

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970

The State Standard Metropolitan Statistical Areas of 250,000 or More

THE STATE

Table with columns for Occupational groups (e.g., Professional, technical, and kindred workers; Clerical and kindred workers; Craftsman and kindred workers) and Manufacturing sub-categories (Furniture, Stone, Primary ferrous, Primary nonferrous, Fabricated metal, Machinery, Electrical). Rows include detailed occupation names and counts.

Data based on sample, see text. For meaning of symbols, see text)

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Total	Manufacturing						
						Durable goods						Electrical machinery, equipment, and supplies
						Furniture, furniture, and wood products	Stone, clay, and glass products	Primary nonferrous industries	Fabricated metal industries, including specified metal	Machinery, except electrical		
THE STATE—Continued												
Total employed—Continued												
Transport equipment operatives	163 101	839	1 953	7 627	43 572	1 164	4 269	3 990	1 078	3 531	3 391	1 881
Deliverymen and routemen	33 516	181	83	357	8 687	128	370	162	39	316	289	127
Truck drivers	75 363	531	1 464	6 162	14 312	2 204	2 204	1 233	408	1 137	1 265	623
Other transport equipment operatives	54 222	127	406	1 088	20 573	414	1 695	2 595	631	2 076	1 837	1 129
Laborers, except farm	184 391	5 378	1 089	24 338	71 130	2 860	6 141	14 443	1 511	6 216	5 752	4 308
Freight, stock, and material handlers	79 475	74	685	572	30 188	1 218	2 862	3 682	365	2 725	2 559	2 822
Other specified laborers	62 044	5 034	212	23 711	12 279	1 053	623	1 467	186	707	797	462
Miscellaneous laborers	15 203	165	110	7	10 058	117	614	4 980	363	1 068	755	182
Not specified laborers	27 669	105	82	48	18 605	472	2 042	4 314	597	1 716	1 641	842
Farm workers	68 943	68 943	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	466 238	455	400	1 836	35 013	472	1 702	3 702	748	2 801	4 226	2 685
Cleaning service workers	99 558	250	258	1 100	22 006	312	1 281	2 343	499	1 840	2 986	1 576
Personal service workers	53 672	21	12	53	673	—	34	16	5	66	68	51
Guards and watchmen	15 837	34	76	239	6 138	125	246	983	171	541	799	558
Other service workers, including private household	317 171	150	54	444	6 196	35	141	350	73	354	443	500
Female employed	1 469 665	10 812	1 750	12 370	318 643	5 471	14 320	8 199	3 637	24 558	33 157	48 693
Professional, technical, and kindred workers	221 099	325	53	350	11 744	93	536	447	194	1 156	1 156	1 144
Accountants	8 667	22	122	14	828	73	22	92	25	197	217	52
Computer specialists	2 372	11	—	—	698	9	20	22	18	27	15	—
Life and physical scientists	1 140	26	6	3	356	—	29	17	13	10	123	—
Registered nurses, dietitians, and therapists	44 648	31	6	3	1 213	38	44	236	143	76	143	123
Social scientists	932	—	5	—	52	—	5	—	—	6	14	10
Writers, artists, and entertainers	10 022	59	16	45	2 952	13	183	—	10	16	85	68
Other professional, technical, and kindred workers	158 318	176	21	161	4 707	30	188	80	84	470	712	712
Managers and administrators, except farm	45 863	144	31	516	3 123	119	358	90	45	411	481	262
Salaried	37 943	84	31	395	2 918	105	139	76	45	405	391	192
Self-employed	7 920	60	121	121	205	14	19	4	—	6	10	10
Sales workers	121 423	148	28	281	3 390	41	51	24	9	107	155	128
Clerical and kindred workers	512 145	1 537	1 302	8 827	107 998	1 907	4 415	4 881	1 577	9 904	16 310	10 349
Bookkeepers	59 296	347	240	3 354	11 147	266	526	364	143	1 110	364	902
Cashiers	40 243	23	9	36	1 560	26	19	24	—	5	52	38
Buyer clerks, except food	9 054	5	—	10	355	49	34	43	14	140	199	130
File clerks	13 431	44	13	105	3 295	10	54	130	654	313	654	338
Office clerks	23 925	40	86	179	8 662	123	247	504	169	799	1 477	892
Bookkeeping and billing machine operators	12 091	—	6	—	539	17	17	10	2	61	98	30
Receptionists	15 091	205	1	291	3 359	1	30	10	32	205	6 094	132
Secretaries	136 800	449	597	3 787	36 506	481	1 989	1 570	63	3 091	6 094	3 494
Stenographers	90 840	90	78	78	6 536	31	66	207	241	180	1 242	1 242
Typists	47 955	75	139	594	12 408	249	396	597	187	1 160	2 038	1 242
Other clerical and kindred workers	161 507	346	184	1 475	30 197	425	1 015	1 322	348	2 369	3 620	2 809
Craftsmen and kindred workers	28 327	127	39	1 452	14 717	391	368	321	166	791	1 256	2 016
Foremen, n.e.c.	5 355	11	21	82	2 997	36	120	104	8	156	238	421
Operatives, except transport	200 443	247	145	178	165 170	2 667	7 925	1 616	1 442	11 626	12 858	33 437
Assemblers	32 410	11	—	17	31 517	477	407	124	228	2 025	4 403	11 809
Checkers, examiners, and inspectors: manufacturing	22 267	—	—	—	209	209	370	370	299	1 451	2 418	5 399
Packers and wrappers except meat and produce	17 919	163	—	4	13 466	150	871	218	132	1 038	2 486	1 070
Other operatives, except transport	127 847	73	145	157	97 920	1 831	4 273	904	803	6 912	5 551	15 229
Transport equipment operatives	8 481	25	7	50	812	6	90	43	15	48	64	31
Laborers, except farm	15 704	611	3	364	6 189	119	550	233	95	743	332	757
Farm workers	7 499	7 499	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	308 681	149	142	352	5 498	68	227	264	74	365	625	629
Cleaning service workers	33 579	89	112	281	5 563	53	145	131	38	375	236	38
Personal service workers	37 173	15	6	5	236	—	—	—	—	16	32	38
Other service workers, including private household	237 929	45	24	66	2 699	15	82	133	31	218	218	355

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
THE STATE—Continued													
Total employed—Continued													
Transport equipment operatives	4 393	319	224	191	2 293	8 401	159	67	1 498	1 348	1 622	2 104	1 449
Deliverymen and routemen	131	39	25	87	233	5 445	11	19	109	712	213	2 104	1 338
Truck drivers	1 244	95	121	87	444	1 915	72	41	568	429	757	648	397
Other transport equipment operatives	3 018	185	78	104	1 596	1 021	76	7	1 021	207	652	1 317	914
Laborers, except farm	6 128	637	528	267	4 631	4 456	359	466	2 164	1 840	2 294	3 967	2 162
Freight, stock, and material handlers	3 391	249	105	129	694	2 734	213	372	1 386	1 386	1 078	1 726	1 080
Other specified laborers	3 791	88	104	22	3 296	552	28	14	1 44	1 44	245	417	1 080
Miscellaneous laborers	539	69	113	31	96	196	13	13	177	48	90	618	74
Not specified laborers	1 407	231	206	85	545	974	105	81	547	242	881	1 206	471
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	3 750	833	280	220	2 835	2 384	161	206	808	1 162	1 812	2 893	1 403
Personal service workers	2 520	483	208	98	938	1 536	98	141	615	838	1 239	1 977	480
Cleaning service workers	46	—	—	—	63	84	5	10	10	26	307	177	135
Guards and watchmen	817	218	44	65	153	240	58	14	107	154	307	434	770
Other service workers, including private household	367	132	24	57	1 681	524	—	—	78	—	228	263	—
Female employed	19 804	6 782	1 702	1 582	25 338	15 420	3 389	13 830	9 273	25 503	12 553	28 090	17 402
Professional, technical, and kindred workers	524	426	17	138	548	433	74	173	220	2 469	1 238	855	478
Accountants	136	62	5	10	56	109	16	9	63	129	133	207	66
Computer specialists	18	49	5	—	19	24	—	5	27	36	162	38	24
Life and physical scientists	—	6	—	3	9	17	—	—	—	—	162	112	13
Registered nurses, dietitians, and therapists	192	41	—	26	15	41	9	5	—	25	177	—	—
Social scientists	10	5	—	—	—	4	—	—	—	—	—	—	—
Writers, artists, and entertainers	10	5	—	9	94	5	—	97	—	—	—	—	—
Other professional, technical, and kindred workers	168	33	7	90	355	233	45	57	87	2 195	744	383	318
Managers and administrators, except farm	87	45	23	15	217	250	32	116	65	382	184	120	151
Salaried	87	45	23	15	201	231	32	116	65	330	161	120	145
Self-employed	—	—	—	—	16	19	—	—	—	52	23	—	6
Sales workers	37	10	3	5	250	480	12	70	43	1 296	180	107	382
Clerical and kindred workers	5 174	3 287	504	647	6 942	4 118	510	1 846	3 149	12 493	6 900	8 281	4 804
Bookkeepers	469	153	88	67	587	931	70	298	394	1 219	725	821	365
Cashiers	41	17	—	—	55	72	—	17	6	63	91	53	47
Counter clerks, except food	64	10	—	—	75	43	4	42	46	598	180	182	117
File clerks	151	93	—	24	200	449	62	181	223	947	384	780	237
Office machine operators	588	295	—	6	255	469	62	181	223	947	384	780	237
Bookkeeping and billing machine operators	37	3	6	—	21	12	—	20	5	47	41	39	23
Receptionists	195	104	14	6	119	108	6	31	5	952	134	126	39
Secretaries	73	67	—	232	1 571	1 081	136	315	1 051	2 543	3 232	3 386	1 072
Stenographers	673	355	36	149	592	979	61	242	444	80	144	89	41
Other clerical and kindred workers	1 236	539	119	128	3 441	2 994	129	583	808	2 043	677	878	317
Craftsman and kindred workers	1 095	297	192	40	890	535	133	688	406	2 880	268	846	828
Foremen, n.e.c.	101	14	10	15	165	139	96	369	112	2 285	146	278	144
Operatives, except transport	12 230	2 528	845	631	15 439	8 576	2 514	10 605	5 083	5 083	3 370	16 439	10 085
Assemblers	4 080	639	374	124	3 304	4 576	27	95	346	208	571	1 449	480
Checkers, examiners, and inspectors, manufacturing	1 611	291	29	254	943	577	157	644	658	458	368	2 392	795
Packers and wrappers, except meat and produce	916	916	—	—	711	4 130	95	238	516	616	871	1 529	389
Other operatives, except transport	6 178	1 199	417	249	10 481	3 519	2 235	9 760	3 528	3 601	1 560	11 269	8 421
Transport equipment operatives	71	7	—	—	16	135	4	5	22	164	14	54	23
Laborers, except farm	232	41	54	35	475	349	102	260	239	448	142	670	313
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	354	141	64	51	581	544	8	47	95	288	237	498	338
Personal service workers	148	55	58	21	162	215	8	28	60	166	88	316	56
Cleaning service workers	4	—	—	—	41	7	—	5	4	16	16	29	25
Other service workers, including private household	202	86	6	30	378	322	—	14	31	106	135	153	257

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Retail trade										Finances and real estate
	Wholesale trade	General merchandise retailing			Automotive dealers and gasoline stations		Eating and drinking places	Other retail trade	Insurance		
		Food stores	General merchandise retailing	Wholesale trade	Automotive dealers and gasoline stations	Food stores					
THE STATE											
Total employed											
Professional, technical, and kindred workers	148 630	124 285	102 083	85 647	127 703	193 508	7 861	57 314	104 283		
Accountants	6 407	2 626	802	791	1 254	7 861	—	2 999	3 998		
Architects	1 323	484	194	194	141	—	—	1 734	1 734		
Computer specialists	24	4	—	—	6	—	—	—	—		
Engineers	2 447	77	37	38	21	—	—	480	479		
Chemical	1 885	57	10	10	21	—	—	207	146		
Civil	24	16	—	—	6	—	—	—	—		
Electrical and electronic	259	16	35	10	5	—	—	31	27		
Industrial	1 081	11	—	—	5	—	—	—	—		
Mechanical	89	13	21	13	10	—	—	133	133		
Other engineers	179	74	9	7	—	—	—	20	25		
Mathematical specialists	1 440	17	21	39	—	—	—	38	64		
Life and physical scientists	13	11	—	5	—	—	—	112	19		
Chemists	182	6	5	38	—	—	—	33	33		
Personnel and labor relations workers	147	6	5	5	—	—	—	16	16		
Social scientists	491	741	169	15	193	—	—	355	297		
Engineering and science technicians	170	38	24	6	15	—	—	87	185		
Printers	1 205	93	21	24	15	—	—	31	34		
Electrical and electronic engineering technicians	430	22	16	15	15	—	—	6	44		
Industrial and mechanical engineering technicians	194	45	—	—	19	—	—	—	—		
Mechanical engineering technicians	427	15	—	—	6	—	—	60	75		
Technical, except health, and engineering and science writers, drafters, and related workers	176	15	—	—	6	—	—	146	287		
Other professional, technical, and kindred workers	80	728	219	69	891	—	—	166	655		
Managers and administrators, except farm	605	372	—	—	30	—	—	316	—		
Buyers, purchasing agents, and sales managers	21 074	13 943	13 920	15 884	15 269	25 971	5 235	5 235	19 003		
Other managers and administrators	6 772	7 433	3 085	1 520	2 855	5 959	1 030	1 030	453		
Salaried	14 302	6 510	10 835	14 364	14 984	20 012	4 205	4 205	18 550		
Self-employed	12 276	5 829	6 561	8 970	9 069	13 592	3 957	3 957	17 485		
Sales workers	2 026	681	4 274	5 394	5 915	6 420	248	248	—		
Clerical and kindred workers	31 559	58 455	18 483	14 145	2 434	69 735	22 123	22 123	17 565		
Bookkeepers	34 176	27 018	26 616	8 736	6 410	34 628	26 142	26 142	50 376		
Cashiers	1 175	3 318	2 020	3 668	3 664	5 835	1 666	1 666	7 403		
Estimators and investigators, n.e.c.	345	7 114	18 804	358	3 684	5 835	219	219	974		
Office machine operators	1 487	1 037	89	496	90	552	1 376	1 376	3 234		
Shipping and receiving clerks	1 634	809	492	151	26	890	30	30	128		
Stock clerks and storekeepers	3 031	1 504	1 852	1 000	28	1 457	30	30	150		
Other clerical and kindred workers	2 110	2 110	2 965	3 648	1 231	17 300	22 041	22 041	37 176		
Craftsmen and kindred workers	14 551	5 921	4 375	19 817	909	19 076	460	460	2 136		
Blacksmiths, farriers, hammermen, and boilermakers	21	5	7	7	4	—	—	—	—		
Brickmasons and stonemasons	28	15	7	7	4	—	—	—	—		
Carpenters	232	249	53	101	31	760	352	352	28		
Cranemen, derrickmen, and hoistsmen	120	—	32	22	19	194	12	12	14		
Electricians	1 487	83	—	5	—	104	—	—	66		
Excavating, grading, and road machine operators	562	—	863	680	127	1 543	174	174	68		
Farmers, n.e.c.	3 285	2 401	535	18 395	146	5 441	39	39	319		
Mechanics and repairmen	4 652	2 401	2 877	17 757	30	5 397	4	4	293		
Automobile, including body	451	529	287	17 757	30	5 397	4	4	15		
Machinists, job setters, and toolmakers	216	5	17	56	—	85	—	—	20		
Metal craftsmen, except mechanics and machinists	69	—	—	—	17	179	—	—	11		
Painters, construction and maintenance, and plasterers and paperhangers	82	75	23	179	19	144	—	—	411		
Plumbers and pipe fitters	97	33	18	31	19	145	—	—	116		
Printing craftsmen	786	109	48	116	10	455	6	6	121		
Stationary engineers and power station operators	335	94	—	40	7	42	—	—	92		
Other craftsmen and kindred workers	3 487	1 452	2 772	297	510	9 931	103	103	226		
Operatives, except transport	3 356	2 508	13 314	21 552	634	7 218	128	128	398		
Assemblers	54	52	—	31	10	316	—	—	18		
Checkers, examiners, and inspectors, manufacturing	87	—	—	—	—	65	—	—	—		
Filters, polishers, sanders, and buffers	6	6	—	—	—	—	—	—	—		
Pressers, manufactured articles	5	11	—	392	—	14	—	—	16		
Welders and flame cutters	42	11	—	31	—	161	—	—	8		
Other specified operatives	509	2 119	12 146	20 317	423	5 187	78	78	206		
Machinists, miscellaneous specified	1 426	104	—	312	146	5 590	14	14	45		
Machine operators, not specified	1 461	21	—	34	—	116	—	—	57		
Metalworking operatives	200	137	590	199	40	340	—	—	34		
Miscellaneous operatives	602	21	137	199	40	340	—	—	57		
Not specified operatives	169	47	233	74	9	353	—	—	14		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
Total employed—Continued													
Transport equipment operatives	6 820	39 072	13 857	234	5 885	15 890	2 332	3 095	1 584	780	8 271	34	395
Deliverymen and routemen	44	3 048	96	116	94	6 000	2 013	1 823	701	633	4 511	9	50
Truck drivers	283	35 372	295	78	2 082	6 102	1 988	944	640	114	2 773	20	132
Other transport equipment operatives	6 493	6 552	13 466	40	3 709	1 788	121	328	243	33	967	5	213
Laborers, except farm	2 880	6 450	1 215	295	6 639	10 231	4 181	18 723	2 264	552	7 974	31	2 084
Freight, stock, and material handlers	407	5 849	78	78	2 983	6 968	3 942	18 106	1 179	4 132	4 132	14	55
Other specified laborers	207	187	249	154	2 071	1 108	108	238	1 083	41	2 582	9	1 422
Miscellaneous laborers	1 770	53	66	19	959	632	9	46	14	5	302	5	326
Not specified laborers	496	361	189	44	626	1 523	122	311	316	327	958	3	281
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	837	586	1 208	713	2 101	2 424	7 301	2 755	874	99 461	12 374	562	8 328
Cleaning service workers	233	439	306	26	1 318	1 453	1 594	865	734	2 735	1 637	435	6 046
Personal service workers	45	37	306	26	10	72	866	44	6	59	265	14	513
Guards and watchmen	128	69	99	34	188	242	445	101	48	50	119	39	594
Other service workers, including private household	431	41	509	69	585	657	4 396	1 745	86	95 718	10 353	74	1 175
Female employed	2 139	6 651	9 334	23 456	9 103	35 282	89 136	46 090	9 439	84 151	92 196	25 830	56 462
Professional, technical, and kindred workers	94	73	198	1 539	540	889	1 626	200	180	491	1 522	729	1 168
Accountants	54	49	71	83	111	365	326	61	67	60	525	340	555
Computer specialists	—	6	—	243	40	105	20	10	15	—	18	102	138
Life and physical scientists	—	—	4	—	5	18	—	—	—	—	26	27	33
Registered nurses, dietitians, and therapists	10	5	—	10	12	26	48	29	—	25	10	14	10
Social scientists	—	—	—	—	38	12	—	—	—	—	31	14	130
Writers, artists, and entertainers	—	—	—	362	49	131	504	9	4	331	310	43	43
Other professional, technical, and kindred workers	30	13	88	815	285	232	700	91	22	75	890	203	295
Managers and administrators, except farm	73	227	453	533	149	1 204	5 613	2 479	620	4 638	6 005	786	3 078
Self-employed	73	210	421	553	139	1 028	5 846	1 234	474	2 755	4 286	737	2 782
	—	17	32	—	10	178	247	1 245	146	1 883	1 719	49	296
Sales workers	11	59	101	176	127	1 963	48 284	12 961	548	1 318	39 370	2 193	5 900
Clerical and kindred workers	1 613	5 216	3 748	20 119	6 952	24 472	23 867	21 695	6 085	5 369	29 006	21 677	42 260
Bookkeepers	105	932	714	744	325	5 070	3 134	1 782	3 083	1 045	7 559	1 599	6 554
Cashiers	15	123	136	136	325	226	6 941	17 796	320	3 215	5 372	206	893
Counter clerks, except food	14	24	21	361	118	57	845	82	24	29	441	8	15
File clerks	57	148	80	871	18	337	183	375	102	62	418	1 047	981
Office machine operators	130	241	119	606	313	1 367	756	372	302	122	122	32	2 685
Bookkeeping and billing machine operators	5	53	32	32	35	37	113	17	113	17	465	305	557
Receptionists	6	57	85	129	167	432	1 569	668	1 446	508	4 127	7 731	8 579
Secretaries	311	1 384	747	1 244	1 254	7 612	1 569	21	13	49	39	263	1 174
Stenographers	175	30	38	1 091	190	2 508	927	472	472	1 191	1 191	3 659	2 933
Typists	180	665	94	1 091	686	5 938	8 636	1 398	1 154	383	9 372	5 466	18 889
Other clerical and kindred workers	620	1 592	1 971	13 378	3 165	804	1 244	868	318	376	3 228	102	132
Craftsmen and kindred workers	94	99	54	553	266	804	1 244	868	318	376	3 228	102	132
Foremen, n.e.c.	9	42	9	164	48	259	628	56	17	42	286	66	63
Operatives, except transport	35	175	37	74	135	3 776	1 997	4 054	623	340	3 249	56	143
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	26	34	21	50	106	2 051	1 299	3 283	596	144	2 839	50	125
Transport equipment operatives	63	577	4 462	12	472	337	318	56	68	111	245	—	4
Laborers, except farm	70	91	40	27	93	1 081	892	2 270	68	113	1 103	8	167
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	86	134	241	403	369	756	5 275	1 507	159	71 395	8 468	279	3 610
Cleaning service workers	36	119	36	321	132	307	417	96	114	735	750	201	2 670
Personal service workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	50	15	107	56	233	408	4 141	1 390	39	70 123	7 397	64	693

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

THE STATE

Total employed.....

Occupation	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
Professional, technical, and kindred workers.....	55 824	50 196	22 219	129 146	27 859	140 846	74 690	211 044	82 278	59 043	88 197	171 399
Accountants.....	11 394	1 214	568	2 893	5 317	51 393	27 479	131 361	46 080	23 476	45 861	29 143
Architects.....	1 144	112	240	66	92	340	95	116	5	4 586	6 751	4 977
Computer specialists.....	16	—	—	—	—	46	—	—	—	9	1 528	97
Engineers.....	829	28	—	16	5	408	16	408	288	14	519	1 958
Chemical.....	1 300	125	22	40	49	383	235	383	202	243	4 959	6 022
Civil.....	74	5	—	—	—	—	—	—	12	8	169	87
Electrical and electronic.....	38	6	6	—	6	11	63	33	26	23	1 475	908
Electrical.....	146	14	4	—	16	132	18	18	51	10	308	1 308
Mechanical.....	403	15	6	18	6	43	21	27	6	31	242	878
Mechanical.....	121	5	6	16	10	27	12	27	10	10	655	1 791
Other engineers.....	518	80	6	6	21	109	132	164	80	161	1 787	2 186
Mathematical specialists.....	40	—	—	4	—	4	—	30	9	44	102	296
Life and physical scientists.....	584	20	—	—	11	456	166	348	206	11	728	976
Chemists.....	431	15	—	—	11	169	73	131	98	—	399	367
Personnel and labor relations workers.....	1 976	66	29	96	66	441	65	296	130	255	1 099	1 983
Social scientists.....	416	10	—	—	—	141	—	527	152	86	266	510
Engineering and science technicians.....	1 867	131	5	29	53	235	105	753	593	131	4 193	2 695
Draftsmen.....	548	14	—	19	—	11	—	64	46	56	2 723	2 579
Electrical and electronic engineering technicians.....	212	76	—	—	21	5	—	52	52	—	1 081	1 081
Mechanical and electrical engineering technicians.....	15	7	—	5	—	—	—	14	14	—	17	108
Technical writers, except health, and engineering and science.....	93	42	118	195	3 300	171	34	101	81	26	152	2 334
Writers, artists, and photographers.....	2 176	43	154	644	1 741	49 083	26 487	789	521	3 323	2 869	1 038
Other professional, technical, and kindred workers.....	953	687	—	767	—	—	—	3 400	43 777	20 013	23 685	6 648
Managers and administrators, except farm.....	5 622	3 858	2 496	6 378	3 396	2 794	2 064	10 165	4 439	5 346	2 588	17 034
Buyers, purchasing agents, and sales managers.....	445	161	—	140	308	235	—	176	154	86	117	1 119
Other managers and administrators.....	5 177	3 697	2 496	6 238	3 248	2 557	2 047	9 989	4 285	5 260	2 471	15 915
Salaries.....	4 400	2 362	1 585	3 940	2 411	2 344	1 658	9 989	4 066	5 246	2 228	15 915
Self-employed.....	777	1 335	864	2 278	837	15	389	—	217	14	243	9 151
Sales workers.....	3 454	1 016	113	1 679	845	231	162	277	370	646	662	395
Clerical and kindred workers.....	17 849	5 363	3 566	9 520	3 753	20 971	13 561	30 753	14 545	15 677	23 276	70 198
Bookkeepers.....	1 31	1	465	957	646	1 093	1 170	1 022	657	282	2 383	2 919
Cashiers.....	83	330	318	563	1 092	1 178	34	403	403	135	91	362
Estimators and investigators, n.e.c.....	948	196	4	49	20	68	18	34	16	119	247	1 529
Office machine operators.....	1 692	70	36	126	16	837	92	837	417	265	960	2 525
Shorthand typewriters.....	154	79	—	94	32	111	45	79	28	250	59	2 525
Stock clerks and order clerks.....	173	109	28	109	27	33	31	274	133	69	861	1 861
Other clerical and kindred workers.....	13 238	3 430	2 715	7 622	1 924	17 832	12 171	27 329	12 891	13 779	19 472	60 752
Craftsmen and kindred workers.....	3 624	26 198	576	3 092	1 879	2 996	1 747	3 488	1 273	1 060	1 540	9 997
Blacksmiths, forgers, hammermen, and boilermakers.....	—	4	11	10	5	17	11	21	8	22	—	26
Brickmasons and stonemasons.....	68	42	74	111	83	16	16	18	16	44	69	397
Carpenters.....	46	4	—	—	—	379	22	254	109	93	—	—
Cranemen, derrickmen, and hoistmen.....	81	179	37	24	42	377	15	277	125	151	50	474
Electricians.....	8	27	13	—	20	14	96	331	128	4	27	334
Excavating, grading, and road machine operators.....	537	491	67	592	130	365	82	337	337	151	272	1 486
Mechanics and repairmen.....	1 295	20 999	135	389	771	434	82	337	142	142	257	4 196
Automobile, including body.....	60	13 302	10	59	20	339	14	306	106	27	18	1 080
Machinists, job setters, and toolmakers.....	73	13 196	—	29	17	17	15	29	19	—	92	226
Metal craftsmen, except mechanics and machinists.....	60	55	—	6	—	18	—	6	10	20	30	238
Painters, construction and maintenance, and plasterers and paperhangers.....	134	209	73	158	55	312	21	389	97	78	18	364
Plumbers and pipe fitters.....	226	24	17	11	8	218	20	254	38	119	10	332
Printing craftsmen.....	227	8	3	156	7	98	12	154	84	34	31	195
Stationary engineers and power station operators.....	9	5	68	35	4	365	15	325	90	36	42	373
Other craftsmen and kindred workers.....	958	3 706	78	1 715	737	376	1 433	572	215	202	688	898
Operators, except transport.....	2 737	4 949	492	15 492	333	4 047	887	1 322	689	841	1 388	2 535
Assemblers.....	105	108	—	76	16	4	10	11	38	57	139	99
Checkers, examiners, and inspectors, manufacturing.....	11	121	10	5	5	—	—	—	—	—	4	—
Fillers, polishers, sanders and buffers.....	4	605	—	18	—	5	6	4	4	—	5	10
Painters, manufactured articles.....	10	328	—	49	—	—	—	14	—	—	32	38
Precision machine operatives.....	50	49	3	15	5	38	—	51	21	—	56	172
Welders and flamecutters.....	1 451	1 570	489	15 013	179	3 778	736	877	356	324	881	1 484
Other specified operatives.....	289	315	5	109	36	105	20	77	41	57	101	189
Machine operatives, miscellaneous specified.....	153	312	5	9	16	44	16	48	193	25	33	127
Machine operatives, not specified.....	672	404	26	78	23	44	16	48	193	128	225	344
Miscellaneous operatives.....	42	101	9	114	23	24	45	35	—	19	57	72
Not specified operatives.....	—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

THE STATE—Continued	Total employed—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational government	Educational private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Transport equipment operatives	649	2 046	114	2 824	178	352	237	680	212	342	380	2 647
Deliverymen and routemen	314	123	5	1 896	36	123	112	73	31	19	38	1 977
Truck drivers	413	559	18	2 85	285	97	42	303	60	229	60	1 759
Other transport equipment operatives	122	1 261	91	643	106	132	83	304	121	94	282	1 691
Laborers, except farm	1 141	3 591	272	2 837	2 269	934	261	781	575	648	630	4 998
Freight, stock, and material handlers	292	1 40	11	1 484	1 102	406	27	1 41	87	180	45	2 166
Other specified laborers	231	2 908	130	1 485	1 900	406	113	508	347	230	437	2 034
Miscellaneous laborers	33	283	11	47	27	13	5	14	14	33	17	2 156
Not specified laborers	585	260	120	621	240	109	116	116	127	205	131	642
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	9 154	1 961	14 022	84 431	9 979	57 128	28 292	32 217	14 095	11 007	11 872	34 452
Cleaning service workers	5 690	478	5 688	1 437	1 960	8 366	2 965	14 772	5 656	5 451	7 177	5 898
Personal service workers	168	193	2 911	33 864	3 027	1 066	613	2 005	2 005	2 224	224	623
Guards and watchmen	2 717	56	43	53	136	611	55	322	182	135	138	2 746
Other service workers, including private household	579	1 234	5 380	48 877	4 856	47 085	24 661	14 455	6 232	3 131	10 793	27 185
Female employed	25 055	7 452	14 829	97 794	11 058	112 997	54 272	133 808	52 705	31 777	43 794	51 280
Professional, technical, and kindred workers	3 084	314	250	1 386	1 854	41 692	12 273	82 952	28 916	8 773	12 165	5 770
Accountants	561	99	89	31	34	101	70	145	48	96	1 027	1 727
Computer specialists	128	10	—	5	—	28	3	128	84	—	153	431
Life and physical scientists	96	5	31	453	5	283	51	77	62	—	38	266
Registered nurses, dietitians, and therapists	137	5	—	18	14	31 090	8 796	1 357	484	351	134	94
Social scientists	57	20	69	136	—	186	62	171	53	31	69	24
Writers, artists, and entertainers	572	20	69	563	737	9 884	3 227	80 746	235	1 482	718	2 945
Other professional, technical, and kindred workers	1 332	226	61	316	1 004	—	—	—	27 930	6 833	9 743	2 932
Managers and administrators, except farm	1 066	258	1 100	1 491	705	1 220	1 048	2 355	1 753	1 432	574	3 149
Salaried	910	184	715	1 032	499	1 220	817	2 355	1 439	1 432	505	3 149
Self-employed	156	74	383	459	206	—	251	—	114	—	69	—
Sales workers	1 072	297	79	1 189	541	177	88	154	133	354	308	173
Clerical and kindred workers	14 992	4 192	2 592	8 735	2 855	19 630	13 257	27 715	12 466	14 313	21 183	37 662
Bookkeepers	332	925	327	66	990	795	1 131	365	367	1 120	1 979	2 707
Cashiers	72	180	287	544	733	775	34	1 261	103	122	23	23
Counter clerks, except food	114	149	898	3 352	1 78	1 79	103	1 261	103	134	27	319
File clerks	676	53	22	79	179	625	179	583	428	298	257	1 343
Office machine operators	1 368	45	20	121	13	435	76	1 918	205	1 918	745	1 918
Bookkeeping and billing machine operators	101	5	14	31	18	101	19	28	18	27	58	86
Receptionists	500	60	83	832	74	2 215	4 235	588	290	761	490	2 253
Secretaries	470	959	328	739	636	6 309	5 446	4 868	787	7 695	9 591	7 899
Stenographers	184	17	93	9	9	142	69	1 977	43	183	190	2 353
Typists	2 270	214	93	1 550	1 550	2 125	857	2 895	1 158	2 054	1 310	6 302
Other clerical and kindred workers	4 406	1 590	504	1 837	499	5 746	1 230	10 128	3 863	1 843	6 559	17 118
Craftsmen and kindred workers	302	599	58	633	60	402	458	462	223	130	156	351
Foremen, n.e.c.	76	6	20	192	24	115	45	54	36	40	33	94
Operatives, except transport	1 187	604	390	12 214	123	2 777	630	369	277	528	594	316
Assemblers	56	31	—	54	5	4	10	5	9	36	99	30
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	350	6	390	198	6	42	15	13	5	24	44	39
Other operatives, except transport	781	567	—	11 962	112	2 731	605	351	263	468	451	247
Transport equipment operatives	111	90	7	165	38	45	68	151	62	32	42	51
Laborers, except farm	207	294	41	864	106	340	60	55	76	86	96	289
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	3 034	804	10 322	71 117	4 776	46 714	26 370	19 595	8 799	6 129	8 679	3 519
Cleaning service workers	2 617	128	4 509	881	4 905	3 917	2 071	3 917	1 863	2 111	252	8 871
Personal service workers	127	127	2 255	23 640	907	793	542	2 387	1 724	1 838	187	352
Other service workers, including private household	290	549	3 558	46 596	3 394	41 016	23 757	13 291	5 212	2 180	8 240	2 296

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

Occupation	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
Total employed	260 063	2 446	422	12 061	102 157	960	2 442	3 441	745	13 126	12 018	3 018
Professional, technical, and kindred workers	39 305	142	47	514	12 645	35	134	199	42	1 238	1 167	311
Accountants	2 246	5	5	47	1 085	8	10	20	10	127	82	18
Architects	85	—	—	6	20	—	—	—	—	—	—	—
Computer specialists	856	17	—	14	359	—	—	3	—	90	26	14
Engineers	6 073	12	26	325	4 237	14	49	58	13	416	597	97
Chemical	613	—	—	—	237	—	—	6	—	9	—	—
Civil	517	6	—	—	119	—	—	—	—	—	—	—
Electrical and electronic	762	—	—	227	490	—	—	—	—	—	—	—
Industrial	1 034	6	11	21	883	—	—	12	—	16	39	—
Mechanical	1 105	—	5	26	951	—	19	14	4	102	117	14
Other engineers	2 042	—	10	14	1 749	—	10	20	4	133	224	24
Mathematical specialists	36	—	—	—	21	—	—	—	—	—	—	—
Life and physical scientists	1 035	—	—	—	725	3	5	11	—	5	—	—
Chemists	901	—	—	—	725	—	—	—	—	—	—	—
Personnel and labor relations workers	1 220	3	5	—	230	5	5	11	—	14	5	—
Social scientists	362	—	—	6	111	—	—	38	—	34	—	—
Engineering and science technicians	3 635	5	11	72	2 653	5	50	47	4	378	233	102
Draftsmen	1 387	—	—	34	965	—	—	27	—	281	171	52
Electrical and electronic engineering technicians	342	—	—	4	184	—	—	4	—	12	32	47
Industrial and mechanical engineering technicians	1 668	—	—	—	146	—	14	4	—	26	6	—
Technicians, except health, and engineering and science writers, artists, and entertainers	302	—	—	15	108	—	—	—	—	8	19	—
Other professional, technical, and kindred workers	2 270	41	—	22	838	—	4	6	—	25	109	40
Managers and administrators, except farm	21 175	44	—	3	1 178	—	16	22	5	56	55	15
Buyers, purchasing agents, and sales managers	19 807	69	31	1 244	5 697	65	156	96	53	644	778	142
Other managers and administrators	3 423	5	—	54	1 252	4	49	5	22	208	208	23
Self-employed	16 884	64	31	1 990	4 445	4	107	91	31	498	570	119
Salaries	1 172	—	—	886	4 307	61	92	91	31	468	547	114
Self-employed	2 372	23	10	354	1 388	—	15	—	—	30	23	5
Sales workers	18 794	20	6	100	2 356	49	36	42	11	121	203	56
Clerical and kindred workers	45 020	216	46	843	14 232	80	244	221	99	1 767	1 365	487
Bookkeepers	4 341	24	3	161	1 116	9	19	12	—	174	154	16
Cashiers	2 904	—	—	—	45	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	923	—	—	—	263	—	—	—	—	—	—	—
Office machine operators	2 164	17	12	111	1 177	—	—	5	—	56	29	19
Shipping and receiving clerks	1 515	12	—	—	1 047	6	42	20	11	163	110	45
Stock clerks and storekeepers	1 661	12	—	—	906	—	—	26	—	142	113	47
Other clerical and kindred workers	31 512	163	31	535	9 678	54	167	158	88	1 071	880	306
Craftsmen and kindred workers	37 666	102	103	6 804	19 414	282	331	1 145	167	2 937	3 247	506
Blacksmiths, farriers, hammermen, and boilermakers	420	—	5	31	37	—	—	—	—	—	—	—
Brickmasons and stonemasons	431	—	—	—	371	—	—	—	—	—	—	—
Carpenters	1 969	—	—	458	280	76	5	13	—	29	16	7
Cranemen, derrickmen, and hoistmen	662	4	17	115	479	—	—	26	—	21	10	—
Electricians	1 804	4	17	630	908	—	23	89	—	117	147	36
Excavating, grading, and road machine operators	749	6	15	544	113	—	—	71	—	—	—	—
Foremen, n.e.c.	6 971	31	46	508	4 947	28	106	237	47	617	556	112
Mechanics and repairmen	8 310	31	49	423	2 984	27	87	71	38	341	284	92
Automobile, including body	3 363	11	6	32	303	6	9	6	5	70	110	129
Machinists, job setters, and toolmakers	3 956	11	6	14	3 864	9	60	139	26	773	1 570	129
Metal craftsmen, except mechanics and machinists	1 998	—	—	301	1 660	4	11	430	35	271	462	13
Plumbers, construction and maintenance, and plasterers and paperhangers	815	9	5	470	85	—	—	—	—	13	8	—
Plumbers and pipe fitters	1 032	9	—	585	780	—	—	14	—	81	44	5
Printing press operators	1 053	—	—	8	918	—	—	—	—	—	—	—
Stationary engineers and power station operators	628	—	—	6	348	—	—	—	—	—	—	—
Other craftsmen and kindred workers	6 398	12	6	1 342	1 675	106	14	36	17	41	69	6
Operatives, except transport	45 026	41	107	6 646	38 081	372	981	1 379	282	5 283	4 587	1 354
Assemblers	2 846	—	—	11	2 737	41	54	77	84	373	620	217
Checkers, examiners, and inspectors; manufacturing	3 354	—	—	—	3 354	—	84	110	35	413	280	217
Fillers, polishers, sanders, and buffers	612	—	—	—	561	17	17	40	15	127	144	15
Painters, manufactured articles	3 749	—	—	—	541	6	23	11	—	84	69	21
Precision machine operatives	2 928	—	—	10	3 712	19	25	198	11	821	1 716	175
Welders and flamecutters	13 932	5	—	156	2 612	13	27	188	24	278	395	28
Other specified operatives	10 705	36	107	389	6 528	126	224	332	67	1 492	974	238
Machine operatives, miscellaneous specified	1 860	—	—	4	1 365	69	24	247	31	453	301	138
Machine operatives, not specified	2 585	—	—	—	1 803	14	24	27	91	253	367	48
Miscellaneous operatives	1 878	—	—	49	2 166	29	138	124	20	146	427	100
Not specified operatives	—	—	—	—	1 701	8	25	37	6	123	100	39

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing						Total	Electrical machinery, equipment, and supplies
					Durable goods							
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical		
AKRON SMSA—Continued												
Total employed—Continued												
Deliverymen and routemen	10 612	61	49	471	11	166	115	27	343	198	30	
Truck drivers	2 290	9	6	46	6	17	6	5	9	15	15	
Other transport equipment operatives	5 344	12	28	370	5	77	29	14	84	89	8	
	2 978	40	15	55	—	72	86	8	250	94	7	
Laborers, except farm	10 998	373	33	1 329	81	284	172	43	514	196	45	
Freight, stock, and material handlers	5 180	4	27	28	35	127	63	15	264	103	35	
Other specified laborers	3 749	359	6	1 295	13	38	74	4	50	34	—	
Miscellaneous laborers	10	—	—	—	—	21	66	7	123	28	—	
Not specified laborers	1 276	—	—	6	33	98	39	15	77	31	10	
Farm workers	1 386	1 386	—	—	—	—	—	—	—	—	—	
Service workers, including private household	31 449	36	—	110	5	110	72	21	279	297	87	
Cleaning service workers	7 374	5	—	78	5	100	62	15	190	235	50	
Personal service workers	3 433	6	—	—	—	—	—	—	—	—	—	
Guards and watchmen	802	5	—	16	—	5	10	—	50	35	22	
Other service workers, including private household	19 840	20	—	16	—	5	—	6	39	27	15	
Female employed	91 294	726	17	708	230	408	157	170	1 681	1 492	1 103	
Professional, technical, and kindred workers	14 255	30	—	39	3	5	7	5	31	47	40	
Accountants	432	—	—	21	—	—	—	—	—	—	4	
Computer specialists	139	6	—	—	—	—	—	—	4	—	—	
Life and physical scientists	91	3	—	—	—	—	—	—	—	—	—	
Registered nurses, dietitians, and therapists	2 762	5	—	3	—	—	4	5	5	5	—	
Social scientists	45	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	606	10	—	5	—	—	—	—	6	—	9	
Other professional, technical, and kindred workers	10 180	6	—	10	3	5	3	—	16	20	27	
Managers and administrators, except farm	2 798	14	—	21	10	6	—	—	14	15	24	
Salaried	2 403	11	—	21	10	6	—	—	8	19	8	
Self-employed	395	3	—	—	—	—	—	—	6	—	5	
Sales workers	8 557	5	—	19	11	—	—	—	12	—	11	
Clerical and kindred workers	33 706	191	14	542	47	145	81	88	1 073	852	333	
Bookkeepers	3 535	24	3	119	4	13	6	—	132	114	16	
Cashiers	2 605	—	—	—	—	—	—	—	—	—	—	
Counter clerks, except food	557	—	—	—	—	—	—	—	—	—	—	
File clerks	871	—	—	—	—	—	—	—	—	—	—	
Office machine operators	1 529	17	—	14	5	11	5	4	45	21	5	
Bookkeeping and billing machine operators	141	—	—	—	—	—	—	—	117	45	40	
Receptionists	128	—	—	—	—	—	—	—	—	—	—	
Secretaries	10 323	59	5	18	21	51	11	7	20	8	9	
stenographers	3 281	—	—	262	—	—	—	—	441	430	137	
Typists	3 377	—	—	36	—	—	—	—	20	14	5	
Other clerical and kindred workers	9 340	18	6	75	11	42	8	—	96	74	38	
Craftsmen and kindred workers	1 504	13	—	58	33	15	33	5	58	98	25	
Foremen, n.e.c.	293	—	—	—	5	—	11	—	14	21	5	
Operatives, except transport	9 191	21	3	11	132	214	28	56	424	427	661	
Assemblers	830	—	—	—	4	23	15	10	59	49	250	
Checkers, examiners, and inspectors; manufacturing	91	—	—	—	—	23	6	8	78	32	101	
Packers and wrappers, except meat and produce	903	21	—	—	19	29	15	6	26	5	32	
Other operatives, except transport	6 558	—	3	11	109	139	13	32	261	341	278	
Transport equipment operatives	503	—	—	—	—	—	—	—	5	—	—	
Laborers, except farm	698	32	—	—	—	4	3	4	39	9	—	
Farm workers	415	415	—	—	—	—	—	—	—	—	—	
Service workers, including private household	19 667	5	—	18	—	19	5	12	25	44	9	
Cleaning service workers	2 499	5	—	14	—	14	5	6	21	39	—	
Personal service workers	2 323	—	—	—	—	—	—	—	—	—	—	
Other service workers, including private household	14 845	—	—	4	—	5	—	6	4	5	9	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Manufacturing—Continued												
	Durable goods—Continued						Nondurable goods						
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
AKRON SMSA													
Total employed	2 957	5 029	176	896	3 679	2 550	204	340	999	2 856	3 587	39 774	3 360
Professional, technical, and kindred workers	127	1 628	5	80	248	56	16	20	49	348	657	5 848	437
Accountants	35	32	—	5	16	10	—	—	11	33	34	604	30
Architects	—	—	—	—	—	—	—	—	—	—	—	15	—
Computer specialists	—	43	—	—	—	4	—	—	—	11	15	326	—
Engineers	45	968	5	42	58	15	7	—	127	183	120	2 127	63
Chemical	—	18	—	—	5	—	—	—	—	—	12	396	—
Civil	—	15	—	13	—	—	—	—	—	—	9	54	—
Electrical and electronic	4	268	—	—	6	—	—	—	—	—	17	88	—
Industrial	7	126	5	16	—	—	—	—	—	—	9	437	5
Mechanical	12	106	3	11	—	—	—	—	—	—	9	394	10
Other engineers	22	435	—	10	36	15	7	—	—	—	16	758	48
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	30	—	7	6	8	4	—	15	—	—	13	—
Chemists	—	30	—	7	6	8	4	—	15	—	—	521	18
Personnel and labor relations workers	15	33	—	—	6	5	—	—	6	11	31	480	18
Social scientists	4	4	—	—	—	—	—	—	—	—	—	233	24
Engineering and science technicians	12	332	—	5	34	9	5	5	17	—	6	50	—
Draftsmen	8	96	—	—	11	—	—	—	—	—	—	210	10
Electrical and electronic engineering technicians	—	89	—	—	—	—	—	—	—	—	—	295	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	32	—
Mechanics, except health, and engineering and science technicians	—	52	—	—	—	4	—	—	—	—	8	70	7
Writers, artists, and entertainers	—	84	—	5	8	—	—	—	—	—	—	239	—
Other professional, technical, and kindred workers	16	102	—	11	120	5	—	10	—	283	14	440	248
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	89	317	11	35	269	207	9	13	82	201	249	2 040	241
Other managers and administrators	15	33	—	16	39	139	—	—	28	57	64	463	20
Self-employed	74	284	11	18	210	168	9	13	54	144	185	1 377	221
Salaries	—	—	—	—	206	169	5	7	54	131	183	1 364	203
Sales workers	35	30	8	5	119	172	33	36	65	549	258	346	182
Clerical and kindred workers	209	613	10	65	438	238	26	14	164	519	461	6 824	388
Bookkeepers	5	22	—	13	25	38	4	5	35	84	35	84	24
Cashiers	—	—	—	—	—	5	—	—	—	—	—	40	—
Estimators and investigators, n.e.c.	—	5	—	—	—	—	—	—	—	—	—	5	—
Office machine operators	6	65	—	6	44	20	11	—	5	10	5	139	—
Shipping and receiving clerks	26	28	5	7	25	28	—	—	5	14	23	681	7
Stock clerks and storekeepers	39	56	—	16	16	15	—	—	27	13	42	438	17
Other clerical and kindred workers	133	437	5	39	328	138	11	9	6	398	38	369	10
Craftsmen and kindred workers	794	882	26	204	657	376	26	31	139	875	817	5 632	360
Blacksmiths, forgers, hammermen, and boilermakers	—	—	—	7	—	—	—	—	—	—	—	25	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	7	—
Carpenters	10	15	11	5	—	—	—	—	2	—	16	78	—
Croakers, derrickmen, and hoistmen	20	13	—	20	—	—	—	—	—	5	6	28	—
Electricians	31	49	—	4	26	5	—	—	—	10	62	310	17
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	82	—
Foremen, n.e.c.	180	230	5	42	93	87	9	16	62	87	230	2 118	85
Mechanics and repairmen	228	154	—	32	35	100	12	10	42	32	205	1 164	30
Automobile, including body	112	5	—	6	—	21	—	—	4	6	5	42	—
Machinists, job setters, and toolmakers	169	262	5	21	21	11	—	—	—	5	46	609	9
Metal craftsmen, except mechanics and machinists	31	90	5	4	65	6	—	—	—	—	15	210	8
Painters, construction and maintenance, and plasterers and paperhangers	14	—	—	12	5	5	—	—	—	—	12	23	—
Plumbers and pipe fitters	48	41	—	—	—	—	—	—	—	—	90	438	—
Printing craftsmen	—	—	—	—	—	—	—	—	—	713	—	147	—
Stationary engineers and power station operators	23	5	—	16	—	5	—	—	—	—	39	190	5
Other craftsmen and kindred workers	40	19	—	41	395	157	5	5	—	23	203	206	—
Operatives, except transport	1 394	1 303	83	308	1 573	659	88	220	439	197	887	15 391	1 361
Assemblers	204	238	21	79	198	12	3	—	9	9	34	375	49
Checkers, examiners, and inspectors; manufacturing	152	172	—	82	20	44	—	—	43	22	41	1 514	117
Fiers, polishers, sanders, and buffers	66	33	4	17	25	4	—	—	—	—	18	182	—
Painters, manufacturing articles	32	15	—	—	—	—	—	—	—	—	33	166	—
Precision machine operators	196	51	38	16	132	—	—	—	—	—	29	124	8
Leaders and trimmers	—	—	—	—	—	—	—	—	—	—	—	200	—
Other specified operatives	370	184	5	56	1 069	356	85	192	153	73	268	2 220	863
Machine operatives, miscellaneous specified	112	193	6	30	114	28	—	4	126	51	269	7 627	146
Machine operatives, not specified	113	86	—	5	16	28	—	4	44	33	80	1 962	15
Miscellaneous operatives	36	36	—	8	54	44	—	10	35	9	69	1 975	53
Not specified operatives	8	70	4	15	77	47	—	10	29	—	46	—	82

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

		Manufacturing—Continued												
		Durable goods—Continued					Nondurable goods							
		Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
AKRON SMSA—Continued														
Total employed—Continued														
Transport equipment operatives.....		89	53	3	61	82	553	6	—	86	65	834	65	
Deliverymen and routemen.....		—	—	—	—	5	405	—	—	43	4	72	5	
Truck drivers.....		3	12	3	35	32	115	—	—	33	19	324	21	
Other transport equipment operatives.....		86	41	—	26	45	33	6	—	10	42	438	39	
Laborers, except farm.....		139	80	15	91	206	150	—	6	55	154	1 370	182	
Freight, stock, and material handlers.....		102	42	3	42	16	90	—	—	23	47	598	25	
Other specified laborers.....		15	9	7	15	159	16	—	—	6	33	189	139	
Miscellaneous laborers.....		16	6	—	22	11	13	—	—	—	—	247	—	
Not specified laborers.....		16	23	5	12	20	31	—	6	26	54	335	18	
Farm workers.....		—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household.....		81	123	15	47	87	139	—	—	26	79	1 489	144	
Personnel workers.....		48	68	15	33	35	102	—	—	5	71	1 061	46	
Guards and watchmen.....		23	34	—	4	—	3	—	—	—	—	106	—	
Other service workers, including private household.....		10	21	—	10	52	10	—	—	—	8	181	15	
Female employed.....		278	532	26	173	950	575	68	249	828	564	8 441	782	
Professionals, technical, and kindred workers.....		15	54	—	16	26	5	5	15	100	76	404	52	
Accountants.....		5	14	—	5	—	—	—	—	4	10	82	11	
Computer specialists.....		—	—	—	—	—	—	—	—	—	—	42	—	
Life and physical scientists.....		—	—	—	—	—	—	—	—	—	16	23	4	
Registered nurses, dietitians, and therapists.....		5	5	—	11	—	—	—	—	—	—	47	6	
Social scientists.....		—	—	—	—	—	—	—	—	—	—	—	—	
Social scientists.....		—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers.....		12	17	—	—	8	—	—	10	96	5	27	—	
Other professional, technical, and kindred workers.....		5	17	—	—	18	5	5	5	—	45	183	31	
Managers and administrators, except farm.....		—	9	3	—	16	21	—	7	12	5	55	7	
Salaried.....		—	9	3	—	16	21	—	7	12	5	55	7	
Self-employed.....		—	—	—	—	—	—	—	—	—	—	—	—	
Sales workers.....		—	5	3	—	11	42	6	4	45	9	34	36	
Clerical and kindred workers.....		95	334	10	39	299	163	20	14	387	305	4 269	264	
Bookkeepers.....		5	16	—	—	25	27	4	5	84	27	313	5	
Cashiers.....		—	—	—	—	—	5	—	—	—	—	35	—	
Counter clerks, except food.....		—	—	—	—	6	6	—	5	4	20	47	—	
File clerks.....		—	5	—	—	—	10	—	—	11	5	112	11	
Office machine operators.....		6	33	—	—	27	20	5	—	9	11	399	7	
Bookkeeping and billing machine operators.....		—	—	—	—	—	—	—	—	—	—	21	—	
Receptionists.....		—	—	—	—	5	20	—	—	28	5	27	7	
Secretaries.....		47	120	5	4	65	42	11	4	90	183	1 895	80	
Stenographers.....		20	35	—	—	5	—	—	—	—	4	54	—	
Typists.....		17	78	—	21	37	24	—	—	67	5	482	23	
Other clerical and kindred workers.....		—	47	5	14	129	9	—	—	94	45	905	131	
Foremen, n.e.c.....		12	9	—	5	28	16	—	15	133	14	186	20	
Operatives, except transport.....		137	91	4	97	536	275	37	194	146	138	3 068	348	
Assemblers.....		37	25	4	23	80	9	—	—	17	25	185	6	
Checkers, examiners, and inspectors; manufacturing.....		5	26	—	46	28	30	—	—	38	9	433	24	
Packers and wrappers, except meat and produce.....		6	—	—	4	70	134	—	11	16	33	187	5	
Other operatives, except transport.....		89	40	—	24	358	105	37	183	81	71	2 263	313	
Transport equipment operatives.....		—	—	—	—	—	3	—	—	—	—	5	—	
Laborers, except farm.....		—	—	—	5	5	19	—	—	5	17	145	25	
Farm workers.....		—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household.....		19	30	6	11	29	31	—	—	—	—	275	30	
Cleaning service workers.....		9	14	6	11	15	13	—	—	—	—	190	3	
Personal service workers.....		—	—	—	—	—	—	—	—	—	—	14	—	
Other service workers, including private household.....		10	16	—	—	14	18	—	—	—	—	71	27	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

AKRON SMSA

Total employed.....

Professional, technical, and kindred workers.....

Accountants.....

Architects.....

Computer specialists.....

Engineers.....

Chemical.....

Civil.....

Electrical and electronic.....

Industrial.....

Mechanical.....

Other engineers.....

Mathematical specialists.....

Life and physical scientists.....

Chemists.....

Personnel and labor relations workers.....

Social scientists.....

Engineering and science technicians.....

Draftsmen.....

Electrical and electronic engineering technicians.....

Industrial and mechanical engineering technicians.....

Technicians, except health, and engineering and science.....

Writers, artists, and entertainers.....

Other professional, technical, and kindred workers.....

Managers and administrators, except farm.....

Buyers, purchasing agents, and sales managers.....

Other managers and administrators.....

Salaried.....

Self-employed.....

Sales workers.....

Clerical and kindred workers.....

Bookkeepers.....

Cashiers.....

Estimators and investigators, n.e.c.....

Office machine operators.....

Shipping and receiving clerks.....

Stock clerks and storekeepers.....

Other clerical and kindred workers.....

Craftsmen and kindred workers.....

Blacksmiths, forgers, hammermen, and boilermakers.....

Bricklayers and stonemasons.....

Carpenters.....

Cranemen, derrickmen, and hoistmen.....

Electricians.....

Excavating, grading, and road machine operators.....

Foremen, n.e.c.....

Mechanics and repairmen.....

Automobile, including body.....

Machinists, job setters, and toolmakers.....

Metal craftsmen, except mechanics and machinists.....

Painters, construction and maintenance, and plasterers and paperhangers.....

Plumbers and pipe fitters.....

Printing craftsmen.....

Stationary engineers and power station operators.....

Other craftsmen and kindred workers.....

Operatives, except transport.....

Assemblers.....

Checkers, examiners, and inspectors; manufacturing.....

Filers, polishers, sanders, and buffers.....

Painters, manufactured articles.....

Precision machine operatives.....

Welders and flamecutters.....

Other specified operatives.....

Machine operatives, miscellaneous specified.....

Machine operatives, not specified.....

Miscellaneous operatives.....

Not specified operatives.....

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places		
1 280	6 993	1 180	3 111	3 592	8 691	9 014	6 407	5 958	8 970	11 519	2 693	6 067
49	112	47	356	456	388	163	83	72	112	465	67	195
15	36	8	29	70	80	23	15	22	9	25	32	75
—	5	—	—	13	5	5	—	—	—	—	—	—
18	17	—	22	134	105	12	11	5	—	36	3	26
14	5	—	—	9	—	—	—	5	—	—	—	4
4	7	—	78	91	13	5	—	—	—	6	—	—
—	5	—	12	25	9	—	6	—	—	16	—	—
—	—	—	11	78	7	—	—	—	—	14	—	—
—	—	—	—	5	6	—	—	—	—	—	—	—
—	—	—	—	5	10	—	—	10	—	—	—	—
6	34	—	—	20	10	—	16	18	20	17	13	25
—	—	—	5	9	6	6	5	5	—	22	4	4
—	—	5	105	104	69	6	10	6	—	22	4	—
—	—	5	39	64	19	—	5	5	—	22	—	—
—	—	5	39	15	14	6	—	—	—	—	—	—
—	—	—	7	29	26	—	7	6	—	—	—	—
5	11	5	53	20	26	—	—	—	83	23	—	6
5	9	—	12	47	36	33	24	—	—	331	11	19
299	384	69	191	147	1 323	968	804	1 056	984	1 539	250	966
9	45	—	36	36	465	523	222	125	21	1 439	77	25
220	330	69	170	111	896	445	582	931	963	1 116	173	941
220	318	64	170	107	751	432	420	592	637	1 116	153	872
—	21	5	—	4	107	13	162	339	326	358	20	69
10	84	9	66	31	1 874	4 259	1 233	1 018	183	4 340	1 275	1 285
239	1 197	243	1 221	819	1 961	2 011	1 635	550	381	1 896	1 066	3 013
31	130	61	61	84	337	289	110	186	71	407	45	415
5	20	3	22	26	18	428	1 217	28	208	403	20	35
—	41	—	—	42	42	56	4	42	17	27	—	103
—	91	5	31	48	123	44	4	7	10	35	15	123
—	77	13	—	23	123	56	17	5	5	49	—	4
3	21	—	10	22	159	173	74	28	—	85	—	16
196	817	184	1 097	617	1 138	911	190	234	87	900	959	2 317
415	768	92	1 196	1 169	729	433	274	1 389	49	1 147	17	76
—	—	—	—	10	5	—	—	—	—	—	—	—
22	—	—	—	36	16	—	5	—	—	53	—	7
—	—	—	5	6	16	—	—	—	—	—	—	15
—	—	—	10	89	22	—	8	—	5	26	—	—
5	15	—	—	12	—	—	—	—	—	—	—	—
58	170	7	115	184	170	102	69	60	9	107	5	13
52	517	75	34	257	341	171	51	1 285	5	265	—	4
—	479	40	4	22	184	41	19	1 249	—	46	—	—
15	—	—	—	5	32	—	—	5	—	—	—	—
6	—	—	—	11	15	—	—	—	—	—	—	—
5	—	—	16	52	8	—	—	—	—	—	—	16
5	—	—	—	19	7	—	15	—	—	12	—	5
5	—	5	4	166	6	—	—	5	—	12	—	5
247	20	5	1 012	334	77	98	126	10	30	667	12	11
30	46	31	4	133	71	146	825	1 547	65	365	—	10
—	—	—	—	4	47	—	—	—	—	5	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	5	21	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—
—	36	12	—	53	41	122	757	1 468	27	300	—	5
—	—	—	—	20	133	5	11	30	32	10	—	5
—	—	—	—	43	113	19	6	5	6	4	—	—
10	5	14	4	43	113	23	23	11	6	29	—	—
9	—	—	—	9	25	—	—	12	—	4	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade			
The State														
Standard Metropolitan Statistical Areas of 250,000 or More														
AKRON SMSA—Continued														
Total employed—Continued														
Transport equipment operatives	216	3 327	617	11	289	988	194	259	96	63	388			
Deliverymen and roustabouts	10	176	—	11	5	596	162	128	41	57	219			
Truck drivers	17	3 071	22	—	95	294	23	82	42	6	121			
Other transport equipment operatives	189	80	595	—	189	98	9	49	13	—	48			
Laborers, except farm														
Freight, stock, and material handlers	72	1 012	26	22	402	580	335	1 156	169	26	473			106
Other specified laborers	11	942	5	6	138	432	309	1 131	11	4	267			67
Miscellaneous laborers	50	25	21	11	181	85	9	9	150	—	141			23
Not specified laborers	11	37	—	5	54	14	9	16	8	22	17			16
Farm workers														
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—			—
Cleaning service workers	20	63	46	44	146	137	505	138	61	7 107	906			416
Personal service workers	15	33	12	29	112	111	110	66	53	73	18			318
Guards and watchmen	—	22	10	—	5	11	71	—	—	—	—			51
Other service workers, including private household	5	8	24	15	29	25	52	4	—	4	12			35
Female employed														
Professional, technical, and kindred workers	99	824	431	1 339	671	2 023	6 444	2 879	621	5 802	5 621	1 038		3 676
Accountants	5	8	14	83	31	45	99	9	8	29	73	14		73
Computer specialists	5	—	4	9	10	7	17	—	8	5	—	5		33
Life and physical scientists	—	—	—	11	6	14	—	—	—	—	—	—		4
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—		—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—		—
Writers, artists, and entertainers	—	—	—	5	4	4	39	—	—	—	11	5		—
Other professional, technical, and kindred workers	—	8	10	58	11	20	43	9	—	15	10	—		16
Managers and administrators, except farm	6	—	30	39	18	98	394	136	39	278	429	20		155
Salaried	6	—	30	39	18	98	389	85	23	196	312	20		142
Self-employed	—	—	—	—	—	—	5	51	16	82	117	—		13
Sales workers														
Clerical and kindred workers	74	734	136	1 134	491	1 367	3 544	957	37	65	2 524	140		576
Bookkeepers	6	90	11	52	38	284	1 804	345	468	304	1 605	846		2 627
Cashiers	—	20	—	26	26	13	274	105	157	44	369	40		35
Counter clerks, except food	—	—	—	8	8	14	43	5	28	165	367	15		—
File clerks	9	19	7	18	12	27	6	6	10	7	54	20		—
Office machine operators	—	72	5	27	21	89	52	18	7	10	33	15		—
Bookkeeping and billing machine operators	—	5	5	5	5	5	5	5	4	—	5	—		—
Receptionists	—	29	—	4	20	30	13	—	7	—	15	—		46
Secretaries	12	195	34	67	99	504	178	58	115	46	244	434		28
Stenographers	17	112	12	5	8	5	—	—	—	—	—	—		629
Typists	—	197	67	114	65	122	67	6	32	—	61	16		15
Other clerical and kindred workers	29	—	—	839	202	279	674	72	112	27	438	128		1 250
Craftsman and kindred workers														
Foremen, n.e.c.	—	4	9	37	16	39	58	41	4	6	194	—		5
Operatives, except transport	—	4	—	15	11	25	9	4	—	—	15	—		5
Assemblers	—	—	—	—	—	—	109	244	31	28	147	—		—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—		—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	31	47	—	15	20	—		—
Other operatives, except transport	—	—	—	—	1.5	92	78	197	31	13	127	—		5
Transport equipment operatives														
Laborers, except farm	4	40	239	—	30	35	30	7	16	10	10	—		—
Farm workers	—	9	—	6	6	28	65	81	5	8	44	—		16
Service workers, including private household														
Cleaning service workers	10	25	3	20	64	46	341	59	13	5 074	595	18		219
Personal service workers	10	25	3	11	46	24	28	11	13	50	61	11		153
Other service workers, including private household	—	—	—	—	—	—	289	48	—	4 996	47	7		19

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	AKRON SMSA										Public adminis- tration	
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertain- ment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organi- zations		Other professional and related services
Total employed	3 529	3 263	1 327	7 450	1 999	9 212	4 230	16 622	4 116	3 952	4 658	7 144
Professional, technical, and kindred workers	806	125	40	224	405	3 496	1 586	9 666	2 348	1 422	2 391	863
Architects	33	3	30	28	4	31	—	28	12	5	336	183
Computer specialists	—	—	—	—	—	3	—	—	—	—	—	—
Engineers	43	6	—	5	—	15	15	58	10	19	218	32
Chemical	80	11	—	—	—	—	—	44	—	5	11	97
Civil	21	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	5	—	—	—	—	—	9	—	—	—	—	—
Industrial	—	—	—	—	—	—	—	24	—	—	—	—
Mechanical	44	—	—	—	—	—	—	—	—	9	—	42
Other engineers	16	11	—	5	—	11	6	20	—	5	41	19
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	76	5	—	—	—	41	6	11	9	4	—	—
Chemists	59	3	—	—	—	20	—	8	9	—	—	—
Public health and labor relations workers	269	10	—	12	—	34	5	20	14	—	—	—
Sociologists	135	—	—	—	—	28	17	72	20	—	—	—
Engineers and science technicians	11	15	—	10	5	14	—	11	—	—	235	40
Draftsman	20	9	—	5	—	—	—	26	7	—	168	27
Electrical and electronic engineering technicians	20	3	—	2	—	—	—	4	—	—	5	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	6	5	—	—	—
Technicians, except health, and engineering and science	119	3	5	126	306	12	7	76	13	157	187	78
Writers, artists, and entertainers	34	68	5	65	90	3 318	1 530	9 256	2 283	1 215	1 314	245
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm	360	276	191	417	252	150	99	768	167	361	169	646
Buyers, purchasing agents, and sales managers	21	11	8	11	5	22	13	22	13	11	8	5
Other managers and administrators	339	265	183	417	247	134	99	746	154	350	746	641
Salaries	147	285	137	285	193	134	93	746	144	350	152	641
Self-employed	48	118	46	132	54	—	6	—	10	—	9	—
Sales workers	235	53	6	93	43	33	16	27	37	52	29	21
Clerical and kindred workers	1 002	310	229	676	271	1 399	879	2 741	645	1 061	1 126	3 172
Bookkeepers	39	63	41	66	41	83	78	90	38	74	135	92
Cashiers	16	14	26	36	67	70	—	10	38	12	—	57
Estimators and investigators, n.e.c.	49	14	—	5	—	—	—	5	—	—	—	—
Office machine operators	101	5	—	5	—	25	6	116	11	22	14	47
Shipping and receiving clerks	4	—	—	5	—	—	—	38	—	—	—	—
Stock clerks and storekeepers	2	16	—	14	—	50	—	—	—	—	—	—
Other clerical and kindred workers	771	198	151	525	163	1 160	795	2 385	558	930	919	2 903
Craftsmen and kindred workers	200	1 640	45	184	83	216	112	356	85	86	116	346
Blacksmiths, forgers, hammermen, and boilermakers	—	21	—	—	—	—	—	4	—	4	—	—
Brickmasons and stonemasons	—	4	11	4	5	20	—	31	9	—	—	—
Carpenters	—	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	7	4	—	5	—	5	—	27	5	6	—	—
Electricians	—	—	—	—	—	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	43	4	5	67	6	12	6	45	4	15	8	—
Foremen, n.e.c.	53	36	—	—	—	41	—	82	34	32	11	152
Mechanics and repairmen	41	1 354	4	15	28	41	4	18	19	4	—	—
Automobile, including body	5	842	4	—	11	4	—	—	—	—	—	—
Machinists, job setters, and toolmakers	5	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	5	17	5	6	41	—	60	6	5	—	—
Painters, construction and maintenance, and plasterers and paperhangers	4	22	—	—	—	15	—	31	7	4	—	—
Plumbers and pipe fitters	16	—	3	—	—	11	—	19	7	—	—	—
Printing craftsmen	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators	—	190	5	5	27	32	106	43	20	20	85	34
Other craftsmen and kindred workers	67	—	—	83	—	39	—	43	20	20	—	—
Operatives, except transport	176	312	21	1 064	10	277	62	97	17	30	115	57
Assemblers	11	—	—	—	5	—	—	6	5	—	—	10
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	11	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	36	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	27	—	—	—	—	—	—	—	—	—	—
Workers and timekeepers	10	—	—	4	—	—	—	—	—	—	—	—
Other specified operatives	90	127	16	1 024	5	261	56	54	4	26	77	20
Machine operatives, miscellaneous specified	26	16	—	9	—	11	—	—	—	—	—	—
Machine operatives, not specified	8	—	—	7	—	5	—	—	—	—	—	—
Miscellaneous operatives	35	15	5	20	—	—	—	17	4	4	10	6
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	AKRON SMSA—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives												
Delivermen and routemen	64	222	15	197	6	16	36	50	9	28	36	88
Truck drivers	34	29	130	14	—	5	16	9	—	24	5	82
Other transport equipment operatives	30	82	15	53	6	6	14	41	9	4	31	6
Laborers, except farm												
Freight, stock, and material handlers	80	214	6	104	163	44	—	88	20	33	47	260
Other specified laborers	12	10	6	28	11	16	—	24	4	15	10	84
Miscellaneous laborers	12	177	6	58	147	21	—	64	5	10	27	143
Not specified laborers	5	—	—	—	—	—	—	—	—	—	—	4
51	16	—	—	18	5	7	—	10	11	8	10	29
Farm workers												
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	606	111	774	4 491	766	3 581	1 440	2 819	768	879	629	1 731
Personal service workers	382	44	327	101	101	85	183	1 215	379	443	24	193
Guards and watchmen	5	—	139	10	266	9	4	132	132	186	11	16
Other service workers, including private household	175	62	302	10	395	20	—	249	6	5	—	28
44	—	—	—	2 383	—	2 925	—	1 338	251	243	594	1 494
Female employed												
Professional, technical, and kindred workers												
Accountants	1 571	406	811	5 625	812	7 522	3 057	10 174	2 738	2 295	2 277	2 156
Computer specialists	185	7	15	126	121	2 878	654	5 699	1 581	617	699	201
Life and physical scientists	24	3	10	—	—	10	—	23	—	—	76	45
Registered nurses, dietitians, and therapists	5	—	—	—	—	—	—	—	—	—	—	—
Social scientists	5	—	—	49	5	32	—	86	6	—	—	—
Writers, artists, and entertainers	23	—	—	49	5	1 968	475	80	15	20	5	17
Other professional, technical, and kindred workers	128	4	5	49	62	11	—	24	—	—	—	—
23	—	—	—	28	7	850	179	26	—	116	51	—
Managers and administrators, except farm	73	19	78	100	47	60	45	178	71	114	24	103
Self-employed	73	6	50	64	43	39	6	178	61	114	24	103
61	16	28	36	4	4	—	—	10	—	—	—	—
Sales workers												
Clerical and kindred workers	886	278	181	638	210	1 312	857	2 494	580	990	1 034	1 649
Cashiers	49	57	32	58	31	77	72	84	38	82	116	41
Counter clerks, except food	10	8	21	56	54	70	—	101	38	12	—	25
File clerks	5	5	71	250	10	5	—	23	6	6	—	—
Office machine operators	60	5	6	4	7	55	14	78	20	9	—	54
Bookkeeping and billing machine operators	30	—	—	5	—	20	6	93	11	22	37	47
Receptionists	22	12	9	—	6	11	—	4	4	4	—	—
Secretaries	284	62	12	50	56	112	306	106	43	43	4	23
Stenographers	153	14	4	33	348	409	8	1 037	225	485	512	349
Typists	207	115	26	128	10	192	29	326	68	175	13	21
Other clerical and kindred workers	21	24	—	76	36	364	73	631	137	156	299	808
Foremen, n.e.c.	9	2	—	32	—	47	6	31	16	20	9	13
Operatives, except transport												
Assemblers	92	18	16	788	5	182	45	38	4	26	38	6
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	40	—	—	4	—	9	—	—	—	—	5	—
Other operatives, except transport	41	18	16	784	5	173	45	38	4	26	33	6
Transport equipment operatives												
Laborers, except farm	14	—	—	10	—	5	20	20	—	—	—	—
Farm workers	14	21	—	19	5	4	—	5	16	15	—	19
Service workers, including private household												
Cleaning service workers	225	23	521	3 804	391	3 008	1 371	1 687	465	491	465	1 611
Personal service workers	195	5	252	53	24	350	142	313	149	141	9	55
Other service workers, including private household	5	—	90	1 465	83	60	4	219	92	145	11	16
25	18	179	2 286	284	2 598	1 225	1 135	224	205	205	445	90

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

Data based on sample, see text. For meaning of symbols, see text†

The State Standard Metropolitan Statistical Areas of 250,000 or More	CANTON SMSA	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							Total	Electrical machinery, equipment, and supplies	
						Durable goods									Machinery, except electrical
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal					
Total employed.....		141 260	1 585	408	6 433	59 262	960	2 119	13 029	646	8 566	12 265	4 419		
Professional, technical, and kindred workers.....		17 996	30	6	141	5 258	35	132	835	112	915	1 124	503		
Architects.....		1 085			9	450	6	38	155	15	6	44	27		
Engineers.....		30				16									
Computer specialists.....		2 315			84	250	19	29	37	52	330	404	31		
Chemical.....		100				75	5	5	18		19	10	4		
Civil.....		169			79	97	7		6		5	10			
Electrical and electronic.....		366				30				4	27	21	89		
Industrial.....		600				191		13	77	14	106	91	90		
Mechanical.....		328				547	12		9	63	146	33	33		
Other engineers.....		752			5	602		11	78	34	105	133	33		
Mathematical specialists.....		23				5					5				
Life and physical scientists.....		377				313		6	134			60			
Chemists.....		453				389		5	124		20	40	43		
Personnel and labor relations workers.....		82				18			24		10	4			
Social scientists.....		868				681						21			
Engineers and science technicians.....		961			28	363	10	26	206	29	322	372	108		
Draftsmen.....		185			19	111	10	11	65		211	216	64		
Electrical and electronic engineering technicians.....		110				119			19		16	12	9		
Industrial and mechanical engineering technicians.....		133				110		5	38	5		6			
Technicians, except health, and engineering and science.....		940			5	386		13	16		43	36	13		
Writers, artists, and entertainers.....		10 261			10	481		24	58	6	79	134	32		
Other professional, technical, and kindred workers.....		9 744			647	2 231	14	127	171	16	384	368	213		
Managers and administrators, except farm.....		1 506			17	490	6	20	62		67	105	46		
Buyers, purchasing agents, and sales managers.....		8 238			630	1 741	8	107	119	16	317	263	167		
Other managers and administrators.....		6 838			435	1 627	8	88	119	16	306	258	167		
Salaries.....		1 400			195	114					11	5			
Self-employed.....		10 321			42	1 077	15	24	58	5	95	87	38		
Sales workers.....		22 158			44	6 901	96	310	1 284	99	1 186	1 583	484		
Clerical and kindred workers.....		2 492			16	603	8	52	88		91	130	21		
Bookkeepers.....		1 285				21			6		6	5			
Cashiers.....		1 209				133			8		47	46			
Estimators and investigators, n.e.c.....		1 059				426		16	106	6	89	88	22		
Office machine operators.....		838				696		26	499	6	105	14	22		
Shipping and receiving clerks.....		15 362			33	529	16	11	97	12	105	249	42		
Stock clerks and storekeepers.....		23 397			28	279	67	200	883	77	802	985	385		
Other clerical and kindred workers.....		353			10	321	175	284	4 243	106	1 764	2 807	830		
Craftsmen and kindred workers.....		1 162			3 819	3 292	13	17	176		83	33			
Blacksmiths, forgers, hammermen, and boilermakers.....		1 194			10	521		17	17		5	11			
Brickmasons and stonemasons.....		1 045			12	94	21	9	61		5	22			
Carpenters.....		4 050			179	1 953	5	16	45		40	22			
Cranemen, derrickmen, and hoistsmen.....		1 176			35	566		23	202		154	225	5		
Electricians.....		1 508			38	1 117	10	33	46		76	118	47		
Excavating, grading, and road machine operators.....		4 366			42	3 066	52	117	23		10	6	6		
Foremen, n.e.c.....		2 107			26	1 390	29	33	314	5	423	553	272		
Mechanics and repairmen.....		1 508			11	133	6	12	5		180	394	157		
Automobile, including body.....		1 860			5	2 089		5	407	39	369	873	195		
Machinists, job setters, and toolmakers.....		1 860			134	1 687	5	11	17	17	178	306	63		
Metal craftsmen, except mechanics and machinists.....		525				75		5	17	14	13	14	5		
Painters, construction and maintenance, and plasterers and paperhangers.....		759			397	268		6	89		51	63	10		
Plumbers and pipe fitters.....		708				652			22		12	12			
Printing craftsmen.....		292				143	47		57		7	32			
Stationary engineers and power station operators.....		3 980			645	1 372		25	355	4	153	32	10		
Other craftsmen and kindred workers.....		26 919			136	23 331	511	782	4 496	208	3 386	4 950	2 060		
Operatives, except transport.....		2 011			8	1 958	72	25	72	36	377	578	444		
Assemblers.....		2 900				2 900	26	55	521	19	326	1 035	241		
Checkers, examiners, and inspectors; manufacturing.....		358				338	5	7	5	13	125	55	19		
Filers, polishers, sanders, and buffers.....		371				312	41	4	20		73	10	52		
Painters, manufactured articles.....		2 993				2 949	10	25	724	30	303	1 511	164		
Precision machine operatives.....		4 425			5	4 419	41	31	291	4	589	264	350		
Welders and flamecutters.....		3 544			64	3 480	151	246	1 322	49	872	663	390		
Other specified operatives.....		1 301			129	1 171	105	194	1 245	31	365	305	194		
Machine operatives, miscellaneous specified.....		1 554			15	1 539	19	49	114	12	140	404	169		
Machine operatives, not specified.....		1 554			15	1 539	19	49	114	12	140	404	169		
Miscellaneous operatives.....		683				1 300	20	127	433	10	154	153	91		
Not specified operatives.....						613	21	19	183		62	77	104		

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing						
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
CANTON SMSA—Continued											
Total employed—Continued											
Transport equipment operatives.....	5 729	6	76	233	—	153	359	14	228	219	62
Deliverymen and routemen.....	1 179	6	—	14	—	10	17	—	19	10	3
Truck drivers.....	2 726	—	65	170	—	71	116	4	65	126	20
Other transport equipment operatives.....	1 824	—	11	49	—	72	226	10	144	83	39
Laborers, except farm	7 433	172	12	807	—	254	1 275	71	430	756	87
Freight, stock, and material handlers.....	3 064	—	12	28	—	122	351	14	170	362	58
Other specified laborers.....	2 053	172	—	779	—	6	133	15	28	78	7
Miscellaneous laborers.....	1 220	—	—	—	—	4	590	37	102	126	—
Not specified laborers.....	1 096	—	—	—	—	77	201	5	130	190	22
Farm workers	1 221	1 221	—	—	—	—	—	—	—	—	—
Service workers, including private household	16 342	21	—	29	—	53	308	15	178	371	142
Cleaning service workers.....	3 155	10	—	25	—	43	174	10	110	278	66
Personal service workers.....	1 720	—	—	—	—	—	—	—	—	—	—
Guards and watchmen.....	1 595	—	—	4	—	—	104	5	5	72	59
Other service workers, including private household.....	10 872	11	—	—	—	—	30	—	18	21	17
Female employed	49 180	248	46	383	—	499	715	183	1 624	1 732	1 434
Professional, technical, and kindred workers	7 374	—	6	4	—	22	60	17	37	90	10
Accountants.....	263	—	—	4	—	5	17	—	3	—	—
Computer specialists.....	71	—	—	—	—	—	5	—	—	9	—
Life and physical scientists.....	20	—	—	—	—	—	4	—	—	—	—
Registered nurses, dietitians, and therapists.....	1 750	—	—	—	—	—	24	—	12	24	—
Social scientists.....	29	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers.....	258	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers.....	4 983	—	6	—	—	6	10	17	15	53	—
Managers and administrators, except farm	1 428	4	4	4	—	—	5	—	23	3	—
Salaries.....	1 171	4	4	4	—	—	—	—	23	3	—
Self-employed.....	257	—	—	—	—	—	—	—	—	—	—
Sales workers	4 538	12	—	6	—	—	5	—	12	—	—
Clerical and kindred workers	15 820	39	29	303	—	219	428	65	651	766	342
Bookkeepers.....	931	11	11	76	—	31	23	—	56	73	17
Cashiers.....	1 245	—	—	—	—	—	0	—	—	—	—
Counter clerks, except food.....	231	—	—	—	—	—	13	—	—	17	—
File clerks.....	340	—	—	—	—	5	73	6	29	33	10
Office machine operators.....	875	—	—	—	—	16	410	6	68	78	22
Bookkeeping and billing machine operators.....	60	—	—	—	—	—	—	—	4	—	—
Receptionists.....	472	16	—	—	—	—	5	—	8	—	—
Secretaries.....	4 485	12	—	—	—	80	144	27	240	164	4
Stenographers.....	1 666	12	—	159	—	6	30	—	—	9	—
Typists.....	1 220	—	19	—	—	10	73	11	80	90	21
Other clerical and kindred workers.....	4 855	—	7	49	—	71	61	21	170	289	99
Craftsmen and kindred workers	833	6	2	40	—	11	44	—	41	29	54
Foremen, n.e.c.....	165	—	2	—	—	6	4	—	—	10	8
Operatives, except transport	7 306	—	5	8	—	226	140	97	773	785	996
Assemblers.....	897	—	—	8	—	10	11	36	67	81	415
Checkers, examiners, and inspectors; manufacturing.....	1 341	—	—	—	—	37	61	8	190	523	132
Packers and wrappers, except meat and produce.....	985	—	—	—	—	30	21	—	143	47	65
Other operatives, except transport.....	4 083	—	5	—	—	149	47	53	373	134	384
Transport equipment operatives	274	—	—	—	—	4	—	—	—	—	—
Laborers, except farm	505	23	—	4	—	17	17	4	48	22	15
Farm workers	159	159	—	—	—	—	—	—	—	—	—
Service workers, including private household	10 943	5	—	14	—	—	16	—	39	37	17
Cleaning service workers.....	1 080	5	—	—	—	—	5	—	—	26	—
Personal service workers.....	1 275	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household.....	8 588	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

CANTON SMSA	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastics products	Other nondurable goods, fuel, not specified manufacturing
Total employed	1 104	857	75	144	3 058	2 614	45	308	965	2 126	677	4 065	1 220
Professional, technical, and kindred workers	48	287	4	12	182	68	—	5	25	179	76	634	82
Accountants	5	9	—	—	—	12	—	—	11	17	8	36	7
Architects	—	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers	21	156	—	5	32	34	—	—	—	—	4	166	—
Chemical	—	5	—	—	—	—	—	—	—	—	—	37	21
Civil	—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	—	21	—	—	—	—	—	—	—	—	—	—	—
Mechanical	5	13	—	5	5	20	—	—	—	—	—	—	—
Industrial	6	17	—	—	—	5	—	—	—	—	—	—	—
Other engineers	10	100	—	—	27	9	—	—	—	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemists	—	—	—	—	—	6	—	—	—	—	—	—	—
Personnel and labor relations workers	—	—	—	3	—	8	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers and science technicians	17	78	4	4	22	4	—	—	—	—	—	—	—
Draftsman	12	4	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	5	5	—	—	—	—	—	—	—	—	—	—	—
Technicians except health, and engineering and science	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	5	18	—	—	27	—	—	—	—	—	—	—	—
Managers and administrators, except farm	26	74	12	5	138	156	11	4	77	127	69	166	73
Buyers, purchasing agents, and sales managers	11	33	4	—	24	40	—	—	10	22	15	24	5
Other managers and administrators	15	41	8	5	114	116	5	4	67	105	54	142	68
Salaried	—	—	—	—	—	96	—	—	67	83	54	142	62
Self-employed	—	—	—	—	27	20	—	—	—	22	—	—	—
Sales workers	6	—	—	6	35	91	4	—	34	354	119	65	41
Clerical and kindred workers	53	68	—	19	338	244	—	6	72	467	73	402	117
Bookkeepers	4	10	—	—	22	29	—	6	5	42	65	17	—
Cashiers	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—
Office machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Shipping and receiving clerks	6	18	—	—	5	26	—	—	—	13	—	—	—
Stock clerks and storekeepers	—	—	—	—	—	20	—	—	—	89	—	—	—
Other clerical and kindred workers	43	35	—	14	296	146	—	—	16	51	5	15	10
Craftsmen and kindred workers	314	189	23	30	545	271	9	40	154	662	38	582	226
Blacksmiths, forgemen, hammermen, and boilermakers	29	—	—	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	7	—	5	6	5	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	4	7	—	—	—	—	—	—	—	—	—	—	—
Electricians	19	25	—	—	26	—	—	—	7	—	—	—	—
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	47	53	12	15	56	118	—	26	68	52	28	235	5
Mechanics and repairmen	82	47	6	5	46	64	—	9	38	17	10	137	67
Automobile, including body	39	—	—	—	—	31	—	—	—	—	—	—	—
Mechanics and repairmen	35	—	—	—	32	—	—	—	—	—	—	—	—
Machinists, job setters, and toolmakers	—	—	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	41	10	—	4	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	4	—	—	—	—	—	—	—	—	—	—	—	—
Plumbers and pipe fitters	—	—	—	—	—	—	—	—	—	—	—	—	—
Printing craftsmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Other craftsmen and kindred workers	8	10	—	—	370	84	4	5	10	15	—	—	—
Operatives, except transport	554	191	32	42	1 461	1 132	21	245	490	214	207	1 882	467
Assemblers	61	42	6	24	115	42	—	5	33	74	7	1 882	467
Checkers, examiners, and inspectors; manufacturing	64	41	—	—	84	21	—	5	—	5	—	—	—
Filers, polishers, sanders, and buffers	10	—	—	—	17	—	—	—	—	—	—	—	—
Painters, manufactured articles	28	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	41	24	—	—	10	6	—	—	—	—	—	—	—
Welders and flamecutters	61	10	—	—	75	—	—	—	—	—	—	—	—
Other specified operatives	167	34	8	8	41	666	21	231	170	72	90	385	320
Machine operatives, miscellaneous specified	56	5	—	5	87	288	—	—	172	38	63	783	44
Machine operatives, not specified	51	16	—	—	11	47	—	—	57	40	23	16	16
Miscellaneous operatives	10	10	—	—	49	70	—	4	53	36	10	66	10
Not specified operatives	5	9	—	—	31	34	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food, kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
The State													
Standard Metropolitan Statistical Areas of 250,000 or More													
CANTON SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	49	20	—	—	97	299	—	8	33	41	21	65	76
Deliverymen and routemen	5	—	—	—	6	229	—	4	10	10	6	15	5
Truck drivers	5	4	—	—	16	50	—	4	11	21	9	10	28
Other transport equipment operatives	44	16	—	—	75	20	—	—	22	10	6	40	43
Laborers, except farm													
Freight, stock, and material handlers	38	—	4	16	218	277	—	—	75	40	68	144	91
Other specified laborers	22	—	—	11	28	188	—	—	51	28	39	53	25
Miscellaneous laborers	—	—	4	—	179	27	—	—	6	5	12	41	41
Not specified laborers	5	—	—	—	4	—	—	—	—	—	—	—	5
Other service workers, including private household farm workers	11	—	—	5	11	58	—	—	18	7	17	46	10
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	16	28	—	14	44	76	—	—	5	—	6	85	47
Personal service workers	12	18	—	—	5	39	—	—	5	26	6	46	18
Guards and watchmen	—	—	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	—	10	—	14	—	6	—	—	—	—	—	15	—
Female employed													
Professional, technical, and kindred workers	134	131	4	31	835	730	9	268	270	684	144	1 340	346
Accountants	—	5	—	—	6	12	—	—	—	26	12	29	12
Computer specialists	—	—	—	—	—	8	—	—	—	4	—	5	3
Life and physical scientists	—	5	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	—	—	—	—	6	4	—	—	—	18	—	—	—
Managers and administrators, except farm	—	—	—	—	—	—	—	—	—	4	12	21	9
Self-employed	—	—	—	—	—	—	—	—	—	10	—	—	6
Salaries	—	—	—	—	—	—	—	—	16	10	—	—	6
Self-employed	—	—	—	—	—	—	—	—	16	10	—	—	6
Sales workers													
Chemical and kindred workers	—	—	—	—	—	34	—	—	—	36	—	15	11
Bookkeepers	38	31	—	15	207	164	—	6	20	392	49	230	77
Cashiers	4	—	—	—	18	25	—	6	5	42	3	42	4
Counter clerks, except food	—	—	—	—	4	—	—	—	—	—	—	—	—
File clerks	—	—	—	—	—	—	—	—	—	4	—	—	—
Office machine operators	—	11	—	—	5	26	—	—	—	64	—	16	5
Receptionists	—	—	—	—	—	7	—	—	—	14	—	6	—
Secretaries	14	5	—	—	32	47	—	—	7	53	29	90	19
Stenographers	—	—	—	—	—	—	—	—	—	—	—	—	—
Typists	9	—	—	10	26	—	—	—	8	31	5	34	5
Other clerical and kindred workers	11	4	—	5	124	59	—	—	—	140	12	42	44
Craftsmen and kindred workers													
Foremen, n.e.c.	—	12	—	—	8	9	—	—	5	90	—	33	—
Operatives, except transport	—	—	—	—	—	5	—	—	—	—	—	28	—
Assemblers	92	78	4	16	604	478	5	236	205	101	81	973	208
Checkers, examiners, and inspectors, manufacturing	5	29	—	—	89	7	—	—	28	6	4	68	4
Packers and wrappers, except meat and produce	26	15	—	11	55	—	—	3	—	5	5	252	5
Other operatives, except transport	61	34	4	5	441	215	5	226	138	80	18	503	173
Transport equipment operatives													
Laborers, except farm	—	—	—	—	5	—	—	—	—	6	—	—	—
Farm workers	—	—	—	—	5	18	—	—	24	7	—	51	20
Service workers, including private household													
Cleaning service workers	4	5	—	—	—	15	—	—	—	16	—	9	12
Personal service workers	—	—	—	—	—	—	—	—	—	5	—	—	6
Other service workers, including private household	—	—	—	—	—	—	—	—	—	5	—	4	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 - Continued

The State Standard Metropolitan Statistical Areas of 250,000 or More

CANTON SMSA

Total employed

Professional, technical, and kindred workers

Accountants... Architects... Computer specialists... Engineers... Civil... Electrical and electronic... Industrial... Mechanical... Other engineers... Mathematical specialists... Life and physical scientists... Chemists... Personnel and labor relations workers... Social scientists... Engineering and science technicians... Draftsmen... Electrical and electronic engineering technicians... Technicians, except health, and engineering technicians... Writers, artists, and entertainers... Other professional, technical, and kindred workers...

Managers and administrators, except farm... Buyers, purchasing agents, and sales managers... Other managers and administrators... Self-employed... Sales workers...

Clerical and kindred workers

Bookkeepers... Cashiers... Estimators and investigators, n.e.c... Office machine operators... Shipping and receiving clerks... Stock clerks and stockkeepers... Other clerical and kindred workers...

Craftsmen and kindred workers

Blacksmiths, forgersmen, hammermen, and boilermakers... Brickmasons and stonemasons... Carpenters... Cranemen, derrickmen, and hoistsmen... Electricians... Excavating, grading, and road machine operators... Foremen, n.e.c... Mechanics and repairmen... Automobile, including body... Machinists, job setters, and toolmakers... Metal craftsmen, except mechanics and machinists... Painters, construction and maintenance, and plasterers and paperhangers... Plumbers and pipe fitters... Printing craftsmen... Stationary engineers and power station operators... Other craftsmen and kindred workers...

Operators, except transport

Assemblers... Checkers, examiners, and inspectors; manufacturing... Filers, polishers, sanders, and buffers... Painters, manufactured articles... Precision machine operators... Welders and flamecutters... Other specified operatives... Machine operatives, miscellaneous specified... Machine operatives, not specified... Miscellaneous operatives... Not specified operatives...

Table with columns: Railroads and railway express service, Trucking service and warehousing, Other transportation, Communications, Utilities and sanitary services, Wholesale trade, General merchandise retailing, Food stores, Automotive dealers and gasoline stations, Eating and drinking places, Other retail trade, Insurance, Finance and real estate. Rows include various occupational categories like Accountants, Engineers, Managers, Clerical workers, etc.

[Data based on sample, see text. For meaning of symbols, see text]

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Railroads and railway express service	Trucking service ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail Trade				Insurance	Finance and real estate		
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade	
CANTON SMSA—Continued														
Total employed—Continued														
Transport equipment operatives														
Deliverymen and routemen	277	1 442	376	—	170	703	59	85	40	17	234	—	9	
Truck drivers	5	77	—	—	5	354	59	56	7	6	138	—	—	
Other transport equipment operatives	16	1 354	376	—	66	288	—	20	22	11	88	—	9	
Other transport equipment operatives	256	11	—	—	99	61	—	9	11	—	8	—	—	
Labors, except farm														
Freight, stock, and material handlers	100	123	9	6	175	365	98	668	79	24	238	—	58	
Other specified laborers	13	117	3	—	82	269	11	649	—	4	139	—	27	
Other specified laborers	6	—	6	6	41	14	11	—	64	—	58	—	17	
Miscellaneous laborers	55	—	—	—	46	34	6	—	6	—	18	—	14	
Not specified laborers	26	6	—	—	6	48	19	19	9	20	23	—	—	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household														
Cleaning service workers	36	17	24	6	72	81	219	80	31	3 556	392	5	168	
Personal service workers	10	11	4	6	52	46	34	39	31	—	116	5	143	
Guards and watchmen	9	6	6	—	5	—	18	—	—	24	21	—	4	
Other service workers, including private household	17	—	14	—	15	20	10	6	—	—	—	—	10	
Other service workers, including private household	—	—	—	—	—	—	157	35	—	3 463	255	—	11	
Female employed	77	207	211	686	442	1 121	2 683	1 647	390	3 082	3 630	739	2 039	
Professionals, technical, and kindred workers														
Accountants	6	—	—	45	34	34	22	10	6	20	35	5	59	
Computer specialists	6	—	—	6	6	19	10	4	6	—	11	—	28	
Engineers, architects, drafters, and physical scientists	—	—	—	—	—	6	—	—	—	—	—	—	16	
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	—	—	—	10	—	—	—	—	—	—	—	—	—	
Other professional, technical, and kindred workers	—	—	—	35	28	4	6	6	—	10	20	—	15	
Managers and administrators, except farm														
Salaries	6	4	5	19	2	30	191	63	23	143	238	24	111	
Self-employed	6	4	5	19	2	30	180	43	14	66	173	24	111	
Other self-employed	—	—	—	—	—	—	11	20	9	77	65	—	—	
Sales workers	—	5	6	12	—	107	1 543	603	36	48	1 637	47	221	
Clerical and kindred workers														
Bookkeepers	55	169	47	594	372	757	638	792	306	152	1 101	663	1 845	
Cashiers	—	33	5	7	21	184	82	53	191	25	329	47	210	
Counter clerks, except food	—	—	—	8	19	22	187	624	21	94	199	—	15	
File clerks	10	—	—	10	4	5	26	—	5	—	—	—	—	
Office machine operators	—	5	—	9	20	84	21	18	—	6	26	45	26	
Bookkeeping and billing machine operators	—	—	—	5	—	—	—	—	—	—	13	41	113	
Receptionists	—	—	—	9	—	—	—	—	—	—	—	—	35	
Secretaries	8	41	11	28	—	19	17	3	51	21	24	—	12	
Stenographers	6	11	—	9	133	200	—	—	—	—	—	—	—	
Typists	13	34	5	15	17	5	49	—	25	—	5	—	330	
Other clerical and kindred workers	18	40	26	517	149	197	233	24	43	6	332	129	764	
Craftsmen and kindred workers	—	—	—	16	4	11	44	29	5	34	146	—	—	
Foremen, n.e.c.	—	—	—	—	—	—	34	6	—	—	15	—	—	
Operatives, except transport														
Assemblers	—	6	—	—	—	123	46	104	10	6	100	—	—	
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	
Packers and wrappers, except meat and produce	—	6	—	—	—	66	11	18	—	6	11	—	—	
Other operatives, except transport	—	—	—	—	—	57	35	116	10	—	89	—	—	
Transport equipment operatives														
Labors, except farm	—	16	139	—	8	10	23	—	—	12	—	—	—	
Labors, except farm	5	—	—	—	6	25	25	55	—	6	26	—	—	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household														
Cleaning service workers	5	7	14	—	16	24	151	31	4	2 661	257	—	103	
Personal service workers	—	7	6	—	5	4	—	13	4	21	46	—	97	
Other service workers, including private household	5	—	8	—	—	—	18	7	—	—	21	—	6	
Other service workers, including private household	—	—	—	—	11	20	133	18	—	2 633	190	—	—	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious and nonprofit membership organizations	Other professional and related services	Public administration
1 663	1 736	501	3 977	870	5 243	2 716	5 858	2 370	2 027	2 412	3 472
371	43	8	47	101	1 785	962	4 053	1 456	807	1 151	378
31	—	—	—	—	9	6	5	—	17	216	84
5	—	—	—	—	177	—	10	3	3	34	10
50	9	—	—	—	—	—	—	—	3	127	31
—	—	—	—	—	—	—	—	—	3	—	—
4	—	—	—	—	—	—	—	—	—	16	17
15	—	—	—	—	—	—	—	—	—	6	7
25	4	—	—	—	—	—	—	—	—	20	5
10	—	—	—	—	—	—	—	—	—	72	—
10	—	—	—	—	—	—	—	—	3	17	—
14	—	—	—	—	10	6	—	4	—	—	—
83	—	—	—	—	10	6	—	—	—	—	—
88	—	—	—	—	9	4	—	5	16	—	45
26	—	—	—	—	6	—	—	7	8	—	43
55	—	—	—	—	—	—	—	4	—	—	18
5	—	—	—	—	—	—	—	7	—	—	11
5	—	—	—	—	—	—	—	—	—	—	—
77	5	—	38	63	5	5	12	42	10	66	49
23	29	8	9	38	1 729	941	3 986	1 395	104	601	90
173	115	58	198	112	73	62	384	131	192	47	302
10	6	—	17	112	5	62	16	5	66	5	16
163	109	58	198	112	58	62	376	126	187	47	286
147	72	31	78	135	68	62	376	121	49	47	286
16	37	27	63	34	—	13	—	5	—	—	—
86	35	—	55	27	6	7	—	35	21	47	5
439	137	80	251	77	620	389	578	319	403	688	1 539
49	26	20	17	13	38	10	14	31	66	77	53
—	6	5	—	—	5	—	—	13	15	11	—
45	—	—	—	—	—	—	—	4	—	13	26
66	6	—	—	—	19	—	—	—	4	26	33
16	4	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	17	5	6	—	—	6	—
252	95	55	227	52	536	374	543	271	518	566	1 405
130	920	9	81	74	84	70	65	28	15	40	141
—	3	—	5	5	6	—	—	8	—	—	—
—	4	5	4	5	—	—	4	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	11	—	—	—	—	—	—
14	22	—	16	5	15	5	—	10	—	—	10
75	712	—	16	36	18	—	17	5	—	9	38
—	488	—	—	6	—	—	12	5	—	—	62
—	3	—	—	—	—	—	—	4	—	—	9
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
10	12	—	—	—	—	—	—	—	—	—	—
—	21	—	—	—	11	—	19	—	—	—	15
6	4	—	—	—	14	—	10	—	5	—	—
—	—	4	—	—	—	—	10	—	—	—	—
25	139	—	45	23	9	65	5	6	10	25	6
77	220	—	592	11	158	42	7	6	20	38	30
3	—	—	—	—	—	—	—	—	10	—	—
—	10	—	—	—	—	—	—	—	—	—	—
—	20	—	—	—	—	—	—	—	—	—	—
—	84	—	6	—	—	—	—	—	—	—	—
27	42	—	558	5	158	37	7	—	—	—	10
6	14	—	6	6	—	—	—	—	—	—	—
5	5	—	7	—	—	—	—	—	—	—	—
36	30	—	15	—	—	—	—	—	—	—	20
—	4	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	CANTON SMSA—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives	30	41	—	82	—	15	16	6	5	9	—	34
Deliverymen and routemen	22	9	—	62	—	3	11	—	—	—	—	6
Truck drivers	8	11	—	6	—	4	—	6	—	4	—	22
Other transport equipment operatives	—	21	—	14	—	8	5	—	5	—	—	6
Laborers, except farm	45	195	3	60	77	15	10	9	4	17	9	99
Freight, stock, and material handlers	9	4	—	18	13	—	—	—	—	—	—	35
Other specified laborers	—	—	—	21	54	15	7	9	4	6	5	47
Miscellaneous laborers	3	27	—	4	—	—	—	—	—	—	—	7
Not specified laborers	33	8	3	17	10	—	3	—	—	5	4	10
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	312	—	343	2 611	391	2 487	1 158	756	384	343	—	944
Cleaning service workers	194	12	165	70	—	362	102	154	186	29	—	58
Personal service workers	73	10	82	189	—	97	10	49	14	13	—	39
Guards and watchmen	113	—	—	—	5	35	—	—	—	—	—	—
Other service workers, including private household	5	18	89	1 352	216	2 090	1 046	416	143	105	—	833
Female employed	671	249	368	3 042	378	4 662	2 063	3 910	1 589	1 127	1 304	922
Professional, technical, and kindred workers	123	21	5	18	47	1 630	447	2 800	937	291	345	86
Accountants	16	—	—	—	—	7	6	5	3	—	—	28
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	5	—	—	—	—	5	—	4	—	—	—	—
Registered nurses, dietitians, and therapists	2	—	5	—	—	1 278	361	20	11	5	—	—
Social scientists	4	—	—	—	—	—	—	11	—	—	—	—
Writers, artists, and entertainers	29	5	—	9	20	5	4	11	5	—	—	5
Other professional, technical, and kindred workers	64	16	—	9	27	335	76	2 760	897	40	37	53
Managers and administrators, except farm	32	12	19	41	36	41	38	82	75	40	20	58
Salaried	21	7	8	32	21	41	25	82	70	40	20	58
Self-employed	11	5	11	9	15	—	13	—	5	—	—	—
Sales workers	21	11	—	42	11	—	7	—	26	11	13	—
Clerical and kindred workers	371	111	70	215	54	615	384	539	297	550	613	678
Bookkeepers	36	15	15	15	38	38	10	14	31	60	56	36
Cashiers	—	6	7	7	13	5	10	14	13	15	—	6
Counter clerks, except food	—	11	23	89	9	—	—	—	—	—	—	—
File clerks	4	—	—	—	—	12	10	16	5	4	6	15
Office machine operators	66	—	—	—	—	19	—	—	4	4	17	25
Bookkeeping and billing machine operators	17	5	—	33	—	73	97	—	30	46	14	30
Receptionists	5	19	10	19	26	203	217	282	126	326	342	164
Secretaries	85	9	—	—	—	10	—	—	9	—	22	14
Stenographers	9	—	—	21	—	—	21	33	19	35	89	89
Typists	50	11	—	21	—	179	29	185	69	51	118	299
Other clerical and kindred workers	104	44	17	41	—	—	—	—	—	—	—	—
Craftsman and kindred workers	10	8	—	32	—	19	25	15	—	5	10	6
Foremen, n.e.c.	—	—	—	6	—	10	5	—	—	—	5	—
Operatives, except transport	30	12	—	441	—	112	20	—	6	10	21	6
Assemblers	3	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	27	12	—	441	—	112	20	—	6	10	21	6
Transport equipment operatives	—	9	—	16	—	5	11	—	5	—	—	—
Laborers, except farm	5	46	—	18	—	—	3	—	—	5	5	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	79	19	274	2 219	230	2 240	1 128	474	243	210	277	88
Cleaning service workers	74	12	125	40	32	257	81	30	76	70	15	8
Personal service workers	—	—	75	877	22	89	4	49	89	14	13	14
Other service workers, including private household	5	7	74	1 302	176	1 960	1 043	395	118	46	249	66

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

The State Standard Metropolitan Statistical Areas of 250,000 or More

CINCINNATI, OHIO-KY-IND., SMSA

(Data based on sample, see text. For meaning of symbols, see text)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Total	Manufacturing							Electrical machinery, equipment, and supplies
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical		
Total employed	523 313	4 873	512	26 962	171 159	4 969	2 478	4 461	1 179	12 816	22 591	12 146	
Professional, technical, and kindred workers	78 134	238	12	871	20 024	190	136	419	94	971	2 912	1 488	
Accountants	6 220	3	6	95	137	5	11	10	10	4	—	156	
Architects	382	4	—	14	19	—	—	—	—	—	—	—	
Computer specialists	1 052	—	—	420	811	10	44	172	32	21	214	47	
Engineers	10 848	5	—	—	6 651	28	13	172	5	287	1 056	621	
Chemical	—	—	—	—	805	—	5	15	—	—	—	6	
Civil	918	—	—	303	615	—	—	20	—	24	—	—	
Electrical and electronic	1 417	5	—	24	747	—	5	20	—	—	95	394	
Industrial	1 621	—	—	20	1 247	19	5	46	—	55	199	97	
Mechanical	1 629	—	—	28	1 319	9	5	24	12	45	329	34	
Other engineers	3 586	—	—	45	2 544	—	16	57	15	121	433	90	
Mathematical specialists	216	—	—	—	86	—	—	—	—	6	15	—	
Life, physical scientists	1 774	30	—	—	1 045	—	26	42	—	20	38	17	
Chemical	1 274	—	—	—	758	—	11	24	—	24	38	—	
Physics	1 284	—	—	—	538	—	—	—	20	24	—	—	
Personnel and labor relations workers	2 368	5	—	10	1 258	—	—	24	—	33	—	—	
Social scientists	869	—	—	—	208	—	—	—	—	—	—	—	
Engineering and science technicians	6 635	5	—	4	4 290	—	5	71	—	315	880	403	
Draftsmen	2 543	—	—	208	1 549	—	—	18	—	206	506	161	
Electrical and electronic engineering technicians	532	—	—	6	491	—	—	5	—	26	146	175	
Industrial and mechanical engineering technicians	680	—	—	18	518	16	—	—	—	38	98	42	
Technicians, except health, and engineering and science	5 152	27	—	27	3 399	11	—	7	—	31	173	101	
Writers, artists, and entertainers	42 352	159	6	58	2 009	—	—	—	5	83	203	55	
Other professional, technical, and kindred workers	39 595	68	36	2 345	9 944	314	220	189	88	787	1 357	515	
Managers and administrators, except farm	6 197	6	5	59	2 193	65	4	58	4	146	164	164	
Buyers, purchasing agents, and sales managers	33 398	62	31	2 286	7 751	249	162	131	84	641	1 098	351	
Other managers and administrators	28 515	38	31	1 572	7 509	244	136	131	79	632	1 015	345	
Salaried	4 883	24	—	714	2 442	5	—	—	5	9	44	6	
Self-employed	42 054	36	27	311	5 330	110	150	98	59	242	546	249	
Sales workers	100 837	114	77	1 697	25 444	633	382	505	131	1 684	3 142	1 800	
Clerical and kindred workers	10 574	22	14	351	2 330	88	49	30	14	151	11	154	
Cashiers	5 659	—	—	—	97	—	—	—	—	—	—	—	
Estimators and investigators, n.e.c.	2 065	—	—	275	—	20	20	20	4	84	11	—	
Office machine operators	5 373	5	4	24	1 734	15	15	36	4	72	36	137	
Shipping and receiving clerks	3 794	—	—	—	2 152	70	49	67	10	198	207	176	
Stock clerks and storekeepers	3 745	5	52	—	1 884	27	27	31	23	388	388	226	
Other clerical and kindred workers	69 627	82	59	973	16 859	361	222	321	76	1 051	1 923	1 172	
Craftsmen and kindred workers	72 215	123	115	15 809	31 812	984	425	1 365	264	2 716	4 938	1 959	
Blacksmiths, wigmens, hammermen, and boiler-makers	232	—	—	25	113	—	—	23	—	44	16	—	
Brickmasons and stonemasons	937	4	—	884	49	—	4	20	—	8	—	4	
Carpenters	4 530	35	6	3 431	406	114	8	14	—	37	43	20	
Cranemen, derrickmen, and hoistmen	961	—	11	160	609	12	12	175	—	78	237	15	
Electricians	3 184	—	43	1 448	1 151	12	4	57	—	79	300	69	
Excavating, grading, and road machine operators	1 179	12	5	914	7 365	249	151	39	89	22	14	527	
Foremen, n.e.c.	11 100	23	11	776	4 775	98	77	168	10	668	1 078	396	
Mechanics and repairmen	16 113	7	29	901	4 975	—	30	—	—	3	—	18	
Automobile, including body	6 049	—	—	66	4 847	54	—	101	—	623	1 903	415	
Machinists, job setters, and toolmakers	5 053	—	5	17	2 292	—	—	350	126	491	402	162	
Metal craftsmen, except mechanics and machinists	2 473	—	—	511	1 812	26	10	5	—	5	39	39	
Painters, construction and maintenance, and plasterers and paperhangers	2 869	4	—	1 831	617	—	—	35	—	21	99	48	
Plumbers and pipe fitters	4 530	—	—	12	4 289	—	—	10	—	38	10	12	
Printing craftsmen	1 234	—	—	25	501	—	—	24	—	7	30	7	
Stationary engineers and power station operators	1 886	38	5	3 162	4 275	416	67	80	14	237	191	254	
Other craftsmen and kindred workers	78 681	38	130	1 294	63 486	2 141	735	1 666	451	5 332	8 564	5 354	
Assemblers	11 790	—	—	25	11 400	409	25	112	13	737	1 971	1 488	
Checkers, examiners, and inspectors; manufacturing	5 754	—	—	—	5 754	129	50	121	39	434	720	672	
Flers, polishers, sonders, and buffers	1 008	4	—	5	893	74	5	5	11	205	127	41	
Painters, manufactured articles	1 284	—	—	—	1 143	6	6	10	—	165	167	116	
Precision machine operators	6 035	—	30	30	5 899	72	14	217	74	760	344	555	
Welders and flamecutters	4 003	—	4	312	3 262	12	12	190	32	663	1 908	896	
Other specified operatives	30 347	19	121	791	18 974	590	273	540	74	1 147	981	512	
Machine operatives, miscellaneous specified	8 369	—	—	42	324	176	176	212	115	417	894	896	
Machine operatives, not specified	3 717	5	—	17	3 495	42	42	84	51	570	512	512	
Miscellaneous operatives	4 156	—	—	48	3 197	151	96	89	26	192	280	213	
Not specified operatives	2 218	—	—	24	1 860	88	36	86	16	216	184	159	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction	Total	Manufacturing						
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
The State												
Standard Metropolitan Statistical Areas of 250,000 or More												
CINCINNATI, OHIO-KY.-IND., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	21 863	82	74	895	4 941	177	232	86	24	283	266	139
Deliverymen and routemen	5 183	21	15	58	1 557	48	33	5	8	33	26	54
Truck drivers	9 713	56	54	107	730	82	176	22	16	100	97	85
Other transport equipment operatives	6 967	5	5	107	1 980	47	23	59	16	150	143	85
Labors, except farm	21 296	761	41	3 501	6 147	300	156	250	56	548	476	364
Freight, stock, and material handlers	9 802	6	29	3 343	3 105	176	79	77	11	248	202	250
Other specified laborers	8 284	744	6	3 384	1 181	61	26	25	10	107	93	48
Miscellaneous laborers	2 269	11	6	12	1 248	20	35	70	23	65	41	18
Not specified laborers	3 362	3 362	6	12	1 248	43	35	78	12	128	140	48
Farm workers	65 276	51	—	239	4 031	120	42	103	12	233	399	218
Service workers, including private household	13 375	36	—	115	2 544	71	35	61	3	164	233	126
Personal service workers	6 877	—	—	—	67	36	—	36	—	10	10	50
Guards and watchmen	1 921	—	—	15	598	—	—	—	—	—	—	—
Other service workers, including private household	43 103	15	—	58	822	13	—	6	5	30	102	37
Female employed	193 897	713	102	1 492	40 912	1 226	543	594	133	1 984	2 945	3 849
Professional, technical, and kindred workers	29 637	38	6	53	1 811	22	15	19	21	56	132	81
Accountants	2 012	—	—	17	259	6	—	5	10	21	11	34
Computer specialists	1 324	—	—	—	81	—	—	—	—	—	—	6
Life and physical scientists	5 587	—	6	—	112	—	5	9	6	9	11	5
Registered nurses, dietitians, and therapists	1 412	—	—	—	39	—	5	—	—	—	6	6
Social scientists	19 863	20	—	36	813	6	5	5	5	26	17	30
Writers, artists, and entertainers	5 734	15	5	51	458	18	15	11	4	36	55	17
Managers and administrators, except farm	4 917	11	5	45	447	18	15	11	4	36	35	17
Self-employed	15 926	9	—	40	573	6	12	—	—	18	24	25
Sales workers	72 674	99	50	995	16 161	384	193	220	63	878	1 671	1 105
Clerical and kindred workers	8 357	17	9	266	1 667	65	44	23	4	107	223	106
Bookkeepers	4 868	—	—	—	6	—	—	—	—	—	—	10
Cashiers	1 443	—	—	—	280	11	—	—	4	24	11	20
Counter clerks, except food	2 575	—	—	—	79	—	—	—	—	—	—	54
File clerks	4 143	—	4	15	1 215	4	9	10	4	34	61	83
Office machine operators	2 254	—	4	12	746	4	9	32	4	61	138	20
Bookkeeping and billing machine operators	19 027	5	9	47	291	5	—	4	—	22	16	5
Receptionists	838	28	9	6	5 405	91	87	59	30	354	648	409
Secretaries	7 632	12	18	91	194	—	—	—	—	4	22	9
stenographers	21 537	37	10	207	4 138	112	24	47	21	123	231	152
Other clerical and kindred workers	3 674	11	—	10	2 059	114	27	20	—	73	136	133
Foremen, n.e.c.	23 239	14	35	39	18 488	644	224	317	40	833	804	2 393
Operatives, except transport	3 468	—	—	—	3 289	150	25	40	5	265	297	926
Assemblers	2 239	—	—	—	2 239	32	39	46	—	77	119	392
Checkers, examiners, and inspectors, manufacturing	3 247	9	—	—	2 452	56	73	133	—	74	10	43
Packers and wrappers, except meat and produce	14 285	5	35	34	10 513	406	87	98	35	397	378	1 032
Other operatives, except transport	805	—	—	8	92	—	13	—	—	4	10	—
Transport equipment operatives	1 944	53	6	42	653	20	27	7	—	70	14	51
Laborers, except farm	460	460	—	—	—	—	—	—	—	—	—	—
Farm workers	39 804	14	—	57	617	18	17	—	5	16	99	44
Service workers, including private household	4 191	—	—	52	202	9	17	—	—	4	23	11
Personal service workers	4 544	—	—	30	30	—	—	—	—	—	5	5
Other service workers, including private household	31 069	5	—	5	385	9	—	—	5	12	69	28

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued						Nondurable goods						
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, not specified manufacturing
Total employed	13 883	12 030	380	241	12 995	14 897	694	4 199	6 979	15 209	16 491	4 654	7 647
Professional, technical, and kindred workers	606	4 308	61	65	1 099	974	10	125	388	1 188	4 024	437	549
Accountants	98	251	10	96	96	127	5	31	323	74	634	64	56
Architects	—	4	—	—	—	—	—	—	—	—	6	—	—
Computer specialists	11	186	—	—	18	30	—	6	27	90	122	13	6
Engineers	201	2 332	30	11	198	289	5	5	101	28	979	109	123
Chemical	24	16	—	—	13	70	—	—	13	—	477	16	27
Civil	4	10	—	—	—	4	—	—	—	—	38	—	9
Electrical and electronic	5	93	—	—	36	4	—	—	6	5	40	—	10
Industrial	104	310	—	11	42	90	5	5	22	17	142	46	22
Mechanical	42	520	19	22	22	42	5	4	14	14	162	—	14
Other engineers	22	1 383	11	—	95	78	—	—	18	6	120	38	41
Mathematical specialists	3	12	—	—	5	—	—	—	—	—	45	—	—
Life and physical scientists	—	52	—	—	44	94	—	—	—	3	666	19	—
Chemists	—	29	—	—	32	86	—	—	—	3	634	19	—
Personnel and labor relations workers	108	77	—	—	39	44	—	12	37	43	159	6	33
Social scientists	—	67	—	—	13	9	—	—	—	5	117	—	—
Engineering and science technicians	124	876	21	39	144	233	5	5	45	62	1 021	146	52
Draftsmen	—	305	16	6	29	46	—	—	16	21	73	37	21
Electrical and electronic engineering technicians	5	69	—	5	24	—	—	—	—	6	17	—	—
Industrial and mechanical engineering technicians	51	172	—	—	5	23	—	—	9	4	54	3	—
Technicians, except health, and engineering and science writers, artists, and engravers	18	170	—	10	22	12	—	—	5	812	193	5	43
Other professional, technical, and kindred workers	43	272	—	—	386	31	—	—	10	71	376	44	227
Managers and administrators, except farm	245	831	34	17	705	768	38	169	351	849	1 448	293	506
Buyers, purchasing agents, and sales managers	47	149	—	—	149	192	5	37	78	291	468	45	45
Other managers and administrators	198	682	28	17	557	576	33	132	273	648	201	248	441
Salaries	198	682	28	17	514	566	28	132	268	586	1 234	248	426
Self-employed	—	—	—	—	43	10	—	—	5	62	—	—	15
Sales workers	65	60	5	—	491	568	45	204	227	1 074	659	121	357
Clerical and kindred workers	853	1 794	38	56	1 872	1 689	88	722	736	3 653	3 443	741	1 402
Bookkeepers	40	96	—	6	165	297	19	52	87	312	317	43	87
Cashiers	14	—	—	—	4	20	—	8	—	5	—	—	19
Estimators and investigators, n.e.c.	13	22	—	—	12	8	—	10	15	42	28	—	23
Office machine operators	66	155	7	—	85	147	9	59	45	288	248	—	17
Shipping and receiving clerks	23	—	—	—	135	264	8	35	187	187	257	—	85
Stock clerks and storekeepers	158	226	4	9	88	335	6	48	94	112	357	—	70
Other clerical and kindred workers	466	1 272	27	41	1 383	866	47	447	480	2 736	2 480	450	1 046
Craftsmen and kindred workers	2 840	1 841	87	21	1 997	2 343	73	457	1 122	4 740	1 868	713	1 059
Blacksmiths, forgers, hammermen, and boilermakers	—	4	—	—	—	5	—	—	4	6	15	—	—
Brickmasons and stonemasons	—	—	—	—	—	4	—	—	—	—	5	—	—
Carpenters	27	—	—	—	33	19	—	—	—	11	41	—	—
Cranemen, derrickmen, and hoistmen	17	10	—	—	6	9	—	—	—	4	—	31	6
Electricians	169	73	—	—	26	81	—	—	67	35	113	39	27
Excavating, grading, and road machine operators	—	—	—	—	—	16	—	—	—	—	23	—	—
Foremen, n.e.c.	687	375	13	6	392	654	16	194	284	533	641	339	185
Mechanics and repairmen	809	415	35	5	162	619	31	31	278	266	444	68	68
Automobile, including body	584	24	4	—	—	89	—	—	10	10	17	—	5
Machinists, job setters, and toolmakers	584	541	5	5	68	81	—	4	99	29	136	51	71
Metal craftsmen, except mechanics and machinists	204	212	—	5	114	19	—	—	51	20	57	—	49
Painters, construction and maintenance, and plasterers and paperhangers	38	10	—	—	21	17	—	—	—	5	143	—	24
Plumbers and pipe fitters	57	98	6	—	48	38	—	—	25	3	19	10	24
Printing craftsmen	5	—	—	—	—	105	—	—	24	10	136	—	20
Stationary engineers and power station operators	42	24	—	—	—	631	—	—	34	61	86	49	548
Other craftsmen and kindred workers	199	79	—	—	1 115	—	16	198	—	—	—	—	—
Operative, except transport	7 959	2 856	132	73	5 635	5 038	349	2 315	3 402	2 864	3 577	2 007	3 016
Assemblers, examiners, and inspectors; manufacturing	3 436	606	8	11	1 033	228	17	17	99	108	301	90	116
Checkers, packers, and buffers	916	695	—	—	194	318	—	—	201	360	301	267	279
Filers, polishers, sanders, and buffers	203	40	—	6	127	33	—	—	—	12	30	20	15
Painters, manacored articles	323	—	5	—	74	—	—	—	—	—	—	14	—
Pressmen, machine operators	919	607	—	—	130	—	—	—	—	—	—	23	40
Welders and flame cutters	587	281	57	—	165	29	—	—	17	25	32	6	27
Other specified operatives	559	319	31	11	3 006	2 905	317	1 780	1 030	1 113	1 069	414	1 020
Machine operatives, miscellaneous specified	260	147	25	10	44	872	—	—	1 947	443	792	721	318
Machine operatives, not specified	240	127	—	4	126	311	—	—	117	305	647	189	58
Miscellaneous operatives	190	64	6	—	23	311	—	148	308	379	202	172	172
Not specified operatives	96	50	—	19	109	190	—	87	122	70	137	146	46

Table 160. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

Manufacturing—Continued

	Durable goods—Continued						Nondurable goods						Other nondurable goods, including goods not specified in manufacturing	
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods		Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products		Rubber and miscellaneous plastic products
Total employed—Continued														
Transport equipment operatives														
Deliverymen and routemen	365	42	—	—	384	—	1 726	43	16	314	205	312	61	266
Truck drivers	21	—	—	—	83	—	1 162	6	6	10	111	8	—	5
Other transport equipment operatives	74	25	—	—	68	—	300	16	10	68	89	144	14	75
	270	17	—	—	233	—	284	19	—	236	25	160	47	186
Laborers, except farm														
Freight, stock, and material handlers	476	125	12	5	420	—	1 154	34	146	330	365	420	210	290
Other specified laborers	251	4	4	—	144	—	758	6	126	171	294	233	130	132
Miscellaneous laborers	127	15	—	—	214	—	171	10	4	42	28	74	17	109
Not specified laborers	14	2	3	—	9	—	35	5	—	21	5	5	18	5
	84	67	5	5	53	—	190	13	16	96	38	108	45	44
Farm workers														
Service workers, including private household	474	163	11	4	392	—	637	14	45	109	251	540	71	202
Cleaning service workers	339	93	11	—	184	—	430	5	36	99	166	379	47	60
Personal service workers	5	—	—	—	12	—	7	—	5	—	9	9	—	—
Guard and watchmen	54	58	—	4	9	—	120	9	—	—	38	46	24	22
Other service workers, including private household	76	12	—	—	187	—	80	—	—	10	38	106	—	120
	594	1 661	61	79	3 943	—	3 552	254	2 923	1 652	6 163	4 283	1 461	3 014
Female employed														
Professional, technical, and kindred workers														
Accountants	54	188	—	10	52	—	156	5	29	24	395	476	30	46
Computer specialists	6	36	—	—	—	—	38	5	6	11	24	20	10	16
Life and physical scientists	—	27	—	—	—	—	14	—	—	5	9	28	—	—
Registered nurses, dietitians, and therapists	33	6	—	—	—	—	8	—	—	—	3	59	—	—
Social scientists	—	—	—	—	—	—	25	—	—	—	—	14	—	—
Writers, artists, and entertainers	—	5	—	—	—	—	4	—	—	—	—	13	—	—
Other professional, technical, and kindred workers	15	111	—	10	41	—	62	—	18	—	311	11	4	10
Managers and administrators, except farm														
Self-employed	—	10	6	—	31	—	34	—	40	15	57	71	5	33
	—	10	6	—	31	—	—	—	40	15	53	64	5	33
	—	—	—	—	—	—	—	—	—	—	4	7	—	—
Sales workers														
Clerical and kindred workers	272	1 025	19	37	1 290	—	969	70	600	444	2 900	2 473	485	1 063
Bookkeepers	24	50	—	6	128	—	205	19	52	64	268	191	30	58
Cashiers	14	6	—	—	4	—	6	—	8	—	5	—	—	15
Counter clerks, except food	—	10	—	—	—	—	15	—	36	6	6	29	6	19
File clerks	—	19	—	5	30	—	16	—	70	9	25	103	15	46
Office machine operators	34	84	7	—	63	—	131	18	48	38	255	148	32	49
Bookkeeping and billing machine operators	—	—	—	—	76	—	223	9	48	—	7	10	—	—
Receptionists	4	10	—	—	4	—	5	—	13	—	—	53	—	5
Secretaries	97	628	4	5	293	—	288	10	103	106	569	1 230	181	208
Stenographers	41	55	3	6	12	—	20	—	85	—	9	85	—	15
Typists	58	164	—	15	526	—	214	14	103	69	637	241	65	74
Other clerical and kindred workers	—	—	—	—	—	—	—	—	206	134	824	393	134	574
Craftsman and kindred workers														
Foremen, n.e.c.	19	69	10	—	141	—	158	—	175	52	620	47	33	232
	—	—	5	—	56	—	71	—	92	16	121	42	23	41
Operatives, except transport														
Assemblers	198	364	26	32	2 242	—	2 021	167	1 944	1 098	1 763	1 013	849	1 516
Checkers, examiners, and inspectors; manufacturing	98	88	3	—	727	—	160	—	17	23	86	233	24	70
Packers and wrappers, except meat and produce	34	160	—	5	105	—	132	5	121	152	340	150	182	100
Other operatives, except transport	66	65	26	24	1 278	—	627	156	1 718	799	1 136	329	554	302
Transport equipment operatives														
Laborers, except farm	—	—	—	—	9	—	25	—	—	11	14	3	3	—
Farm workers														
Service workers, including private household	48	5	—	—	74	—	63	—	—	—	59	117	8	44
Cleaning service workers	11	—	—	—	34	—	32	—	—	—	20	39	—	—
Personal service workers	—	—	—	—	6	—	—	—	—	—	9	5	—	—
Other service workers, including private household	37	5	—	—	34	—	31	—	—	—	30	73	8	44

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking and warehousing	Other transportation	Communi-cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
Total employed	5 889	9 916	4 893	7 838	8 300	24 751	16 145	13 804	9 636	17 355	24 921	10 249	15 338
Professional, technical, and kindred workers													
Accountants	88	153	185	1 302	822	1 145	465	246	78	201	1 322	723	613
Architects	18	80	64	72	54	40	53	60	54	34	1 148	213	240
Computer specialists	—	—	—	6	—	—	—	—	—	—	—	—	—
Engineers	23	5	18	102	29	48	20	20	—	4	16	136	39
Chemical	—	—	—	404	273	29	19	37	6	5	60	66	24
Civil	—	—	—	—	5	6	—	—	—	—	—	—	—
Electrical and electronic	17	—	5	5	43	6	5	15	—	—	6	5	8
Industrial	—	5	5	340	142	36	—	—	—	—	—	—	—
Mechanical	—	5	8	29	18	98	4	11	—	5	5	46	—
Other engineers	6	—	4	26	16	34	10	11	6	—	34	15	11
Mathematical specialists	—	—	—	—	49	335	10	11	—	—	—	—	—
Life and physical scientists	5	—	5	—	21	24	11	5	—	—	—	35	—
Chemists	—	—	5	—	—	—	—	—	—	—	—	—	—
Physicians and labor relations workers	—	—	5	—	24	24	—	5	—	—	—	—	—
Social scientists	11	18	13	89	50	24	128	44	5	10	40	86	43
Engineering and science technicians	10	5	10	155	18	26	10	15	—	—	6	29	49
Draftsmen	—	—	5	78	201	107	8	15	5	—	14	10	15
Electrical and electronic engineering technicians	6	—	5	48	133	50	8	15	5	—	4	—	—
Industrial and mechanical engineering technicians	—	—	—	78	32	11	—	—	—	—	5	—	—
Mechanics and mechanical engineering technicians	—	—	—	105	18	14	6	—	—	—	—	—	—
Technicians, except health, and engineering and science	5	20	53	307	28	85	138	22	8	148	94	61	12
Writers, artists, and entertainers	16	14	13	57	124	84	72	58	—	—	940	87	158
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm	799	557	344	490	323	3 102	1 714	1 628	1 436	2 040	2 949	912	2 600
Buyers, purchasing agents, and sales managers	25	35	14	16	1 049	1 069	993	377	134	28	2 213	126	35
Other managers and administrators	774	522	330	330	313	2 033	771	1 251	1 302	2 012	2 213	786	2 565
Salaried	—	467	295	463	289	1 788	661	550	811	1 238	1 611	774	2 414
Self-employed	—	55	35	11	24	245	60	52	491	1 238	602	12	151
Sales workers	67	164	56	180	107	5 684	7 649	3 025	1 752	326	9 492	3 506	2 688
Clerical and kindred workers	1 171	1 645	1 180	3 674	1 652	6 212	3 564	3 582	923	1 061	4 413	4 791	7 039
Bookkeepers	40	126	72	125	133	1 162	410	340	373	136	4 063	360	1 136
Cashiers	8	18	24	24	20	44	794	2 271	38	651	667	46	139
Estimators and investigators, n.e.c.	38	40	24	89	117	45	147	4	40	36	36	141	244
Office machine operators	53	24	14	139	67	271	212	130	10	16	48	331	455
Shipping and receiving clerks	27	213	41	18	18	641	224	72	5	16	190	26	16
Stock clerks and storekeepers	91	63	23	23	80	371	303	271	38	11	232	26	10
Other clerical and kindred workers	914	1 151	1 006	3 253	1 235	3 678	1 474	494	419	160	2 177	3 887	5 029
Craftsmen and kindred workers	1 964	932	542	1 980	2 740	2 275	745	640	2 327	128	2 079	56	496
Blacksmiths, forgers, hammermen, and boiler-makers	—	—	—	—	30	14	—	—	—	—	—	—	7
Brickmasons and stonemasons	—	—	—	—	35	—	—	—	—	—	—	—	—
Carpenters	33	10	21	11	33	—	33	5	11	6	93	—	74
Cranemen, derrickmen, and hoistmen	27	—	10	—	38	—	—	—	—	—	—	—	6
Electricians	36	—	20	20	172	46	13	6	—	—	16	—	20
Excavating, grading, and road machine operators	23	6	—	—	71	6	—	—	—	—	—	—	—
Foremen, n.e.c.	246	337	48	96	379	6	199	77	90	28	192	29	72
Mechanics and repairmen	496	487	404	145	641	922	275	83	2 147	28	444	3	85
Automobile, including body	5	454	214	59	61	161	21	27	2 083	9	22	—	5
Mechanics and kindred workers	24	—	6	—	30	66	5	12	—	—	3	—	8
Machinists, job setters, and toolmakers	—	—	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	5	4	—	—	5	46	—	—	—	—	21	—	7
Painters, construction and maintenance, and plasterers and paperhangers	11	11	5	5	15	13	11	—	27	5	32	—	118
Plumbers and pipe fitters	46	—	4	24	114	47	—	11	5	7	49	—	21
Printing craftsmen	—	—	—	17	—	25	21	10	—	5	20	—	14
Stationary engineers and power station operators	19	—	5	—	426	5	—	5	—	—	—	7	13
Other craftsmen and kindred workers	998	77	19	1 646	786	359	183	431	47	49	1 239	12	24
Operatives, except transport	178	108	182	11	566	1 961	419	1 818	2 492	104	1 019	57	46
Assemblers	15	—	5	—	15	91	23	—	—	—	56	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Printers, machine operators, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Precisors, machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	3	—	3	—	22	48	—	—	—	—	—	—	—
Other specified operatives	37	6	10	11	64	126	—	—	—	—	8	—	—
Machine operatives, miscellaneous specified	78	72	51	—	241	1 139	347	1 639	2 340	91	784	57	32
Machine operatives, not specified	17	5	5	—	81	245	25	5	32	8	62	—	—
Miscellaneous operatives	—	—	—	—	21	50	—	5	—	—	14	—	—
Not specified operatives	20	25	108	—	101	150	18	80	21	5	45	—	4
	9	—	—	—	21	73	6	37	19	—	40	—	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Retail trade										Finance and real estate		
	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places		Other retail trade	Insurance
Total employed—Continued													
Transport equipment operatives	1 080	5 378	2 078	33	946	2 377	267	580	282	90	1 190	7	72
Deliverymen and routemen	32	487	20	5	25	1 102	224	297	121	13	13	—	13
Truck drivers	32	4 800	11	17	410	893	97	209	124	31	330	—	36
Other transport equipment operatives	1 048	91	2 047	11	511	282	16	74	37	20	144	7	23
Laborers, except farm													
Freight, stock, and material handlers	314	909	152	49	824	1 666	409	1 995	261	87	920	18	355
Other specified laborers	100	827	104	15	373	1 265	375	1 906	122	48	480	9	12
Miscellaneous laborers	23	42	28	14	266	180	16	34	186	—	319	4	246
Miscellaneous laborers	140	4	13	5	132	105	6	—	—	—	34	—	43
Not specified laborers	51	36	9	15	53	156	12	55	53	39	67	5	51
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household													
Cleaning service workers	228	70	174	119	320	409	913	290	85	13 318	1 537	179	1 439
Personal service workers	55	51	59	96	199	272	201	112	71	344	247	124	1 015
Guards and watchmen	35	15	4	4	—	4	121	14	—	184	48	—	117
Other service workers, including private household	13	4	20	11	32	46	75	5	—	—	25	15	78
Other service workers, including private household	125	—	31	8	89	87	516	159	9	12 790	1 217	40	229
Female employed	305	866	1 230	3 777	1 146	5 980	11 292	5 560	1 003	10 452	11 484	4 910	7 610
Professional, technical, and kindred workers													
Accountants	5	26	30	238	61	176	250	72	20	84	240	210	179
Computer specialists	—	13	11	11	11	80	36	15	16	15	59	89	51
Life and physical scientists	—	6	—	33	11	16	10	6	—	—	4	34	14
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	6	—	10	9	12	—	—	5	—	14
Writers, artists, and entertainers	—	—	—	72	—	6	5	—	—	—	—	—	—
Other professional, technical, and kindred workers	5	5	19	114	35	27	99	4	4	69	—	9	24
Managers and administrators, except farm	20	17	48	59	12	174	678	294	51	552	755	163	409
Salaried	20	12	48	59	12	155	657	143	36	570	570	163	389
Self-employed	—	5	—	—	—	19	21	151	15	207	185	—	20
Sales workers	—	5	12	78	7	258	6 099	1 792	74	158	4 931	321	812
Clerical and kindred workers	246	711	682	3 314	865	4 359	2 999	2 686	723	912	3 574	4 095	5 614
Bookkeepers	7	84	33	83	110	270	80	395	270	183	916	342	978
Cashiers	4	8	—	24	15	33	763	1 991	32	583	597	46	99
Counter clerks, except food	4	11	4	4	14	134	62	11	5	8	54	—	5
File clerks	10	32	6	108	13	199	123	84	34	—	283	283	154
Office machine operators	7	19	9	117	47	232	193	71	10	5	351	208	154
Bookkeeping and billing machine operators	—	6	—	15	15	74	24	5	10	—	43	—	72
Receptionists	—	9	14	5	—	87	24	5	20	6	4	—	—
Secretaries	75	176	57	219	112	377	288	126	128	60	531	1 157	1 242
Stenographers	30	103	8	43	19	59	8	—	8	—	18	66	32
Typists	25	269	36	177	100	940	1 038	15	94	12	166	724	548
Other clerical and kindred workers	84	269	527	2 435	457	477	1 038	177	122	55	1 124	1 199	2 123
Craftsmen and kindred workers	14	5	11	38	29	55	163	87	25	39	406	7	30
Foremen, n.e.c.	5	—	—	7	5	5	106	1	11	4	37	7	11
Operatives, except transport	—	13	5	—	23	544	346	362	66	63	513	12	7
Assemblers	—	—	—	—	—	32	23	—	—	—	31	—	—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	223	161	117	—	52	67	6	—
Other operatives, except transport	—	—	—	—	—	289	162	245	66	11	415	6	7
Transport equipment operatives	5	55	415	—	23	31	27	5	12	9	49	—	—
Laborers, except farm	—	15	—	14	—	288	75	157	9	11	159	10	31
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	15	19	27	36	126	95	655	105	23	8 624	857	92	528
Cleaning service workers	15	19	4	24	54	44	50	6	23	64	91	60	395
Personal service workers	—	—	11	4	—	4	105	40	—	11	—	—	—
Other service workers, including private household	—	—	12	8	72	47	500	99	—	8 463	726	32	122

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

CINCINNATI, OHIO-KY.-IND., SMSA

Occupation	Business services	Repair services	Hotels and lodging places	Other personal services including private household	Entertainment and recreation services	Hospitals	Health services except hospitals	Educational services government	Educational services private	Welfare, religious, and nonprofit organizations	Other professional related services	Public administration
Total employed	9 281	6 971	3 239	18 437	4 378	19 012	10 869	22 504	12 109	8 845	12 165	22 962
Professional, technical, and kindred workers.....	1 691	192	72	476	856	6 880	3 891	14 310	7 322	3 368	6 577	3 991
Architects.....	134	12	33	—	23	50	11	30	22	57	391	1 624
Computer specialists.....	128	11	—	—	—	5	6	5	31	12	107	65
Engineers.....	163	20	10	6	—	23	92	35	44	29	747	376
Chemical.....	21	—	—	—	—	—	—	—	6	—	46	23
Civil.....	9	—	—	—	—	—	28	17	—	6	222	116
Electrical and electronic.....	10	—	4	—	—	3	21	2	6	—	58	18
Industrial.....	61	6	—	—	—	5	6	—	—	—	32	57
Mechanical.....	4	—	6	—	—	7	7	—	—	—	140	41
Other engineers.....	58	14	—	6	—	15	30	29	32	23	226	61
Mathematical specialists.....	—	—	—	—	—	—	—	—	5	12	—	41
Life and physical scientists.....	69	—	—	—	—	53	11	60	22	—	5	284
Chemists.....	24	—	—	—	—	78	57	31	16	—	58	122
Personnel and labor relations workers.....	242	8	5	21	12	10	30	16	30	—	24	315
Social scientists.....	79	—	—	—	47	30	30	29	29	30	61	280
Engineering and science technicians.....	297	16	—	—	10	35	18	39	54	12	67	482
Draftsmen.....	57	—	—	—	—	5	—	4	—	—	19	40
Electrical and electronic engineering technicians.....	21	5	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians.....	31	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science.....	347	5	19	33	—	39	6	85	101	31	537	196
Writers, artists, and entertainers.....	175	104	5	289	554	6 530	3 638	13 892	6 994	2 868	3 160	746
Other professional, technical, and kindred workers.....	933	586	271	763	365	431	308	1 055	692	712	362	1 830
Managers and administrators, except farm.....	79	24	6	25	6	63	17	10	17	10	29	66
Buyers, purchasing agents, and sales managers.....	854	377	271	738	359	638	291	1 055	675	702	333	1 764
Other managers and administrators.....	680	377	184	468	368	368	273	1 055	646	694	304	1 764
Salaries.....	174	—	87	270	91	—	18	—	29	8	—	—
Self-employed.....	558	171	31	298	155	24	35	44	67	94	142	35
Sales workers	3 276	895	543	1 344	779	2 893	1 986	3 277	1 607	2 369	3 099	10 540
Clerical and kindred workers.....	317	182	94	156	119	159	156	100	78	179	363	334
Bookkeepers.....	10	—	—	—	—	—	—	—	—	—	—	—
Cashiers.....	157	86	46	82	219	108	213	130	46	18	14	59
Estimators and investigators, n.e.c.....	10	—	—	—	—	—	—	—	—	—	—	—
Office machine operators.....	324	12	6	16	8	20	—	7	7	—	54	176
Shipping and receiving clerks.....	27	32	—	12	11	53	4	100	36	84	145	1 067
Stock clerks and storekeepers.....	39	9	16	10	31	31	4	—	8	4	14	9
Other clerical and kindred workers.....	2 402	545	381	1 060	421	2 059	1 769	2 924	1 425	2 064	2 492	8 831
Craftsmen and kindred workers	603	3 442	108	371	318	500	251	367	193	194	215	890
Blacksmiths, farriers, hammermen, and boilermakers.....	—	—	6	—	—	—	—	3	—	—	—	6
Brickmasons and stonemasons.....	27	6	16	24	—	70	—	39	19	20	25	41
Carpenters.....	—	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistsmen.....	—	—	6	9	11	55	—	10	28	36	5	41
Electricians.....	6	24	—	—	—	—	—	6	—	—	4	33
Excavating, grading, and road machine operators.....	3	—	—	36	7	60	—	46	15	—	39	180
Furniture, nec.....	79	42	32	—	—	60	—	113	28	32	26	410
Mechanics and repairmen.....	957	2 872	5	145	145	60	33	36	10	17	4	167
Miscellaneous.....	10	1 815	—	15	—	—	4	—	—	—	—	4
Machinists, job setters, and toolmakers.....	—	19	—	—	—	5	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists.....	5	11	17	—	—	—	—	—	—	—	—	15
Painters, construction and maintenance, and plasterers and paperhangers.....	35	—	—	30	5	41	4	33	19	4	4	30
Plumbers and pipe fitters.....	6	—	—	6	—	47	—	5	9	9	36	30
Printing craftsmen.....	—	—	—	—	—	—	—	15	20	5	5	18
Stationary engineers and power station operators.....	—	—	—	—	—	64	—	64	41	29	5	35
Other craftsmen and kindred workers.....	186	396	26	207	147	92	214	56	45	40	92	35
Operatives, except transport	569	500	141	1 962	64	485	128	126	104	269	122	302
Assemblers.....	25	20	—	16	—	—	6	5	5	35	13	35
Checkers, examiners, and inspectors; manufacturing.....	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers.....	—	21	—	—	—	5	4	—	—	—	—	6
Painters, manufactured articles.....	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives.....	11	14	—	—	—	—	—	4	—	—	—	—
Welders and flamecutters.....	12	101	—	15	—	—	—	—	—	—	—	17
Other specified operatives.....	295	177	130	1 876	50	418	106	95	56	119	84	154
Machine operatives, miscellaneous specified.....	12	32	5	21	10	27	5	—	10	—	11	34
Machine operatives, not specified.....	44	5	6	4	4	18	5	—	7	29	11	44
Miscellaneous operatives.....	152	36	6	4	4	31	7	16	33	4	4	36
Not specified operatives.....	18	22	—	26	—	4	7	6	—	6	10	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Detailed Characteristics	Cincinnati, Ohio-KY-IND., SMSA—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives	129	376	5	455	28	72	28	62	44	64	40	288
Deliverymen and routemen	39	17	5	337	5	10	—	4	4	4	5	28
Truck drivers	71	99	4	44	4	20	—	33	16	41	5	276
Other transport equipment operatives	19	260	—	74	19	23	—	25	24	13	30	44
Laborers, except farm	153	489	62	477	305	147	37	71	64	108	141	813
Freight, stock, and material handlers	43	6	20	84	20	59	14	5	16	48	6	482
Other specified laborers	43	444	36	296	251	67	9	40	34	46	129	241
Miscellaneous laborers	5	29	—	5	—	—	—	7	—	—	—	8
Not specified laborers	62	10	26	92	34	21	23	10	14	4	6	82
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	1 269	330	2 006	12 291	1 508	7 580	4 205	3 192	2 016	1 667	1 447	4 273
Cleaning service workers	801	789	370	260	330	1 136	949	1 424	831	704	145	528
Personal service workers	97	41	370	4 236	482	195	7	192	232	271	163	363
Guards and watchmen	483	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	70	182	814	7 795	705	6 162	3 549	1 555	948	451	1 265	3 412
Female employed	4 295	1 091	1 914	13 880	1 556	14 623	7 589	14 399	7 814	4 702	5 555	7 735
Professional, technical, and kindred workers	474	43	74	197	273	5 295	1 608	9 115	4 790	1 333	1 471	1 825
Accountants	21	5	9	—	18	27	—	15	7	10	121	1 069
Computer specialists	7	—	—	—	—	—	—	—	—	—	30	8
Life and physical scientists	10	—	—	—	4	38	—	10	17	—	16	35
Registered nurses, dietitians, and therapists	17	—	—	88	—	3 877	1 137	118	67	51	34	37
Social scientists	17	—	—	—	—	47	19	14	20	—	—	15
Writers, artists, and entertainers	99	—	—	68	76	22	33	36	36	181	124	124
Other professional, technical, and kindred workers	285	34	5	41	175	1 284	446	8 918	4 649	1 071	1 146	361
Managers and administrators, except farm	175	40	94	193	82	180	113	274	291	162	76	293
Salaries	164	30	55	125	27	180	107	274	286	162	76	293
Self-employed	11	10	39	68	—	—	6	—	5	—	—	—
Sales workers	199	62	16	188	75	24	16	19	15	47	80	16
Clerical and kindred workers	2 255	580	356	1 255	519	2 591	1 948	2 981	1 356	2 091	2 752	5 435
Bookkeepers	287	142	73	142	73	143	198	70	39	155	285	230
Cashiers	30	53	45	108	19	118	117	41	18	18	7	28
Counter clerks, except food	30	53	45	509	19	118	117	41	18	18	7	28
File clerks	139	21	65	21	13	123	20	57	26	58	15	346
Office machine operators	281	12	—	16	4	47	20	60	70	70	109	982
Bookkeeping and billing machine operators	23	5	—	—	—	21	—	—	12	12	13	20
Receptionists	107	5	—	98	23	277	638	101	5	78	65	57
Secretaries	652	106	55	108	718	718	829	1 280	592	1 101	1 284	750
Stenographers	14	4	—	—	—	36	10	48	36	36	43	157
Typists	529	27	23	69	35	267	123	204	154	302	159	894
Other clerical and kindred workers	712	220	89	215	103	757	130	1 006	391	273	781	1 981
Craftsman and kindred workers	44	95	6	68	—	71	38	40	63	15	13	24
Foremen, n.e.c.	16	4	—	13	—	17	—	—	11	10	—	26
Operatives, except transport	217	46	104	1 450	49	352	87	23	52	155	50	124
Assemblers	6	6	—	—	—	—	6	5	—	29	3	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	84	—	—	38	6	7	—	—	—	9	—	—
Other operatives, except transport	127	40	104	1 412	43	345	81	18	52	117	47	102
Transport equipment operatives	5	30	—	9	4	16	—	—	7	9	—	4
Laborers, except farm	28	63	—	112	38	58	8	4	15	17	26	52
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	398	142	1 324	10 408	507	6 036	3 771	1 893	1 225	873	1 047	270
Cleaning service workers	320	53	611	332	46	213	332	204	44	358	44	65
Personal service workers	9	33	265	2 973	101	131	93	174	204	213	16	28
Other service workers, including private household	69	56	448	7 264	360	5 223	3 346	1 506	813	502	1 007	177

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

CLEVELAND SMSA

Total employed	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
					Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies								
828 585	6 062	1 787	37 947	292 972	3 644	4 929	21 748	9 880	35 096	48 108	28 416	4 590	4 590	4 590	4 590	4 590	4 590
122 474	312	348	1 745	30 402	122	579	1 737	718	2 569	5 987	4 590	4 590	4 590	4 590	4 590	4 590	4 590
9 058	10	192	18	3 198	30	91	1 199	84	2 445	5	5	5	5	5	5	5	5
736	49	39	54	18	9	25	59	51	61	346	208	208	208	208	208	208	208
3 035	5	59	896	10 032	5	192	541	174	936	2 536	1 964	1 964	1 964	1 964	1 964	1 964	1 964
16 427	10	59	19	10 032	5	26	9	20	13	13	13	13	13	13	13	13	13
859	19	569	19	753	5	5	33	33	9	9	9	9	9	9	9	9	9
1 492	—	—	63	1 41	—	—	—	—	—	—	—	—	—	—	—	—	—
2 975	—	—	63	1 41	—	—	—	—	—	—	—	—	—	—	—	—	—
2 905	—	—	14	2 279	—	—	—	—	—	—	—	—	—	—	—	—	—
2 807	—	—	102	2 279	—	—	—	—	—	—	—	—	—	—	—	—	—
5 389	10	44	129	3 125	5	77	225	105	371	844	185	185	185	185	185	185	185
254	—	—	—	91	—	—	—	—	6	9	—	—	—	—	—	—	—
2 631	33	16	11	1 594	—	27	148	7	39	9	—	—	—	—	—	—	—
2 070	—	16	11	1 478	—	27	142	86	33	47	115	115	115	115	115	115	115
3 515	6	22	16	1 478	—	27	142	9	102	156	168	168	168	168	168	168	168
2 282	—	5	10	478	5	26	52	17	32	79	69	69	69	69	69	69	69
10 195	—	19	369	6 509	44	134	416	197	518	1 491	1 215	1 215	1 215	1 215	1 215	1 215	1 215
4 623	—	9	273	2 890	44	53	90	47	344	1 170	441	441	441	441	441	441	441
538	—	—	27	879	—	10	25	5	18	18	18	18	18	18	18	18	18
1 514	—	—	20	451	—	10	10	16	52	75	29	29	29	29	29	29	29
956	58	5	99	2 828	13	50	43	23	351	10	5	5	5	5	5	5	5
8 051	141	31	73	3 229	16	24	188	60	324	351	263	263	263	263	263	263	263
66 334	—	—	—	3 229	16	24	188	60	324	351	263	263	263	263	263	263	263
64 959	104	201	3 670	16 933	268	443	630	538	2 285	3 155	1 679	1 679	1 679	1 679	1 679	1 679	1 679
1 155	104	34	3 468	4 075	192	109	147	107	474	3 155	1 679	1 679	1 679	1 679	1 679	1 679	1 679
53 804	104	167	4 688	12 858	167	319	483	431	1 811	2 393	1 201	1 201	1 201	1 201	1 201	1 201	1 201
47 642	60	167	2 705	12 439	167	319	483	431	1 811	2 393	1 201	1 201	1 201	1 201	1 201	1 201	1 201
6 142	44	—	763	419	25	15	—	—	30	102	11	11	11	11	11	11	11
63 774	53	24	671	8 514	206	214	248	132	712	1 144	473	473	473	473	473	473	473
163 855	226	486	2 999	42 718	526	696	2 749	1 034	5 248	7 103	4 489	4 489	4 489	4 489	4 489	4 489	4 489
16 148	81	42	2 999	4 227	78	92	2 298	1 129	5 444	7 103	4 489	4 489	4 489	4 489	4 489	4 489	4 489
8 467	5	10	26	148	11	52	92	54	4	24	9	9	9	9	9	9	9
3 786	—	3	471	2 911	20	17	37	11	113	97	59	59	59	59	59	59	59
7 789	6	26	44	2 911	20	17	37	11	113	97	59	59	59	59	59	59	59
5 796	5	4	18	3 234	45	58	211	126	315	511	293	293	293	293	293	293	293
5 625	29	29	63	2 892	19	25	157	47	382	661	391	391	391	391	391	391	391
116 244	129	372	1 795	28 722	303	499	1 880	615	3 320	4 670	3 031	3 031	3 031	3 031	3 031	3 031	3 031
121 235	211	279	21 981	61 635	822	763	7 171	2 640	8 215	10 689	4 069	4 069	4 069	4 069	4 069	4 069	4 069
25	—	—	39	1 044	—	10	334	85	384	96	—	—	—	—	—	—	—
1 893	—	—	1 562	267	—	10	193	26	17	5	—	—	—	—	—	—	—
5 495	45	20	4 271	1 885	127	33	94	86	42	86	36	36	36	36	36	36	36
2 990	6	15	2 597	1 885	6	16	365	90	211	174	32	32	32	32	32	32	32
1 448	17	31	1 002	2 239	—	—	92	16	90	448	292	292	292	292	292	292	292
19 391	60	97	1 002	13 689	145	264	1 417	631	1 910	410	1 288	1 288	1 288	1 288	1 288	1 288	1 288
29 491	22	97	1 002	9 394	48	165	760	326	624	910	1 157	1 157	1 157	1 157	1 157	1 157	1 157
8 492	1	12	92	3 366	—	—	32	48	43	26	9	9	9	9	9	9	9
15 157	5	—	20	14 621	23	81	672	603	3 102	5 142	982	982	982	982	982	982	982
5 937	—	5	655	4 964	—	—	1 401	495	873	219	683	683	683	683	683	683	683
3 323	4	6	2 324	2 248	—	—	3	9	40	37	219	219	219	219	219	219	219
4 562	6	6	2 711	1 198	—	—	257	49	113	142	40	40	40	40	40	40	40
5 026	6	6	4 619	4 619	—	—	17	5	51	56	52	52	52	52	52	52	52
1 839	—	21	35	659	—	—	188	43	188	60	35	35	35	35	35	35	35
23 729	46	9	4 490	6 931	433	78	484	158	608	315	328	328	328	328	328	328	328
130 647	133	288	1 588	107 998	1 360	1 610	6 331	3 741	13 608	17 598	11 678	11 678	11 678	11 678	11 678	11 678	11 678
13 717	19	5	36	13 237	242	89	3 231	85	3 308	17 598	3 321	3 321	3 321	3 321	3 321	3 321	3 321
70 664	—	—	—	10 664	68	246	490	381	1 648	1 594	1 594	1 594	1 594	1 594	1 594	1 594	1 594
1 956	—	—	—	20	16	16	65	65	368	301	136	136	136	136	136	136	136
1 516	—	—	—	38	38	38	36	62	207	237	206	206	206	206	206	206	206
13 636	—	—	56	13 304	35	48	559	268	1 744	6 280	779	779	779	779	779	779	779
7 069	—	—	364	5 882	86	59	560	93	3 351	1 476	648	648	648	648	648	648	648
50 528	89	273	968	33 136	511	415	1 932	1 152	3 636	1 757	2 023	2 023	2 023	2 023	2 023	2 023	2 023
12 497	16	5	39	11 720	80	428	1 008	789	3 335	1 925	1 067	1 067	1 067	1 067	1 067	1 067	1 067
9 346	16	4	16	8 870	16	95	349	284	1 398	1 526	800	800	800	800	800	800	800
6 110	—	—	40	4 943	70	154	726	336	506	474	526	526	526	526	526	526	526
3 608	5	—	49	3 120	59	39	431	150	394	352	376	376	376	376	376	376	376

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Occupation	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
CLEVELAND SMSA													
Total employed	33 174	8 721	548	2 563	23 134	7 975	2 961	7 789	4 385	16 408	17 254	7 722	8 517
Professional, technical, and kindred workers	2 183	1 441	38	465	1 924	329	137	257	219	1 784	3 438	792	912
Architects	359	126	13	70	141	70	5	28	41	84	377	70	104
Computer specialists	84	37	5	6	35	18	—	32	68	35	114	16	67
Engineers	790	714	6	165	424	61	57	41	—	42	818	275	223
Chemical	—	13	—	—	—	10	5	—	—	—	23	5	12
Civil	12	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	275	51	—	14	74	37	6	5	9	31	119	51	19
Industrial	375	216	—	48	96	4	12	22	30	5	35	5	25
Mechanical	84	361	—	37	47	4	—	—	10	6	128	112	103
Other engineers	105	350	6	66	202	10	11	14	10	—	—	—	—
Mathematical specialists	16	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	25	31	—	12	32	21	12	4	5	15	10	105	9
Chemists	23	21	—	16	22	22	12	—	5	5	822	105	32
Physicists	2	10	—	—	10	—	—	—	—	—	—	—	—
Personnel and labor relations workers	160	49	—	30	215	24	3	35	25	45	127	35	46
Social scientists	32	5	—	6	25	10	—	9	20	25	42	19	20
Engineering and science technicians	430	325	5	81	287	50	50	12	31	50	901	165	107
Draftsmen	230	129	5	11	116	10	11	12	8	9	60	5	16
Electrical and electronic engineering technicians	10	44	—	11	75	—	—	—	—	11	16	—	6
Industrial and mechanical engineering technicians	85	45	—	9	75	—	—	—	—	—	28	—	5
Technicians, except health, and engineering and science	79	10	—	—	5	—	—	—	—	—	8	—	6
Writers, artists, and entertainers	210	49	7	56	154	11	5	69	15	1 386	94	60	31
Other professional, technical, and kindred workers	—	95	—	30	796	54	5	27	19	97	325	60	264
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	780	366	79	154	1 121	612	100	358	254	1 321	1 748	486	556
Office managers and administrators	240	88	10	47	175	119	30	55	72	397	504	74	131
Salaried	540	278	69	107	946	485	90	303	182	924	1 244	355	482
Self-employed	—	—	7	107	909	8	90	273	182	835	1 230	351	445
Sales workers	158	73	4	—	584	533	104	256	237	1 766	918	155	597
Clerical and kindred workers	3 167	1 124	103	369	3 081	1 030	189	1 154	691	3 852	3 528	918	1 467
Bookkeepers	255	60	9	49	186	11	11	182	68	326	446	110	135
Cashiers	11	10	—	—	21	17	—	—	—	16	11	—	—
Estimators and investigators, n.e.c.	34	10	—	5	20	—	—	20	21	51	50	25	6
Office machine operators	300	91	13	5	77	102	22	134	35	321	176	66	101
Shipping and receiving clerks	290	28	—	9	171	102	8	110	68	161	316	145	57
Stock clerks and storekeepers	409	105	4	21	148	105	10	92	19	96	168	35	51
Other clerical and kindred workers	1 868	820	72	285	2 458	580	138	607	480	2 881	2 361	537	1 317
Craftsmen and kindred workers	8 115	1 775	180	451	4 083	1 259	394	788	818	4 985	2 279	1 318	821
Blacksmiths, farriers, hammermen, and boilermakers	64	24	—	6	—	—	—	—	10	27	5	—	6
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	61	8	—	—	28	10	—	—	—	5	5	21	5
Crane operators, derrickmen, and hoistmen	288	5	—	—	4	—	—	—	—	—	—	—	—
Electricians	478	43	5	22	53	37	—	9	22	24	120	80	10
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	1 356	474	40	128	478	299	182	260	268	469	829	557	163
Mechanics and repairmen	1 316	309	10	136	308	313	140	107	229	115	607	249	180
Autonobile, including body	—	—	—	—	—	—	—	—	—	—	—	—	—
Machinists, job setters, and toolmakers	2 435	653	22	90	257	100	8	28	89	48	24	250	43
Metal craftsmen, except mechanics and machinists	759	144	20	24	133	10	14	5	8	20	56	22	4
Painters, construction and maintenance, and plasterers and paperhangers	39	22	—	11	19	—	—	—	—	6	13	—	6
Plumbers and pipe fitters	295	37	5	4	12	—	—	—	—	15	146	53	15
Printing craftsmen	17	18	—	—	40	5	—	—	162	4 053	60	14	45
Stationary engineers and power station operators	32	5	—	—	15	—	—	—	—	39	123	17	29
Other craftsmen and kindred workers	378	29	17	14	2 740	531	39	360	10	99	56	56	388
Operatives, except transport	15 321	3 600	115	988	9 702	2 065	1 791	4 652	1 805	1 773	3 672	3 468	3 120
Assemblers	3 249	337	29	137	957	48	7	46	87	37	196	151	106
Checkers, examiners, and inspectors; manufacturing	2 091	713	—	211	235	149	91	245	115	181	172	328	445
Filers, polishers, sanders, and buffers	219	417	—	13	77	—	4	—	—	7	25	31	5
Painters, manufactured articles	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	1 899	997	21	209	278	—	4	5	12	—	93	76	15
Welders and flamecutters	1 083	116	—	97	127	12	—	3	6	—	43	41	53
Other specified operatives	2 605	361	16	99	6 704	1 006	1 685	3 897	516	580	1 280	620	2 041
Machine operatives, miscellaneous specified	1 020	178	—	64	484	101	—	139	640	428	957	1 514	145
Machine operatives, not specified	2 074	346	11	90	311	101	—	52	172	219	364	501	97
Miscellaneous operatives	437	346	—	7	281	214	—	166	196	279	200	200	88
Not specified operatives	416	52	10	20	202	87	—	99	57	34	131	127	84

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
The State													
Standard Metropolitan Statistical Areas of 250,000 or More													
CLEVELAND SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	1 029	76	5	46	547	1 281	20	34	123	339	422	202	254
Deliverymen and routemen	30	16	—	—	46	985	5	15	11	177	67	8	15
Truck drivers	301	18	5	17	116	175	15	19	36	119	119	66	66
Other transport equipment operatives	698	42	—	29	385	121	—	—	76	43	236	154	173
Laborers, except farm	1 486	122	16	46	1 341	529	159	174	160	360	561	220	382
Freight, stock, and material handlers	742	70	6	—	1 777	374	111	138	89	248	248	98	86
Other specified laborers	231	32	—	—	1 000	69	18	—	31	43	52	19	217
Miscellaneous laborers	225	—	4	—	20	18	—	—	—	17	17	21	12
Not specified laborers	288	20	6	26	144	68	30	16	40	92	244	82	67
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	935	144	8	44	751	337	67	116	78	228	488	163	208
Cleaning service workers	684	66	4	22	219	179	46	82	49	163	343	126	71
Private security workers	4	—	—	—	26	9	5	—	4	3	5	—	—
Guards and watchmen	195	32	—	22	30	27	16	19	10	6	93	16	5
Other service workers, including private household	52	46	—	—	476	122	—	10	15	23	46	21	132
Female employed	3 498	1 412	101	373	5 968	2 056	1 713	5 567	1 539	5 580	4 115	2 762	3 220
Professional, technical, and kindred workers													
Accountants	120	40	10	8	160	63	26	79	18	517	395	82	138
Computer specialists	11	5	—	—	13	18	—	4	—	24	51	23	35
Life and physical scientists	14	4	5	—	5	—	—	—	—	6	11	9	15
Registered nurses, dietitians, and therapists	44	18	—	—	5	10	5	5	—	5	82	10	7
Social scientists	5	—	—	—	—	—	—	—	—	—	28	—	—
Writers, artists, and entertainers	46	9	—	4	37	35	21	33	8	418	76	3	81
Other professional, technical, and kindred workers	18	7	—	6	60	57	5	49	17	119	64	34	28
Salaries	18	7	—	6	54	53	5	40	17	109	64	36	28
Self-employed	8	5	—	—	79	88	—	9	—	10	—	—	—
Sales workers													
Clerical and kindred workers	1 409	657	67	238	2 038	733	125	917	485	2 903	2 497	596	1 257
Bookkeepers	138	39	9	32	154	139	6	160	63	289	341	100	116
Cashiers	6	10	—	—	14	17	—	—	—	9	11	—	—
Counter-clerks, except food	33	14	—	—	12	17	—	13	26	103	24	12	9
File clerks	34	14	—	5	69	11	—	56	10	175	65	57	26
Office machine operators	230	55	—	—	57	82	16	110	30	219	120	57	65
Bookkeeping and billing machine operators	18	9	—	—	17	6	—	5	—	31	21	14	10
Receptionists	439	343	41	123	419	242	29	139	23	51	46	205	278
Secretaries	157	101	6	24	14	5	—	4	—	19	34	—	5
Stenographers	313	86	11	30	224	183	31	97	59	373	252	74	83
Other clerical and kindred workers	126	54	11	5	149	90	72	246	77	656	80	81	75
Craftsman and kindred workers	25	9	—	—	22	15	53	36	11	36	30	26	11
Foremen, n.e.c.	1 696	587	13	109	3 163	839	1 422	4 140	880	981	892	1 862	1 585
Operatives, except transport	430	119	9	43	631	21	7	19	76	27	132	103	81
Assemblers	243	144	—	43	114	69	75	211	89	152	53	103	137
Checkers, examiners, and inspectors; manufacturing	95	5	—	—	152	360	54	65	135	132	184	184	115
Packers and wrappers, except meat and produce	928	319	4	45	2 266	389	1 286	3 845	580	670	514	1 363	1 360
Other operatives, except transport	18	7	—	—	6	19	—	—	—	2	4	16	—
Transport equipment operatives													
Laborers, except farm	44	10	—	—	112	26	55	72	38	107	42	56	35
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	59	45	—	7	201	141	8	38	24	78	75	28	48
Cleaning service workers	49	10	—	—	38	38	8	23	14	67	39	17	8
Personal service workers	—	—	—	—	20	—	—	5	4	—	6	—	—
Other service workers, including private household	10	35	—	7	131	103	—	10	6	11	30	11	40

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Retail trade										Finance and real estate						
	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places		Other retail trade	Insurance				
Total employed—Continued																	
Transport equipment operatives	780	6 328	3 371	87	1 499	2 924	510	683	700	172	1 182	4	90				
Deliverymen and routemen	10	721	22	55	19	1 438	437	413	108	142	684	4	0				
Truck drivers	43	403	80	27	474	1 058	47	193	89	14	387	—	32				
Other transport equipment operatives	727	204	3 269	5	1 006	428	26	63	33	76	131	—	49				
Laborers, except farm	443	1 617	431	77	1 708	2 519	1 039	3 561	334	105	1 561	10	316				
Freight, stock and material handlers	138	1 537	254	10	933	1 778	1 004	3 395	62	24	708	5	10				
Other specified laborers	38	21	97	63	428	342	29	77	252	9	538	5	222				
Miscellaneous laborers	202	133	23	4	213	135	15	16	—	—	100	—	43				
Not specified laborers	60	59	55	—	134	286	6	—	20	72	100	—	41				
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—				
Service workers, including private household	128	83	342	199	268	561	1 989	547	106	18 155	2 813	58	2 931				
Cleaning service workers	32	66	117	151	138	335	392	195	92	232	360	42	2 196				
Personal service workers	6	6	10	5	10	10	258	—	—	—	68	—	149				
Guards and watchmen	10	6	—	3	27	35	110	29	4	—	—	—	212				
Other service workers, including private household	86	5	131	38	101	181	1 229	323	10	17 379	2 326	16	394				
Female employed	873	1 441	2 705	6 437	1 723	10 649	20 113	9 537	1 663	14 790	18 128	5 234	15 056				
Professional, technical, and kindred workers	45	10	105	642	119	273	415	20	48	114	273	99	414				
Accountants	26	10	38	100	8	100	50	11	17	9	47	65	194				
Computer specialists	—	—	—	165	5	37	6	—	15	—	70	14	69				
Life and physical scientists	—	—	—	—	—	10	—	—	—	—	6	—	7				
Registered nurses, dietitians, and therapists	5	—	—	4	—	5	—	—	—	18	—	—	9				
Social scientists	—	—	—	—	10	—	16	—	—	—	—	—	10				
Writers, artists, and entertainers	—	—	—	—	29	39	170	—	—	72	84	—	35				
Other professional, technical, and kindred workers	14	—	43	292	60	161	—	5	16	15	121	8	90				
Managers and administrators, except farm	17	49	150	140	42	288	1 234	433	94	695	950	165	731				
Self-employed	17	45	141	140	42	222	1 222	262	87	497	761	150	662				
Self-employed	—	4	9	—	—	37	12	171	7	198	189	15	69				
Sales workers	—	20	39	50	50	555	10 846	3 232	43	247	7 512	531	1 445				
Clerical and kindred workers	766	1 150	1 410	5 316	1 250	7 782	5 109	4 232	1 324	1 171	5 838	4 367	11 060				
Bookkeepers	75	214	110	198	83	246	640	305	442	246	1 265	345	1 464				
Cashiers	6	24	23	11	19	59	1 179	10	62	688	1 218	48	118				
Counter clerks, except food	—	4	15	109	—	165	119	3	—	—	46	3	10				
File clerks	31	4	27	148	29	219	309	10	44	—	130	292	319				
Office machine operators	86	56	82	294	77	468	229	129	37	15	108	175	930				
Bookkeeping and billing machine operators	6	6	4	13	49	61	25	9	4	5	38	5	331				
Receptionists	—	—	—	—	—	—	—	—	—	—	—	—	—				
Secretaries	147	254	289	357	185	947	362	177	39	115	110	88	149				
Stenographers	71	186	23	17	22	71	5	13	—	—	905	1 445	2 240				
Typists	—	—	—	—	—	—	—	—	—	—	—	—	—				
Other clerical and kindred workers	278	355	878	3 766	715	1 919	1 999	430	325	89	269	762	1 035				
Foremen, n.e.c.	6	48	20	143	54	197	306	116	29	81	518	38	42				
Foremen, n.e.c.	—	23	—	53	—	71	135	4	—	5	62	20	28				
Operatives, except transport	—	26	9	5	41	981	472	923	87	91	832	—	43				
Assemblers	—	9	—	—	—	70	11	—	5	5	35	—	5				
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—				
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—	—				
Other operatives, except transport	—	—	—	—	—	—	—	—	—	—	—	—	—				
Transport equipment operatives	16	101	659	6	63	50	53	12	5	10	18	—	38				
Laborers, except farm	9	15	10	—	40	313	203	312	14	3	207	—	28				
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—				
Service workers, including private household	14	22	103	155	64	210	1 475	257	19	12 378	1 980	34	1 293				
Cleaning service workers	5	17	4	120	9	73	121	17	9	152	166	22	1 019				
Personal service workers	—	—	—	—	—	—	—	—	—	—	—	—	—				
Other service workers, including private household	9	5	46	30	55	132	1 138	240	10	12 084	1 759	12	219				

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More

CLEVELAND SMSA

Occupation	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
Total employed	16 404	11 688	3 916	24 627	5 879	31 312	14 034	35 939	18 110	11 195	23 219	35 637
Professional, technical, and kindred workers	3 588	340	112	508	1 187	12 470	5 718	21 912	10 611	4 450	12 812	4 974
Accountants	254	57	47	20	14	145	14	41	29	111	2 003	758
Architects	5	—	—	—	—	4	—	5	—	4	534	27
Computer specialists	320	18	6	5	15	29	34	40	59	5	210	140
Engineers	456	18	6	12	—	58	—	17	61	73	1 536	1 085
Chemical	10	—	—	—	—	—	—	—	—	—	32	4
Civil	6	—	—	—	—	—	—	—	—	—	445	171
Electrical and electronic	30	8	—	—	5	5	—	—	5	6	171	192
Industrial	194	5	—	6	—	10	5	—	24	5	162	122
Mechanical	60	—	—	6	—	10	—	—	13	6	82	123
Other engineers	156	5	—	—	10	33	29	10	19	56	227	123
Mathematical specialists	17	—	—	—	—	—	—	—	—	—	588	473
Life and physical scientists	189	10	—	—	5	4	—	—	—	10	52	24
Chemists	170	10	—	—	5	129	26	33	111	—	155	153
Physicists	19	—	—	—	—	—	—	—	—	—	69	51
Personnel and labor relations workers	672	14	—	—	10	63	10	15	43	—	69	51
Social scientists	127	5	—	9	10	113	25	72	28	53	41	388
Engineering and science technicians	477	39	—	—	17	85	30	60	63	25	59	74
Draftsmen	198	—	—	—	—	—	—	9	159	159	1 073	421
Electrical and electronic engineering technicians	30	33	—	—	11	10	—	—	6	11	818	101
Industrial and mechanical engineering technicians	16	—	—	—	6	—	—	—	20	5	47	193
Technicians, except health, and engineering and science	16	—	—	52	—	—	6	—	4	—	12	22
Writers, artists, and entertainers	776	5	—	321	757	63	30	15	28	488	342	172
Other professional, technical, and kindred workers	279	170	29	89	369	11 765	5 524	21 448	9 880	3 656	6 279	1 390
Managers and administrators, except farm	1 834	818	406	1 347	816	627	336	1 644	1 026	1 080	765	2 847
Buyers, purchasing agents, and sales managers	166	38	3	31	16	16	—	40	41	—	21	41
Other managers and administrators	1 468	780	403	1 316	798	581	309	1 604	985	1 080	744	2 770
Salaried	1 471	585	282	1 317	488	576	309	1 624	928	1 039	724	2 770
Self-employed	197	195	121	389	109	5	27	—	—	—	70	—
Sales workers	964	191	19	279	209	51	15	80	76	158	181	66
Clerical and kindred workers	5 057	1 638	766	1 940	819	5 306	2 736	5 985	3 323	3 355	5 791	14 820
Bookkeepers	393	276	103	173	161	156	230	171	171	171	573	311
Cashiers	24	130	66	116	21	170	4	267	62	18	60	428
Estimators and investigators, n.e.c.	215	67	4	10	—	6	—	13	—	—	39	392
Office machine operators	487	13	8	40	4	99	7	113	95	87	36	60
Shipping and receiving clerks	19	29	—	43	5	20	5	24	24	6	243	323
Stock clerks and stockkeepers	43	39	—	10	4	119	—	37	14	—	13	25
Other clerical and kindred workers	3 876	1 084	585	1 548	434	4 631	2 490	5 375	2 433	2 891	4 871	13 459
Craftsmen and kindred workers	912	5 320	146	754	350	615	323	657	291	203	324	1 856
Blacksmiths, forgers, hammermen, and boilermakers	—	51	—	10	—	—	—	—	—	—	—	5
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	14	11	3	11	21	77	4	4	23	16	13	78
Cranemen, derrickmen, and hoistmen	18	4	—	—	—	—	—	—	—	—	—	5
Electricians	23	29	13	5	10	137	—	56	23	38	19	170
Excavating, grading, and road machine operators	4	—	—	—	—	—	—	—	—	—	—	35
Foremen, n.e.c.	145	132	21	122	45	71	5	31	16	32	72	293
Mechanics and repairmen	29	4 131	38	79	121	134	6	48	95	16	70	673
Automobile, including body	29	2 258	6	11	11	86	—	15	15	15	12	285
Machinists, job-setters, and toolmakers	18	64	—	—	—	5	3	5	15	—	10	38
Metal craftsmen, except mechanics and machinists	19	15	—	—	—	6	—	6	—	4	—	59
Painters, construction and maintenance, and plasterers and paperhangers	32	57	19	22	8	56	8	65	10	10	10	105
Pumbers and pipe fitters	—	9	12	—	4	30	10	55	8	35	—	53
Printing craftsmen	83	—	—	—	—	8	6	28	25	—	12	15
Stationary engineers and power station operators	16	827	29	16	141	82	84	84	19	31	86	86
Other craftsmen and kindred workers	246	—	11	489	—	57	281	126	57	41	87	231
Operatives, except transport	635	1 192	77	3 325	84	779	176	200	171	124	302	419
Assemblers	31	24	—	18	6	—	—	—	5	—	49	14
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Fiers, polishers, sanders, and buffers	4	7	—	—	5	—	—	—	—	—	—	—
Painters, manufactured articles	—	147	—	—	—	—	—	—	—	—	—	—
Precision machine operators	4	133	—	5	—	4	—	—	10	—	10	57
Other specified operatives	20	294	—	—	—	—	—	—	83	—	122	192
Machine operatives, miscellaneous specified	364	346	72	3 204	56	733	147	145	63	101	167	192
Machine operatives, unspecified	57	62	—	27	12	10	6	9	10	—	22	23
Machine operatives, job specified	39	104	5	15	7	15	7	6	37	—	6	53
Miscellaneous operatives	86	23	—	29	5	11	12	32	26	11	6	49
Not specified operatives	20	—	—	—	—	—	—	—	—	—	—	19

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	CLEVELAND SMSA—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives	218	549	29	584	46	49	67	96	42	85	68	675
Truck drivers	61	64	—	403	—	11	39	15	9	9	11	42
Other transport equipment operatives	122	110	29	54	6	15	28	53	8	49	57	521
Other transport equipment operatives	35	375	—	127	40	23	—	28	25	27	—	112
Labors, except farm	357	1 013	28	745	459	172	27	188	129	82	125	1 233
Freight, stock, and material handlers	71	42	40	229	368	87	30	30	19	6	6	525
Other specified laborers	74	841	18	410	368	69	16	115	72	41	108	467
Miscellaneous laborers	10	66	5	4	8	—	—	5	5	—	33	33
Not specified laborers	202	64	5	102	43	16	11	38	33	8	11	208
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	2 816	597	2 332	15 145	1 909	11 243	4 636	5 157	2 441	1 658	2 851	8 747
Cleaning service workers	89	98	951	387	1 398	1 899	539	2 888	1 106	752	45	811
Personal service workers	72	48	464	1 111	235	235	4	492	376	134	45	134
Guards and watchmen	783	18	—	19	24	114	4	140	59	23	54	392
Other service workers, including private household	178	433	917	8 831	877	8 969	3 982	1 663	900	454	2 559	7 410
Female employed	7 479	2 055	2 386	17 738	2 118	24 628	9 498	24 136	11 438	6 393	10 826	9 628
Professionals, technical, and kindred workers	986	95	71	179	404	9 487	2 174	14 619	6 429	1 979	3 072	939
Accountants	101	23	20	7	5	88	14	23	22	43	307	172
Computer specialists	40	—	—	—	—	10	—	9	—	—	73	35
Life and physical scientists	55	5	—	—	5	84	10	4	25	—	14	14
Registered nurses, dietitians, and therapists	28	4	12	42	—	6 665	1 311	271	133	104	44	44
Social scientists	14	—	—	9	—	25	19	31	24	6	25	10
Writers, artists, and entertainers	233	5	24	100	202	36	15	64	35	266	4	4
Other professional, technical, and kindred workers	515	58	15	21	192	2 579	805	14 217	6 182	1 560	2 405	620
Managers and administrators, except farm	348	59	148	281	163	298	145	547	399	244	142	407
Salaries	302	49	115	197	139	298	139	547	382	244	142	407
Self-employed	46	10	33	84	11	—	6	—	17	—	—	—
Other	257	75	15	184	123	34	10	51	37	73	59	29
Sales workers	4 272	1 246	535	1 677	643	5 007	2 681	5 423	2 761	2 996	5 156	7 161
Clerical and kindred workers	329	212	68	155	119	237	161	130	270	341	453	272
Bookkeepers	24	62	61	110	139	165	4	256	57	13	33	33
Cashiers	40	53	159	539	47	24	—	97	26	5	5	—
Counter clerks, except food	151	16	6	16	3	143	46	121	119	93	97	250
File clerks	424	13	8	40	4	74	7	83	44	42	183	228
Office machine operators	35	—	8	4	4	17	3	5	6	6	15	—
Bookkeeping and billing machine operators	127	18	23	147	17	527	703	126	126	131	137	91
Receptionists	1 315	324	89	202	137	1 828	1 229	1 620	1 027	1 559	2 365	1 216
Secretaries	55	13	—	—	—	32	30	29	18	50	132	132
Stenographers	633	93	110	65	45	567	169	394	233	394	335	1 214
Typists	1 174	442	111	403	132	1 410	269	2 410	950	439	1 500	3 656
Other clerical and kindred workers	82	91	20	132	19	71	78	101	40	31	49	37
Craftsmen and kindred workers	25	—	15	55	5	38	5	13	5	9	14	19
Foremen, n.e.c.	292	189	63	2 652	25	537	119	51	69	99	148	16
Operatives, except transport	14	5	—	18	—	—	—	—	5	—	44	—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	89	—	—	54	—	21	4	—	—	—	21	—
Other operatives, except transport	189	184	63	2 580	25	516	115	47	64	95	83	16
Transport equipment operatives	9	14	—	19	—	4	—	6	12	5	—	8
Labors, except farm	71	60	—	240	30	81	—	6	18	4	26	49
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	1 162	226	1 534	12 374	711	9 109	4 291	3 332	1 673	962	2 174	982
Cleaning service workers	1 016	30	742	3 988	79	1 024	398	556	255	255	83	247
Personal service workers	57	29	286	3 875	104	164	90	436	330	351	76	76
Other service workers, including private household	89	167	506	8 285	528	7 921	3 803	1 523	787	356	2 051	659

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

Occupation	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
					Durable goods												
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal								
COLUMBUS SMSA																	
Total employed	366 442	4 312	926	20 702	85 867	1 589	3 898	3 445	374	6 073	10 306	16 514					
Professional, technical, and kindred workers	64 908	371	58	1 336	9 655	109	306	159	15	465	1 166	2 295					
Accountants	4 256	146	15	842	12	28	51	9		57	103	143					
Architects	4 355	26	6	10	16							6					
Computer specialists	1 594	5	24	24	433							118					
Engineers	7 165	17	20	574	3 719	33	130	55	10	224	484	1 152					
Chemical	1 151	7		5	70	3						6					
Civil	1 027			437	89												
Electrical and electronic	1 849			30	113	9						61					
Industrial	1 089			20	736	5						100					
Mechanical	842			5	544	4						130					
Other engineers	2 207	10	10	77	1 167	16	56	19	5	49	169	134					
Mathematical specialists	313	6			45												
Life and physical scientists	1 149	25	11	11	213												
Chemists	558	6		6	146												
Personnel and labor relations workers	1 758	5		35	391	6											
Social scientists	691	12			95												
Engineering and science technicians	4 229	30	6	323	1 608	16	33	46	5	100	197	551					
Draftsmen	1 630	15		13	677	16	10	16	5	84	150	255					
Electrical and electronic engineering technicians	336				390												
Industrial and mechanical engineering technicians	115				115												
Mechanics, except health, and engineering and science	934				934												
Writers, artists, and entertainers	4 187	72		78	1 121	21											
Other professional, technical, and kindred workers	38 277	161		95	1 985												
Managers and administrators, except farm	32 310	83	88	2 449	4 679	125	154	93	20	439	785	486					
Buyers, purchasing agents, and sales managers	2 710	11	16	40	39	39	23	19	5	75	212	80					
Other managers and administrators	29 600	72	72	2 409	4 640	86	131	74	15	364	563	406					
Salaried	23 023	37	47	1 876	3 368	91	120	74	15	573	101	389					
Self-employed	3 817	35	5	633	2 313	25	11	21		6	5	17					
Sales workers	28 327	26	34	414	2 970	91	74	75	14	73	257	117					
Clerical and kindred workers	78 621	178	174	1 828	11 447	146	349	281	10	697	1 324	1 582					
Cashiers	5 976	23	17	292	41	61	21	21		61	111	32					
Estimators and investigators, n.e.c.	4 465	5		11	53												
Office machine operators	1 906		10	207	221	4	21	5		5							
Shipping and receiving clerks	4 225	10	5	108	817	5	4	6		63	96	154					
Stock clerks and stockkeepers	1 871			19	852	10	22	34		118	142	89					
Other clerical and kindred workers	2 812	54		34	663	8	5	15		37	105	139					
Other	57 366	140	142	1 137	8 050	109	247	170	10	398	170	1 448					
Craftsmen and kindred workers	44 152	71	145	10 527	16 617	387	539	1 031	69	1 442	2 294	2 774					
Blacksmiths, forgers, hammermen, and boilermakers	826				106			35		27	7	6					
Brickmasons and stonemasons	2 777	6		765	43			12		5	16	20					
Carpenters	2 442		10	2 205	195	53	11	12	5	14	21	22					
Cranemen, derrickmen, and hoistmen	2 119			107	234	9	17	22		48	80	394					
Electricians	693		32	836	880												
Excavating, grading, and road machine operators	7 056	13	61	507	25												
Mechanics and repairmen	10 020	5	22	603	3 929	64	184	267	19	369	500	751					
Automobile, including body	3 507			47	2 615	13	150	81	9	124	381	426					
Machinists, job setters, and toolmakers	2 684	3	5	17	2 512												
Metal craftsmen, except mechanics and machinists	2 007			394	1 512	16	14	368	14	309	242	269					
Plumbers, construction and maintenance, and plasterers and paperhangers	1 657			112	177	13	16	10		20	12	46					
Printers and pipe fitters	1 529			1 079	1 498			5		21	33	24					
Printing craftsmen	1 498		6							20	19	16					
Stationary engineers and power station operators	698		9	22	252					5	52	31					
Other craftsmen and kindred workers	10 073	27		2 381	2 500	209	35	56		113	75	318					
Operatives, except transport	43 912	28	244	1 127	32 947	557	1 880	1 219	198	2 413	3 787	6 240					
Assemblers	4 778			28	4 564	95	73	5		10	708	2 108					
Checkers, examiners, and inspectors; manufacturing	4 019			581	4 019	45	581	91	22	232	547	1 208					
Filters, polishers, sanders, and buffers	516			11	442	26	19	26		48	42	48					
Painters; manufactured articles	485				356												
Precision machine operatives	1 922			11	1 818	10	60	199	11	65	92	159					
Welders and flamecutters	2 180			209	1 971	18	76	200	16	169	874	1 581					
Other specified operatives	17 650	6	244	687	9 755	192	431	225	65	606	353	234					
Machine operatives, miscellaneous specified	4 736			62	4 155	43	303	239	38	219	353	1 006					
Machine operatives, not specified	2 701			15	2 395	42	85	59		257	266	446					
Miscellaneous operatives	2 978			73	2 205	17	78	78		46	114	286					
Not specified operatives	1 943			31	1 661	15	91	90		90	73	673					

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing						Total
					Durable goods						
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	
COLUMBUS SMSA—Continued											
Total employed—Continued											
Transport equipment operatives.....	13 392	40	133	491	54	287	71	19	138	195	220
Deliverymen and routemen.....	2 845	5	6	30	36	27	6	10	15	70	32
Truck drivers.....	5 972	29	81	382	18	127	18	9	61	125	177
Other transport equipment operatives.....	4 575	6	46	79	84	133	47	9	62	125	177
Laborers, except farm	13 818	434	38	2 309	202	424	424	16	304	328	630
Freight, stock, and material handlers.....	6 104	5	29	53	27	61	51	3	151	164	460
Other specified laborers.....	5 141	413	9	2 245	29	60	12	—	26	42	39
Miscellaneous laborers.....	652	16	—	—	6	6	199	—	29	8	5
Not specified laborers.....	1 921	—	—	11	28	75	162	13	98	114	126
Farm workers.....	3 030	3 030	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	43 472	51	12	221	36	107	122	13	102	170	170
Cleaning service workers.....	8 159	27	6	128	25	69	72	6	63	121	149
Personal service workers.....	4 977	5	6	40	—	5	—	—	4	10	10
Guards and watchmen.....	1 499	10	22	267	11	19	17	7	33	27	47
Other service workers, including private household.....	28 837	9	—	71	11	14	33	7	6	18	47
Female employed.....	146 699	528	87	1 682	341	1 203	235	46	1 198	1 362	5 987
Professional, technical, and kindred workers.....	25 476	31	—	89	6	60	26	—	27	66	149
Accountants.....	1 115	7	—	15	—	14	—	—	17	9	5
Computer specialists.....	319	5	—	14	—	—	—	—	—	21	5
Life and physical scientists.....	128	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists.....	4 562	—	—	—	—	—	19	—	4	11	23
Social scientists.....	192	—	—	—	6	—	—	—	—	3	—
Writers, artists, and entertainers.....	1 311	4	—	6	—	38	—	—	—	4	—
Other professional, technical, and kindred workers.....	17 849	15	—	54	—	8	7	—	6	13	22
Managers and administrators, except farm.....	5 147	22	—	101	4	5	5	—	44	39	26
Salaried.....	4 418	7	—	85	4	5	5	—	44	39	21
Self-employed.....	729	15	—	16	4	—	—	—	—	—	5
Sales workers.....	10 743	—	—	25	—	8	—	—	—	8	21
Clerical and kindred workers.....	59 454	168	65	1 244	109	232	132	10	406	771	963
Bookkeepers.....	4 996	18	4	258	6	31	21	—	50	83	19
Cashiers.....	3 812	5	—	6	—	9	—	—	5	—	—
Counter clerks, except food.....	950	—	—	—	—	—	—	—	—	—	—
File clerks.....	1 817	18	—	5	23	4	6	—	5	10	25
Office machine operators.....	3 123	10	5	81	5	4	—	—	52	14	32
Bookkeeping and billing machine operators.....	314	—	—	16	—	—	—	—	10	76	99
Receptionists.....	1 843	44	4	156	4	—	—	—	20	10	13
Secretaries.....	14 341	39	38	473	46	73	36	5	147	34	273
Stenographers.....	581	21	5	21	—	—	—	—	—	—	—
Typists.....	6 641	120	9	252	15	9	30	—	42	106	118
Other clerical and kindred workers.....	21 350	17	—	—	15	106	23	5	85	181	374
Craftsmen and kindred workers.....	2 582	5	6	112	30	12	10	5	35	52	384
Foremen, n.e.c.....	558	—	6	4	—	12	—	—	10	20	22
Operatives, except transport.....	15 816	6	16	8	179	835	33	24	644	393	4 289
Assemblers.....	2 121	—	—	—	37	25	—	6	91	58	1 012
Checkers, examiners, and inspectors; manufacturing.....	1 982	—	—	—	27	445	16	—	132	169	590
Packers and wrappers, except meat and produce.....	1 325	—	—	—	9	112	—	9	59	27	56
Other operatives, except transport.....	10 388	—	16	8	115	253	17	4	362	139	2 631
Transport equipment operatives.....	711	—	—	—	—	5	—	—	—	—	—
Laborers, except farm.....	1 078	38	—	67	8	22	3	—	32	8	103
Farm workers.....	239	239	—	—	—	—	—	—	—	—	—
Service workers, including private household.....	25 453	19	—	36	5	24	26	7	10	25	52
Cleaning service workers.....	2 121	10	—	12	—	20	11	—	10	13	12
Personal service workers.....	3 447	5	—	22	—	4	—	—	4	4	10
Other service workers, including private household.....	19 885	4	—	24	—	—	15	—	—	8	30

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued						Nondurable goods						
	Motor vehicles and equipment	Aircraft and parts	Other transport equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscel- laneous plastic products	Other nondurable goods, incl. not specified manufacturing
COLUMBUS SMSA	3 576	5 087	130	337	9 106	6 053	1 003	719	1 792	6 187	2 862	2 633	4 203
Total employed	230	1 535	5	24	1 015	347	90	23	107	828	434	241	281
Accountants	44	64	—	—	47	25	—	—	26	39	75	34	36
Architects	—	—	—	—	—	—	—	—	—	—	—	—	—
Business operations specialists	10	67	—	—	32	5	—	—	—	39	21	4	33
Chemical engineers	115	885	5	10	324	66	11	—	26	9	28	8	31
Chemical operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Civil engineers	—	23	—	—	10	5	—	—	—	—	—	—	11
Electrical and electronic engineers	70	209	—	—	89	—	—	—	—	—	—	—	—
Industrial engineers	40	93	—	—	46	—	—	—	21	5	15	—	10
Mechanical engineers	5	482	5	10	135	15	11	—	5	4	17	31	5
Other engineers	—	—	—	—	—	—	—	—	—	—	—	—	—
Mathematical specialists	—	30	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	5	17	—	—	9	—	—	—	6	—	3	5	—
Chemists	5	12	—	—	—	—	—	—	—	—	105	15	5
Personnel and labor relations workers	17	35	—	4	51	35	—	—	5	7	80	15	5
Social scientists	—	14	—	—	14	12	—	—	—	—	41	7	7
Engineering and science technicians	12	145	—	10	214	92	34	—	14	5	75	48	8
Drafting and design technicians	15	67	—	4	177	5	—	—	—	—	5	5	3
Electrical and electronic engineering technicians	4	84	—	—	56	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	9	5	—	—	20	11	10	—	14	4	9	5	—
Technicians, except health, and engineering and science	9	113	—	—	52	11	10	23	30	706	6	6	5
Writers, artists, and entertainers	11	150	—	—	258	47	—	—	—	19	41	16	127
Other professional, technical, and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm	95	258	19	18	425	412	60	62	127	413	347	149	192
Buyers, purchasing agents, and sales managers	26	62	6	—	92	107	6	3	32	134	116	46	16
Other managers and administrators	69	196	13	18	333	305	55	59	95	279	231	103	176
Salaries	69	196	13	18	326	291	50	49	95	227	226	103	163
Self-employed	—	—	—	—	7	14	—	10	—	52	5	—	13
Sales workers	68	10	5	5	204	445	55	93	99	596	337	53	299
Clerical and kindred workers	340	760	9	33	1 169	712	149	79	250	1 959	590	388	650
Bookkeepers	15	26	—	4	12	92	15	—	22	79	55	—	53
Cashiers	—	—	—	—	18	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	12	27	—	—	5	5	—	—	—	—	—	—	—
Office machine operators	28	57	4	—	58	44	43	7	13	44	10	5	10
Shipping and receiving clerks	18	5	—	5	52	110	26	11	39	134	47	34	23
Stock clerks and storekeepers	13	59	—	6	75	42	5	7	7	26	57	70	35
Other clerical and kindred workers	214	591	5	18	874	415	77	48	162	31	25	12	483
Craftsmen and kindred workers	919	1 194	30	42	1 499	962	135	62	259	1 616	324	520	519
Blacksmiths, farriers, hammermen, and boilermakers	19	6	—	—	—	—	—	—	—	—	6	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	5	—	5	—	20	6	5	—	—	—	—	17	11
Cranemen, derrickmen, and hoistmen	—	—	—	—	14	—	—	—	—	—	—	—	—
Electricians	30	118	—	—	32	40	—	—	—	—	21	56	—
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	4	—	11	—	—
Foremen, n.e.c.	185	242	5	16	175	278	66	22	128	170	184	229	75
Mechanics and repairmen	182	499	4	15	108	277	10	22	40	67	44	136	27
Mechanics, including body	105	10	—	—	4	60	—	—	40	10	7	—	9
Automobile, job setters, and toolmakers	355	160	—	6	133	26	—	—	10	—	—	62	9
Machinists, job setters, and toolmakers	75	103	—	—	60	—	—	—	—	—	4	9	5
Metal craftsmen, except mechanics and machinists	5	14	—	5	12	10	6	—	—	4	11	—	—
Painters, construction and maintenance, and plasterers and paperhangers	5	10	—	—	10	—	—	—	—	6	—	—	—
Plumbers and pipe fitters	21	9	—	—	22	10	12	—	5	7	—	—	—
Printing craftsmen	9	22	—	—	9	36	11	6	—	1 322	9	5	—
Stationary engineers and power station operators	—	—	16	—	904	270	—	12	4	34	25	—	—
Other craftsmen and kindred workers	33	11	—	—	—	—	—	—	—	—	—	—	383
Operatives, except transport	1 649	1 159	57	191	3 949	1 981	465	356	793	506	515	1 114	1 918
Assemblers	249	307	22	40	477	249	9	5	14	22	32	57	32
Checkers, examiners, and inspectors; manufacturing	171	174	4	60	332	125	23	11	19	39	43	60	232
Filers, polishers, sanders, and buffers	123	23	—	—	27	—	—	—	—	—	—	—	—
Painters, manufactured articles	23	15	—	—	32	7	—	—	—	—	—	—	—
Precision machine operators	107	156	—	6	65	8	4	6	8	—	5	13	14
Walders and flame cutters	76	47	10	6	65	—	—	—	—	—	—	—	—
Other specified operatives	476	173	12	24	2 256	973	432	270	193	126	151	10	19
Machine operatives, miscellaneous specified	146	54	5	21	291	97	—	24	344	81	130	204	1 387
Machine operatives, not specified	150	69	—	26	126	131	—	16	155	121	105	154	142
Miscellaneous operatives	46	62	4	11	140	207	—	14	110	110	37	88	37
Not specified operatives	82	79	—	7	143	134	—	10	22	7	35	59	24

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
The State Standard Metropolitan Statistical Areas of 250,000 or More													
COLUMBUS SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	99	36	5	6	201	676	21	7	39	103	102	35	104
Truck drivers	3	6	5	—	21	—	—	—	5	47	26	6	—
Other transport equipment operatives	39	11	—	—	43	157	4	—	20	56	50	11	26
	57	19	—	6	137	75	17	7	14	—	26	18	78
Laborers, except farm													
Freight, stock, and material handlers	119	29	—	13	338	348	28	32	73	62	116	71	129
Other specified laborers	72	10	—	8	37	215	23	15	45	50	83	24	67
Miscellaneous laborers	28	5	—	—	228	27	—	—	9	8	—	5	—
Not specified laborers	19	14	—	—	73	89	5	17	19	4	33	10	38
Farm workers													
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Personal service workers	57	106	—	5	306	170	—	5	45	84	97	62	131
Guards and watchmen	27	52	—	—	63	137	—	—	41	62	62	57	61
Other service workers, including private household	30	27	—	—	10	8	—	—	4	13	3	—	—
	—	27	—	—	206	14	—	—	—	9	25	—	70
Female employed													
Professional, technical, and kindred workers	856	952	15	128	2,655	1,469	190	380	502	2,583	683	545	2,138
Accountants	—	88	—	4	88	47	10	11	20	328	75	5	24
Computer specialists	—	10	—	—	16	10	6	—	—	19	11	5	—
Life and physical scientists	—	6	—	—	10	—	—	—	—	—	16	—	6
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	16	—	—
Social scientists	—	5	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	14	—	—	4	—	4	—	—	283	—	—	—
Other professional, technical, and kindred workers	—	53	—	4	58	37	—	11	5	21	32	—	18
Managers and administrators, except farm	—	5	—	—	19	28	11	11	5	33	22	4	38
Salaried	—	5	—	—	19	29	11	11	5	21	17	4	38
Self-employed	—	—	—	—	—	—	—	—	—	12	5	—	—
Sales workers	4	—	—	—	5	37	—	—	10	125	18	6	47
Clerical and kindred workers													
Bookkeepers	157	517	5	13	678	449	102	58	179	1,558	394	227	456
Cashiers	9	15	—	4	67	67	15	—	16	68	30	45	41
Counter clerks, except food	—	—	—	—	4	5	—	—	—	5	14	—	14
File clerks	—	35	—	—	13	5	—	6	—	42	12	4	6
Office machine operators	28	52	—	—	39	30	31	7	15	86	29	19	20
Bookkeeping and billing machine operators	—	—	—	—	—	—	7	—	—	11	—	—	—
Receptionists	20	7	—	—	11	—	—	—	5	21	7	6	—
Secretaries	42	253	5	—	181	204	41	19	58	206	148	49	96
Stenographers	9	9	—	—	66	38	10	10	11	11	49	22	5
Typists	20	42	—	—	297	100	5	16	70	295	49	22	13
Other clerical and kindred workers	29	104	—	9	297	100	5	16	70	779	110	71	248
Foremen, n.e.c.	12	50	—	—	120	63	9	9	14	246	16	18	98
	7	5	—	—	5	7	9	5	9	55	11	13	15
Operatives, except transport													
Assemblers	667	274	10	93	1,646	766	58	277	258	270	130	280	1,393
Checkers, examiners, and inspectors; manufacturing	166	132	4	—	384	54	9	5	9	22	5	5	32
Packers and wrappers, except meat and produce	62	33	—	47	164	407	5	11	18	34	24	15	128
Other operatives, except transport	30	109	6	37	1,088	239	53	257	222	55	38	54	47
	409	—	—	—	—	15	—	—	—	159	63	182	1,186
Transport equipment operatives													
Laborers, except farm	9	—	—	13	47	46	—	14	12	5	—	—	34
Farm workers													
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Personal service workers	7	18	—	5	52	17	—	—	4	13	28	5	30
Other service workers	7	6	—	5	6	8	—	—	4	4	6	—	11
Other service workers, including private household	—	12	—	—	41	9	—	—	—	9	3	—	19

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	COLUMBUS SMSA	Total employed	Railroads and railway express service	Trucking services and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finance and real estate
									General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
Accountants	3 384	6 202	2 878	5 424	6 089	16 712	9 082	6 888	12 713	19 902	11 511	12 935			
Administrative	66	47	168	949	859	911	113	100	215	1 026	918	780			
Professionals, technical, and kindred workers	5	5	23	145	20	64	44	38	38	120	208	286			
Accountants	11			22	84		16	6	6	14	226	7			
Computer specialists	8	10	6	317	210	286	3	5	5	83	29	55			
Engineers	8			5	5	16						10			
Chemical				30	96	11	6			14		10			
Civil				294	8	33	4			15	21	5			
Electrical and electronic		6	6	10	18	33	3			13	8	10			
Industrial		4		14	57	200				51		10			
Mechanical				8								4			
Other engineers				21								10			
Mathematical specialists				10								4			
Life and physical scientists			4	10								10			
Chemists				25								66			
Personnel and labor relations workers	25	15	17	95	27	19	19		21	25	124	40			
Social scientists	11	4		6		24	49		11	11	32	60			
Engineering and science technicians	6			143	6	74	15		11	38	17	4			
Electrical and electronic engineering technicians				26		17	6		11	19	8	4			
Industrial and mechanical engineering technicians	6			58		25									
Technicians, except health, and engineering and science				45		3			6						
Writers, artists, and entertainers			98	44		5			19			13			
Other professional, technical, and kindred workers	6	13	11	284	56	73	103	6	128	89	26	86			
Managers and administrators, except farm			9	37	131	104	84	17	5	642	132	144			
Buyers, purchasing agents, and sales managers	682	400	144	401	272	2 687	1 586	3 406	1 680	2 713	1 264	2 470			
Other managers and administrators	13	23	6	23	48	948	930	300	36	780	218	72			
Other managers and administrators	669	377	138	378	224	1 739	906	1 157	1 644	1 933	1 046	2 398			
Salaried	669	331	133	378	189	1 540	593	786	1 093	1 462	1 012	2 193			
Self-employed		46	5	313	35	199	51	371	551	471	34	205			
Sales workers	19	115	35	102	115	3 424	5 369	1 126	214	6 467	2 930	2 317			
Chemical and kindred workers	448	1 099	605	2 594	1 435	3 877	2 871	687	804	4 134	6 099	6 156			
Bookkeepers	10	7	20	17	27	37	229	271	136	557	271	70			
Cashiers	11	5	11	74	15	55	92	60	43	76	122	171			
Estimators and investigators, n.e.c.	1	3	3	64	96	8	54	22	20	52	128	171			
Office machine operators	24	28	14	72	151	162	107	70	5	159	438	461			
Shipping and receiving clerks	15	188	13	5	4	268	121	11	19	150	48	5			
Stock clerks and storekeepers	69	34	10	30	27	303	214	32	19	194	10	20			
Other clerical and kindred workers	313	738	555	2 263	1 048	2 458	1 369	265	186	2 216	5 250	4 588			
Craftsmen and kindred workers	1 222	486	224	1 296	1 633	1 695	729	477	1 447	1 786	1 110	292			
Blacksmiths, forgemen, hammermen, and boilermakers	3			6	11	6				6		4			
Brickmasons and stonemasons	5						7					50			
Carpenters	8				4		41			47		5			
Cranemen, derrickmen, and hoistmen	40			9	115	19				11		3			
Electricians					64							52			
Excavating, grading, and road machine operators	74	205	34	56	274	555	210	45	21	239	33	52			
Foremen, n.e.c.	270	223	171	40	358	662	281	1 585	20	582	24	57			
Mechanics and repairmen	184	184	96	40	33	131	65	30	6	34	4	7			
Automobile, including body					17	17				15		6			
Machinists, job setters, and toolmakers	10	4	7							15		7			
Metal craftsmen, except mechanics and machinists	6	17	7		5	31			12	17		77			
Painters, construction and maintenance, and plasterers and paperhangers	10	6	7		88	11			7	39	4	4			
Plumbers and pipe fitters					6	25			7	3		15			
Printing craftsmen						14				3		29			
Stationary engineers and power station operators		23	5	1 191	244	249	5	15	7	824	15	16			
Other craftsmen and kindred workers	796				438		157	215	76						
Operatives, except transport	93	104	83	45	302	1 323	322	1 093	61	718	41	89			
Assemblers				5	5	120			5	17					
Checkers, examiners, and inspectors; manufacturing						5									
Filers, polishers, sanders, and buffers						10									
Painters, manufactured articles						40									
Precision machine operators	33				33	102									
Welders and flamecutters	18	70	10	5	4	406			6	25		8			
Other specified operatives	4	9	4	8	155	658	275	979	41	482	10	31			
Machine operatives, miscellaneous specified	5	4	6	19	20	111	18	31	24	80	14	13			
Machine operatives, not specified	14	15	67	19	27	105	29	40	9	31	17	24			
Miscellaneous operatives	19	6		4	23	59		38		45		13			
Not specified operatives															

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
Total employed—Continued													
Transport equipment operatives	562	3 205	1 393	14	543	1 535	315	345	139	153	754	5	34
Deliverymen and routemen	5	260	5	5	11	672	235	106	35	135	358	5	5
Truck drivers	28	2 831	64	4	138	605	34	182	62	72	252	4	4
Other transport equipment operatives	529	114	1 324	5	394	258	26	57	42	6	144	—	25
Laborers, except farm	226	681	103	41	688	990	381	1 514	125	43	745	—	171
Freight, stock, and material handlers	32	623	67	27	283	751	346	1 439	—	26	360	—	—
Other specified laborers	11	12	15	11	280	66	20	19	104	9	231	—	128
Miscellaneous laborers	111	5	—	—	71	50	11	—	—	—	43	—	18
Not specified laborers	72	41	21	3	54	123	15	45	21	8	111	—	25
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	65	65	123	52	242	270	777	366	64	9 396	1 559	144	646
Personal service workers	21	47	53	41	118	159	119	125	41	256	139	103	444
Guards and watchmen	—	—	28	5	96	17	96	17	—	—	63	—	34
Other service workers, including private household	5	4	9	6	14	48	41	10	9	10	17	—	87
Other service workers, including private household	39	14	33	—	110	63	521	214	14	9 007	1 340	17	81
Female employed	132	695	632	2 732	1 126	3 892	8 328	3 700	690	7 161	9 253	6 067	6 882
Professional, technical, and kindred workers	11	5	10	250	100	141	203	17	12	50	251	275	220
Accountants	5	—	6	11	24	53	31	10	6	11	98	98	97
Computer specialists	—	—	—	22	11	4	—	—	—	—	4	40	13
Life and physical scientists	—	—	4	—	—	4	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	5	—	6	6	7	23	3	—	—	5	16	10
Social scientists	—	—	—	—	—	9	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	40	—	12	33	65	37	—	35	10	—	46
Other professional, technical, and kindred workers	6	—	171	—	47	31	84	4	6	—	162	111	54
Managers and administrators, except farm	16	34	44	96	15	127	409	236	22	393	692	163	422
Salaried	16	34	44	96	15	110	394	117	22	268	555	163	358
Self-employed	—	—	—	—	10	17	15	119	—	125	137	—	64
Sales workers	—	6	11	9	10	146	4 188	829	18	129	3 294	355	838
Clerical and kindred workers	86	535	261	2 247	861	2 827	2 449	1 892	558	659	3 345	5 189	5 192
Bookkeepers	5	60	15	79	44	57	293	132	242	144	544	208	657
Cashiers	—	9	—	65	12	17	668	1 369	37	355	666	52	162
Counter clerks, except food	—	—	—	21	4	76	70	—	—	—	19	5	—
File clerks	—	11	—	59	—	58	72	5	—	74	38	—	166
Office machine operators	4	28	—	59	77	141	89	41	4	4	124	395	362
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Receptionists	—	9	—	15	20	15	18	—	—	—	10	10	88
Secretaries	20	129	86	89	142	827	223	86	—	3	42	72	88
Stenographers	11	7	—	11	23	112	112	—	—	81	327	1 478	1 079
Typists	9	68	23	125	76	305	112	20	—	6	10	18	21
Other clerical and kindred workers	37	209	137	1 777	466	782	1 002	169	54	—	171	927	387
Craftsmen and kindred workers	—	9	—	73	23	139	142	83	32	33	314	28	20
Foremen, n.e.c.	—	9	—	18	9	47	98	17	—	—	63	15	10
Operatives, except transport	—	11	—	26	6	351	257	329	37	14	344	36	29
Assemblers	—	—	—	5	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	7	—	—	—	111	63	97	11	9	17	—	—
Other operatives, except transport	—	4	—	21	6	213	194	232	26	5	327	36	29
Transport equipment operatives	6	67	280	—	47	37	36	—	6	23	49	—	—
Laborers, except farm	9	14	4	9	14	76	59	164	—	9	75	—	5
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	4	14	22	22	50	48	585	220	5	5 851	889	41	156
Cleaning service workers	—	10	—	17	11	26	21	9	—	47	51	—	116
Personal service workers	—	—	18	5	11	17	96	62	—	62	57	10	10
Other service workers, including private household	4	4	4	—	39	22	468	194	5	5 742	781	17	30

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More

COLUMBUS SMSA

Occupation	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
Total employed	6 297	4 367	2 772	11 763	2 750	12 920	7 635	28 354	7 669	7 203	13 420	23 031
Professional, technical, and kindred workers	1 283	183	83	272	654	5 494	3 206	17 502	4 174	2 781	7 443	3 897
Accountants	128	10	40	17	19	38	16	68	5	89	852	737
Architects								23			241	25
Computer specialists								34			64	300
Engineers	71	2				5	5	153	34	9	918	435
Chemical	113	8		11	13	31	29	192	6	47	53	5
Civil	10						9		11	5	272	109
Electrical and electronic	14				6	6	5	84	10	5	103	51
Industrial	34	4		6		9	5	20		6	37	105
Mechanical	5			5			10	13		10	165	25
Other engineers	50	4			7	16	10	64	9	21	288	140
Mathematical scientists	5						5	22		5	32	85
Life and physical scientists	71			4		61	34	153		6	313	168
Life scientists	40					14	14	65			184	52
Personnel and labor relations workers	217	17	15	14	9	43	20	30	32	36	134	298
Social scientists	58	5		5		67	34	54	9	112	118	112
Engineering and science technicians	184	28	5	10	10	64	5	367	109	17	747	242
Professors	67	9		10		6	29	14		14	358	59
Industrial and mechanical engineering technicians	22				5			14	8		9	91
Electrical and electronic engineering technicians		7									5	4
Technicians, except health, and engineering and science	11					9		38	14		45	312
Writers, artists, and entertainers	285		6	122	357	10	35	208	74	251	512	177
Other professional, technical, and kindred workers	140	113	17	89	246	5 148	3 039	16 184	3 856	2 312	3 527	1 006
Managers and administrators, except farm	668	423	207	548	248	318	279	1 264	475	828	429	2 413
Buyers, purchasing agents, and sales managers	72	19	20	32	8	15		40		5	9	330
Other managers and administrators	596	404	187	516	240	303	279	1 224	466	823	420	2 083
Salaries	488	339	183	516	240	303	279	1 224	466	823	420	2 083
Self-employed	108	109	55	177	57	5	38		48	6	47	
Sales workers	383	122	73	346	73	53	12	40	48	89	105	64
Clerical and kindred workers	2 354	560	425	1 020	408	1 937	1 618	5 042	1 473	2 178	3 694	10 879
Bookkeepers	148	77	22	70	42	69	105	141	121	121	266	468
Cashiers	11	26	54	56	103	84	10	73	53	19	79	79
Estimators and investigators, n.e.c.	166	28	9					11		20	289	289
Office machine operators	213	18		19	3	56	60	39	39	55	57	689
Shipping and receiving clerks	26	4		4		8	19	19	16	16	16	92
Stock clerks and storekeepers	11	5	5	50	11	65	3	58	15	18	14	576
Other clerical and kindred workers	1 779	406	336	821	236	1 655	1 431	4 500	1 325	1 939	3 124	8 686
Craftsmen and kindred workers	351	1 974	42	297	201	288	175	643	123	102	230	1 049
Blacksmiths, forgers, hammermen, and boilermakers		9					7	9		2		
Brickmasons and stonemasons		2		5	5	44	11	28	18	11	7	53
Carpenters	4											16
Cranemen, derrickmen, and hoistmen												61
Electricians	9	13	5		6	40	5	39	9	7	31	31
Excavating, grading, and road machine operators	4											226
Foremen, n.e.c.	34	43	8	89	13	29	11	72	12	13	30	226
Mechanics and repairmen	128	1 506	9	57	64	39		21	20	20	58	385
Automobile, including body		964		4		5		141	10	10	27	104
Machinists, job setters, and toolmakers		10						10				18
Metal craftsmen, except mechanics and machinists	5											
Painters, construction and maintenance, and plasterers and paperhangers	13	11	4	21		42	5	66	35	4	10	30
Plumbers and pipe fitters	21					14		80	40	18	7	73
Printing craftsmen	11	4			7	14		50	14	15	7	40
Stationary engineers and power station operators								61				45
Other craftsmen and kindred workers	111	376	10	125	91	14	127	87	10	12	91	71
Operators, except transport	178	462	86	1 568	20	300	58	332	98	80	168	421
Checkers, examiners, and inspectors, manufacturing	4	15		5					5			10
Fillers, polishers, sanders and buffers			10	5								4
Painters, manufactured articles		63		7								11
Precision machine operatives		12			6							43
Welders and flamecutters	5	107	3	1 519		7		29			43	90
Other specified operatives	65	166	58	1 519		266	47	190	52		90	293
Machine operatives, miscellaneous specified	30	36	5	10		11		22			4	43
Machine operatives, not specified	11	3		13		11		17			11	14
Miscellaneous operatives	63	36	10	13	5	4		68	41		5	24
Not specified operatives				9								11

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

Detailed Characteristics	COLUMBUS SMSA — Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives	140	210	5	288	7	62	39	107	9	41	67	338
Deliverymen and roulemen	52	15	—	180	—	16	4	—	—	—	6	33
Truck drivers	78	32	—	51	—	23	17	56	5	34	8	189
Other transport equipment operatives	10	163	5	57	7	23	3	47	4	7	53	116
Laborers, except farm	154	292	9	246	211	81	41	123	58	95	107	566
Freight, stock, and material handlers	39	110	6	30	6	45	—	30	11	19	11	318
Other specified laborers	53	213	3	141	190	23	19	72	42	24	57	160
Miscellaneous laborers	216	34	—	5	—	—	—	—	—	—	—	—
Not specified laborers	62	35	6	70	15	13	22	21	11	52	39	88
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	786	141	1 902	7 178	928	4 387	2 207	3 301	1 211	1 009	1 177	3 404
Cleaning service workers	478	53	685	106	210	753	208	1 515	484	385	123	343
Personal service workers	13	16	395	2 722	301	395	90	364	189	237	11	133
Guards and watchmen	216	8	13	5	—	37	7	48	20	10	28	530
Other service workers, including private household	77	72	814	4 345	404	3 516	1 902	1 374	518	377	1 015	2 398
Female employed	2 856	735	1 730	8 623	1 002	9 786	5 213	16 539	4 868	3 993	5 950	8 349
Professional, technical, and kindred workers	388	62	27	149	192	4 141	1 488	10 075	2 672	1 120	1 740	723
Accountants	77	5	17	11	6	—	16	35	5	24	139	216
Computer specialists	16	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	16	—	—	—	—	23	—	46	20	8	8	47
Registered nurses, dietitians, and therapists	40	5	—	66	—	909	15	228	79	46	10	11
Social scientists	15	5	—	5	—	42	—	25	5	—	13	30
Writers, artists, and entertainers	71	—	—	45	67	21	11	109	53	110	125	27
Other professional, technical, and kindred workers	153	47	10	119	119	1 055	516	9 603	2 510	940	1 412	361
Managers and administrators, except farm	142	40	76	171	46	96	140	314	219	239	65	507
Salaried	100	35	58	139	31	96	41	314	198	239	41	507
Self-employed	42	7	18	32	15	—	26	—	21	—	24	—
Sales workers	107	22	11	236	48	39	—	16	10	53	53	21
Clerical and kindred workers	1 928	438	270	909	299	1 762	1 569	4 222	1 241	1 973	3 297	6 622
Bookkeepers	138	61	25	119	29	119	96	119	24	97	208	336
Cashiers	6	5	54	56	20	53	10	68	39	15	7	59
Counter clerks, except food	116	23	62	403	23	79	—	88	7	5	5	297
File clerks	157	5	5	10	—	6	18	30	30	74	69	520
Office machine operators	9	5	—	10	—	26	48	157	35	44	163	297
Bookkeeping and billing machine operators	92	10	4	12	—	14	—	17	107	—	5	35
Receptionists	405	111	56	55	27	149	413	1 279	45	111	90	45
Secretaries	20	5	5	589	74	589	558	1 368	432	918	1 657	1 083
Stenographers	298	5	14	25	14	18	3	32	15	205	15	205
Typists	675	213	56	212	62	560	158	206	86	235	206	435
Other clerical and kindred workers	31	59	6	39	—	53	22	59	16	20	21	54
Foremen, n.e.c.	11	—	—	5	—	13	—	5	—	—	10	13
Operatives, except transport	60	46	57	1 118	6	211	37	107	30	55	47	53
Assemblers	—	—	—	5	—	—	—	—	—	—	—	4
Checkers, examiners, and inspectors; manufacturing	15	—	—	26	—	—	—	4	—	5	4	18
Packers and wrappers, except meat and produce	45	46	57	1 087	6	211	37	103	30	50	43	31
Other operatives, except transport	39	15	—	18	—	—	—	34	—	3	3	5
Transport equipment operatives	15	6	—	45	6	43	7	9	5	6	—	37
Laborers, except farm	—	—	—	—	—	—	—	—	—	—	—	—
Farm workers	146	47	1 283	5 938	405	3 441	1 950	1 703	675	524	724	297
Cleaning service workers	108	8	494	42	43	367	101	494	224	105	65	37
Personal service workers	—	12	299	1 815	108	77	85	278	168	11	11	92
Other service workers, including private household	32	27	490	4 081	254	3 002	1 764	1 201	413	227	678	195

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Manufacturing											
	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction	Total	Furniture, lumber, and wood products	Stone, clay, glass, and products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
DAYTON SMSA												
Total employed	332 298	4 708	542	14 492	124 229	1 261	1 940	2 783	1 130	3 886	34 846	21 984
Professional, technical, and kindred workers.....	51 556	163	—	298	12 880	55	135	100	70	309	4 987	2 050
Accountants.....	56	—	—	10	1 136	—	16	11	6	54	296	3
Architects.....	182	—	—	—	898	—	6	—	—	27	595	75
Computer specialists.....	2 342	9	—	—	4 304	6	48	57	30	110	1 716	1 003
Engineers.....	8 486	243	—	—	183	—	13	6	4	5	30	17
Chemical.....	243	—	—	—	46	—	—	—	—	—	—	—
Civil.....	489	4	—	—	102	—	—	—	—	—	—	—
Electrical and electronic.....	7 842	—	—	—	785	—	20	18	6	19	345	372
Industrial.....	1 328	—	—	—	910	6	10	6	—	39	324	225
Mechanical.....	1 431	—	—	—	968	6	10	6	—	39	399	225
Other engineers.....	3 153	5	—	—	1 412	—	5	27	20	43	604	226
Mathematical specialists.....	183	—	—	—	55	—	—	—	—	—	14	27
Life and physical scientists.....	950	—	—	—	488	—	17	—	—	—	155	16
Chemists.....	623	—	—	—	409	—	17	—	—	—	128	16
Personnel and labor relations workers.....	1 353	—	—	—	443	4	—	—	4	11	171	84
Social scientists.....	528	—	—	—	219	—	—	—	—	—	126	19
Engineering and science technicians.....	3 781	13	—	—	2 404	28	32	23	24	53	970	404
Draftsmen.....	353	—	—	—	934	—	—	—	—	4	423	181
Electrical and electronic engineering technicians.....	1 990	—	—	—	515	—	—	—	—	—	291	175
Industrial and mechanical engineering technicians.....	1 990	—	—	—	174	—	—	—	—	—	67	16
Technicians, except health, and engineering and science writers, artists, and entertainers.....	3 412	24	—	—	61	—	6	5	—	4	23	—
Other professional, technical, and kindred workers.....	27 027	90	—	—	1 277	17	6	4	—	30	438	104
Managers and administrators, except farm buyers, purchasing agents, and sales managers.....	24 209	30	68	1 442	5 157	105	123	96	50	275	1 614	571
Other managers and administrators.....	19 995	4	68	1 391	3 209	42	20	25	—	59	934	150
Salaried.....	17 299	29	62	1 070	3 783	63	98	67	46	207	1 299	471
Self-employed.....	2 696	19	6	371	1 553	—	5	4	4	15	31	4
Sales workers	22 573	46	16	312	2 508	34	61	26	19	86	389	210
Clerical and kindred workers	61 304	186	54	1 194	16 363	165	287	195	141	463	5 067	2 433
Bookkeepers.....	6 021	37	4	358	1 237	10	41	20	22	62	299	189
Cashiers.....	4 144	8	—	—	395	—	5	9	—	—	—	—
Estimators and investigators, n.e.c.....	1 231	5	—	—	166	6	—	—	—	—	104	44
Office machine operators.....	2 829	11	5	6	395	6	29	5	5	19	433	222
Shipping and receiving clerks.....	1 732	—	—	—	981	26	19	29	10	25	239	177
Stock clerks and storekeepers.....	3 140	125	—	20	1 470	13	13	11	10	19	654	306
Other clerical and kindred workers.....	42 207	63	102	8 449	10 908	110	143	122	110	143	3 338	1 501
Craftsmen and kindred workers	46 719	63	—	—	25 977	361	341	975	251	848	7 252	4 369
Blacksmiths, forgemen, hammermen, and boilermakers.....	113	—	—	—	46	—	5	19	—	11	11	5
Bricklayers and stonemasons.....	649	—	—	—	470	—	7	9	—	1	9	—
Carpenters.....	2 400	16	3	1 752	270	36	26	17	6	14	46	26
Carpenters, derrickmen, and hoistmen.....	307	—	—	—	203	—	16	56	—	29	16	—
Electricians.....	1 786	—	—	797	773	11	10	13	6	8	190	177
Excavating, grading, and road machine operators.....	715	—	—	—	72	—	—	—	—	—	—	—
Forgemen and repairmen.....	7 642	42	21	530	5 208	96	64	204	67	177	1 269	1 099
Mechanics and repairmen.....	9 864	—	22	312	3 725	12	84	152	10	76	955	1 093
Automobile including body.....	3 118	—	5	45	298	6	5	10	—	9	11	27
Machinists, job setters, and toolmakers.....	7 188	5	—	24	6 996	16	49	95	47	344	3 767	1 145
Metal craftsmen, except mechanics and machinists.....	2 820	—	5	—	2 308	—	8	370	104	94	609	425
Painters, construction and maintenance, and plasterers and paperhangers.....	1 277	—	—	798	184	10	4	—	—	10	39	39
Plumbers and pipe fitters.....	1 451	—	4	—	330	—	4	—	—	—	59	103
Printing craftsmen.....	3 483	—	—	—	3 263	—	—	—	—	10	40	10
Stationary engineers and power station operators.....	575	—	—	5	251	—	20	15	—	—	54	45
Other craftsmen and kindred workers.....	8 449	43	6	1 775	2 381	180	44	20	11	70	194	148
Operative, except transport	59 546	43	120	685	51 209	390	632	909	526	1 638	13 682	11 170
Assemblers.....	10 574	—	—	5	10 452	46	66	29	15	244	3 591	3 591
Checkers, examiners, and inspectors; manufacturing.....	5 647	—	—	—	5 647	8	45	96	37	123	1 303	1 635
Filers, polishers, sanders, and buffers.....	939	—	—	—	893	10	10	10	34	112	401	401
Painters, manufactured articles.....	5 554	—	—	—	621	13	—	6	5	18	246	175
Precision machine operators.....	2 432	—	—	18	5 464	9	19	124	33	292	2 971	1 003
Welders and flamecutters.....	18 874	35	120	425	12 408	24	87	46	16	195	886	538
Other specified operatives.....	6 415	4	—	25	6 090	61	142	238	113	315	1 560	1 840
Machine operatives, miscellaneous specified.....	3 345	—	—	29	3 194	15	35	69	32	124	1 119	954
Machine operatives, not specified.....	2 883	—	—	20	2 311	19	44	36	31	148	375	568
Miscellaneous operatives.....	2 140	—	—	10	2 007	25	48	54	37	56	311	470

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Durable goods							Total
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies	
DAYTON SMSA—Continued												
Total employed—Continued												
Transport equipment operatives.....	11 411	57	120	490	38	226	120	35	118	568	361	
Deliverymen and routemen.....	2 733	10	9	9	14	78	18	29	29	78	18	
Truck drivers.....	4 895	29	91	409	35	182	53	27	59	188	133	
Other transport equipment operatives.....	3 783	18	20	72	3	30	49	6	30	302	210	
Laborers, except farm	11 458	406	53	1 591	71	139	250	38	76	727	367	
Freight, stock, and material handlers.....	6 023	6	34	47	32	55	80	10	28	469	283	
Other specified laborers.....	3 893	391	19	1 341	15	26	10	—	72	72	35	
Miscellaneous laborers.....	1 541	—	—	—	6	6	81	11	10	69	6	
Not specified laborers.....	1 099	5	—	3	18	52	79	17	28	117	43	
Farm workers	3 691	3 691	—	—	—	—	—	—	—	—	—	
Service workers, including private household	37 750	23	9	131	42	36	111	—	53	560	453	
Cleaning service workers.....	7 058	—	9	85	21	36	58	—	32	362	231	
Personal service workers.....	4 303	—	—	5	—	—	—	—	—	21	17	
Guards and watchmen.....	1 108	—	—	4	21	—	33	—	—	95	122	
Other service workers, including private household.....	25 079	23	—	37	—	—	20	—	21	82	83	
Female employed	122 688	710	34	1 084	356	405	159	178	773	5 655	4 256	
Professional, technical, and kindred workers	18 712	16	—	10	6	6	4	—	24	284	96	
Accountants.....	649	6	—	10	—	—	—	—	—	38	14	
Computer specialists.....	472	—	—	—	—	—	—	—	—	89	6	
Life and physical scientists.....	95	—	—	—	—	6	—	—	—	5	—	
Registered nurses, dietitians, and therapists.....	3 629	5	—	—	—	—	4	—	5	15	22	
Social scientists.....	67	—	—	—	—	—	—	—	—	5	—	
Writers, artists, and entertainers.....	960	—	—	—	—	—	—	—	—	35	—	
Other professional, technical, and kindred workers.....	12 840	5	—	—	—	—	—	—	14	97	54	
Managers and administrators, except farm	3 842	3	4	31	19	—	4	—	9	56	18	
Salaried.....	3 349	3	4	27	19	—	—	—	9	56	18	
Self-employed.....	493	—	—	4	—	—	4	—	—	—	—	
Sales workers	10 189	14	5	31	4	10	—	—	5	20	5	
Clerical and kindred workers	45 372	157	15	807	99	151	105	57	295	2 803	1 269	
Bookkeepers.....	4 916	27	—	266	5	36	20	11	46	185	114	
Cashiers.....	3 897	8	—	—	—	—	—	—	—	—	—	
Counter clerks, except food.....	1 967	—	—	—	5	—	—	—	—	73	6	
File clerks.....	1 213	—	—	—	—	—	—	—	—	—	—	
Office machine operators.....	2 024	5	—	10	6	16	6	—	14	283	134	
Bookkeeping and billing machine operators.....	232	—	—	6	—	—	—	—	—	29	—	
Receptionists.....	1 329	21	—	29	—	5	10	—	4	15	33	
Secretaries.....	11 640	18	11	375	49	41	27	16	112	948	415	
Stenographers.....	4 464	—	—	5	—	—	7	—	11	39	37	
Typists.....	4 586	—	—	33	23	24	19	15	20	404	227	
Other clerical and kindred workers.....	14 336	78	4	83	6	29	16	15	84	695	271	
Craftsmen and kindred workers	2 526	—	—	115	66	10	25	17	48	201	202	
Foremen, n.e.c.....	497	—	—	4	11	—	—	—	3	54	32	
Operatives, except transport	15 367	33	10	19	159	205	4	98	353	2 164	2 568	
Assemblers.....	3 408	—	—	—	40	26	9	—	117	942	1 112	
Checkers, examiners, and inspectors; manufacturing.....	1 545	—	—	—	8	25	—	5	23	188	343	
Packers and wrappers, except meat and produce.....	1 108	15	—	—	—	6	—	—	—	15	58	
Other operatives, except transport.....	9 306	18	10	19	111	148	4	84	213	1 019	1 055	
Transport equipment operatives	951	—	—	4	3	6	—	—	4	32	11	
Laborers, except farm	1 013	30	—	24	—	10	—	6	17	39	31	
Farm workers	434	434	—	—	—	—	—	—	—	—	—	
Service workers, including private household	24 282	23	—	43	—	7	17	—	18	56	56	
Cleaning service workers.....	2 091	—	—	33	—	7	—	—	6	20	30	
Personal service workers.....	3 170	—	—	5	—	—	—	—	—	5	—	
Other service workers, including private household.....	19 021	23	—	5	—	—	17	—	12	31	22	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
DAYTON SMSA													
Total employed	10 147	1 868	481	1 144	6 999	3 797	647	463	4 706	11 909	2 230	8 896	3 112
Professonal, technical, and kindred workers	824	316	22	468	619	80	18	9	452	974	425	765	202
Architects	101	28	—	5	23	35	5	3	106	97	45	111	15
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers	29	6	6	5	—	—	—	—	—	75	4	30	—
Chemical	355	176	—	116	95	14	—	—	83	62	84	319	30
Civil	15	—	—	18	—	—	—	—	—	—	43	46	—
Electrical and electronic	16	5	—	4	—	—	—	—	—	—	6	—	—
Industrial	73	15	—	15	15	—	—	—	5	—	15	12	—
Mechanical	176	26	—	21	9	—	—	—	25	26	5	91	11
Other engineers	75	130	—	31	9	—	—	—	25	13	5	66	—
Mathematizal specialists	—	—	—	27	56	14	—	—	28	23	15	100	19
Life and physical scientists	—	5	—	9	—	—	—	—	5	—	—	—	—
Chemists	—	5	—	87	9	—	—	—	34	4	128	33	—
Personnel and labor relations workers	14	5	—	59	—	—	—	—	34	—	117	33	—
Social scientists	5	5	—	11	—	5	5	—	50	31	12	25	5
Engineering and science technicians	221	68	4	169	6	26	3	—	17	29	104	139	10
Draftsmen	81	54	—	8	—	—	—	—	60	19	5	47	4
Electrical and electronic engineering technicians	10	5	—	21	—	—	—	—	5	5	4	—	—
Industrial and mechanical engineering technicians	43	6	—	—	—	—	—	—	6	5	5	5	6
Technicians, except health, and engineering and science	45	12	—	—	—	—	—	—	23	503	7	34	9
Writers, artists, and entertainers	54	—	—	30	—	—	—	—	45	119	41	56	133
Other professional, technical, and kindred workers	211	89	46	104	189	212	27	45	220	627	170	294	89
Managers and administrators, except farm	62	21	—	23	23	38	11	6	56	160	60	56	24
Buyers, purchasing agents, and sales managers	149	68	46	81	166	154	16	39	184	467	110	238	65
Other managers and administrators	144	68	4	81	147	140	16	34	164	435	105	238	60
Self-employed	5	—	3	—	19	14	—	5	—	32	5	—	5
Sales workers	42	38	22	6	128	210	6	37	166	565	232	47	184
Clerical and kindred workers	748	263	44	174	711	321	50	36	836	2 457	371	1 097	543
Bookkeepers	42	12	7	25	34	67	3	4	43	151	67	120	17
Cashiers	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	11	17	—	—	—	—	—	—	5	5	—	8	—
Office machine operators	26	13	5	6	16	25	4	6	25	127	—	26	5
Shipping and receiving clerks	70	5	—	8	—	—	—	—	104	290	20	112	10
Stock clerks and storekeepers	99	29	10	5	18	47	5	94	38	94	35	112	21
Other clerical and kindred workers	500	187	22	138	635	170	31	26	70	1 743	29	112	5
Craftsmen and kindred workers	2 486	304	117	180	1 425	501	91	10	822	3 879	234	1 322	289
Blacksmiths, forgers, hammermen, and boilermakers	21	—	—	—	—	—	—	—	—	7	—	—	—
Brickmasons and stonemasons	3	—	—	5	—	—	—	—	—	—	—	—	—
Carpenters	21	—	38	4	17	—	—	—	6	4	5	9	—
Cranemen, derrickmen, and hoistsmen	20	—	—	—	7	—	—	—	10	—	—	—	—
Electricians	79	6	13	5	6	11	—	—	27	51	9	94	—
Excavating, grading, and road machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Farmers, n.e.c.	467	66	10	39	112	131	65	4	289	415	109	503	22
Mechanics and repairmen	457	48	10	22	57	102	21	4	170	214	24	236	4
Automobile, including body	5	—	—	—	6	36	—	—	—	4	—	15	—
Machinists, tool setters, and toolmakers	891	120	6	16	88	12	5	—	78	64	39	196	18
Metal craftsmen, except mechanics and machinists	316	37	11	55	85	6	—	—	50	24	10	87	17
Painters, construction and maintenance, and plasterers and paperhangers	19	—	—	4	10	6	—	—	5	16	—	22	—
Plumbers and pipe fitters	33	—	20	10	10	5	—	—	4	37	—	45	—
Printing craftsmen	28	—	—	—	14	—	—	—	119	2 993	—	26	23
Stationary engineers and power station operators	18	—	—	6	4	11	—	—	26	—	11	41	—
Other craftsmen and kindred workers	54	27	19	14	1 015	217	14	6	38	54	22	43	205
Operatives, except transport	5 104	759	165	158	3 235	1 486	407	311	1 741	2 230	621	4 680	1 345
Assemblers	1 322	173	78	30	87	85	—	4	88	41	88	607	70
Checkers, examiners, and inspectors; manufacturing	881	156	—	21	81	44	—	7	63	99	63	743	183
Filers, polishers, sanders, and buffers	44	30	—	—	22	—	—	—	13	—	—	35	—
Painters, manufactured articles	36	—	—	11	—	—	—	—	24	—	—	61	—
Precision machine operatives	595	187	—	15	53	—	—	—	18	22	3	108	10
Welders and flamecutters	260	9	6	—	7	4	—	—	3	4	5	25	5
Other specified operatives	827	82	24	36	266	866	366	253	498	517	281	598	926
Machine operatives, miscellaneous specified	344	51	12	4	61	310	16	16	596	715	147	598	70
Machine operatives, not specified	479	32	12	6	45	75	—	17	214	284	36	206	32
Miscellaneous operatives	158	19	25	2	45	138	—	4	147	383	31	447	11
Not specified operatives	158	20	20	15	45	20	—	10	79	121	7	413	38

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text!)

	Manufacturing—Continued													
	Durable goods—Continued							Nondurable goods						
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing	
The State														
Standard Metropolitan Statistical Areas of 250,000 or More														
DAYTON SMSA—Continued														
Total employed—Continued														
Transport equipment operatives	261	11	23	16	188	655	—	—	192	290	38	199	121	
Deliverymen and roulemen	177	7	—	—	11	465	—	—	29	120	—	—	7	
Truck drivers	103	—	20	16	16	153	—	—	39	104	22	62	30	
Other transport equipment operatives	141	4	3	—	161	37	—	—	124	66	16	137	84	
Labors, except farm	242	41	15	—	280	220	28	9	191	701	71	301	127	
Freight, stock, and material handlers	143	6	5	—	24	144	6	9	129	634	48	152	11	
Other specified laborers	55	—	10	—	240	16	—	—	21	19	11	37	84	
Miscellaneous laborers	—	15	—	—	—	8	3	—	—	15	—	40	10	
Not specified laborers	44	20	—	—	16	52	19	—	41	33	12	72	22	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	309	47	27	38	224	112	20	6	86	186	68	191	212	
Personal service workers	183	36	21	11	91	91	10	6	55	117	36	111	58	
Guards and watchmen	19	—	—	5	4	—	—	—	—	—	—	—	—	
Other service workers, including private household	91	6	6	—	129	3	10	—	15	27	17	53	—	
Other service workers, including private household	16	11	—	22	—	18	—	—	16	42	15	16	154	
Female employed	1 516	443	52	338	1 584	950	315	355	1 165	3 495	541	2 660	1 115	
Professional, technical, and kindred workers	47	—	—	80	32	9	13	6	52	247	67	53	29	
Accountants	11	—	—	—	7	—	5	—	17	31	—	23	—	
Computer specialists	—	—	—	—	—	—	—	—	9	14	4	4	—	
Life and physical scientists	—	—	—	3	—	—	—	—	—	—	5	—	—	
Registered nurses, dietitians, and therapists	17	—	—	5	6	—	—	—	—	15	10	4	—	
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers	—	—	—	5	—	—	—	—	—	—	—	—	—	
Other professional, technical, and kindred workers	19	—	—	67	15	9	8	6	26	23	45	17	25	
Managers and administrators, except farm	—	9	—	—	22	19	5	5	—	70	10	4	—	
Salaried	—	9	—	—	22	15	5	5	—	66	10	4	—	
Self-employed	—	—	—	—	—	4	—	—	—	4	—	—	—	
Sales workers	—	—	—	—	11	36	—	—	15	146	14	8	7	
Clerical and kindred workers	366	173	34	144	469	230	36	36	545	1 711	233	602	371	
Bookkeepers	31	6	7	25	23	61	5	4	19	124	59	80	8	
Cashiers	—	—	—	—	—	3	—	—	—	—	—	—	—	
Counter clerks, except food	5	—	—	—	5	—	—	—	4	73	—	—	—	
File clerks	9	5	—	—	19	5	5	—	24	65	12	22	5	
Office machine operators	17	9	5	6	10	25	—	6	71	179	16	84	5	
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	11	—	7	—	
Receptionists	—	10	—	—	15	—	—	—	5	41	5	—	—	
Secretaries	177	88	22	46	121	43	4	15	176	250	97	166	63	
Stenographers	6	10	—	5	—	3	—	—	4	21	—	20	—	
Typists	46	7	—	38	34	18	—	6	108	274	19	88	25	
Other clerical and kindred workers	75	38	—	24	242	72	22	—	134	679	25	142	257	
Craftsmen and kindred workers	149	29	4	14	68	26	5	4	43	325	9	52	7	
Foremen, n.e.c.	9	—	—	10	33	5	—	4	5	24	9	9	—	
Operatives, except transport	917	218	14	86	919	594	250	295	492	737	196	1 845	575	
Assemblers	380	30	14	30	60	16	—	4	35	34	35	407	35	
Checkers, examiners, and inspectors, manufacturing	227	50	—	9	27	16	35	7	27	42	39	360	79	
Packers and wrappers, except meat and produce	18	—	—	—	42	380	10	5	78	69	69	48	7	
Other operatives, except transport	292	84	—	47	755	182	205	279	352	592	53	1 030	454	
Transport equipment operatives	9	—	—	—	—	5	—	—	—	43	—	13	—	
Labors, except farm	11	9	—	—	17	17	6	9	12	167	—	41	26	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	17	5	—	14	46	14	—	—	6	49	12	42	100	
Cleaning service workers	4	—	—	—	6	3	—	—	6	21	5	15	18	
Personal service workers	4	—	—	—	4	—	—	—	—	—	—	—	—	
Other service workers, including private household	9	5	—	14	36	11	—	—	—	28	7	16	82	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Occupation	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communi-cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
DAYTON SMSA													
Total employed	652	3 727	2 562	3 546	4 393	9 671	12 008	7 449	6 644	10 023	15 028	3 057	8 124
Professional, technical, and kindred workers	—	—	165	401	441	413	231	84	32	112	577	47	763
Accountants	—	—	31	5	66	65	37	19	21	—	47	15	77
Architects	—	—	—	—	6	—	—	—	—	—	—	—	5
Computer specialists	—	—	—	—	5	—	—	—	—	—	—	—	3
Engineers	—	—	3	121	190	161	—	7	—	—	9	5	16
Chemical	—	—	—	—	5	—	—	—	—	—	—	—	11
Civil	—	—	—	—	10	5	—	3	—	—	—	—	5
Electrical and electronic	—	—	—	90	31	6	—	—	—	—	—	—	5
Industrial	—	—	—	—	88	6	—	—	—	—	—	—	—
Mechanical	—	—	3	—	32	13	—	4	—	—	—	—	—
Other engineers	—	—	—	22	29	132	—	—	—	—	9	—	6
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	4	—	—	—	—	—	—	—	4
Chemists	—	—	—	—	6	—	—	—	—	—	—	—	—
Personnel and labor relations workers	—	—	8	26	11	—	87	28	5	10	—	—	11
Social scientists	—	—	—	—	5	—	—	—	—	—	—	—	—
Engineering and science technicians	—	—	7	87	70	30	—	—	—	—	—	—	13
Draftsmen	—	—	7	—	29	21	—	—	—	—	—	—	5
Electrical and electronic engineering technicians	—	—	—	72	8	11	—	—	—	—	—	—	7
Industrial and mechanical engineering technicians	—	—	—	—	8	10	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	—	—	77	18	4	8	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	33	144	16	27	65	—	—	102	33	—	9
Other professional, technical, and kindred workers	—	—	6	—	58	29	37	30	6	—	445	—	23
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	103	315	129	214	209	1 399	1 326	958	1 214	1 318	1 878	243	1 302
Other managers and administrators	—	—	13	25	35	32	820	240	513	106	516	46	46
Salaried	103	282	116	189	174	886	506	718	1 108	1 306	1 442	178	1 357
Self-employed	103	263	116	189	174	123	479	510	1 065	890	1 065	143	1 245
Other professional, technical, and kindred workers	—	—	—	—	—	—	27	208	443	416	397	27	89
Sales workers													
Managers and administrators, except farm	11	60	10	50	65	2 468	5 511	937	1 045	5 209	5 209	1 518	1 647
Bookkeepers	132	598	676	1 675	1 134	2 364	2 792	2 132	677	639	3 104	1 213	3 856
Cashiers	13	115	89	74	73	377	324	123	252	119	664	123	545
Estimators and investigators, n.e.c.	7	26	5	14	36	28	878	1 599	33	373	447	5	123
Office machine operators	6	11	5	16	23	—	83	—	53	6	5	34	118
Shipping and receiving clerks	7	10	17	20	49	23	—	—	18	6	—	—	281
Stock clerks and storekeepers	10	75	14	13	34	203	145	29	16	10	26	4	—
Other clerical and kindred workers	96	356	544	1 538	889	1 465	1 094	179	305	102	1 728	1 041	2 803
Craftsmen and kindred workers													
Blacksmiths, forgers, hammermen, and boilermakers	213	217	207	1 094	1 441	739	628	270	1 551	56	1 415	21	204
Brickmasons and stonemasons	—	4	—	—	4	—	—	—	—	—	6	—	—
Carpenters	—	6	—	—	7	8	30	—	—	—	56	—	59
Cranemen, derrickmen, and hoistmen	—	—	—	—	16	21	17	—	—	—	6	—	5
Electricians	—	—	—	4	120	5	—	—	—	—	—	—	13
Excavating, grading, and road machine operators	26	79	4	105	302	233	198	50	92	21	104	16	21
Foremen, n.e.c.	39	109	79	24	267	345	180	19	1 402	5	296	5	28
Mechanics and repairmen	—	109	53	24	33	74	42	15	1 353	5	14	—	—
Automobile, including body	—	—	—	—	—	14	—	—	5	—	—	—	—
Machinists, job setters, and toolmakers	—	—	—	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	5	—	—	5	7	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	—	—	—	—	—	12	16	—	28	—	6	—	28
Plumbers and pipe fitters	—	—	—	11	25	9	5	10	—	—	35	—	11
Printing craftsmen	—	—	—	5	—	—	—	—	—	—	—	—	6
Stationary engineers and power station operators	148	14	14	945	462	85	182	191	24	30	891	—	28
Other craftsmen and kindred workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Operatives, except transport													
Assemblers	4	66	109	13	113	585	299	979	1 679	86	507	—	13
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	24	4	—	6	—	28	—	3
Filers, polishers, sanders, and buffers	—	—	—	—	—	9	—	—	21	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	—	5	—	32	—	12	—	—
Precision machine operatives	—	—	—	4	—	—	—	—	10	—	—	—	—
Welders and flamecutters	—	—	—	—	14	27	—	—	18	—	9	—	—
Other specified operatives	—	50	15	—	61	321	262	901	1 529	54	367	—	10
Machine operatives, miscellaneous specified	—	9	6	—	4	64	19	26	—	4	35	—	—
Machine operatives, not specified	—	7	88	—	13	37	—	11	—	—	10	—	—
Miscellaneous operatives	—	—	—	13	16	—	9	41	24	—	15	—	—
Not specified operatives	4	—	—	—	5	—	—	—	10	4	26	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970 - Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communitations	Utilities and sanitary services	Wholesale trade	Retail trade					Insurance	Finances and real estate
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		
DAYTON SMSA - Continued													
Total employed - Continued													
Transport equipment operatives	120	2 081	1 154	12	349	1 086	219	205	137	58	621	33	
Deliverymen and routemen	4	146	10	12	641	689	189	146	69	38	353	5	
Truck drivers	116	1 896	1 130	1	154	309	22	309	59	15	206	19	
Other transport equipment operatives		37			195	136	8	29	29	5	62	9	
Labors, except farm	62	357	59	5	411	485	313	1 632	218	72	485	126	
Freight, stock, and material handlers	14	335	42	5	206	369	302	1 580	4	20	256	8	
Other specified laborers	4	5	13	5	128	50	31	6	195	6	170	89	
Miscellaneous laborers	36	4	7	1	57	11	13	5	19	10	35	5	
Not specified laborers	8	17	4	1	20	55	11	21	19	46	46	24	
Farm workers													
Service workers, including private household	7	32	53	82	230	132	689	252	71	7 426	1 132	700	
Cleaning service workers		32	11	69	93	97	115	65	56	226	159	524	
Personal service workers	2		15	5	10	4	84	28	6	102	22	28	
Guards and watchmen			6	1	19	4	23	159	9	10	951	113	
Other service workers, including private household	5		21	8	108	31	467			7 088			
Female employed	35	369	1 058	1 785	772	2 239	8 941	3 148	699	6 762	7 452	4 489	
Professionals, technical, and kindred workers													
Accountants			35	64	32	49	166	26	10	55	73	63	
Computer specialists			11		10	19	32		10		28	15	
Life and physical scientists						16						35	
Registered nurses, dietitians, and therapists					6			12					
Social scientists, statisticians, and mathematicians													
Writers, artists, and entertainers			11	34		14	40	14		55	14	6	
Other professional, technical, and kindred workers			13	30	16		94				31	22	
Managers and administrators, except farm		24	43	52	20	93	548	148	45	441	465	209	
Self-employed		24	43	52	20	78	534	88	38	276	370	182	
						15	14	60	7	165	95	27	
Sales workers	11	5	11	11	4	152	4 702	646	58	153	2 970	579	
Clerical and kindred workers	20	291	427	1 556	640	1 671	2 466	1 745	501	527	2 529	3 288	
Bookkeepers		75	84	317	55	317	812	104	189	104	507	123	
Cashiers		26	7	14	36	28	870	1 494	33	334	415	118	
Counter clerks, except food		6	6	44	21	39	95	6	6	6	6		
File clerks			27	38	21	72	72	4	28	8	34	73	
Office machine operators		10	17	20	39	64	38	29	18	6	17	224	
Bookkeeping and billing machine operators		5		16	3	30			8		14	87	
Receptionists		76	84	67	103	529	146	30	118	24	43	27	
Secretaries	6			12	14	14	77	16	21	7	129	12	
Typewriters	5	46	33	74	128	77	847	62	88	39	114	223	
Other clerical and kindred workers	9	56	169	1 202	246	426					1 023	1 315	
Craftsmen and kindred workers			4	41	5	17	207	74	14	36	280	21	
Foremen, n.e.c.			4	24	5	4	113	9		14	24	5	
Operatives, except transport		17		130			244	286	49	24	263		
Assemblers											6		
Checkers, examiners, and inspectors; manufacturing								45		24	17		
Packers and wrappers, except meat and produce		10		58			82	241	49		240		
Other operatives, except transport		7		72			162						
Transport equipment operatives	4	23	536		52	13	33	5	8	6	20		
Labors, except farm		4				61	79	91	8	18	61	14	
Farm workers													
Service workers, including private household		5	13	61	19	53	496	127	6	5 502	791	315	
Cleaning service workers		5	5	52	9	32	20	20	6	60	62	206	
Personal service workers			8	5	4	71	71	6	6	59	22	5	
Other service workers, including private household				4	6	21	405	127		5 383	707	104	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More		DAYTON SMSA											
Total employed		Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
Accountants	5 701	4 137	1 788	10 416	2 128	10 499	5 671	15 527	8 198	4 213	7 499	25 666	
Architects	1 388	83	72	240	455	3 814	2 319	9 932	4 463	1 641	3 732	7 410	
Computer specialists	140	4	41	5	—	10	14	29	16	6	565	427	
Engineers	146	—	—	—	—	—	5	22	—	—	117	14	
Chemical	215	16	—	—	5	14	19	5	35	6	46	1 069	
Civil	5	—	—	—	—	—	—	—	—	—	—	2 814	
Electrical and electronic	60	—	—	—	—	—	9	5	5	—	56	37	
Industrial	28	—	—	—	—	—	—	—	11	—	33	221	
Mechanical	23	—	—	—	—	—	5	—	14	—	33	743	
Other engineers	90	16	—	—	—	—	5	—	5	6	311	349	
Mathematical specialists	8	—	—	—	—	—	—	—	—	—	208	1 153	
Life physical scientists	52	—	—	—	—	—	—	—	9	—	13	90	
Chemists	28	—	—	—	—	—	20	30	17	—	84	216	
Personnel and labor relations workers	138	—	—	—	—	—	10	10	6	—	51	98	
Social scientists	23	—	—	17	5	—	3	32	5	—	6	395	
Engineering and science technicians	232	12	—	—	—	—	3	26	20	—	31	104	
Draftsmen	61	12	—	—	—	—	13	21	68	—	307	441	
Electrical and electronic engineering technicians	63	12	—	—	—	—	—	—	5	—	57	182	
Industrial and mechanical engineering technicians	5	—	—	—	—	—	—	—	—	—	28	264	
Technicians, except health, and engineering and science	16	6	—	—	—	—	—	—	—	—	—	9	
Writers, artists, and entertainers	292	45	20	24	277	10	12	6	20	6	27	217	
Other professional, technical, and kindred workers	90	45	11	48	168	3 659	2 228	9 722	4 137	1 429	1 922	1 247	
Managers and administrators, except farm	590	388	168	445	171	180	176	716	514	429	172	2 856	
Buyers, purchasing agents, and sales managers	20	29	10	13	13	26	26	21	18	5	12	449	
Other managers and administrators	570	359	158	320	171	154	176	496	496	424	160	2 407	
Shipyard	528	258	116	320	142	154	125	695	480	424	155	2 407	
Self-employed	42	101	42	112	29	—	51	—	16	—	5	—	
Sales workers	379	117	28	146	47	—	14	8	62	42	52	89	
Clerical and kindred workers	1 898	502	289	1 035	322	1 643	983	2 137	1 553	1 098	2 131	8 913	
Bookkeepers	189	80	37	79	43	55	77	123	43	92	178	328	
Cashiers	5	34	38	15	93	101	—	122	39	12	6	79	
Estimators and investigators, n.e.c.	94	10	—	15	—	—	—	38	—	—	102	389	
Office machine operators	207	—	—	14	—	—	6	—	92	20	—	—	
Shipping and receiving clerks	30	—	—	12	—	—	—	—	—	—	—	—	
Stock clerks and storekeepers	25	5	—	10	—	—	7	6	—	—	—	—	
Other clerical and kindred workers	1 348	373	214	831	176	1 402	893	1 893	1 350	944	1 788	7 146	
Craftsmen and kindred workers	397	2 057	58	257	207	275	176	228	137	79	131	2 070	
Blacksmiths, forgers, hammermen, and boilermakers	—	23	—	—	—	—	—	—	—	—	—	—	
Brickmasons and stonemasons	14	—	4	5	—	5	—	—	16	12	—	11	
Carpenters	11	—	—	—	—	—	—	—	—	—	—	89	
Cranemen, derrickmen, and hoistmen	25	—	8	—	5	23	—	—	—	10	5	73	
Electricians	76	45	9	75	10	36	3	5	—	13	10	56	
Excavating, grading, and road machine operators	110	535	17	26	82	53	—	50	26	4	27	336	
Foremen, n.e.c.	9	951	—	—	—	—	—	46	46	—	—	826	
Mechanics and repairmen	17	38	—	—	6	7	—	27	5	—	4	80	
Automobile, including body	—	—	—	—	—	—	—	—	—	—	—	67	
Machinists, job setters, and toolmakers	12	—	—	—	—	—	—	—	—	—	—	—	
Metal craftsmen, except mechanics and machinists	6	—	—	—	—	—	—	—	—	—	—	84	
Painters, construction and maintenance, and plasterers and paperhangers	10	25	—	4	4	39	6	11	12	5	—	95	
Plumbers and pipe fitters	46	—	—	6	—	13	—	12	5	4	—	68	
Printing craftsmen	3	5	10	—	—	15	—	8	—	—	—	74	
Stationary engineers and power station operators	92	361	10	141	100	32	167	54	26	19	71	200	
Other craftsmen and kindred workers	297	325	27	1 185	31	324	61	88	58	51	73	536	
Assemblers	20	13	—	6	—	—	—	—	8	—	—	5	
Checkers, examiners, and inspectors; manufacturing	—	4	—	—	—	—	—	—	—	—	—	—	
Fillers, polishers, sanders, and buffers	—	59	—	6	—	—	—	—	—	—	—	—	
Painters, manufactured articles	—	39	—	—	—	—	—	—	—	—	—	—	
Precision machine operatives	—	63	—	—	—	—	—	—	—	—	—	—	
Welders and flamecutters	4	87	23	1 157	5	17	—	14	—	—	—	14	
Other specified operatives	163	—	—	—	—	—	—	9	28	—	—	347	
Machine operatives, miscellaneous specified	24	6	—	4	15	5	4	—	—	—	—	29	
Machine operatives, not specified	22	6	—	10	6	—	—	—	—	—	—	16	
Miscellaneous operatives	60	42	4	10	6	—	—	—	—	—	—	100	
Not specified operatives	4	—	—	2	—	—	—	—	—	—	—	14	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	DAYTON SMSA — Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Total employed—Continued												
Transport equipment operatives	48	226	11	207	13	18	16	46	19	28	36	500
Deliverymen and routemen	23	22	7	146	9	7	12	14	9	—	5	39
Truck drivers	22	53	4	21	4	6	4	22	10	23	31	227
Other transport equipment operatives	4	151	—	58	—	5	—	10	—	—	—	234
Laborers, except farm	76	228	15	128	81	95	26	26	19	50	14	529
Freight, stock, and material handlers	26	68	5	68	26	53	5	10	4	27	—	344
Other specified laborers	10	198	10	39	68	37	6	16	15	13	14	144
Miscellaneous laborers	5	15	—	—	—	—	—	—	—	—	—	10
Not specified laborers	37	3	—	21	13	5	15	—	—	10	—	31
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	625	211	1 120	6 753	791	4 150	1 900	2 346	1 373	795	1 158	2 763
Cleaning service workers	398	34	532	81	137	419	138	406	406	371	947	436
Personal service workers	21	11	195	2 819	278	103	177	177	268	217	10	39
Goods and mail carriers	146	11	5	10	11	41	—	5	24	33	5	181
Other service workers, including private household	60	155	388	3 843	365	3 587	1 746	1 217	675	174	1 100	2 107
Female employed	2 536	823	1 196	8 036	949	8 405	4 085	10 503	5 027	2 180	4 141	7 886
Professional, technical, and kindred workers	254	10	32	110	219	3 104	1 154	6 840	2 523	546	1 113	1 138
Accountants	59	—	18	5	—	5	14	—	—	—	—	123
Computer specialists	30	—	—	—	—	—	—	—	31	—	—	240
Life and physical scientists	4	—	—	—	—	27	—	—	6	—	—	5
Registered nurses, dietitians, and therapists	18	—	—	23	—	2 413	794	129	40	33	11	42
Social scientists	—	—	—	—	—	6	—	9	5	—	—	32
Writers, artists, and entertainers	38	—	14	44	90	—	7	—	31	125	94	117
Other professional, technical, and kindred workers	105	10	—	38	129	653	—	6 668	2 410	383	886	579
Managers and administrators, except farm	108	28	62	104	42	74	88	148	136	132	49	459
Salaried	103	21	48	80	37	74	59	148	130	132	49	459
Self-employed	5	7	14	24	5	—	29	—	6	—	—	—
Sales workers	123	61	28	118	26	—	8	8	20	27	26	40
Clerical and kindred workers	1 651	440	238	955	274	1 541	948	2 014	1 330	1 014	1 977	5 731
Bookkeepers	162	80	74	28	57	45	77	69	43	87	162	361
Cashiers	5	30	38	68	70	94	—	122	34	5	6	21
Counter clerks, except food	5	11	102	391	18	6	—	7	5	4	—	19
File clerks	66	—	—	5	—	50	—	45	65	8	—	194
Office machine operators	173	—	—	14	—	20	6	21	77	—	—	232
Bookkeeping and billing machine operators	11	—	—	5	—	—	—	—	—	—	—	16
Receptionists	63	5	6	214	7	214	368	35	54	70	57	33
Secretaries	448	87	20	62	35	362	773	517	574	785	1	535
Stenographers	17	—	—	—	—	25	—	10	—	—	—	175
Typists	215	20	—	21	14	191	—	211	180	130	—	942
Other clerical and kindred workers	497	207	48	247	73	451	65	721	355	118	745	2 219
Craftsmen and kindred workers	56	44	5	77	4	16	55	28	31	9	10	68
Foremen, n.e.c.	15	—	—	26	4	5	—	—	5	—	—	28
Operatives, except transport	129	84	27	902	15	222	42	26	28	29	30	69
Assemblers	11	5	—	6	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	26	—	—	11	—	—	—	—	—	—	—	—
Other operatives, except transport	92	79	27	885	15	222	42	5	28	29	30	59
Transport equipment operatives	10	16	7	15	5	—	12	4	13	5	24	10
Laborers, except farm	15	17	—	45	—	41	10	—	4	—	6	67
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	190	123	797	5 710	364	3 407	1 768	1 435	942	418	906	304
Cleaning service workers	141	8	438	2 017	27	269	92	137	232	133	5	77
Personal service workers	16	6	152	97	22	64	16	146	122	173	10	28
Other service workers, including private household	33	109	207	3 676	245	3 074	1 660	1 152	588	112	891	199

The State Standard Metropolitan Statistical Areas of 250,000 or More

DAYTON SMSA — Continued

Total employed—Continued

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Occupation	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Furniture, lumber, and wood products	Stone, clay, and glass products	Durable goods			Fabricated metal industries, including non-specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
							Primary ferrous industries	Primary nonferrous industries	Primary ferrous industries			
Total	697	3 009	5 616	2 470	922	899	562					
Total employed	83 937	1 081	1 014	5 904	25 116	697	3 009	5 616	2 470	922	899	562
Professional, technical, and kindred workers	11 212	49	131	503	1 830	27	60	273	364	42	38	36
Accountants	724	5	31	13	190	8	4	12	17	11	—	3
Architects	16	—	—	—	—	—	—	—	—	—	—	—
Computer specialists	181	—	—	—	—	—	—	—	—	—	—	—
Engineers	1 118	—	30	324	395	—	14	82	102	7	20	4
Chemical	382	—	—	—	51	—	—	11	—	—	—	—
Civil	19	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	149	—	—	266	129	—	3	—	5	—	—	—
Industrial	170	—	—	—	12	—	—	10	—	—	—	—
Mechanical	124	—	6	19	120	—	11	33	37	—	—	4
Other engineers	219	—	24	13	87	—	—	13	13	—	11	—
Mathematical specialists	21	—	—	—	—	—	—	15	—	6	9	—
Life and physical scientists	322	4	11	5	11	—	—	—	—	—	—	—
Life scientists	285	4	7	11	248	—	4	42	64	—	—	—
Personnel and labor relations workers	357	5	9	—	243	—	4	37	64	—	—	—
Social scientists	896	—	—	—	133	—	19	30	18	4	5	—
Engineering and science technicians	806	6	19	85	431	—	14	66	90	5	7	24
Draftsmen	204	—	6	30	13	—	—	28	16	—	—	17
Electrical and electronic technicians	150	—	—	10	32	—	—	10	9	—	—	7
Industrial and mechanical engineering technicians	5	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	452	—	—	18	5	—	5	—	—	—	—	—
Writers, artists, and entertainers	7 019	29	11	47	142	—	—	14	22	—	—	5
Other professional, technical, and kindred workers	6 085	28	—	26	185	—	—	—	24	—	—	—
Managers and administrators, except farm	12 485	38	242	388	2 466	53	84	96	87	59	72	23
Buyers, purchasing agents, and sales managers	754	4	8	20	156	5	18	12	19	7	16	7
Other managers and administrators	6 058	7	16	523	790	48	66	84	68	52	56	16
Salaries	4 888	7	16	339	758	37	54	84	68	52	56	16
Self-employed	1 170	—	—	184	32	11	12	—	—	—	—	—
Sales workers	6 085	28	—	26	619	75	51	22	25	25	35	26
Clerical and kindred workers	12 485	38	242	388	2 466	53	84	96	87	59	72	23
Bookkeepers	1 325	3	20	76	160	11	175	371	305	73	80	47
Cashiers	1 027	4	—	—	—	—	6	25	6	—	—	11
Estimators and investigators, n.e.c.	241	—	—	32	—	—	—	—	—	—	—	—
Office machine operators	441	3	29	—	183	—	5	12	37	—	—	—
Shipping and receiving clerks	324	—	—	—	186	—	30	43	23	—	—	—
Stock clerks and storekeepers	399	—	—	5	137	—	15	16	15	—	—	5
Other clerical and kindred workers	8 728	28	193	270	1 579	34	112	272	218	50	38	31
Craftsmen and kindred workers	14 392	19	256	3 018	6 130	117	540	2 131	615	270	250	110
Blacksmiths, farriers, hammermen, and boilermakers	124	—	6	16	47	—	—	5	10	5	5	—
Brickmasons and stonemasons	293	—	—	152	131	—	9	118	4	—	—	—
Carpenters	797	3	5	617	89	28	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	785	4	4	43	670	—	17	395	125	52	10	—
Electricians	954	—	28	292	449	—	30	193	84	10	24	24
Excavating, grading, and road machine operators	6 439	6	61	278	56	6	—	—	—	6	6	—
Foremen, n.e.c.	2 106	—	27	208	1 294	21	201	338	155	18	18	23
Mechanics and repairmen	2 989	5	56	150	889	5	108	284	87	48	33	22
Automobile, including body	972	—	6	24	26	5	14	—	—	—	—	—
Machinists, job setters, and toolmakers	702	—	—	—	495	—	51	59	69	17	136	13
Metal craftsmen, except mechanics and machinists	668	—	—	63	544	—	20	364	47	19	6	4
Painters, construction and maintenance, and plasterers and paperhangers	394	—	—	188	105	—	—	33	—	—	5	6
Plumbers and pipe fitters	576	—	22	233	227	—	6	89	6	—	—	4
Printing craftsmen	171	—	—	—	148	—	12	—	—	5	—	—
Stationary engineers and power station operators	354	—	19	6	170	—	6	35	14	4	—	—
Other craftsmen and kindred workers	3 040	—	28	772	816	57	80	181	14	55	8	10
Operatives, except transport	12 311	10	304	329	9 349	197	1 601	1 523	811	285	343	293
Assemblers	349	4	—	4	332	9	40	12	16	17	58	117
Checkers, examiners, and inspectors; manufacturing	1 143	—	—	—	611	6	61	116	103	16	13	19
Filers, polishers, sanders, and buffers	230	—	—	—	59	5	—	—	—	—	—	—
Painters, manufactured articles	82	—	—	—	77	—	—	3	—	—	—	—
Precision machine operators	412	—	6	—	374	—	14	77	92	21	4	11
Welders and flamecutters	1 306	—	—	—	964	—	14	185	34	25	57	35
Other specified operatives	5 116	10	271	167	3 027	77	268	413	207	58	115	56
Machine operatives, miscellaneous specified	1 563	—	—	5	464	43	288	370	155	73	18	20
Machine operatives, not specified	521	—	—	—	144	17	63	72	76	20	20	8
Miscellaneous operatives	941	—	—	11	450	12	135	95	66	22	24	18
Not specified operatives	648	—	—	—	586	28	137	165	41	31	4	4

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing													
					Total	Durable goods					Electrical machinery, equipment, and supplies							
						Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal		Machinery, except electrical						
Total employed—Continued																		
Transport equipment operatives	3 820	20	26	179	926	45	232	132	31	19	23							
Deliverymen and routemen	1 780	14	20	112	178	35	112	5	7	5	10							
Truck drivers	1 784	6	11	155	383	10	111	30	24	14	13							
Other transport equipment operatives	1 256							98										
Laborers, except farm	5 424	155	15	876	2 272	124	194	816	190	98	22							
Freight, stock, and material handlers	1 605		4	7	646	43	110	159	34	16	26							
Other specified laborers	1 901	148	6	869	360	31	5	119	20	4	4							
Miscellaneous laborers	658		5		400	3	15	229	31	24	6							
Not specified laborers	1 260	7			866	47	64	309	105	54	12							
Farm workers	740																	
Service workers, including private household	10 556	11	16	42	778	9	72	251	42	51	5							
Personal service workers	2 207	5	16	9	550	4	61	197	15	33	5							
Personal service workers	1 345			5	138	5	11	50	22	9	16							
Guards and watchmen	1 378			9	138	5		50	22	9	16							
Other service workers, including private household	6 726	6		19	779			4	5	9								
Female employed	28 218	149	202	331	4 412	94	950	227	162	82	60							
Professional, technical, and kindred workers	4 974	10	9	4	193			26	34	6								
Accountants	184		4		23													
Computer specialists	28				9													
Life and physical scientists	6				6													
Registered nurses, dietitians, and therapists	1 062				26			12	7									
Social scientists	14				14													
Writers, artists, and entertainers	125				43				9									
Other professional, technical, and kindred workers	3 555	10	5	4	86			14	5									
Managers and administrators, except farm	1 167			15	63	9				6	10							
Salaried	882			10	63	9				6	10							
Self-employed	285			5														
Sales workers	2 400	5		5	42	4	17		4									
Clerical and kindred workers	8 634	34	177	233	1 108	31	90	103	84	24	39							
Bookkeepers	1 109	3	9	45	128	5	7	13			11							
Cashiers	851				17													
Counter clerks, except food	178				9													
File clerks	107				15													
Office machine operators	323	3	14	5	124		5	9	23	5								
Bookkeeping and billing machine operators	52				10													
Receptionists	255			8	5													
Secretaries	381	19	89	94	379	15	45	40	32	9	7							
Stenographers	178	9	5	9	29	5	3	8	7	9	15							
Typists	479	6	5	24	101	6	24	3	4	10	7							
Other clerical and kindred workers	2 773	3	46	48	310	5	30	30	13	10	6							
Craftsmen and kindred workers	479			48	198	6	20	29	5	10	10							
Foremen, n.e.c.	92			5	55	6	13	2										
Operatives, except transport	3 383		16		2 603	44	792	25	31	36	9							
Assemblers	99				99	9	30			8								
Checkers, examiners, and inspectors, manufacturing	700				700	6	562		5									
Packers and wrappers, except meat and produce	172				136	6	98											
Other operatives, except transport	2 412		16		1 668	23	102	25	20	28	9							
Transport equipment operatives	126			6	20		5	4										
Laborers, except farm	374	24		18	123		9	40	4									
Farm workers	76																	
Service workers, including private household	6 605			2	62		17											
Cleaning service workers	535				34		6											
Personal service workers	904				11		11											
Other service workers, including private household	5 166			2	17													

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

		Manufacturing—Continued										
		Durable goods—Continued					Nondurable goods					
Motor vehicles and major equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
HUNTINGTON—ASHLAND, W. VA.—KY.—OHIO, SMSA												
Total employed												
Accountants												
Architects				48		16						
Computer specialists				5		6						
Engineers												
Chemical												
Civil												
Electrical and electronic												
Industrial												
Mechanical												
Other engineers												
Mathematical specialists												
Life and physical scientists												
Chemists												
Personnel and labor relations workers												
Social scientists												
Engineering and science technicians												
Draftsmen												
Electrical and electronic engineering technicians												
Industrial and mechanical engineering technicians												
Technicians, except health, and engineering and science												
Writers, artists, and entertainers												
Other professional, technical, and kindred workers				33								
Managers and administrators, except farm												
Buyers, purchasing agents and sales managers				61		101						
Other managers and administrators				3		31						
Salaries				61		70						
Self-employed				9		70						
Sales workers												
Bookkeepers												
Cashiers												
Estimators and investigators, n.e.c.												
Office machine operators												
Shipping and receiving clerks												
Stock clerks and storekeepers												
Other clerical and kindred workers				87		27						
Craftsmen and kindred workers												
Blacksmiths, farriers, hammermen, and boilermakers				208		79						
Brickmasons and stonemasons												
Carpenters												
Cranemen, derrickmen, and hoistmen												
Electricians												
Excavating, grading, and road machine operators												
Foremen, n.e.c.												
Mechanics and repairmen												
Automobile, including body												
Machinists, job setters, and toolmakers												
Metal craftsmen, except mechanics and machinists												
Painters, construction and maintenance, and plasterers and paperhangers												
Plumbers and pipe fitters												
Printing craftsmen												
Stationary engineers and power station operators												
Other craftsmen and kindred workers				188		24						
Operatives, except transport												
Assemblers				540		180						
Checkers, examiners, and inspectors; manufacturing				27		5						
Filters, polishers, sanders, and buffers				15		5						
Painters, manufactured articles				14								
Precision machine operatives				4								
Welders and flamecutters				40								
Other specified operatives				333		109						
Machine operatives, miscellaneous specified				75		35						
Machine operatives, not specified				31		10						
Miscellaneous operatives				8		5						
Not specified operatives				13		16						

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued
 [Data based on sample, see text. For meaning of symbols, see text]

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, not specified manufacturing
Total employed—Continued													
Transport equipment operatives	40	4	21	—	19	164	20	—	15	5	51	—	104
Deliverymen and routemen	6	—	6	—	9	117	—	—	9	—	4	—	24
Truck drivers	34	4	12	—	10	43	10	—	6	5	38	—	63
Other transport equipment operatives	—	—	—	—	—	—	—	—	—	—	9	—	17
Laborers, except farm	61	5	121	—	140	77	—	23	13	4	198	38	122
Freight, stock, and material handlers	31	—	5	—	4	47	—	20	5	4	63	38	26
Other specified laborers	9	5	35	—	108	—	—	—	4	—	18	—	44
Miscellaneous laborers	21	—	81	—	17	10	—	3	4	—	23	—	52
Not specified laborers	—	—	—	—	—	20	—	—	—	—	72	—	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	49	—	12	6	23	24	—	35	7	9	50	23	78
Cleaning service workers	39	—	8	—	13	19	—	18	7	9	50	23	33
Personal service workers	6	—	—	—	—	—	—	—	—	—	—	—	—
Guards and watchmen	4	—	4	6	—	—	—	11	—	—	—	—	9
Other service workers, including private household	4	—	—	—	10	5	—	6	—	—	—	—	36
Female employed	29	31	41	4	346	125	—	1 025	46	164	166	21	691
Professional, technical, and kindred workers	7	—	—	—	10	—	—	10	—	29	40	3	28
Accountants	—	—	—	—	—	—	—	—	—	—	5	—	4
Computer specialists	—	—	—	—	—	—	—	4	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	3	—	—
Registered nurses, dietitians, and therapists	7	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	29	5	—	—
Other professional, technical, and kindred workers	—	—	—	—	10	—	—	6	—	—	27	—	24
Managers and administrators, except farm	—	4	—	—	—	7	—	11	—	15	—	—	5
Salaries	—	—	—	—	—	7	—	11	—	15	—	—	5
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	—	—	—	—	5	—	—	—	—	12	—	—	—
Clerical and kindred workers	9	7	36	—	81	51	—	34	41	92	97	13	249
Bookkeepers	—	—	—	—	11	25	—	7	3	15	14	—	17
Cashiers	—	—	—	—	—	—	—	—	—	4	—	—	9
Counter clerks, except food	—	—	—	—	—	—	—	—	—	—	—	—	10
File clerks	—	—	—	—	—	—	—	—	—	—	—	—	48
Office clerks	4	—	9	—	—	5	—	7	5	—	4	—	6
Office machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Receptionists	—	—	—	—	—	—	—	—	—	—	—	—	—
Secretaries	5	7	16	—	37	10	—	5	20	11	43	13	54
stenographers	—	—	6	—	—	—	—	—	—	—	6	—	5
Typists	—	—	—	—	10	6	—	4	—	7	11	—	32
Other clerical and kindred workers	—	—	5	—	23	5	—	11	13	55	19	—	74
Craftsmen and kindred workers	—	8	—	—	9	—	—	39	—	16	6	—	26
Foremen, n.e.c.	—	—	—	—	—	—	—	34	—	—	—	—	—
Operatives, except transport	7	16	5	4	210	41	—	911	5	—	10	5	357
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—	10
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	15	—	—	80	—	—	10	—	22
Packers and wrappers, except meat and produce	—	—	—	—	—	13	—	—	—	—	—	—	5
Other operatives, except transport	7	16	5	4	186	28	—	828	5	—	—	5	320
Transport equipment operatives	—	—	—	—	—	11	—	—	—	—	—	—	—
Laborers, except farm	6	—	—	—	23	15	—	11	—	—	—	—	11
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Cleaning service workers	—	—	—	—	8	—	—	—	—	—	13	—	15
Personal service workers	—	—	—	—	8	—	—	—	—	—	13	—	4
Other service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	11

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More	Railroads and railway express service	Trucking service and ware- housing	Other transporta- tion	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
HUNTINGTON—ASHLAND, W. VA.—KY.—OHIO, SMSA													
Total employed	3 449	1 217	904	1 046	1 688	3 430	2 221	2 268	2 170	2 201	4 685	1 070	1 898
Accountants	279	12	26	205	215	182	28	10	37	5	210	31	61
Architects	36	7	—	—	19	45	—	10	14	—	12	10	36
Computer specialists	—	—	—	5	—	—	—	—	—	—	—	—	—
Engineers	120	—	14	21	75	59	6	—	12	—	4	—	9
Chemical	—	—	—	—	—	—	—	—	—	—	—	—	—
Civil	16	—	—	—	6	15	6	—	—	—	—	—	—
Electrical and electronic	43	—	—	21	51	4	—	—	—	—	—	—	—
Industrial	24	—	—	—	4	6	—	—	—	—	—	—	—
Mechanical	16	—	14	—	11	—	—	—	—	—	—	—	—
Other engineers	21	—	—	—	3	28	—	—	6	—	—	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	11	—	—	4	6	9	—	—	—	—	—	—	—
Chemists	11	—	—	4	6	9	—	—	—	—	—	—	—
Personnel and labor relations workers	25	—	—	4	33	4	22	—	6	5	5	—	5
Social scientists	—	—	—	—	6	4	—	—	—	—	—	—	—
Engineering and science technicians	65	5	—	63	27	19	—	—	—	—	—	—	—
Draftsmen	32	—	—	5	—	4	—	—	—	—	—	—	—
Electrical and electronic engineering technicians	16	5	—	53	16	9	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians, except health, and engineering and science technicians, except health, and engineering and science	—	—	12	11	11	6	—	—	—	—	—	—	—
Writers, artists, and entertainers	8	—	—	90	30	11	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	9	—	—	7	—	—	—	—	—	—	—	—	—
Managers and administrators, except farm													
Buyers, purchasing agents, and sales managers	383	70	95	87	116	530	333	464	407	337	663	98	407
Other managers and administrators	383	70	95	87	116	530	333	464	407	337	663	98	407
Salaried	383	66	89	83	116	530	333	464	407	337	663	98	407
Self-employed	—	4	6	4	5	—	30	235	128	132	148	5	21
Sales workers													
Clerical and kindred workers	35	9	—	36	31	749	1 063	298	446	17	1 758	553	297
Bookkeepers	538	158	113	348	310	569	405	637	224	80	766	388	922
Cashiers	10	9	—	—	29	89	46	23	102	6	166	41	181
Estimators and investigators, n.e.c.	15	5	26	7	18	—	11	534	11	65	13	35	19
Office machine operators	36	7	4	—	22	—	11	5	—	—	13	—	34
Shipping and receiving clerks	20	4	—	—	19	33	11	—	—	—	9	7	57
Stock clerks and storekeepers	38	4	5	—	4	66	25	3	5	—	6	—	—
Other clerical and kindred workers	419	133	72	341	218	325	156	40	84	9	448	301	631
Craftsmen and kindred workers													
Blacksmiths, forgemen, hammermen, and boilermakers	1 254	118	68	338	480	396	143	77	509	4	455	—	30
Brickmasons and stonemasons	49	—	—	—	6	—	—	—	—	—	—	—	5
Carpenters	28	—	—	—	—	—	—	—	12	—	—	—	—
Cranemen, derrickmen, and hoistmen	31	—	6	—	—	32	—	—	—	—	—	—	—
Electricians	83	—	5	—	57	—	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	15	—	4	—	18	118	34	18	18	4	28	—	—
Foremen, n.e.c.	132	38	—	21	88	162	43	12	488	4	169	—	11
Mechanics and repairmen	339	57	32	6	56	48	19	12	436	—	—	—	—
Automobile, including body	—	57	24	—	5	12	—	—	—	—	—	—	—
Machinists, job setters, and toolmakers	181	—	9	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	43	—	—	—	5	7	—	—	—	—	—	—	9
Painters, construction and maintenance, and plasterers and paperhangers	41	—	—	—	5	5	—	—	6	—	—	—	—
Plumbers and pipe fitters	34	—	—	4	17	—	—	—	—	—	—	—	—
Printing craftsmen	9	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators	11	13	8	—	84	49	6	—	—	—	—	—	5
Other craftsmen and kindred workers	258	10	—	307	149	49	60	47	5	—	217	—	—
Operatives, except transport													
Assemblers	251	17	89	7	92	270	40	211	417	5	157	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	4	—	—	6	—	3	—	—
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	9	—	14	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	98	—	—	—	6	25	—	—	4	—	—	—	—
Other specified operatives	32	6	40	3	50	156	35	199	370	5	137	—	—
Machine operatives, miscellaneous specified	46	—	5	—	7	22	—	5	23	—	—	—	—
Machine operatives, not specified	—	—	—	—	—	11	—	7	5	—	—	—	—
Miscellaneous operatives	46	11	30	—	23	16	—	7	5	—	—	—	—
Not specified operatives	10	—	—	—	6	25	5	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade					Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places	Other retail trade		Insurance
The State Standard Metropolitan Statistical Areas of 250,000 or More													
HUNTINGTON—ASHLAND, W. VA.—KY.—OHIO, SMSA—Continued													
Total employed—Continued													
Transport equipment operatives	253	746	407	—	160	432	13	88	49	38	—	—	4
Deliverymen and routemen	—	27	5	—	6	206	13	60	4	27	—	—	—
Truck drivers	27	705	—	—	36	204	—	23	41	11	—	—	—
Other transport equipment operatives	226	14	402	—	118	22	—	5	4	35	—	—	4
Labors, except farm	308	75	38	17	228	274	50	450	49	12	—	—	30
Freight, stock, and material handlers	17	46	30	6	73	175	43	437	—	8	—	—	—
Other specified laborers	30	19	—	7	81	33	—	8	11	—	—	—	17
Miscellaneous laborers	159	—	—	—	46	19	—	—	—	—	—	—	13
Not specified laborers	102	10	8	4	28	47	7	5	38	4	—	—	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	148	12	68	8	56	27	146	33	32	1 703	—	—	147
Personal service workers	71	7	30	8	20	9	31	13	22	45	—	—	97
Guard and watchmen	25	—	—	—	—	4	38	4	5	13	—	—	21
Other service workers, including private household	28	—	—	—	5	9	5	4	—	—	—	—	19
Self-employed	24	5	38	—	31	5	72	16	5	1 645	—	—	10
Female employed	256	136	125	391	237	571	1 537	982	245	1 404	—	—	996
Professional, technical, and kindred workers	20	7	3	26	16	18	22	6	—	—	—	—	9
Accountants	15	—	—	—	6	—	—	—	—	—	—	—	5
Computer specialists	—	—	—	5	—	6	—	—	—	—	—	—	4
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	12	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	5	—	3	9	10	12	22	—	—	—	—	—	—
Managers and administrators, except farm	7	—	17	26	5	44	116	132	15	106	—	—	63
Salaried	7	—	17	26	5	44	105	32	10	54	—	—	59
Self-employed	—	—	—	—	—	15	11	100	5	52	—	—	4
Sales workers	—	—	—	3	5	65	866	190	18	12	—	—	62
Clerical and kindred workers	175	88	33	327	160	361	331	462	170	75	—	—	815
Bookkeepers	5	9	6	—	14	77	42	16	95	6	—	—	181
Cashiers	—	5	—	—	18	—	111	418	11	60	—	—	19
Counter clerks, except food	8	—	—	9	—	6	18	—	—	—	—	—	—
File clerks	—	4	—	—	—	—	5	—	7	—	—	—	—
Office machine operators	14	7	—	—	13	27	11	—	—	—	—	—	10
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	—	—	7
Receptionists	6	—	—	—	7	10	—	—	—	—	—	—	51
Secretaries	46	34	4	43	33	151	20	5	27	—	—	—	26
Stenographers	35	—	—	—	13	13	—	—	—	—	—	—	5
Typists	—	5	—	11	23	10	—	—	6	—	—	—	184
Other clerical and kindred workers	67	18	23	264	39	67	124	23	24	9	—	—	335
Craftsman and kindred workers	11	5	—	4	8	8	48	32	—	—	—	—	4
Foremen, n.e.c.	—	—	—	—	6	—	16	—	—	—	—	—	—
Operatives, except transport	4	—	—	—	—	71	32	45	32	5	—	—	—
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	22	—	—	—	—	—	—	—
Other operatives, except transport	4	—	—	—	—	49	32	45	32	5	—	—	—
Transport equipment operatives	5	24	44	—	5	—	—	—	—	—	—	—	—
Labors, except farm	22	7	—	—	11	4	12	95	—	—	—	—	6
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	12	5	28	5	10	—	110	20	10	1 206	—	—	37
Personal service workers	—	—	—	—	—	—	6	9	—	—	—	—	14
Other service workers, including private household	12	5	—	—	—	—	32	11	5	5	—	—	11
Self-employed	—	—	28	—	10	—	72	11	5	1 201	—	—	5

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
700	999	592	3 406	581	3 334	1 573	4 715	1 224	1 210	1 488	2 753
88	24	—	69	94	1 171	600	2 955	703	563	755	375
40	—	—	—	—	4	5	—	—	4	149	94
—	—	—	—	—	5	—	—	—	—	11	—
—	4	—	—	—	5	14	—	—	5	4	38
—	—	—	—	—	—	6	—	—	5	5	29
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	4	—	—	—	5	8	—	—	—	16	5
—	—	—	—	—	—	—	—	—	—	—	4
—	—	—	—	—	—	—	—	—	—	—	10
18	—	—	—	—	11	—	—	—	—	3	45
5	—	—	5	—	—	—	6	—	5	7	—
4	—	—	—	—	—	9	—	5	—	4	—
4	—	—	—	—	—	—	—	—	—	22	45
—	—	—	—	—	—	—	—	—	—	11	15
—	7	—	9	—	—	—	—	—	—	—	9
10	—	—	32	42	6	—	13	5	10	—	38
11	13	—	23	52	1 140	572	2 891	693	29	17	101
73	78	68	163	84	94	33	217	66	60	26	336
—	—	—	—	—	7	—	—	—	—	—	—
73	78	68	163	84	87	33	217	66	60	26	336
54	53	116	116	70	87	17	217	66	60	21	336
19	35	15	47	14	16	—	—	—	—	5	—
16	16	9	34	16	5	—	—	—	4	4	6
208	92	74	166	32	542	326	635	215	249	397	1 127
31	33	5	30	—	63	39	9	11	45	62	45
15	4	6	9	10	30	—	10	15	7	—	—
5	—	—	—	—	5	—	—	—	—	—	—
—	—	—	—	—	10	4	—	6	—	5	—
—	—	10	—	—	—	—	—	—	5	—	—
151	55	53	157	22	429	283	616	183	207	325	1 008
108	520	21	72	41	66	59	75	21	27	—	87
—	—	—	—	—	—	—	—	—	—	—	—
—	—	5	4	—	5	—	17	—	—	—	—
4	—	—	—	4	5	—	16	—	8	—	—
—	—	—	—	—	—	—	—	—	—	—	—
22	4	—	14	—	8	—	5	—	—	—	—
33	408	6	20	14	5	—	—	15	—	—	—
—	298	—	—	—	4	—	5	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	4	—	—	—	5	4	—	6	4	—	4
—	—	—	—	—	13	—	3	—	5	—	—
—	6	6	—	—	4	—	6	—	—	—	—
49	98	4	34	23	21	55	10	—	10	—	11
82	75	11	416	5	100	12	—	—	—	16	46
—	—	—	—	—	—	—	—	—	—	—	—
—	6	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	7	—	—	—	—	—	—	—	—	—	—
11	29	—	—	—	—	—	—	—	—	—	—
9	13	11	406	5	100	12	—	—	—	—	—
—	15	—	4	—	—	—	—	—	—	—	—
62	5	—	—	—	—	—	—	—	—	—	—
—	—	—	6	—	—	—	—	—	—	—	—

The State Standard Metropolitan Statistical Areas of 250,000 or More

HUNTINGTON-ASHLAND, W. VA.-KY.-OHIO, SMSA

Total employed	Professional, technical, and kindred workers
—	Accountants
—	Architects
—	Computer specialists
—	Engineers
—	Chemical
—	Civil
—	Electrical and electronic
—	Industrial
—	Mechanical
—	Other engineers
—	Mathematical specialists
—	Life and physical scientists
—	Chemists
—	Personnel and labor relations workers
—	Social scientists
—	Engineers and science technicians
—	Draftsmen
—	Electrical and electronic engineering technicians
—	Industrial and mechanical engineering technicians
—	Technicians, except health, and engineering and science
—	Writers, artists, and entertainers
—	Other professional, technical, and kindred workers
—	Managers and administrators, except farm
—	Buyers, purchasing agents, and sales managers
—	Other managers and administrators
—	Salaries
—	Self-employed
—	Sales workers
—	Clerical and kindred workers
—	Bookkeepers
—	Cashiers
—	Estimators and investigators, n.e.c.
—	Office machine operators
—	Shipping and receiving clerks
—	Stock clerks and storekeepers
—	Other clerical and kindred workers
—	Craftsmen and kindred workers
—	Blacksmiths, forgers, hammermen, and boilermakers
—	Brickmasons and stonemasons
—	Carpenters
—	Cranemen, derrickmen, and hoistmen
—	Electricians
—	Excavating, grading, and road machine operators
—	Foremen, n.e.c.
—	Mechanics and repairmen
—	Automobile, including body
—	Machinists, job setters, and toolmakers
—	Metal craftsmen, except mechanics and machinists
—	Painters, construction and maintenance, and plasterers and paperhangers
—	Plumbers and pipe fitters
—	Printing craftsmen
—	Stationary engineers and power station operators
—	Other craftsmen and kindred workers
—	Operatives, except transport
—	Assemblers
—	Checkers, examiners, and inspectors; manufacturing
—	Filers, polishers, sanders, and buffers
—	Painters, manufactured articles
—	Precision machine operatives
—	Welders and flamecutters
—	Other specified operatives
—	Machine operatives, miscellaneous specified
—	Machine operatives, not specified
—	Miscellaneous operatives
—	Not specified operatives

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

The State Standard Metropolitan Statistical Areas of 250,000 or More	HUNTINGTON-ASHLAND, W. VA.—KY.—OHIO, SMSA—Continued											
	Total employed—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Transport equipment operatives	23	63	—	82	—	—	—	14	5	—	11	46
Deliverymen and roulemen	—	11	—	75	—	—	—	—	—	—	—	—
Truck drivers	23	30	—	7	—	—	—	14	5	—	—	46
Other transport equipment operatives	—	22	—	—	—	—	—	—	—	—	11	—
Laborers, except farm	14	101	7	87	44	21	4	17	24	32	6	78
Freight, stock, and material handlers	—	—	—	11	—	11	—	10	10	—	—	16
Other specified laborers	—	89	—	55	39	10	—	17	8	22	6	23
Miscellaneous laborers	—	—	—	—	5	—	—	—	—	—	—	—
Not specified laborers	14	12	7	20	—	—	4	—	6	10	—	39
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	88	30	402	2 287	265	1 335	539	802	186	269	273	652
Cleaning service workers	56	16	155	40	47	163	72	374	92	127	6	92
Personal service workers	—	4	73	820	92	19	13	63	39	79	—	11
Guards and watchmen	25	5	—	5	6	—	—	5	—	10	—	76
Other service workers, including private household	7	5	174	1 422	120	1 135	454	360	83	53	267	473
Female employed	273	132	380	2 638	225	2 607	1 131	3 166	897	520	892	772
Professional, technical, and kindred workers	45	5	—	39	30	1 007	272	2 097	539	160	307	79
Accountants	24	—	—	—	—	—	5	—	—	4	48	25
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	23	—	765	210	10	13	6	—	9
Social scientists	—	—	—	—	—	—	—	5	—	—	—	—
Writers, artists, and entertainers	10	—	—	16	10	—	—	5	5	—	17	—
Other professional, technical, and kindred workers	11	5	—	—	20	242	57	2 082	521	146	234	45
Managers and administrators, except farm	30	—	32	38	12	38	26	71	12	6	8	83
Salaried	30	—	26	28	7	38	13	71	12	6	8	83
Self-employed	—	—	6	10	5	—	13	—	—	—	—	—
Sales workers	—	—	9	25	16	5	—	—	—	6	4	6
Clerical and kindred workers	155	92	46	196	25	493	312	569	196	215	341	589
Bookkeepers	26	33	—	30	—	60	34	9	4	22	41	30
Cashiers	6	4	—	9	10	22	—	10	15	7	—	7
Counter clerks, except food	—	—	28	82	—	—	—	9	8	—	—	—
File clerks	—	—	—	—	—	7	—	—	—	—	—	—
Office machine operators	5	—	—	—	—	—	4	—	6	—	5	21
Bookkeeping and billing machine operators	—	—	—	—	—	10	4	—	—	—	5	12
Receptionists	—	—	—	4	—	35	4	4	22	6	9	5
Secretaries	27	29	5	8	11	148	115	4	59	104	164	79
Stenographers	6	—	—	—	—	5	—	14	20	9	25	25
Typists	7	—	—	4	—	—	—	—	12	20	66	66
Other clerical and kindred workers	78	26	7	59	4	179	36	172	70	39	105	284
Craftsman and kindred workers	—	4	4	8	—	11	11	—	—	—	—	—
Foremen, n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—
Operatives, except transport	9	6	11	358	5	60	7	—	—	—	7	5
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	9	6	11	353	5	60	7	—	—	—	7	5
Transport equipment operatives	—	—	—	5	—	—	—	—	—	—	6	—
Laborers, except farm	5	—	—	12	5	4	—	—	6	—	—	5
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	29	25	278	1 957	132	989	503	429	144	133	219	65
Cleaning service workers	22	16	105	30	9	56	56	60	37	36	60	11
Personal service workers	—	4	52	562	38	5	13	38	35	58	—	11
Other service workers, including private household	7	5	121	1 365	85	925	434	324	72	39	219	43

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing						Total	Electrical machinery, equipment, and supplies
				Durable goods							
				Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical		
LORAIN-ELYRIA SMSA											
Total employed											
95 385	1 761	161	4 478	40 800	603	9 688	247	5 168	3 332	1 667	
11 827	60	15	108	2 889	31	473	4	339	283	223	
636	5	5	5	292	66	66	4	35	22	—	
16	—	—	—	—	—	—	—	—	—	—	
164	—	—	—	—	—	—	—	—	—	—	
1	—	—	—	—	—	—	—	—	—	—	
372	—	10	56	930	6	208	—	115	91	121	
197	—	—	—	82	—	—	—	—	—	—	
17	—	—	—	29	—	—	—	—	—	—	
216	—	—	35	129	—	23	—	—	—	—	
286	—	—	5	140	—	23	—	—	—	—	
296	—	5	5	253	—	33	—	39	19	73	
296	—	—	—	253	—	33	—	32	40	12	
382	—	5	11	230	6	91	—	24	27	17	
27	—	—	—	16	—	—	—	—	—	—	
131	6	—	—	75	—	17	—	—	5	—	
74	—	—	—	65	—	17	—	—	—	—	
285	—	—	7	127	—	31	—	32	17	5	
1	—	—	—	15	—	—	—	—	—	—	
1	4	—	17	776	11	111	—	101	91	51	
424	—	—	6	318	—	24	—	74	4	77	
116	—	—	—	94	—	6	—	9	—	—	
91	—	—	—	17	—	25	—	5	—	—	
560	—	—	—	332	—	—	—	23	36	11	
662	—	—	5	252	—	—	—	22	8	15	
6 912	39	—	18	—	—	—	—	—	—	—	
5 533	5	11	429	1 251	38	183	12	225	157	58	
728	—	—	17	304	4	60	6	62	39	9	
4 825	5	11	412	947	34	123	6	163	118	49	
4 053	5	5	271	904	34	123	6	153	104	49	
772	5	6	141	43	—	—	—	10	14	—	
6 158	15	6	41	747	17	58	—	52	81	23	
13 982	36	11	408	4 057	82	888	32	638	419	250	
671	13	5	106	350	12	87	—	40	62	6	
1 130	—	—	6	30	—	8	—	5	4	—	
251	—	—	73	22	—	—	—	—	—	—	
447	—	—	—	216	—	57	—	36	9	11	
589	—	—	—	473	—	172	—	193	19	34	
623	—	—	—	403	—	76	—	38	38	34	
9 271	23	6	221	2 575	61	546	32	418	271	174	
17 182	22	39	2 574	10 255	127	3 648	101	2 238	776	252	
153	—	—	27	84	—	33	5	29	—	—	
276	—	—	171	105	7	80	10	—	—	—	
796	—	—	575	133	—	66	—	14	—	—	
910	—	12	50	806	26	659	—	31	18	—	
941	—	—	243	609	13	296	—	35	25	20	
329	—	—	188	89	—	34	—	—	5	6	
640	—	6	132	2 058	50	629	11	320	166	66	
3 343	6	6	94	1 471	15	431	19	101	86	40	
3 353	6	—	15	377	—	28	—	4	—	—	
1 922	—	—	4	1 875	—	282	16	526	375	62	
1 442	—	—	152	1 972	3	676	35	115	63	11	
333	—	—	183	105	—	8	—	9	4	—	
720	—	6	28	192	—	192	—	—	—	—	
271	—	5	10	253	—	11	—	11	—	—	
350	—	5	10	148	—	72	—	4	—	—	
2 756	—	10	441	917	13	179	5	43	23	20	
19 896	57	66	239	17 946	145	2 923	82	2 309	1 480	781	
3 547	—	4	4	3 485	5	50	—	283	316	389	
1 891	—	—	—	1 891	3	326	13	288	142	81	
361	—	—	—	481	—	34	—	45	15	—	
503	—	—	—	367	—	27	—	34	27	11	
1 450	—	5	—	1 445	—	165	10	483	337	18	
545	—	—	—	1 364	—	215	—	173	205	10	
437	—	—	91	3 468	36	587	37	380	103	192	
1 799	53	61	117	1 712	45	407	10	211	133	51	
1 721	—	—	—	1 696	16	274	8	342	157	18	
1 093	—	—	14	892	22	531	4	45	35	29	
529	4	—	8	475	—	229	—	13	10	—	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Total	Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
LORAIN-ELYRIA SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	3 503	15	8	136	1 314	15	114	290	11	102	55	13
Deliverymen and routemen	1 713	8	3	5	191	5	20	10	11	4	7	6
Truck drivers	1 512	3	3	111	446	10	39	89	11	25	46	7
Other transport equipment operatives	1 278	4	5	20	677	—	35	191	—	73	—	—
Labors, except farm	4 599	101	5	489	2 130	7	40	997	—	172	41	25
Freight, stock and material handlers	1 655	5	5	12	771	—	15	261	—	111	7	13
Other specified laborers	1 323	91	—	477	298	7	14	78	—	25	5	6
Miscellaneous laborers	700	5	—	—	578	—	—	445	—	10	15	6
Not specified laborers	721	—	—	—	483	—	11	213	—	26	14	6
Farm workers	1 450	1 450	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	11 235	—	—	54	891	5	9	228	5	102	40	42
Cleaning service workers	2 465	—	—	35	496	—	—	137	5	60	13	23
Personal service workers	1 139	—	—	—	5	—	—	—	—	—	—	—
Guards and watchmen	1 359	—	—	3	245	5	4	56	—	27	—	19
Other service workers, including private household	7 254	—	—	16	145	—	5	35	—	15	5	—
Female employed	31 438	440	11	343	6 179	36	53	502	36	1 151	513	769
Professional, technical, and kindred workers	4 590	6	—	—	222	—	—	8	—	11	8	11
Accountants	157	—	—	—	34	—	—	4	—	5	5	—
Computer specialists	13	—	—	—	5	—	—	—	—	—	—	—
Life and physical scientists	16	—	—	—	4	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	1 009	—	—	—	10	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	201	—	—	—	103	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	3 194	6	—	—	66	—	—	4	—	6	3	11
Managers and administrators, except farm	926	—	—	14	39	—	—	—	—	10	9	5
Salaried	790	—	—	14	34	—	—	—	—	10	9	5
Self-employed	136	—	—	—	5	—	—	—	—	—	—	—
Sales workers	3 127	10	—	—	133	7	—	10	—	4	—	4
Clerical and kindred workers	9 955	36	11	290	2 042	6	45	244	16	431	246	191
Bookkeepers	1 433	13	5	102	246	6	6	24	—	37	49	6
Cashiers	1 087	—	—	6	12	—	—	8	—	—	4	—
Counter clerks, except food	144	—	—	—	51	—	—	—	—	22	—	4
Office clerks	142	—	—	—	50	—	—	—	—	14	5	5
Off-machine operators	312	—	—	—	154	—	—	49	—	30	5	11
Bookkeeping and billing machine operators	62	—	—	—	—	—	—	—	—	—	—	—
Receptionists	329	15	6	5	46	—	6	5	—	5	5	—
Secretaries	2 553	—	—	134	641	—	15	65	11	137	79	89
Stenographers	760	—	—	5	23	—	8	20	—	11	—	9
Typists	764	—	—	3	237	—	8	67	—	54	35	55
Other clerical and kindred workers	3 111	8	—	38	582	—	10	67	5	121	64	55
Craftsmen and kindred workers	652	6	—	29	318	11	—	51	5	73	9	22
Foremen, n.e.c.	73	—	—	—	28	—	—	—	—	5	—	6
Operatives, except transport	3 882	26	—	5	3 137	7	8	137	15	545	227	521
Assemblers	818	—	—	—	776	—	—	29	—	92	86	296
Checkers, examiners, and inspectors, manufacturing	516	—	—	—	516	—	3	39	—	145	36	29
Packers and wrappers, except meat and produce	278	21	—	—	148	—	—	10	—	7	9	7
Other operatives, except transport	2 270	5	—	5	1 682	7	5	39	15	293	98	189
Transport equipment operatives	245	—	—	—	46	—	—	1	—	—	—	—
Labors, except farm	330	17	—	—	131	—	—	32	—	41	9	9
Farm workers	339	339	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	7 392	—	—	5	111	5	—	19	—	36	5	6
Cleaning service workers	966	—	—	5	65	—	—	12	—	31	6	6
Personal service workers	857	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	5 569	—	—	—	46	—	—	7	—	5	5	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
Total employed	10 666	552	648	228	2 147	550	53	373	257	1 229	1 926	764	570
Professional, technical, and kindred workers.....	444	41	27	30	154	11	—	20	15	268	390	49	75
Accountants.....	84	—	—	—	9	—	—	7	5	15	11	6	4
Architects.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists.....	12	—	—	—	—	—	—	—	—	—	—	—	—
Engineers.....	191	15	18	15	25	—	—	5	—	7	10	15	5
Chemical.....	—	—	—	—	—	—	—	—	—	—	89	—	21
Civil.....	6	—	—	—	—	—	—	—	—	—	72	—	6
Electrical and electronic.....	14	—	5	—	15	—	—	—	—	—	—	—	5
Industrial.....	100	—	—	4	5	—	—	—	—	—	4	10	—
Mechanical.....	55	5	13	5	—	—	—	—	—	—	—	5	10
Other engineers.....	16	10	—	6	5	—	—	—	—	—	13	5	—
Mathematical specialists.....	—	—	—	6	—	—	—	—	—	—	—	—	—
Life and physical scientists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemists.....	31	—	—	—	—	5	—	—	—	—	10	—	6
Personnel and labor relations workers.....	—	—	—	—	—	5	—	—	—	—	42	—	6
Social scientists.....	—	—	—	—	—	—	—	—	—	6	37	—	—
Engineering and science technicians.....	93	14	5	5	35	6	—	3	10	6	5	5	11
Draftsmen.....	20	9	5	5	13	6	—	3	—	—	8	—	5
Electrical and electronic engineering technicians.....	6	—	—	—	5	—	—	—	—	—	5	—	—
Industrial and mechanical engineering technicians.....	41	5	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science writers, artists, and entertainers.....	5	—	—	—	12	—	—	—	—	—	6	7	—
Other professional, technical, and kindred workers.....	28	—	4	4	73	—	—	5	—	224	—	—	4
Managers and administrators, except farm buyers, purchasing agents, and sales managers.....	111	19	28	8	109	57	5	11	—	93	64	34	15
Other managers and administrators.....	20	8	—	—	15	12	—	—	—	34	12	—	—
Sales.....	91	11	28	8	94	45	5	11	—	59	51	22	15
Self-employed.....	—	—	—	—	—	45	—	11	—	54	18	4	15
Sales workers.....	35	9	22	—	35	60	5	—	—	5	10	4	—
Clerical and kindred workers.....	757	79	35	31	184	66	6	26	36	213	185	49	75
Bookkeepers.....	36	—	—	—	20	32	6	4	—	31	8	—	—
Cashiers.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.....	—	—	6	—	—	—	—	—	—	3	6	—	—
Office machine operators.....	44	14	5	—	—	18	—	—	—	17	4	5	—
Shipping and receiving clerks.....	124	4	—	5	10	7	—	5	11	6	28	5	5
Stock clerks and storekeepers.....	174	5	—	6	6	7	—	—	—	—	9	5	—
Other clerical and kindred workers.....	379	56	24	20	148	9	—	17	25	162	130	33	70
Craftsmen and kindred workers.....	2 162	138	318	56	475	56	9	29	51	261	318	127	79
Blacksmiths, forgemen, hammermen, and boilermakers.....	—	—	6	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons.....	4	—	—	—	—	—	—	—	—	—	4	—	—
Carpenters.....	9	—	36	—	—	—	—	—	—	—	4	—	—
Cranemen, derrickmen, and hoistmen.....	21	—	34	—	6	—	—	—	—	—	—	—	—
Electricians.....	142	11	20	—	—	—	—	—	9	5	33	—	11
Excavating, grading, and road machine operators.....	40	—	4	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.....	451	18	28	17	67	14	5	9	15	24	93	54	21
Mechanics and repairmen.....	516	37	20	31	18	14	—	—	4	7	91	27	7
Automobile, including body.....	321	7	5	—	—	4	—	—	—	—	3	—	—
Machinists, job setters, and toolmakers.....	433	60	24	8	26	6	—	—	—	4	17	20	11
Metal craftsmen, except mechanics and machinists.....	279	8	43	—	20	—	—	—	—	—	9	—	5
Painters, construction and maintenance, and plasterers and paperhangers.....	50	10	10	—	—	—	—	—	—	—	5	—	—
Plumbers and pipe fitters.....	74	4	38	—	—	—	—	—	18	207	24	—	—
Printing craftsmen.....	23	—	15	—	—	—	—	—	—	4	21	—	—
Stationary engineers and power station operators.....	120	—	40	—	—	20	4	20	5	10	17	26	19
Other craftsmen and kindred workers.....	—	—	—	—	338	—	—	—	—	—	—	—	—
Operators, except transport.....	5 868	236	194	103	988	115	15	278	117	98	775	485	246
Assemblers.....	2 197	55	24	23	101	10	—	4	—	5	—	54	5
Checkers, examiners, and inspectors, manufacturing.....	708	61	5	4	70	10	—	25	11	—	43	39	52
Filters, polishers, sanders and buffers.....	237	14	—	—	—	—	—	—	—	—	—	5	—
Painters, manufactured articles.....	302	5	10	—	39	—	—	—	—	—	—	—	—
Precision machine operators.....	305	50	—	31	10	—	—	—	—	6	—	10	8
Welders and fitters.....	554	119	—	23	23	—	—	—	—	—	—	11	—
Other specified operatives.....	453	5	11	14	625	66	15	238	62	27	124	5	178
Machine operatives, miscellaneous specified.....	339	6	5	8	43	18	—	6	29	16	178	207	9
Machine operatives, not specified.....	425	33	6	6	37	16	—	—	5	20	253	71	5
Miscellaneous operatives.....	262	7	6	—	23	5	—	5	—	24	33	33	—
Not specified operatives.....	86	—	—	—	8	—	—	—	—	—	85	21	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

		Manufacturing—Continued												
		Durable goods—Continued					Nondurable goods							
		Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
LORAIN-ELYRIA SMSA—Continued														
Total employed—Continued														
Transport equipment operatives		429	9	5	—	59	129	10	—	—	38	30	—	5
Delivermen and routemen		2	—	—	—	4	112	—	—	—	34	—	—	—
Truck drivers		179	9	5	—	17	17	10	—	—	4	13	—	—
Other transport equipment operatives		248	—	—	—	55	—	—	—	—	—	17	—	5
Labors, except farm		594	10	10	—	78	27	3	5	19	20	60	5	17
Freight, stock, and material handlers		266	10	—	—	11	16	3	5	14	12	15	5	7
Other specified laborers		71	—	—	—	58	6	—	—	—	—	22	—	5
Miscellaneous laborers		88	—	—	—	—	5	—	—	—	4	11	—	—
Not specified laborers		168	—	10	—	9	—	—	—	5	4	12	—	5
Farm workers		—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household		266	11	9	—	65	9	—	4	10	41	41	4	—
Personal service workers		190	—	—	—	5	4	—	4	10	26	15	—	—
Guards and watchmen		66	11	9	—	—	5	—	—	—	—	26	—	—
Other service workers, including private household		10	—	—	—	60	—	—	—	—	15	—	—	—
Female employed		631	115	30	14	507	110	13	331	131	471	166	400	200
Professionals, technical, and kindred workers		24	—	—	—	17	—	—	8	—	113	13	6	3
Computer specialists		20	—	—	—	—	—	—	5	—	—	—	—	—
Life and physical scientists		—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists		4	—	—	—	—	—	—	—	—	—	4	6	—
Social scientists		—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers		—	—	—	—	—	—	—	—	—	103	—	—	—
Other professional, technical, and kindred workers		—	—	—	—	17	—	—	3	—	10	9	—	3
Managers and administrators, except farm		—	—	—	—	5	—	—	—	—	5	5	—	—
Salaried		—	—	—	—	5	—	—	—	—	5	—	—	—
Self-employed		—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers		—	—	—	—	11	9	—	—	—	58	6	—	24
Clerical and kindred workers		232	49	19	14	119	61	6	26	31	132	79	29	46
Bookkeepers		22	—	—	—	20	27	6	4	—	31	8	—	—
Cashiers		—	—	—	—	—	—	—	—	—	—	—	—	—
Counter clerks, except food		—	—	—	—	—	—	—	—	—	13	—	—	—
File clerks		9	—	—	5	—	—	—	—	—	8	4	—	—
Office machine operators		32	4	—	—	—	18	—	—	—	5	—	—	—
Bookkeeping and billing machine operators		—	—	—	—	—	—	—	—	—	—	—	—	—
Receptionists		5	—	—	—	—	—	—	—	—	—	—	—	—
Secretaries		84	31	3	4	40	—	—	11	4	15	33	9	11
Stenographers		—	—	—	—	—	—	—	—	—	6	—	—	—
Typists		43	4	—	5	—	—	—	—	—	19	—	—	5
Other clerical and kindred workers		37	10	16	—	54	16	—	4	7	6	15	20	30
Craftsmen and kindred workers		14	—	—	—	8	9	4	14	9	60	—	29	—
Foremen, n.e.c.		—	—	—	—	—	4	—	9	—	—	—	—	—
Operatives, except transport		350	61	11	—	321	27	—	278	76	38	56	332	127
Assemblers		135	19	5	—	71	—	—	4	—	5	—	54	17
Checkers, examiners, and inspectors, manufacturing		138	25	—	—	34	—	—	25	11	—	—	34	—
Packers and wrappers, except meat and produce		11	—	—	—	16	19	—	5	—	4	—	12	—
Other operatives, except transport		126	12	6	—	180	8	—	244	53	29	38	232	110
Transport equipment operatives		4	—	—	—	—	4	—	—	—	30	7	—	—
Laborers, except farm		—	5	—	—	17	—	3	5	10	—	—	—	—
Farm workers		—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household		7	—	—	—	9	—	—	—	—	15	—	4	—
Personal service workers		—	—	—	—	—	—	—	—	—	7	—	—	—
Other service workers, including private household		7	—	—	—	9	—	—	—	—	8	—	4	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Occupation	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
LORAIN-ELYRIA SMSA													
Total employed	861	1 027	906	1 022	1 656	2 083	3 019	2 532	1 953	2 803	3 913	701	1 979
Professional, technical, and kindred workers													
Accountants		5	27	99	82	92	86	23	13	31	109	15	58
Architects				7		18	24		7		3	15	39
Computer specialists				9			5						4
Engineers			9	48	48	21			6		11		
Chemical													
Civil													
Electrical and electronic			5	39	25	4					11		
Industrial					10								
Mechanical			4		3								
Other engineers				9		17			6				
Mathematical specialists													
Life and physical scientists													
Chemists													
Personnel and labor relations workers			5				33	10			5		4
Social scientists			5										
Engineering and science technicians			5	12	14	9							
Draftsmen			5	12	5	9							
Electrical and electronic engineering technicians													
Industrial and mechanical engineering technicians													
Technicians, except health, and engineering and science													
Writers, artists, and entertainers				23	6	5	13			24	4		
Other professional, technical, and kindred workers			8		14	11	11	13		7	86		11
Managers and administrators, except farm	139	48	47	42	47	183	308	284	309	293	460	54	332
Buyers, purchasing agents, and sales managers						69		77	29		81	5	6
Other managers and administrators	139	48	47	42	47	124	183	207	280	293	379	49	325
Salaried	139	48	47	42	43	178	178	207	280	199	283	49	325
Self-employed		8	5		4	28	5	66	135	94	96		
Subs workers	6	6	7	18	30	506	1 425	608	331	37	1 449	327	319
Clerical and kindred workers	97	100	188	469	201	399	578	719	187	116	740	294	1 078
Bookkeepers	12	20	18	25	30	101	90	54	96	17	222	29	158
Cashiers			19	4	19	7	207	538	96	91	94	5	158
Estimators and investigators, n.e.c.	5		5	11	7	11	26		4				
Office machine operators	4		4	10	6	4		4			10		29
Shipping and receiving clerks	5	5	7	4	9	23	38	5	6		13		68
Stock clerks and storekeepers	5	5	7	4	9	23	34	62	6		34		
Other clerical and kindred workers	71	75	139	415	125	216	188	56	75	8	367	238	813
Craftsmen and kindred workers	348	87	162	373	774	241	149	52	470	12	394	6	54
Blacksmiths, farriers, hammermen, and boilermakers					32	5							
Brickmasons and stonemasons							8		5		14		11
Carpenters					8	16							
Cranemen, derrickmen, and hoistmen													
Electricians	5				47								
Excavating, grading, and road machine operators			9		28								
Foremen, n.e.c.	6	9	17	10	101	41	35	9	16		9	6	15
Mechanics and repairmen	56	65	127	4	106	32	74	8	435	6	110		11
Automobile, including body	57	85	16		32	429	29	6	6		15		
Machinists, job setters, and toolmakers					5	16							
Metal craftsmen, except mechanics and machinists													
Painters, construction and maintenance, and plasterers and paperhangers			4		34	6					4		6
Plumbers and pipe fitters	3			14							4		
Printing craftsmen													
Stationary engineers and power station operators					173								
Other craftsmen and kindred workers	221	9	5	349	240	46	32	29	8	6	244		5
Operatives, except transport	28	23	135		172	166	43	266	520	7	143		6
Assemblers			5			22	5						
Checkers, examiners, and inspectors; manufacturing													
Fitters, polishers, sanders, and buffers													
Painters, manufactured articles									17				
Precision machine operatives													
Welders and flamecutters			6		37	23	38	233	499	7	131		68
Other specified operatives	15	5	12		74	13	5	5	5				
Machine operatives, miscellaneous specified	5				23	4							
Machine operatives, not specified					27	4							
Miscellaneous operatives	8	6	56			11		16			12		7

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
Total employed—Continued													
Transport equipment operatives	158	677	238	11	115	292	67	41	25	177	—	—	—
Deliverymen and roulemen	—	62	—	11	—	152	49	10	15	112	—	—	—
Truck drivers	5	615	11	—	67	106	14	14	10	37	—	—	—
Other transport equipment operatives	153	—	227	—	48	34	4	17	—	28	—	—	—
Labors, except farm	68	76	60	5	195	145	450	69	9	203	—	34	—
Freight, stock, and material handlers	—	69	41	—	100	93	115	19	—	118	—	9	—
Other specified laborers	—	—	4	—	62	9	4	46	—	45	—	20	—
Agricultural laborers	52	—	—	5	23	—	—	—	—	13	—	5	—
Not specified laborers	16	7	15	—	10	43	9	4	9	27	—	—	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	17	5	42	5	40	49	63	13	2 273	238	5	104	—
Cleaning service workers	6	5	—	5	31	82	22	13	104	34	5	66	—
Personal service workers	—	—	15	—	—	5	—	—	11	11	—	13	—
Cards and watchmen	—	—	—	—	—	—	—	—	—	—	—	15	—
Other service workers, including private household	5	—	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	6	—	27	—	9	17	41	—	2 154	193	—	10	—
Female employed	35	51	223	458	171	432	2 256	1 402	1 957	2 047	274	1 139	—
Professional, technical, and kindred workers	—	—	—	9	5	11	66	5	7	13	—	16	—
Accountants	—	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists	—	—	—	4	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	7	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	—	—	—	5	5	6	34	5	—	4	—	—	—
Managers and administrators, except farm	—	4	—	—	—	7	129	22	110	135	14	62	—
Salaried	—	—	—	—	—	—	129	33	82	111	14	62	—
Self-employed	—	4	—	—	—	7	25	—	28	24	—	—	—
Sales workers	—	—	7	—	10	34	1 260	482	31	867	25	114	—
Clerical and kindred workers	29	35	87	423	124	274	526	635	105	658	230	906	—
Bookkeepers	5	15	18	10	16	90	80	54	17	207	24	153	—
Cashiers	—	—	4	4	19	—	207	533	80	94	5	10	—
Counter clerks, except food	—	—	—	—	—	—	—	—	—	—	—	—	—
File clerks	—	9	3	4	5	6	14	—	—	15	—	—	—
Office machine operators	—	—	5	5	—	3	—	—	—	10	—	—	—
Bookkeeping and billing machine operators	—	—	—	—	—	8	—	—	—	6	—	—	—
Receptionists	9	11	5	—	17	79	26	3	8	89	6	49	—
Secretaries	—	—	—	—	—	8	—	—	—	20	—	38	—
Stenographers	6	—	10	37	6	13	15	21	—	92	—	20	—
Typists	9	—	36	363	59	70	177	18	—	43	—	162	—
Other clerical and kindred workers	—	—	—	—	—	—	—	—	—	196	—	12	—
Craftsman and kindred workers	—	—	—	20	10	9	36	24	6	105	—	—	—
Foremen, n.e.c.	—	—	—	5	—	15	—	—	—	5	—	—	—
Operatives, except transport	—	6	—	—	5	69	12	71	7	77	—	—	—
Assemblers	—	—	—	—	—	7	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	6	—	—	—	18	—	—	7	—	—	—	—
Other operatives, except transport	—	—	—	—	5	44	12	50	8	77	—	—	—
Transport equipment operatives	—	6	125	6	17	10	5	4	21	—	—	—	—
Labors, except farm	—	—	4	—	—	14	22	90	5	6	—	—	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	6	—	—	—	—	4	200	33	1 665	186	5	41	—
Cleaning service workers	—	—	—	—	—	4	43	—	18	9	5	28	—
Personal service workers	—	—	—	—	—	—	22	—	4	11	—	13	—
Other service workers, including private household	6	—	—	—	—	—	135	—	1 643	166	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
LORAIN-ELYRIA SMSA												
Total employed	1 145	1 165	526	2 285	665	2 996	1 902	4 495	2 610	1 310	1 548	3 083
Professional, technical, and kindred workers	161	31	28	60	93	1 050	555	2 788	1 189	530	715	915
Accountants	6	4	11	—	—	—	—	—	—	—	11	63
Architects	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists	20	—	—	—	—	—	—	6	20	—	4	10
Engineers	23	6	—	—	—	—	—	—	14	—	104	86
Chemical	—	—	—	—	—	—	—	—	—	—	5	—
Civil	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	—	—	—	—	—	—	—	—	5	—	24	5
Industrial	—	—	—	—	—	—	—	—	—	—	27	17
Mechanical	8	—	—	—	—	—	—	—	—	—	8	10
Other engineers	15	6	—	—	—	—	—	—	—	—	30	10
Mathematical specialists	—	—	—	—	—	—	—	—	9	—	—	44
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Chemists	—	—	—	—	—	12	—	6	7	—	—	25
Personnel and labor relations workers	48	—	—	—	—	5	—	—	4	—	—	11
Social scientists	4	—	—	—	5	—	—	—	—	16	—	4
Engineering and science technicians	10	—	—	—	—	—	—	—	18	—	—	97
Draftsmen	—	—	—	—	—	—	—	—	4	—	—	21
Electrical and electronic engineering technicians	—	—	—	—	—	—	—	—	—	—	—	58
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	5	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	24	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	21	21	—	30	31	1 019	555	2 770	1 106	—	354	67
Managers and administrators, except farm	81	103	66	120	103	49	27	278	113	123	21	217
Buyers, purchasing agents, and sales managers	5	10	—	120	103	49	27	278	113	123	21	217
Other managers and administrators	76	93	66	120	103	49	27	278	113	123	21	217
Self-employed	71	63	44	80	77	49	20	278	113	123	15	217
Self-employed	5	30	22	40	26	7	—	—	—	—	6	—
Sales workers	103	35	9	63	15	—	5	10	9	5	11	15
Clerical and kindred workers	314	95	79	148	88	380	282	625	578	316	415	984
Bookkeepers	64	23	9	26	9	11	27	11	32	—	15	52
Cashiers	5	6	—	12	28	16	—	52	6	—	—	—
Estimators and investigators, n.e.c.	18	10	—	—	—	—	—	—	—	—	—	—
Office machine operators	18	—	—	—	—	13	—	9	32	—	11	8
Shipping and receiving clerks	14	4	—	—	—	—	—	—	—	—	—	—
Stock clerks and storekeepers	14	—	—	—	—	13	—	3	5	—	—	—
Other clerical and kindred workers	195	52	70	110	51	302	255	550	514	284	389	888
Craftsmen and kindred workers	104	580	—	31	37	32	58	73	39	19	26	171
Blacksmiths, forgers, hammermen, and boilermakers	—	5	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	—	—	—	—	6	5	3	17	—	—	5	6
Craftsmen, derrickmen, and hoistmen	8	—	—	—	—	—	—	—	—	—	—	—
Electricians	—	3	—	—	—	4	5	7	5	—	—	—
Excavating, grading, and road machine operators	—	5	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	27	10	—	11	6	7	4	—	10	—	—	39
Mechanics and repairmen	41	461	—	—	—	—	—	—	—	—	—	95
Automobile, including body	—	321	—	—	—	—	—	—	—	—	—	14
Machinists, job setters, and toolmakers	—	10	—	—	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	4	—	—	—	—	3	—	10	—	—	—	10
Plumbers and pipe fitters	4	—	—	—	—	—	—	—	—	—	—	—
Printing craftsmen	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators	—	79	—	15	—	8	41	4	6	—	—	—
Other craftsmen and kindred workers	20	—	—	—	—	—	—	8	—	—	—	—
Operatives, except transport	104	100	9	298	7	71	36	20	21	15	44	40
Assemblers	5	5	—	—	—	—	—	—	—	—	10	—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Filers, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	—	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	—	24	—	—	—	—	—	—	—	—	—	—
Other specified operatives	—	—	—	—	—	—	—	—	—	—	—	—
Machine operatives, miscellaneous specified	67	41	9	298	7	71	25	20	12	5	18	11
Machine operatives, not specified	12	5	—	—	—	—	—	—	—	—	—	9
Miscellaneous operatives	—	—	—	—	—	—	—	—	—	—	—	10
Not specified operatives	20	11	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and membership organizations	Other professional and related services	Public administration
The State Standard Metropolitan Statistical Areas of 250,000 or More												
LORAIN-ELYRIA SMSA—Continued												
Total employed—Continued												
Transport equipment operatives	11	56	8	55	—	5	—	5	6	—	13	17
Deliverymen and routemen	4	12	—	24	—	5	—	—	—	—	—	—
Truck drivers	7	20	—	15	—	—	—	5	—	—	6	—
Other transport equipment operatives	—	24	8	16	—	—	—	—	6	—	7	—
Laborers, except farm	42	142	—	31	73	19	—	—	37	20	25	45
Freight, stock, and material handlers	16	119	—	8	63	13	—	—	12	2	4	7
Other specified laborers	—	—	—	13	—	6	—	—	20	10	17	25
Miscellaneous laborers	—	—	—	10	—	—	—	—	12	4	4	—
Not specified laborers	24	17	—	—	—	—	—	—	5	8	—	13
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	225	23	327	1 470	249	1 390	939	696	618	282	278	679
Personal service workers	171	6	192	28	51	228	65	389	191	127	13	73
Cards and watchmen	38	—	31	688	49	24	30	78	98	45	4	9
Other service workers, including private household	5	17	98	753	149	1 132	838	229	329	110	255	584
Female employed	529	150	349	1 801	294	2 587	1 482	2 785	1 616	725	832	674
Professional, technical, and kindred workers	49	20	14	35	26	922	260	1 726	699	188	208	83
Accountants	—	—	4	—	—	10	—	—	—	—	—	25
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	12	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	10	—	—	—	—	732	187	24	10	10	—	7
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	4	—	5	5	5	—	—	—	—	41	9	—
Other professional, technical, and kindred workers	35	16	5	18	—	168	73	1 702	683	137	155	51
Managers and administrators, except farm	12	8	30	49	31	11	23	33	41	42	10	42
Salaries	12	8	19	41	20	11	16	33	41	42	4	42
Self-employed	—	—	11	8	—	—	7	—	—	—	6	—
Sales workers	32	6	9	53	15	—	5	—	5	5	—	4
Clerical and kindred workers	234	70	49	139	69	355	269	554	513	295	382	479
Bookkeepers	68	23	9	26	9	11	27	11	21	27	10	46
Cashiers	5	—	—	12	22	16	—	52	6	—	—	—
Counter clerks, except food	—	5	15	43	11	—	—	5	—	5	—	5
File clerks	—	—	—	5	—	—	—	5	—	—	—	—
Office machine operators	—	—	—	—	—	13	—	—	17	—	—	—
Bookkeeping and billing machine operators	9	—	4	22	—	47	85	—	15	17	3	15
Receptionists	46	23	9	4	21	122	122	187	236	176	3	106
Secretaries	9	—	—	—	—	—	—	—	6	7	5	5
Typists	22	5	—	5	—	23	15	44	47	41	25	85
Other clerical and kindred workers	69	14	12	22	6	124	20	235	159	17	115	199
Craftsmen and kindred workers	13	22	—	5	—	8	9	13	3	—	6	—
Foremen, n.e.c.	9	—	—	—	—	—	—	—	—	—	—	—
Operatives, except transport	70	5	9	259	3	47	31	5	6	10	14	—
Assemblers	5	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	—	—	—	—	—	—	—	—	—
Other operatives, except transport	52	—	9	10	—	—	—	—	—	—	—	—
Other operatives, except transport	13	—	—	249	3	47	31	5	6	10	9	—
Transport equipment operatives	—	—	—	5	—	—	—	—	—	—	—	—
Laborers, except farm	12	6	—	13	—	5	—	—	5	—	—	—
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	107	13	238	1 243	150	1 239	885	454	344	185	212	66
Cleaning service workers	91	—	150	8	21	69	41	21	158	62	9	19
Personal service workers	11	—	25	506	9	24	22	69	98	35	4	4
Other service workers, including private household	5	13	63	729	120	1 057	822	224	177	88	199	43

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							
					Total	Furniture, lumber, and wood products	Stone, clay, glass, and products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies
Total employed	265 683	4 100	447	13 888	89 574	2 144	12 489	3 083	2 658	8 045	9 587	4 474
Professionals, technical, and kindred workers	36 046	110	14	399	7 893	157	2 117	88	187	471	1 110	443
Accountants	2 321	6	5	51	1 004	38	225	16	51	82	108	37
Architects	83	—	—	—	24	—	10	—	—	—	—	—
Computer specialists	4 134	—	—	—	321	34	861	30	45	15	34	—
Engineers	234	—	—	224	2 687	—	90	—	—	—	531	170
Civil	536	—	—	149	202	11	31	—	—	—	30	5
Electrical and electronic	545	—	—	19	202	31	79	4	—	5	83	51
Industrial	772	—	—	301	630	5	163	12	20	20	98	63
Mechanical	603	—	—	28	548	18	336	4	5	30	148	12
Other engineers	1 244	—	—	28	900	—	362	10	20	65	172	39
Mathematical specialists	37	—	—	—	14	—	5	—	—	—	—	—
Life and physical scientists	462	—	—	—	327	—	149	5	28	17	—	13
Chemists	346	—	—	—	264	—	106	5	22	17	—	8
Personnel and labor relations workers	909	6	—	9	374	11	88	9	4	34	32	26
Social scientists	354	—	—	—	134	—	87	—	—	—	11	—
Engineering and science technicians	1 668	4	9	67	4 488	30	241	17	49	119	274	128
Draftsmen	251	—	—	28	624	24	53	17	25	78	220	50
Electrical and electronic engineering technicians	139	—	—	—	154	—	20	—	—	4	4	—
Industrial and mechanical engineering technicians	251	—	—	—	154	—	19	—	—	21	19	—
Technicians, except health, and engineering and science	305	14	4	5	129	5	20	—	—	17	43	27
Writers, artists, and entertainers	2 114	75	—	21	662	15	113	11	10	63	58	20
Other professional, technical, and kindred workers	22 323	—	—	17	783	24	189	—	—	—	—	—
Managers and administrators, except farm	19 776	47	38	1 200	4 163	161	819	74	124	452	474	155
Buyers, purchasing agents, and sales managers	2 990	4	4	82	822	23	132	4	16	91	100	29
Other managers and administrators	16 786	43	38	1 118	3 341	138	687	70	108	374	374	126
Salaried	14 116	33	38	781	3 159	119	668	60	99	348	369	121
Self-employed	2 670	10	—	357	1 82	19	19	10	9	13	5	5
Sales workers	18 444	22	10	270	1 997	27	95	26	35	62	173	66
Clerical and kindred workers	45 271	50	50	901	11 198	245	1 931	265	256	835	1 418	649
Bookkeepers	4 998	12	27	208	1 016	52	167	37	—	32	129	62
Cashiers	3 273	—	—	—	149	—	—	—	—	—	—	6
Estimators and investigators, n.e.c.	842	—	—	122	138	—	34	—	—	6	—	—
Office machine operators	1 665	7	—	22	681	5	120	48	24	51	138	36
Shipping and receiving clerks	1 375	6	—	—	527	31	74	22	22	88	106	61
Stock clerks and stockkeepers	1 732	—	—	10	817	12	46	22	17	89	160	75
Other clerical and kindred workers	31 166	25	23	539	7 570	185	1 486	156	156	549	845	429
Craftsmen and kindred workers	41 477	88	90	8 110	19 838	521	2 285	945	792	1 772	2 754	711
Blacksmiths, farriers, hammermen, and boilermakers	326	9	—	92	174	—	3	—	—	38	20	—
Brickmasons and stonemasons	480	—	—	375	174	—	23	—	—	14	25	—
Carpenters	2 221	7	—	87	375	72	273	15	—	5	—	—
Cranemen, derrickmen, and hoistmen	496	5	15	112	947	9	149	149	5	65	26	—
Electricians	1 864	8	5	697	854	4	193	37	43	50	88	44
Excavating, grading, and road machine operators	613	4	33	376	854	4	48	7	—	—	—	—
Farmers, n.e.c.	6 271	22	16	559	4 893	98	687	173	171	455	481	198
Mechanics and repairmen	8 544	18	10	335	4 822	16	419	82	88	216	216	131
Automobile, including body	3 374	3	—	18	559	35	24	—	—	21	16	13
Mechanists, job setters, and toolmakers	4 826	—	—	26	4 638	—	168	91	240	574	1 433	162
Metal craftsmen, except mechanics and machinists	2 465	—	—	480	1 922	—	245	283	90	174	238	68
Painters, construction and maintenance, and plasterers and paperhangers	1 071	6	—	654	1 118	—	14	4	4	9	22	5
Plumbers and pipe fitters	1 615	—	—	964	443	—	68	30	36	35	5	—
Printing craftsmen	1 138	—	—	—	1 045	—	36	5	5	5	31	15
Stationary engineers and power station operators	852	—	22	—	310	—	38	21	16	5	9	—
Other craftsmen and kindred workers	8 055	10	11	1 601	2 011	286	142	34	88	127	103	88
Operatives, except transport	43 039	31	113	851	35 063	781	3 867	1 182	1 033	3 634	3 204	2 177
Assemblers	4 744	—	—	4 649	4 649	129	31	129	48	317	317	517
Checkers, examiners, and inspectors, manufacturing	4 308	—	—	—	4 308	36	849	101	153	386	283	465
Filers, polishers, sanders, and buffers	940	—	6	—	896	53	258	39	39	199	68	10
Painters, manufactured articles	597	—	—	—	556	29	16	4	—	106	44	6
Precision machine operatives	2 622	—	—	—	2 568	12	34	127	113	182	774	130
Welders and flamecutters	2 587	—	—	337	9 986	41	37	24	24	400	270	52
Other specified operatives	16 077	22	98	449	9 986	289	1 061	376	303	306	464	313
Machine operatives, miscellaneous specified	4 447	—	—	11	4 200	76	420	167	218	297	239	255
Machine operatives, not specified	3 289	—	—	5	3 169	36	195	152	152	189	228	274
Miscellaneous operatives	1 760	—	—	15	1 431	49	223	54	30	122	94	67
Not specified operatives	1 668	9	—	23	1 470	31	586	59	19	130	45	68

The State Standard Metropolitan Statistical Areas of 250,000 or More

TOLEDO, OHIO—MICH., SMSA

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Persons 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing							
					Durable goods							Total
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal	Machinery, except electrical	Electrical machinery, equipment, and supplies	
The State Standard Metropolitan Statistical Areas of 250,000 or More												
TOLEDO, OHIO—MICH., SMSA—Continued												
Total employed—Continued												
Transport equipment operatives.....	11 302	70	30	415	39	506	105	113	273	101	32	
Deliverymen and routemen.....	2 170	4	—	18	5	31	9	5	59	5	7	
Truck drivers.....	4 910	54	30	339	21	268	11	23	79	52	14	
Other transport equipment operatives.....	4 222	12	—	58	13	207	85	85	155	44	11	
Laborers, except farm.....	12 643	458	61	1 643	137	595	278	75	383	175	162	
Freight, stock, and material handlers.....	6 269	11	35	46	53	384	63	30	251	79	87	
Other specified laborers.....	4 117	418	10	1 597	28	45	18	14	52	19	24	
Miscellaneous laborers.....	1 919	19	5	235	5	5	118	5	23	11	4	
Not specified laborers.....	1 620	10	11	—	51	161	79	26	57	46	44	
Farm workers.....	3 198	3 198	—	—	—	—	—	—	—	—	—	
Service workers, including private household.....	34 487	26	41	99	56	274	100	43	163	178	59	
Cleaning service workers.....	7 129	6	20	47	36	178	56	37	108	142	45	
Personnel and janitors.....	3 870	—	—	—	—	4	—	—	—	—	—	
Guards and watchmen.....	1 069	15	5	7	20	64	34	—	29	18	—	
Other service workers, including private household.....	22 419	5	16	45	—	28	10	6	26	18	14	
Female employed	96 186	629	39	877	521	2 344	157	293	1 340	1 745	1 754	
Professional, technical, and kindred workers.....	14 839	26	—	22	14	130	5	5	29	43	34	
Accountants.....	459	6	—	—	4	22	—	—	8	9	7	
Computer specialists.....	74	—	—	—	—	9	—	—	6	5	—	
Life and physical scientists.....	32	—	—	—	—	4	—	—	—	—	—	
Registered nurses, dietitians, and therapists.....	3 318	10	—	4	—	16	5	5	—	—	—	
Social scientists.....	31	—	—	—	—	—	—	—	—	—	—	
Writers, artists, and entertainers.....	79	—	—	14	4	26	—	—	4	7	5	
Other professional, technical, and kindred workers.....	10 156	10	—	4	6	53	—	—	11	22	22	
Managers and administrators, except farm.....	3 196	8	—	37	15	43	—	—	30	25	—	
Salaries.....	2 679	8	—	28	15	35	—	—	30	25	—	
Self-employed.....	517	—	—	9	—	8	—	—	—	—	—	
Sales workers.....	7 965	5	—	74	—	—	—	—	8	5	4	
Clerical and kindred workers.....	33 189	44	34	580	192	1 375	87	145	466	845	427	
Bookkeepers.....	3 964	12	16	150	28	95	—	12	47	125	35	
Cashiers.....	2 889	—	—	—	—	4	—	—	—	6	6	
Counter clerks, except food.....	814	—	—	—	—	4	—	—	—	10	9	
File clerks.....	1 296	7	—	17	4	72	6	9	15	42	27	
Office machine operators.....	1 072	5	—	5	5	79	—	10	51	84	32	
Bookkeeping and billing machine operators.....	9 025	5	—	5	—	—	—	—	11	5	—	
Receptionists.....	339	10	14	26	80	822	39	75	189	227	10	
Secretaries.....	3 144	10	—	14	23	22	—	3	6	22	10	
Stenographers.....	3 051	10	—	61	23	118	—	10	42	75	147	
Typists.....	10 051	—	4	62	52	209	33	29	96	195	76	
Other clerical and kindred workers.....	1 588	6	—	120	27	39	29	42	29	84	57	
Foremen, n.e.c.....	291	—	—	—	—	14	—	4	9	26	17	
Operatives, except transport.....	10 606	—	5	—	215	678	32	91	725	733	1 195	
Assemblers.....	1 795	—	—	—	26	94	85	16	85	303	367	
Checkers, examiners, and inspectors, manufacturing.....	1 281	—	—	—	13	266	8	41	105	113	303	
Packers and wrappers, except meat and produce.....	1 059	—	—	—	—	80	—	—	59	25	99	
Other operatives, except transport.....	6 471	—	5	—	165	238	24	34	476	292	426	
Transport equipment operatives.....	935	—	—	10	—	16	—	—	—	—	—	
Laborers, except farm.....	982	40	—	13	33	35	4	10	30	10	18	
Farm workers.....	500	500	—	—	—	—	—	—	—	—	—	
Service workers, including private household.....	22 386	—	—	16	25	28	—	—	23	—	19	
Cleaning service workers.....	2 528	—	—	16	11	9	—	—	—	—	5	
Personal service workers.....	2 674	—	—	—	—	—	—	—	—	—	—	
Other service workers, including private household.....	17 184	—	—	—	—	19	—	—	12	—	14	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

The State Standard Metropolitan Statistical Areas of 250,000 or More		Manufacturing—Continued												
		Durable goods—Continued					Nondurable goods							
		Motor vehicles and motor equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
Total employed		20 818	815	658	100	5 349	3 609	772	628	3 056	2 849	2 458	2 268	3 714
Professional, technical, and kindred workers		1 296	69	4	—	384	87	65	17	155	351	312	213	367
Architects		224	10	—	—	26	17	4	6	38	7	53	36	26
Computer specialists		—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers		84	—	—	—	21	—	—	—	—	—	11	—	4
Engineers and technicians		446	20	—	—	61	44	6	—	47	6	76	81	109
Civil		—	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic		18	6	—	—	12	—	—	—	9	—	13	—	10
Industrial		23	—	—	—	5	28	6	—	10	6	11	6	16
Mechanical		149	9	—	—	5	—	—	—	10	6	—	—	9
Other engineers		192	—	—	—	39	16	—	—	23	—	6	—	6
Other engineers and technicians		58	5	—	—	—	—	—	—	—	—	—	—	45
Mathematical specialists		4	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists		23	—	—	—	—	5	5	—	4	5	57	6	10
Chemists		83	—	—	—	—	—	5	—	—	5	57	6	10
Personnel and labor relations workers		20	—	—	—	19	5	—	—	22	4	4	15	21
Social scientists		80	—	—	—	—	—	—	—	11	—	—	—	5
Social scientists and technicians		250	29	—	—	39	12	40	5	16	—	80	41	118
Engineering and science technicians		99	—	—	—	24	—	4	5	11	—	4	5	5
Electrical and electronic engineering technicians		5	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians		58	15	—	—	4	—	—	—	5	—	—	—	10
Technicians, except health, and engineering and science		11	5	—	—	6	—	—	—	—	—	—	—	—
Writers, artists, and entertainers		40	—	—	—	43	—	—	6	13	—	6	—	10
Other professional, technical, and kindred workers		114	5	—	—	169	4	10	—	4	7	25	20	8
Managers and administrators, except farm		527	38	34	7	282	200	23	25	94	238	176	193	137
Buyers, purchasing agents, and sales managers		126	4	12	—	41	35	13	9	18	79	67	12	17
Other managers and administrators		401	34	22	7	241	165	10	16	76	159	109	81	120
Sales		40	—	—	—	210	139	10	11	76	132	116	95	120
Sales—Self-employed		—	—	—	—	31	26	—	5	—	27	9	4	—
Sales workers		162	—	—	6	86	165	21	25	117	473	237	46	175
Clerical and kindred workers		2 193	100	41	30	723	370	108	77	375	531	295	268	448
Bookkeepers		154	—	—	—	41	73	—	18	59	69	43	26	49
Cashiers		5	5	—	—	4	5	—	—	—	5	—	8	—
Estimators and investigators, n.e.c.		31	—	—	—	—	—	—	—	29	—	—	—	—
Office machine operators		150	14	—	—	19	36	11	6	—	17	4	6	35
Shipping and receiving clerks		181	5	—	7	77	59	9	8	26	5	57	27	25
Stack clerks and storekeepers		226	5	11	19	19	10	10	27	29	21	21	17	27
Other clerical and kindred workers		1 445	66	30	16	563	187	78	45	201	430	170	184	310
Craftsmen and kindred workers		4 828	185	324	5	921	595	116	39	542	918	379	330	856
Blacksmiths, forgers, hammermen, and boilermakers		23	—	23	—	8	—	—	—	4	—	—	4	36
Brickmasons and stonemasons		5	—	—	—	—	—	—	—	—	—	6	—	—
Carpenters		21	—	43	—	4	—	—	—	—	—	—	—	38
Cranemen, derrickmen, and hoistmen		63	—	—	—	—	8	—	—	—	—	—	—	5
Electricians		229	9	49	—	—	29	14	—	19	5	6	10	25
Excavating, grading, and road machine operators		—	—	—	—	—	6	—	—	—	—	—	—	—
Foremen, n.e.c.		1 087	41	21	—	77	196	32	34	129	111	209	184	199
Mechanics and repairmen		939	48	26	—	84	134	13	—	89	4	11	54	135
Automobile, including body		403	—	6	—	15	29	—	—	5	—	—	—	10
Machinists, job setters, and toolmakers		1 560	79	31	5	52	10	4	—	65	11	11	48	59
Metal craftsmen, except mechanics and machinists		527	8	37	—	93	28	48	—	49	6	20	4	4
Painters, construction and maintenance, and plasterers and paperhangers		22	—	20	—	—	5	—	—	7	—	5	—	5
Plumbers and pipe fitters		159	—	16	—	14	15	—	5	14	—	5	—	70
Printing craftsmen		11	—	—	—	—	—	5	—	99	776	6	—	10
Stationary, engine, and power station operators		76	—	5	—	—	153	—	—	33	5	19	9	181
Other craftsmen and kindred workers		106	—	48	—	589	—	—	—	—	—	—	—	—
Operatives, except transport		9 507	386	195	37	2 397	1 196	379	377	1 413	199	730	1 083	1 276
Assemblers		2 159	4	26	—	263	4	5	18	44	6	12	—	11
Checkers, examiners, and inspectors, manufacturing		1 271	68	—	6	46	70	69	11	161	—	44	10	171
Fillers, polishers, sanders, and buffers		203	37	—	—	19	—	—	—	—	—	—	—	—
Painters, manufactured articles		214	—	5	—	25	9	7	13	12	—	6	27	10
Precision machine operatives		1 027	86	—	5	32	2	—	—	6	—	—	25	47
Welders and flamecutters		27	27	85	—	29	626	298	284	16	—	247	234	66
Other specified operatives		1 346	12	25	3	1 730	395	—	—	395	58	247	388	53
Machine operatives, miscellaneous specified		691	23	30	—	116	512	47	11	512	47	228	388	95
Machine operatives, not specified		1 483	31	5	10	48	84	—	6	98	41	53	107	44
Miscellaneous operatives		115	23	14	4	28	103	—	23	133	47	75	46	46
Not specified operatives		202	24	5	9	61	53	—	11	36	—	36	36	39

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

		Manufacturing—Continued												
		Durable goods—Continued					Nondurable goods							
		Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
The State														
Standard Metropolitan Statistical Areas of 250,000 or More														
TOLEDO, OHIO-MICH., SMSA—Continued														
Total employed—Continued														
Transport equipment operatives		688	—	8	5	160	591	23	—	142	40	110	55	117
Deliverymen and routemen		23	—	—	—	6	386	—	—	33	—	10	16	14
Truck drivers		187	—	8	5	23	51	4	—	40	4	61	6	53
Other transport equipment operatives		478	—	—	—	131	154	19	—	69	7	39	33	50
Laborers, except farm		986	23	12	—	212	269	15	57	146	43	124	103	223
Freight, stock, and material handlers		686	11	3	—	34	175	15	37	108	19	64	46	72
Other specified laborers		112	7	—	—	140	21	—	—	11	15	18	10	72
Miscellaneous laborers		25	—	—	—	—	17	—	—	6	—	5	5	—
Not specified laborers		163	5	9	—	38	53	—	14	21	9	47	42	79
Farm workers		—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household		631	14	40	10	184	136	22	11	72	56	85	37	115
Personal service workers		445	8	34	—	77	108	11	5	47	49	68	20	54
Guards and watchmen		129	6	—	—	7	5	11	6	17	—	—	9	3
Other service workers, including private household		45	—	6	10	100	23	—	—	8	7	17	8	39
Female employed		2 478	133	78	36	1 503	943	102	457	753	750	350	956	764
Professionals, technical, and kindred workers		85	5	—	—	72	9	15	6	32	77	36	17	32
Computer specialists		23	—	—	—	10	4	—	—	22	—	20	5	5
Life and physical scientists		—	—	—	—	4	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists		29	—	—	—	4	—	4	—	—	—	8	7	—
Social scientists		5	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers		5	—	—	—	15	—	—	—	4	70	—	—	4
Other professional, technical, and kindred workers		23	5	—	—	39	5	11	6	6	7	8	5	19
Managers and administrators, except farm		19	—	—	—	22	10	—	—	—	17	5	10	—
Salaried		19	—	—	—	22	10	—	—	—	14	5	10	—
Self-employed		—	—	—	—	—	—	—	—	—	3	—	—	—
Sales workers		16	—	—	6	6	25	—	5	6	76	—	—	20
Clerical and kindred workers		1 074	71	24	30	451	263	51	58	208	377	174	208	255
Bookkeepers		84	5	—	—	37	68	—	18	40	55	30	26	25
Cashiers		—	—	—	—	4	5	—	—	—	5	—	—	—
Owner clerks, except food		10	—	—	—	20	—	—	—	—	10	—	—	—
File clerks		82	4	—	5	4	—	4	—	—	16	—	—	—
Office machine operators		92	—	—	—	19	31	6	6	9	12	—	6	14
Bookkeeping and billing machine operators		23	—	—	—	—	—	—	—	—	—	—	—	—
Receptionists		14	—	—	—	6	—	—	—	—	11	—	13	—
Stenographers		483	19	19	5	104	69	10	11	53	75	73	83	91
Typists		131	15	—	—	29	18	6	—	6	10	—	13	12
Other clerical and kindred workers		216	16	5	14	230	72	13	13	59	131	36	67	113
Craftsmen and kindred workers		98	—	11	—	43	53	—	17	21	90	4	35	30
Foremen, n.e.c.		25	—	—	—	4	7	—	17	9	5	4	19	—
Operatives, except transport		1 067	57	33	—	825	535	36	339	455	77	120	645	408
Assemblers		470	5	5	—	196	34	—	19	29	6	12	110	7
Checkers, examiners, and inspectors, manufacturing		107	9	—	—	24	47	—	11	125	—	16	54	52
Packers and wrappers, except meat and produce		55	—	—	—	39	258	—	10	24	—	22	82	22
Other operatives, except transport		435	43	28	—	566	243	36	300	277	71	70	399	297
Transport equipment operatives		10	—	—	—	—	6	—	—	8	10	—	2	—
Laborers, except farm		48	—	5	—	35	29	—	27	16	4	5	27	7
Farm workers		—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household		61	—	5	—	49	13	—	5	7	22	6	12	12
Personal service workers		37	—	5	—	14	9	—	5	3	15	—	8	5
Other service workers, including private household		24	—	—	—	35	4	—	—	4	7	—	4	7

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More

TOLEDO, OHIO—MICH., SMSA

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
Total employed	4 653	5 286	2 802	2 803	4 390	10 762	8 299	6 589	5 670	9 638	12 848	3 109	6 412
Professional, technical, and kindred workers	58	31	165	333	383	467	143	45	67	114	665	39	241
Architects	17	10	3	5	35	105	26	9	30	10	37	18	112
Computer specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers	10	5	96	106	154	138	8	5	24	5	35	4	41
Chemical	—	—	—	—	—	—	—	—	—	—	—	—	—
Civil	5	5	4	—	40	—	—	—	4	—	—	—	—
Electrical and electronic	—	—	—	97	64	—	—	—	—	—	—	—	—
Industrial	—	—	4	—	11	—	—	—	—	—	—	—	—
Mechanical	5	—	88	5	30	10	—	—	13	5	—	—	—
Other engineers	—	—	—	4	4	74	—	—	7	—	23	—	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	16	—	—	—	—	—	—	—	—
Chemists	—	—	—	—	14	—	—	—	—	—	—	—	—
Personnel and labor relations workers	—	—	6	19	44	44	47	—	—	10	—	—	—
Social scientists	—	8	—	6	—	—	—	—	—	—	—	—	—
Engineering and science technicians	5	—	20	55	62	50	10	—	—	—	—	—	—
Draftsmen	—	—	—	9	57	36	4	—	—	—	13	—	—
Electrical and electronic engineering technicians	5	—	—	46	—	8	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians	—	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	—	8	30	30	10	4	—	—	—	—	6	—	—
Writers, artists, and entertainers	—	—	—	112	9	16	46	11	6	89	75	—	—
Other professional, technical, and kindred workers	17	—	10	—	24	24	—	20	7	—	468	—	—
Managers and administrators, except farm	606	292	251	244	193	1 522	867	940	982	1 013	1 771	331	1 147
Buyers, purchasing agents, and sales managers	15	10	5	24	28	359	484	267	122	18	495	41	49
Other managers and administrators	591	282	246	220	165	1 163	383	673	860	995	1 276	290	1 098
Salaried	591	253	228	214	165	1 022	357	640	890	592	1 031	245	1 031
Self-employed	—	29	18	6	—	141	26	216	320	403	386	15	67
Sales workers	19	82	24	65	57	2 106	4 203	945	960	137	4 489	1 378	1 094
Clerical and kindred workers	615	901	341	1 268	800	2 517	1 840	1 818	550	511	2 273	1 317	3 100
Bookkeepers	42	97	28	51	48	218	205	213	218	129	483	113	413
Cashiers	17	14	32	8	26	47	566	1 222	33	267	512	77	77
Estimators and investigators, n.e.c.	—	—	—	10	55	—	44	—	39	15	—	—	—
Office machine operators	—	—	—	10	17	—	—	—	6	6	—	—	—
Shipping and receiving clerks	33	174	21	5	—	101	113	36	6	—	28	—	243
Stock clerks and storekeepers	38	32	—	—	44	230	113	30	5	10	14	—	—
Other clerical and kindred workers	437	539	255	1 184	610	1 433	684	1 477	227	99	1 164	1 116	2 264
Craftsmen and kindred workers	1 867	556	307	813	1 696	1 230	329	229	1 293	42	1 223	4	87
Blacksmiths, forgers, hammermen, and boilermakers	5	—	—	—	—	—	—	7	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	11	—	8	—	11	—	6	—	15	—	—	—	—
Cranemen, derrickmen, and hoistmen	5	—	10	—	40	—	—	—	—	—	—	—	—
Electricians	54	—	17	5	109	19	4	—	—	—	—	—	—
Excavating, grading, and road machine operators	5	6	—	—	7	—	—	—	—	—	—	—	—
Foremen, n.e.c.	139	151	48	72	224	408	73	49	21	6	72	—	12
Mechanics and repairmen	329	286	183	52	384	514	117	31	1 252	10	338	—	8
Automobile, including body	—	28	76	13	47	110	27	27	1 233	—	34	—	—
Mechanists, job setters, and toolmakers	20	17	—	—	12	—	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists	—	4	—	—	10	22	—	—	—	—	10	—	—
Painters, construction and maintenance, and plasterers and paperhangers	—	9	—	—	5	10	—	—	5	—	14	—	—
Plumbers and pipe fitters	10	—	4	—	106	10	7	—	—	—	28	—	23
Printing craftsmen	—	—	—	—	—	13	—	—	—	—	10	—	—
Stationary engineers and power station operators	8	5	18	—	293	131	—	5	—	—	—	—	6
Other craftsmen and kindred workers	1 261	26	19	680	459	131	103	137	—	26	729	4	13
Operatives, except transport	126	81	390	17	210	806	118	823	1 542	29	472	11	99
Assemblers	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—
Filters, polishers, sanders, and buffers	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives	—	—	—	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters	36	7	—	—	44	—	—	—	—	—	—	—	—
Other specified operatives	36	37	318	5	61	443	104	752	1 484	24	13	—	16
Machine operatives, miscellaneous specified	8	5	10	—	30	119	—	8	—	5	35	—	6
Machine operatives, not specified	5	5	10	—	18	59	—	—	—	—	—	—	4
Miscellaneous operatives	29	4	46	12	47	73	—	—	—	—	29	—	—
Not specified operatives	12	10	—	—	—	22	—	—	—	—	41	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text.)

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate		
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade	
Total employed—Continued														
Transport equipment operatives														
Delivermen and routemen	992	2 695	954	9	341	1 059	119	156	84	135	—	—	—	26
Truck drivers	5	223	12	12	16	462	113	77	36	293	—	—	—	—
Other transport equipment operatives	33	2 429	13	9	134	442	6	63	48	11	—	—	—	22
	954	43	929	—	191	155	—	76	—	—	—	—	—	4
Laborers, except farm														
Freight, stock, and material handlers	255	595	202	15	551	870	301	1 457	152	32	—	—	—	177
Other specified laborers	8	510	124	5	287	631	283	1 409	30	22	—	—	—	22
Miscellaneous laborers	169	31	36	5	171	62	5	33	107	—	—	—	—	105
Not specified laborers	27	4	16	10	22	133	13	15	15	27	—	—	—	35
Farm workers														
Cleaning service workers, including private household	115	53	168	39	159	185	379	176	40	7 625	39	—	—	501
Personal service workers	51	40	28	27	118	100	74	46	40	264	39	—	—	365
Guards and watchmen	6	38	3	7	5	17	44	4	—	43	—	—	—	12
Other service workers, including private household	32	13	66	5	27	26	26	8	—	6	—	—	—	19
	188	510	748	1 323	621	2 431	6 160	2 813	573	6 503	1 367	—	—	105
Female employed														
Professional, technical, and kindred workers														
Accountants	6	13	9	38	44	39	106	4	10	59	13	—	—	55
Computer specialists	6	5	3	5	17	25	13	4	4	10	9	—	—	34
Life and physical scientists	—	—	—	—	—	—	8	—	—	—	4	—	—	5
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	—	8	6	28	18	10	52	—	6	45	—	—	—	9
Managers and administrators, except farm														
Salaried	9	23	30	46	25	110	394	130	55	373	72	—	—	178
Self-employed	9	23	30	46	25	99	376	105	40	298	72	—	—	155
	—	—	—	—	—	—	18	25	15	155	—	—	—	23
Sales workers														
Clerical and kindred workers	128	399	135	1 187	459	1 700	1 638	1 484	365	394	1 085	—	—	2 679
Bookkeepers	8	68	18	39	48	203	193	171	171	84	113	—	—	361
Cashiers	—	14	5	25	20	44	552	1 095	29	215	—	—	—	77
File clerks, except food	—	—	—	22	18	22	83	22	10	11	—	—	—	—
Office machine operators	5	—	—	20	6	36	33	16	16	19	34	—	—	72
Recapitulators	10	14	—	11	6	94	62	36	—	6	33	—	—	222
Stenographers	21	83	—	9	13	10	19	5	—	6	—	—	—	126
Typists	15	51	9	36	87	451	74	56	10	61	—	—	—	481
Other clerical and kindred workers	47	169	47	994	223	391	572	72	26	4	501	—	—	216
Craftsmen and kindred workers														
Foremen, n.e.c.	17	—	—	18	26	73	68	42	30	10	—	—	—	1 203
	—	—	—	6	—	39	37	—	—	—	—	—	—	—
Operatives, except transport														
Assemblers	—	4	6	3	—	219	83	275	53	15	—	—	—	21
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Packers and shippers, except meat and produce	—	4	—	—	—	90	49	16	—	—	—	—	—	—
Other operatives, except transport	—	—	6	3	—	113	34	259	46	5	—	—	—	21
Transport equipment operatives														
Laborers, except farm	21	49	540	—	51	20	39	—	9	26	—	—	—	—
	—	9	15	—	3	80	64	171	5	—	—	—	—	14
Farm workers														
Cleaning service workers	7	13	7	27	8	43	276	83	11	5 569	12	—	—	268
Personal service workers	—	13	7	20	8	8	15	8	11	57	12	—	—	179
Other service workers, including private household	7	—	—	7	—	29	44	27	—	4	—	—	—	75

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

(Data based on sample, see text. For meaning of symbols, see text)

Occupation	Industry Group										Public administration	
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations		Other professional and related services
Total employed	3 426	3 255	1 814	8 491	2 057	10 481	4 993	16 647	5 080	4 060	5 838	8 271
Professional, technical, and kindred workers	574	77	53	246	421	3 658	1 903	9 479	2 914	1 473	3 086	995
Accountants	76	—	14	—	7	—	—	—	—	6	538	187
Architects	—	—	—	—	—	—	—	—	—	—	41	9
Computer specialists	38	—	—	—	5	5	—	17	4	—	15	15
Engineers	55	8	—	—	6	18	39	39	9	5	25	90
Chemical	18	—	—	—	—	—	—	—	—	—	401	90
Civil	8	—	—	—	—	—	—	—	—	—	4	4
Electrical and electronic	—	—	—	—	—	—	—	—	—	—	175	35
Industrial	4	—	—	—	—	—	—	—	—	—	49	5
Mechanical	10	—	—	—	6	8	—	—	—	—	23	19
Other engineers	15	8	—	—	—	10	39	9	—	5	62	6
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	88	25
Life and physical scientists	10	5	—	—	—	35	—	4	—	5	6	9
Chemists	10	—	—	—	—	9	—	22	—	—	—	7
Personnel and labor relations workers	121	6	—	5	10	16	6	31	5	4	4	89
Social scientists	34	—	—	—	—	7	—	56	21	—	10	27
Engineering and science technicians	69	14	—	4	—	13	5	48	21	—	382	121
Draftsmen	14	—	—	4	—	6	—	8	6	—	310	46
Electrical and electronic engineering technicians	4	9	—	—	—	—	—	4	—	—	15	15
Industrial and mechanical engineering technicians	9	—	—	—	—	—	—	16	—	—	—	—
Technicians, except health, and engineering and science	109	12	21	10	247	—	—	99	14	161	176	99
Writers, artists, and entertainers	53	32	18	77	146	3 552	1 846	9 173	2 849	1 292	1 503	42
Other professional, technical, and kindred workers	304	245	191	429	259	208	143	657	244	390	194	915
Managers and administrators, except farm	37	—	—	13	—	28	—	—	5	9	18	25
Buyers, purchasing agents, and sales managers	219	140	189	416	260	180	143	635	239	381	176	890
Other managers and administrators	48	85	119	150	78	180	22	635	219	381	151	890
Self-employed	169	98	6	103	33	7	5	41	5	43	57	19
Sales workers	175	398	229	592	257	1 763	869	2 946	853	1 180	1 536	3 423
Clerical and kindred workers	94	107	25	97	47	89	85	116	127	116	127	13
Bookkeepers	—	7	—	19	—	—	—	109	34	30	234	13
Cashiers	80	11	29	99	5	16	5	65	11	11	—	—
Estimators and investigators, n.e.c.	75	12	—	—	—	78	4	71	12	9	12	—
Office machine operators	—	—	—	—	—	23	—	—	—	—	—	—
Shipping and receiving clerks	11	—	—	6	8	36	2	14	5	—	—	—
Stock clerks and stockkeepers	915	261	175	470	98	1 456	763	2 573	777	1 014	1 290	3 142
Other clerical and kindred workers	214	1 792	32	280	122	210	119	410	57	115	55	359
Craftsmen and kindred workers	—	15	—	—	—	12	4	4	—	—	—	—
Blacksmiths, farriers, hammermen, and boilermakers	—	—	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	10	—	—	—	—	42	—	24	4	—	9	—
Carpenters	—	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen	—	18	—	—	7	20	—	25	—	—	—	—
Electricians	—	—	—	—	—	—	—	—	—	—	—	—
Excavating, grading, and road machine operators	25	32	11	44	—	22	5	56	6	19	4	69
Foremen, n.e.c.	73	—	—	28	—	15	4	90	15	20	6	159
Mechanics and repairmen	9	1 341	—	7	55	15	4	36	10	—	6	87
Automobile, including body	15	779	—	17	—	—	—	36	10	—	9	13
Machinists, job setters, and toolmakers	11	23	—	—	—	—	—	4	—	—	—	—
Metal craftsmen, except mechanics and machinists	20	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers	6	—	12	13	11	18	—	58	5	10	6	11
Plumbers and pipe fitters	—	—	—	—	—	9	—	12	—	22	—	—
Printing craftsmen	—	—	—	—	—	9	—	17	—	8	—	—
Stationary engineers and power station operators	54	284	9	169	5	46	106	50	27	32	21	16
Other craftsmen and kindred workers	124	294	20	1 106	20	229	46	150	47	62	104	115
Operatives, except transport	—	3	—	—	—	—	—	—	—	—	—	—
Assemblers	7	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Fiers, polishers, sanders, and buffers	—	14	—	5	—	—	—	—	—	—	—	—
Painters, manufactured articles	—	6	—	—	—	—	—	—	—	—	—	—
Precision machine operators	—	101	—	7	—	—	—	—	—	—	—	—
Welders and flamecutters	85	110	20	1 078	6	219	32	108	42	9	4	16
Other specified operatives	12	10	—	5	—	10	—	6	—	49	50	87
Machine operatives, miscellaneous specified	—	—	—	—	—	—	—	—	—	—	—	—
Machine operatives, not specified	20	21	—	5	10	—	6	4	5	—	15	4
Miscellaneous operatives	—	—	—	—	—	—	—	—	—	—	—	—
Not specified operatives	—	—	—	—	—	—	—	—	—	—	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More		TOLEDO, OHIO-MICH., SMSA—Continued											
Total employed—Continued		Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit membership organizations	Other professional and related services	Public administration
Transport equipment operatives	60	100	5	191	27	16	15	59	14	20	25	128	
Deliverymen and routemen	22	5	10	95	12	5	5	10	10	14	5	5	
Truck drivers	29	38	26	15	15	11	—	34	4	6	10	95	
Other transport equipment operatives	9	57	5	70	15	—	—	—	—	—	10	21	
Laborers, except farm	54	201	27	161	167	60	18	86	55	73	35	271	
Freight, stock, and material handlers	—	—	—	52	16	28	4	11	4	19	4	106	
Other specified laborers	12	158	11	96	126	25	5	63	28	14	24	116	
Miscellaneous laborers	—	22	4	4	37	7	—	11	4	40	7	38	
Not specified laborers	26	21	16	9	4	—	—	8	23	—	—	—	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	752	120	1 251	5 383	751	4 330	1 875	2 819	891	704	746	2 066	
Cleaning service workers	473	37	598	109	128	572	171	1 322	352	385	26	274	
Personal service workers	—	22	168	245	83	83	34	24	144	149	28	35	
Guards and watchmen	219	5	—	17	41	41	30	31	9	2	25	100	
Other service workers, including private household	53	56	485	2 910	361	3 634	1 660	1 268	386	168	691	1 717	
Female employed	1 542	498	1 327	6 409	879	8 759	3 757	10 355	3 643	2 148	2 805	2 186	
Professionals, technical, and kindred workers	157	16	24	156	173	3 085	941	5 513	2 068	530	678	299	
Accountants	35	—	—	—	—	4	—	3	4	6	66	51	
Computer specialists	12	—	—	—	—	—	—	—	—	—	—	10	
Life and physical scientists	—	—	—	—	—	14	—	15	—	—	—	—	
Registered nurses, dietitians, and therapists	11	—	—	36	—	2 389	681	75	26	29	—	23	
Social scientists	7	—	—	—	—	—	—	10	—	—	6	—	
Writers, artists, and entertainers	19	6	17	79	80	—	—	42	0	104	59	9	
Other professional, technical, and kindred workers	73	10	7	41	93	728	260	5 373	2 029	391	547	206	
Managers and administrators, except farm	38	29	115	118	64	124	73	167	145	65	53	116	
Salaried	29	13	80	84	52	124	65	167	130	65	37	116	
Self-employed	9	16	35	34	12	—	8	—	15	—	16	—	
Sales workers	54	33	6	76	21	7	—	21	5	29	37	5	
Clerical and kindred workers	936	310	175	571	155	1 639	850	2 655	785	1 067	1 450	1 584	
Bookkeepers	61	103	25	70	30	1 639	850	2 655	785	1 067	1 450	1 584	
Cashiers	9	14	18	19	52	76	65	68	23	23	—	65	
Counter clerks, except food	—	—	—	—	—	65	10	69	34	26	—	5	
File clerks	43	14	58	218	51	51	37	87	43	16	39	38	
Office machine operators	53	6	—	—	—	78	4	66	12	9	12	52	
Bookkeeping and billing machine operators	—	—	—	—	—	24	—	—	—	—	—	—	
Receptionists	40	—	—	—	—	78	—	—	—	—	—	—	
Secretaries	271	35	16	84	20	168	245	78	39	37	20	18	
Stenographers	5	—	—	—	—	489	245	993	271	580	607	384	
Typists	158	22	6	37	12	5	11	22	58	124	124	194	
Other clerical and kindred workers	296	122	52	98	37	489	124	897	298	87	444	800	
Foremen, n.e.c.	9	26	11	41	—	26	33	66	—	20	—	—	
Craftsmen and kindred workers	—	—	5	—	—	6	5	14	—	15	—	—	
Operators, except transport	47	28	14	946	—	170	36	32	18	48	55	23	
Assemblers	—	—	—	—	—	—	4	—	—	—	10	—	
Checkers, examiners, and inspectors, manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	
Packers and wrappers, except meat and produce	5	—	—	14	—	—	—	—	—	6	9	6	
Other operatives, except transport	42	28	14	932	—	170	25	32	18	42	36	17	
Transport equipment operatives	24	5	—	6	17	—	15	29	—	—	5	11	
Laborers, except farm	5	5	—	56	22	22	—	—	8	8	6	11	
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	
Service workers, including private household	272	46	982	4 439	427	3 686	1 809	1 872	614	381	521	1 67	
Cleaning service workers	239	6	119	389	34	369	119	1 119	195	124	31	31	
Personal service workers	7	11	102	1 606	89	67	34	369	144	119	4	13	
Other service workers, including private household	26	29	392	2 769	304	3 230	1 656	1 134	345	138	517	123	

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State Standard Metropolitan Statistical Areas of 250,000 or More

YOUNGSTOWN—WARREN SMSA

	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing					Total		
					Durable goods							
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including not specified metal		Machinery, except electrical	Electrical, machinery, equipment, and supplies
Total employed	199 485	2 082	233	9 823	2 458	2 412	28 774	2 352	9 025	6 236	4 636	85 549
Professional, technical, and kindred workers.....	22 683	131	15	311	184	188	1 544	239	587	732	303	5 459
Accountants.....	1 403	14	10	55	11	32	211	58	52	32	9	599
Architects.....	75	—	—	6	—	—	—	—	—	—	—	6
Computer specialists.....	252	—	—	5	13	50	28	75	43	20	—	167
Engineers.....	2 574	—	5	158	32	5	466	75	180	394	150	1 917
Chemical.....	42	—	—	—	—	—	—	—	—	—	—	42
Civil.....	268	—	—	—	—	—	—	—	—	—	—	268
Electrical and electronic.....	301	—	—	—	—	—	—	—	—	—	—	301
Industrial.....	647	—	—	—	—	—	—	—	—	—	—	647
Mechanical.....	544	—	—	—	—	—	—	—	—	—	—	544
Other engineers.....	772	—	5	19	13	16	151	59	71	119	23	571
Mathematical specialists.....	26	—	—	—	—	—	—	—	—	—	—	26
Life and physical scientists.....	325	—	—	—	—	—	—	—	—	—	—	325
Chemists.....	294	—	—	—	—	—	—	—	—	—	—	294
Personnel and labor relations workers.....	515	—	—	4	—	—	84	16	39	40	10	271
Social scientists.....	122	—	—	—	—	—	10	—	5	7	—	130
Engineering and science technicians.....	1 811	12	—	52	80	21	364	45	179	176	96	1 315
Electrical and electronic engineering technicians.....	955	—	—	33	60	21	200	16	102	125	87	678
Industrial and mechanical engineering technicians.....	149	—	—	5	—	—	—	—	—	—	—	154
Technicians, except health, and engineering and science.....	181	—	—	—	—	—	—	—	—	—	—	181
Writers, artists, and entertainers.....	995	41	—	17	—	—	31	5	—	—	—	1 053
Other professional, technical, and kindred workers.....	14 462	64	—	14	25	17	136	16	60	25	11	295
Managers and administrators, except farm.....	12 982	27	22	958	127	192	408	143	379	268	92	2 316
Buyers, purchasing agents, and sales managers.....	2 053	—	5	68	39	5	78	22	64	67	32	471
Other managers and administrators.....	10 939	27	17	905	88	118	330	121	283	211	61	845
Salaried.....	8 931	—	12	673	70	118	320	121	265	201	81	718
Self-employed.....	2 008	—	5	232	18	—	10	—	18	10	—	127
Sales workers.....	13 786	32	6	79	27	48	98	16	80	114	40	1 197
Clerical and kindred workers.....	30 163	80	33	657	354	232	3 440	259	1 123	614	420	9 176
Bookkeepers.....	3 331	24	—	172	29	36	252	9	84	62	26	758
Cashiers.....	2 365	—	—	6	—	—	4	—	—	—	—	6
Estimators and investigators, n.e.c.....	570	—	—	81	14	—	35	5	22	20	6	122
Office machine operators.....	1 060	—	—	10	35	10	148	15	85	31	24	529
Shipping and receiving clerks.....	1 418	8	—	—	27	33	420	28	190	45	64	1 042
Stock clerks and storekeepers.....	1 143	4	—	—	13	10	152	25	67	65	29	660
Other clerical and kindred workers.....	20 276	44	33	374	236	143	2 329	177	675	391	271	6 053
Craftsman and kindred workers.....	35 090	45	35	5 479	373	417	9 594	549	2 200	1 522	751	21 591
Blacksmiths, forgemen, hammermen, and boilermakers.....	416	—	16	16	—	—	255	13	63	—	—	372
Brickmasons and stonemasons.....	782	—	—	345	—	12	381	—	35	—	—	432
Carpenters.....	1 792	5	—	220	35	—	180	—	46	—	—	443
Cranemen, derrickmen, and hoistmen.....	2 487	—	4	39	—	19	1 710	56	238	176	38	2 363
Electricians.....	1 952	—	—	579	—	—	524	19	113	46	40	1 477
Excavating, grading, and road machine operators.....	754	—	8	499	—	8	204	7	34	—	—	579
Foremen, n.e.c.....	5 654	24	4	348	—	—	1 814	187	458	304	156	4 280
Mechanics and repairmen.....	6 400	5	11	276	30	123	1 017	59	213	112	253	2 756
Automobile, including body.....	2 325	—	—	27	—	—	52	5	11	—	—	396
Machinists, job setters, and toolmakers.....	2 480	—	—	4	36	11	414	103	284	700	130	2 449
Metal craftsmen, except mechanics and machinists.....	3 049	—	—	244	31	29	1 682	55	243	96	52	2 779
Painters, construction and maintenance, and plasterers and paperhangers.....	612	—	—	424	10	—	272	13	112	5	—	424
Plumbers and pipe fitters.....	1 136	—	—	463	5	16	43	—	51	—	—	594
Printing craftsmen.....	651	—	—	622	—	—	329	—	7	—	—	622
Stationary engineers and power station operators.....	649	—	4	467	18	—	329	5	303	—	—	467
Other craftsmen and kindred workers.....	6 276	11	4	1 092	94	36	769	32	303	61	—	2 455
Operatives, except transport.....	39 050	20	83	540	1 045	879	8 172	883	3 343	2 516	2 738	33 678
Assemblers.....	3 886	—	—	4	175	40	72	25	22	25	504	3 831
Checkers, examiners, and inspectors; manufacturing.....	3 284	—	—	—	50	86	764	75	193	121	600	3 284
Filers, polishers, sanders, and buffers.....	363	—	—	—	57	5	83	30	4	7	14	346
Painters, manufactured articles.....	761	—	—	—	57	—	346	5	—	—	—	690
Precision machine operators.....	2 616	—	—	10	50	24	717	5	124	30	43	2 562
Welders and flamecutters.....	3 304	—	4	161	178	45	834	66	363	777	100	2 998
Other specified operatives.....	13 245	15	79	328	1 141	120	2 377	274	904	406	196	9 133
Machine operators, miscellaneous specified.....	5 672	—	—	5 338	236	190	345	122	365	345	409	5 338
Machine operatives, not specified.....	1 415	—	—	17	9	34	280	72	176	117	127	1 415
Miscellaneous operatives.....	2 734	—	—	26	69	183	924	45	168	127	148	2 428
Not specified operatives.....	1 830	—	—	—	19	45	775	54	174	45	—	1 727

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Persons 16 years and over	Agriculture, forestry, and fisheries	Mining	Construc- tion	Manufacturing							Total	Electrical machinery, equipment, and supplies
					Durable goods								
					Furniture, lumber, and wood products	Stone, clay, and glass products	Primary ferrous industries	Primary nonferrous industries	Fabricated metal industries, including non-specified metal	Machinery, except electrical			
YOUNGSTOWN—WARREN SMSA — Continued													
Total employed—Continued													
Transport equipment operatives	8 385	47	21	458	186	769	79	286	123	67			
Deliverymen and routemen	1 706	16	28	328	22	27	—	5	5	6			
Truck drivers	3 498	31	14	378	94	224	33	89	43	14			
Other transport equipment operatives	2 998	—	7	52	70	518	46	192	75	47			
Laborers, except farm													
Freight, stock, and material handlers	4 846	249	11	1 170	233	4 157	128	722	241	162			
Other specified laborers	3 254	238	6	43	92	1 253	51	273	57	107			
Miscellaneous laborers	2 174	—	—	1 121	40	1 478	4	53	28	4			
Not specified laborers	2 291	6	5	6	25	1 343	25	188	91	12			
Farm workers	1 437	1 437	—	—	92	1 083	48	208	65	39			
Service workers, including private household													
Cleaning service workers	23 354	14	7	151	166	690	66	305	85	73			
Personal service workers	5 515	4	—	72	3	469	47	209	70	42			
Guards and watchmen	2 465	—	—	12	3	—	—	6	—	—			
Other service workers, including private household	14 482	5	7	39	25	182	15	46	11	20			
Female employed													
Professional, technical, and kindred workers	67 470	352	45	535	556	1 417	283	954	587	2 032			
Accountants	9 471	30	5	13	16	50	6	31	14	27			
Computer specialists	303	—	—	—	—	—	—	6	—	—			
Life and physical scientists	30	—	—	—	—	—	—	10	—	—			
Registered nurses, dietitians, and therapists	2 457	5	—	—	4	19	—	5	—	—			
Social scientists	19	—	—	—	—	—	—	—	—	—			
Writers, artists, and entertainers	314	—	—	5	12	17	6	10	—	—			
Other professional, technical, and kindred workers	6 323	16	—	—	—	—	—	—	—	—			
Managers and administrators, except farm	1 986	—	—	14	4	20	4	7	14	10			
Solaried	1 613	—	—	10	4	20	4	7	4	10			
Self-employed	1 373	—	—	4	—	—	—	—	10	—			
Sales workers													
Clerical and kindred workers	6 625	10	6	—	—	5	—	—	—	—			
Bookkeepers	21 058	58	28	420	154	1 062	145	550	320	215			
Cashiers	2 688	18	—	126	26	84	4	44	50	26			
Counter clerks, except food	2 185	6	—	6	—	—	—	—	—	—			
File clerks	380	—	—	8	5	30	—	8	—	6			
Office machine operators	438	—	—	—	9	27	7	15	—	—			
Bookkeeping and billing machine operators	861	—	—	—	11	102	—	64	31	12			
Receptionists	5 709	5	—	10	10	—	—	—	—	—			
Secretaries	5 464	4	—	6	6	22	5	14	5	37			
Stenographers	214	4	—	204	43	38	3	189	123	12			
Typists	1 666	4	—	6	9	508	23	145	28	109			
Other clerical and kindred workers	6 453	27	11	62	48	313	41	157	78	49			
Craftsmen and kindred workers	1 348	6	—	42	15	75	10	37	13	6			
Foremen, n.e.c.	1 164	—	—	71	—	22	—	—	6	—			
Operatives, except transport													
Assemblers	10 925	5	6	7	298	112	96	258	204	1 690			
Checkers, examiners, and inspectors; manufacturing	1 960	—	—	—	5	—	—	35	11	233			
Packers and wrappers, except meat and produce	1 402	—	—	—	57	5	—	28	28	468			
Other operatives, except transport	6 952	5	6	7	43	107	35	34	35	134			
Transport equipment operatives	379	5	—	—	68	11	—	164	162	825			
Laborers, except farm	789	41	—	5	33	65	14	36	10	44			
Farm workers	197	197	—	—	—	—	—	—	—	—			
Service workers, including private household													
Cleaning service workers	14 692	—	—	34	11	17	8	35	10	6			
Personal service workers	2 040	—	—	24	11	13	8	30	10	—			
Other service workers, including private household	1 690	—	—	—	—	—	—	—	—	—			
Other service workers, including private household	10 962	—	—	10	—	4	—	5	—	6			

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
YOUNGSTOWN—WARREN SMSA													
Total employed	14 155	711	2 271	639	3 487	1 392	28	565	471	1 652	448	2 473	1 164
Professional, technical, and kindred workers	936	71	106	37	165	30	—	5	6	168	40	95	41
Accountants	130	5	14	5	—	9	—	—	6	10	—	—	9
Architects	—	—	—	—	—	—	—	—	—	—	—	—	—
Computer specialists	5	—	—	—	—	—	—	—	—	—	—	—	—
Engineers	403	31	42	11	18	8	—	—	—	16	8	33	5
Chemical	—	—	—	—	4	—	—	—	—	—	—	—	—
Civil	4	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and electronic	47	—	—	6	—	—	—	—	—	—	—	—	—
Industrial	187	—	—	—	—	—	—	—	—	—	—	—	—
Mechanical	105	17	6	5	4	—	—	—	—	5	—	19	—
Other engineers	60	14	16	—	10	—	—	—	—	11	—	8	—
Mathematical specialists	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemists	—	—	—	—	—	—	—	—	—	—	—	—	—
Personal and labor relations workers	57	—	—	—	5	—	—	—	—	—	—	—	—
Social scientists	—	—	—	—	12	—	—	—	—	—	—	—	—
Engineering and science technicians	190	20	37	11	11	—	—	—	—	—	—	—	—
Draftsmen	68	11	37	5	—	—	—	—	—	—	—	—	—
Industrial and electronic engineering technicians	25	—	—	—	—	—	—	—	—	—	—	—	—
Electrical and mechanical engineering technicians	46	9	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science	19	—	—	—	5	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	86	5	—	10	109	—	—	—	—	129	—	—	—
Other professional, technical, and kindred workers	213	11	26	5	113	112	—	17	16	83	38	75	66
Managers and administrators, except farm	28	6	6	5	14	—	—	3	5	30	5	5	8
Buyers, purchasing agents, and sales managers	185	5	20	—	14	92	—	14	11	53	33	63	58
Other managers and administrators	185	5	20	—	82	74	—	14	11	33	33	52	53
Salaried	—	—	—	—	17	18	—	—	—	20	—	—	—
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers	24	—	4	12	28	117	—	16	36	271	117	24	125
Clerical and kindred workers	1 027	109	198	130	357	107	—	64	84	388	98	228	104
Bookkeepers	87	—	5	6	17	16	—	20	10	30	19	21	9
Cashiers	8	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.	5	—	6	—	—	—	—	—	—	—	—	—	—
Office machine operators	102	4	10	—	—	19	—	15	8	21	—	4	6
Shipping and receiving clerks	74	13	24	—	16	20	—	—	—	29	—	—	11
Stock clerks and storekeepers	196	16	12	23	82	4	—	—	—	—	6	16	9
Other clerical and kindred workers	555	76	141	101	312	48	—	15	66	279	13	156	69
Craftsmen and kindred workers	3 114	90	631	124	728	221	—	73	66	638	49	283	137
Blacksmiths, forgers, hammermen, and boilermakers	—	—	30	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters	66	—	34	8	4	—	—	—	—	4	—	—	5
Cranemen, derrickmen, and hoistmen	17	9	91	—	—	—	—	—	—	23	—	6	—
Electricians	300	—	38	8	10	—	—	4	—	7	—	11	6
Excavating, grading, and road machine operators	—	—	6	—	—	—	—	—	—	—	—	—	—
Foremen, n.e.c.	736	26	107	30	29	56	—	19	24	52	17	107	29
Mechanics and repairmen	562	—	105	38	16	25	—	13	5	38	26	98	23
Automobile, including body	280	—	—	11	—	10	—	—	—	—	—	5	6
Machinists, job setters, and toolmakers	568	39	76	17	17	—	—	—	—	10	—	38	5
Metal craftsmen, except mechanics and machinists	452	16	23	17	68	—	—	—	—	—	—	4	11
Painters, construction and maintenance, and plasterers and paperhangers	17	—	18	—	10	—	—	—	—	4	—	9	—
Plumbers and pipe fitters	115	—	16	4	10	—	—	—	—	—	—	—	5
Printing craftsmen	14	—	5	—	—	—	—	—	37	451	—	—	—
Stationary engineers and power station operators	35	—	10	9	5	9	—	—	—	—	6	4	11
Other craftsmen and kindred workers	232	—	72	10	564	131	—	37	—	40	—	6	36
Operatives, except transport	7 691	368	1 076	200	1 537	310	28	378	190	170	117	1 494	553
Assemblers	2 147	15	110	33	50	—	—	6	10	—	—	76	17
Checkers, examiners, and inspectors: manufacturing	922	47	31	84	—	19	—	—	—	—	—	168	97
Filers, polishers, sanders and buffers	125	—	—	—	—	—	—	—	—	—	—	16	5
Painters, manufactured articles	126	—	80	—	—	—	—	—	—	—	—	44	—
Precision machine operatives	125	171	69	5	15	—	—	—	—	—	—	30	30
Welders and flamecutters	335	8	378	—	—	—	—	—	—	—	—	30	—
Other specified operatives	1 803	12	264	15	15	151	28	342	49	44	5	190	218
Machine operatives, miscellaneous specified	1 201	33	95	17	71	99	—	8	84	17	18	763	82
Machine operatives, not specified	415	48	—	5	18	17	—	—	17	46	4	45	8
Miscellaneous operatives	217	5	45	17	21	37	—	—	30	46	7	76	64
Not specified operatives	275	29	4	24	36	4	—	17	—	20	9	66	32

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

	Manufacturing—Continued												
	Durable goods—Continued					Nondurable goods							
	Motor vehicles and motor vehicle equipment	Aircraft and parts	Other transportation equipment	Ordnance	Other durable goods	Food and kindred products	Textile mill products	Apparel and other fabricated textile products	Paper and allied products	Printing, publishing, and allied industries	Chemicals and allied products	Rubber and miscellaneous plastic products	Other nondurable goods, incl. not specified manufacturing
Total employed—Continued													
Transport equipment operatives	257	19	49	39	91	345	—	—	39	55	40	81	34
Deliverymen and routemen	6	—	13	8	9	273	—	—	6	31	6	16	21
Truck drivers	33	—	—	—	5	57	—	—	20	7	34	10	5
Other transport equipment operatives	218	19	36	31	77	15	—	—	13	17	—	55	8
Laborers, except farm													
Freight, stock, and material handlers	611	11	150	64	351	115	—	3	34	45	9	135	69
Other specified laborers	382	—	5	34	22	94	—	—	30	16	9	37	20
Other nonspecified laborers	43	—	29	7	285	3	—	—	4	18	—	17	24
Miscellaneous laborers	26	—	86	4	15	3	—	—	—	5	—	30	20
Not specified laborers	160	11	36	19	29	18	—	3	—	6	—	51	5
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household													
Cleaning service workers	282	32	31	28	117	35	—	9	—	34	—	58	35
Personal service workers	144	21	26	9	25	19	—	5	—	34	—	27	21
Hand and watchmen	—	—	—	—	5	—	—	—	—	—	—	—	—
Other service workers, including private household	91	11	4	4	15	—	—	—	—	—	—	21	—
Other service workers, including private household	47	—	5	15	72	16	—	4	—	—	—	70	14
Female employed	5 384	53	117	274	809	177	6	447	181	456	66	853	303
Professional, technical, and kindred workers													
Accountants	95	9	—	20	5	9	—	—	—	45	—	9	11
Computer specialists	18	—	—	5	—	9	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	—	—	—	—	—	—	—	—	—	—	—	—	—
Social scientists	36	5	—	10	—	—	—	—	—	—	—	—	—
Writers, artists, and entertainers	—	—	—	—	—	—	—	—	—	—	—	—	—
Other professional, technical, and kindred workers	41	4	—	5	5	—	—	—	—	45	—	3	11
Managers and administrators, except farm													
Salaried	7	—	—	—	2	5	—	5	—	10	—	—	—
Self-employed	7	—	—	—	2	5	—	5	—	10	—	—	—
Self-employed	—	—	—	—	—	—	—	—	—	—	—	—	—
Sales workers													
Clerical and kindred workers	453	32	104	99	220	62	—	55	59	248	27	138	79
Bookkeepers	41	—	5	6	17	11	—	20	10	45	19	16	9
Cashiers	16	—	—	—	—	—	—	—	—	—	—	—	—
File clerks, except food	15	—	—	—	—	—	—	—	—	—	—	—	—
File clerks, except food	5	—	—	—	6	—	—	—	6	—	—	—	—
Office machine operators	67	4	10	—	—	19	—	9	—	21	—	4	6
Bookkeeping and billing machine operators	—	—	—	—	—	—	—	—	—	—	—	—	—
Receptionists	9	—	—	—	—	—	—	—	—	—	—	—	—
Secretaries	100	4	33	35	27	23	—	10	30	18	8	5	11
Stenographers	9	—	—	—	—	—	—	—	—	—	—	—	—
Typists	74	5	31	45	6	—	—	5	—	41	—	12	6
Other clerical and kindred workers	129	19	22	13	161	5	—	11	4	84	—	32	43
Craftsmen and kindred workers													
Foremen, n.e.c.	388	—	—	—	55	11	—	19	13	47	—	26	—
Foremen, n.e.c.	15	—	—	—	5	—	—	14	—	—	—	—	—
Operatives, except transport													
Assemblers	4 377	12	9	127	495	64	6	359	94	47	35	635	188
Checkers, examiners, and inspectors; manufacturing	1 503	3	—	29	41	—	—	—	—	—	—	61	5
Packers and wrappers, except meat and produce	592	5	—	60	20	27	—	6	6	16	—	91	11
Other operatives, except transport	2 229	4	9	38	434	33	6	353	84	31	20	455	172
Transport equipment operatives													
Transport equipment operatives	9	—	—	—	—	4	—	—	—	10	—	—	5
Laborers, except farm													
Laborers, except farm	10	—	—	9	11	—	—	—	15	5	—	30	14
Farm workers													
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household													
Cleaning service workers	45	—	4	14	15	11	—	4	—	8	—	10	—
Personal service workers	15	—	4	5	—	—	—	—	—	8	—	—	—
Other service workers, including private household	—	—	—	—	—	—	—	—	—	—	—	—	—
Other service workers, including private household	30	—	—	9	15	11	—	4	—	—	—	10	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

The State
Standard Metropolitan Statistical Areas
of 250,000 or More

YOUNGSTOWN-WARREN SMSA

	Railroads and railway express service	Trucking service and ware- housing	Other transportation	Communi- cations	Utilities and sanitary services	Wholesale trade	Retail trade				Finance and real estate		
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places		Other retail trade	Insurance
Total employed	2 694	3 115	752	1 769	2 153	6 254	7 731	5 156	4 570	6 164	9 059	2 019	4 223
Professional, technical, and kindred workers	43	36	15	237	172	205	122	38	24	60	353	19	97
Accountants.....	16	6	6	6	5	42	38	14	6	12	9	5	30
Architects.....	—	—	—	—	—	—	—	—	—	—	—	—	5
Computer specialists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Engineers.....	9	15	—	45	62	83	5	—	—	—	12	—	11
Chemical.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Civil.....	9	4	—	—	10	5	—	—	—	—	—	—	—
Electrical and electronic.....	—	4	—	—	33	—	—	—	—	—	—	—	—
Industrial.....	—	5	—	41	33	21	5	—	—	—	—	—	—
Mechanical.....	—	5	—	—	—	—	—	—	—	—	—	—	—
Other engineers.....	—	—	—	4	13	46	—	—	—	—	12	—	—
Mathematical specialists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Chemists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Personnel and labor relations workers.....	—	—	—	10	12	5	31	5	—	12	7	—	4
Social scientists.....	9	5	—	67	55	30	6	—	11	4	21	—	10
Engineering and science technicians.....	—	—	—	21	23	30	—	—	—	4	21	—	10
Draftsmen.....	—	—	—	46	6	—	—	—	11	4	—	—	—
Electrical and electronic engineering technicians.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial and mechanical engineering technicians.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Technicians, except health, and engineering and science.....	—	—	—	32	11	—	—	—	7	—	—	—	—
Writers, artists, and entertainers.....	—	—	—	65	—	11	33	—	—	—	—	—	—
Other professional, technical, and kindred workers.....	9	4	—	72	16	25	9	17	—	32	21	5	11
Managers and administrators, except farm.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Buyers, purchasing agents, and sales managers.....	519	223	30	78	65	929	792	744	846	716	1 284	198	646
Other managers and administrators.....	519	214	30	10	—	281	453	185	93	17	30	—	30
Salaried.....	519	182	25	68	65	648	339	559	773	699	911	168	658
Self-employed.....	—	32	5	68	65	538	322	184	279	285	632	158	615
Self-employed.....	—	—	—	—	—	110	17	—	—	—	279	—	43
Sales workers.....	—	40	8	34	70	1 429	3 517	1 050	684	179	3 540	985	644
Clerical and kindred workers	350	446	151	609	506	1 192	1 746	1 278	556	322	1 513	778	2 224
Bookkeepers.....	17	66	5	26	47	215	263	109	273	83	362	73	257
Cashiers.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Estimators and investigators, n.e.c.....	17	6	56	27	35	18	501	940	32	157	386	12	22
Office machine operators.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Shipping and receiving clerks.....	30	30	—	—	7	67	35	5	41	5	21	19	135
Stock clerks and storekeepers.....	18	35	—	—	—	—	108	28	—	10	36	—	—
Other clerical and kindred workers.....	264	306	90	756	376	695	184	145	176	62	636	653	1 756
Craftsmen and kindred workers	876	232	70	550	811	600	298	223	999	70	790	12	47
Blacksmiths, forgers, hammermen, and boilermakers.....	9	—	—	—	—	—	—	—	—	—	—	—	—
Brickmasons and stonemasons.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Carpenters.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Cranemen, derrickmen, and hoistmen.....	10	5	—	—	—	22	17	10	—	—	—	—	—
Electricians.....	15	5	5	9	78	35	5	—	—	—	—	—	—
Excavating, grading, and road machine operators.....	4	4	—	—	22	10	—	—	—	—	—	—	—
Foremen, n.e.c.....	50	78	—	98	98	209	49	38	43	—	55	5	4
Mechanics and repairmen.....	155	135	54	15	154	195	137	34	922	—	204	—	6
Automobile, including body.....	—	129	19	—	9	83	30	16	861	—	5	—	—
Machinists, job setters, and toolmakers.....	8	—	—	—	10	5	—	—	—	—	—	—	—
Metal craftsmen, except mechanics and machinists.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, construction and maintenance, and plasterers and paperhangers.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Plumbers and pipe fitters.....	—	—	—	—	38	5	—	—	15	—	—	—	—
Printing craftsmen.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Stationary engineers and power station operators.....	—	—	—	—	140	6	—	—	—	—	—	—	—
Other craftsmen and kindred workers.....	625	10	—	450	271	49	86	141	19	65	464	—	14
Operatives, except transport	64	44	26	22	96	423	158	750	1 180	7	260	—	16
Assemblers.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Flers, polishers, sanders, and buffers.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Painters, manufactured articles.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Precision machine operatives.....	3	—	—	—	—	—	—	—	—	—	—	—	—
Welders and flamecutters.....	34	9	—	11	11	30	6	—	34	—	—	—	—
Other specified operatives.....	21	23	6	—	21	187	132	668	1 110	—	185	—	9
Machine operatives, miscellaneous specified.....	6	6	5	6	14	70	—	20	17	—	18	—	—
Machine operatives, not specified.....	—	—	—	—	6	17	—	—	—	—	—	—	—
Miscellaneous operatives.....	—	—	15	5	38	60	16	26	13	7	19	—	—
Not specified operatives.....	—	—	—	—	6	29	4	16	—	—	17	—	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970--Continued

[Data based on sample, see text. For meaning of symbols, see text.]

	Railroads and railway express service	Trucking service and warehousing	Other transportation	Communications	Utilities and sanitary services	Wholesale trade	Retail trade				Insurance	Finance and real estate	
							General merchandise retailing	Food stores	Automotive dealers and gasoline stations	Eating and drinking places			Other retail trade
The State													
Standard Metropolitan Statistical Areas of 250,000 or More													
YOUNGSTOWN-WARREN SMSA--Continued													
Total employed--Continued													
Transport equipment operatives	647	1 910	410	9	142	816	144	93	99	5	5	22	5
Deliverymen and routemen	10	131	24	5	5	400	132	76	60	5	5	5	5
Truck drivers	10	1 765	11	4	60	311	9	16	30	5	5	11	11
Other transport equipment operatives	637	14	375	5	77	105	5	5	9	5	5	6	6
Labors, except farm	150	152	11	6	185	513	367	846	96	14	14	63	63
Freight, stock, and material handlers	17	127	6	6	78	304	343	827	11	4	4	4	4
Other specified laborers	14	5	6	6	40	48	9	15	73	6	6	54	54
Miscellaneous laborers	85	10	5	6	47	113	15	4	12	4	4	11	11
Not specified laborers	34	10	5	6	20	113	15	4	12	4	4	14	14
Farm workers	---	---	---	---	---	---	---	---	---	---	---	---	---
Service workers, including private household	45	34	31	24	106	146	543	162	66	4 791	22	484	484
Cleaning service workers	19	22	7	24	78	107	146	23	66	149	22	269	269
Personal service workers	6	8	6	6	12	14	26	5	---	14	---	48	48
Guards and watchmen	20	4	18	---	16	25	341	139	---	4 628	---	40	40
Other service workers, including private household	---	---	---	---	---	---	---	---	---	---	---	69	69
Female employed	105	318	306	847	337	1 306	5 625	2 505	602	4 129	826	2 532	2 532
Professonal, technical, and kindred workers	6	6	---	43	10	12	89	23	6	15	10	84	84
Accountants	6	6	---	6	5	---	38	9	6	---	5	26	26
Computer specialists	---	---	---	---	---	---	---	---	---	---	---	---	---
Life and physical scientists	---	---	---	---	---	---	---	---	---	---	---	---	---
Registered nurses, dietitians, and therapists	---	---	---	---	---	---	---	---	---	---	---	---	---
Social scientists	---	---	---	---	---	---	---	---	---	---	---	---	---
Writers, artists, and entertainers	---	---	---	---	---	---	---	---	---	---	---	---	---
Other professional, technical, and kindred workers	---	---	---	37	5	5	25	14	---	10	---	---	---
Managers and administrators, except farm	5	5	10	18	---	50	324	107	40	190	66	119	119
Salaried	5	5	10	18	---	50	324	107	40	190	66	119	119
Self-employed	---	---	---	---	---	---	---	---	---	---	---	---	---
Sales workers	---	5	8	---	22	107	2 890	776	30	101	94	211	211
Clerical and kindred workers	69	239	69	754	270	903	1 577	1 075	445	289	659	1 946	1 946
Bookkeepers	5	43	5	21	36	205	252	94	228	83	73	236	236
Cashiers	---	6	14	---	25	3	492	892	20	154	12	22	22
Counter clerks, except food	---	---	---	---	---	3	22	6	---	4	---	---	---
File clerks	---	4	---	---	5	16	46	4	13	---	---	86	86
Office machine operators	---	20	---	---	7	62	46	5	---	10	14	135	135
Bookkeeping and billing machine operators	---	10	---	---	7	14	5	---	---	---	---	4	4
Receptionists	---	99	17	18	46	277	58	19	12	29	10	65	65
Secretaries	21	17	10	39	11	77	44	9	83	352	352	406	406
Stenographers	9	17	10	676	35	77	44	9	---	---	---	83	83
Typists	34	50	13	---	98	244	617	55	80	4	103	943	943
Other clerical and kindred workers	---	---	---	---	---	---	---	---	---	---	---	---	---
Craftsmen and kindred workers	9	---	---	16	11	19	53	66	22	43	---	---	---
Foremen, n.e.c.	---	---	---	16	4	19	25	5	---	---	---	---	---
Operatives, except transport	---	19	11	6	---	89	142	264	43	7	---	---	---
Assemblers	---	---	---	---	---	---	---	---	---	---	---	---	---
Checkers, examiners, and inspectors; manufacturing	---	---	---	---	---	---	---	---	---	---	---	---	---
Packers and wrappers, except meat and produce	---	---	---	6	---	27	62	49	---	---	---	---	---
Other operatives, except transport	---	---	---	6	---	57	80	215	43	7	---	---	---
Transport equipment operatives	5	38	195	---	5	14	37	---	---	---	---	---	---
Labors, except farm	11	---	---	---	---	57	97	51	---	6	---	5	5
Farm workers	---	---	---	---	---	---	---	---	---	---	---	---	---
Service workers, including private household	---	6	13	10	19	54	414	143	16	3 478	17	939	939
Cleaning service workers	---	6	7	10	19	34	47	10	16	47	17	153	153
Personal service workers	---	---	---	---	---	---	24	9	---	9	---	38	38
Other service workers, including private household	---	---	6	---	---	20	343	133	---	3 422	---	41	41

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text.]

Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
1 693	2 179	779	5 987	1 220	7 379	3 555	9 093	2 728	2 788	3 069	5 667
238	28	9	121	220	2 701	1 376	5 947	1 714	1 046	1 466	480
24	16	10	10	16	17	18	18	17	18	58	172
16	6	6	6	4	11	11	11	17	18	160	54
5	6	6	6	4	5	5	5	5	5	46	24
5	6	6	6	6	5	5	5	5	5	14	14
5	6	6	6	6	5	5	5	5	5	38	16
6	6	6	6	6	5	5	5	5	5	53	4
6	6	6	6	6	5	5	5	5	5	6	4
45	4	4	4	4	24	6	4	4	4	9	36
23	4	4	4	4	12	10	25	4	19	134	197
10	4	4	4	4	10	8	34	5	6	117	30
5	4	4	4	4	5	5	5	5	5	117	13
5	4	4	4	4	5	5	5	5	5	6	14
59	7	7	14	149	5	5	4	6	116	6	31
50	11	11	30	51	2 624	1 352	5 855	1 699	882	770	125
164	183	91	323	142	119	129	464	95	239	61	549
4	12	10	5	10	8	10	10	10	10	10	16
160	171	91	318	142	111	129	454	95	229	61	533
131	95	52	183	106	106	108	454	84	229	51	533
29	76	39	135	47	5	21	11	11	11	10	—
95	41	—	58	37	3	4	4	—	31	9	10
512	127	111	422	163	1 062	734	910	361	819	820	2 278
49	31	4	45	44	39	59	41	20	70	53	126
30	—	11	18	45	62	—	31	10	7	7	51
29	—	6	6	6	3	—	21	5	9	34	5
12	9	—	10	—	26	—	3	—	9	—	—
5	87	96	337	68	16	4	3	—	37	—	—
387	87	—	—	—	916	671	814	326	733	731	2 038
113	1 204	26	159	133	106	114	124	23	59	69	232
—	—	—	—	—	—	—	—	—	9	—	5
6	16	—	—	—	5	—	6	—	5	—	10
—	—	—	—	—	19	—	4	6	9	4	—
—	—	4	30	4	24	4	15	4	4	4	25
16	20	11	29	55	17	18	21	5	7	24	61
54	1 014	—	15	—	—	5	5	5	—	—	42
—	673	—	—	—	—	—	—	—	—	—	—
4	4	—	—	—	—	—	—	—	—	—	—
4	19	—	5	—	16	—	26	—	7	—	—
8	—	—	—	—	—	—	11	—	10	—	6
—	—	5	5	—	17	—	11	—	3	—	—
—	—	6	90	74	8	92	41	12	9	37	10
25	125	6	872	17	189	50	43	26	26	89	71
47	238	—	5	—	—	—	—	—	—	6	4
—	—	—	—	—	—	—	—	—	—	—	—
4	33	—	—	5	—	—	—	—	—	—	—
—	51	—	832	—	—	—	39	6	—	3	—
6	85	17	18	12	15	40	4	9	11	66	51
5	28	—	—	—	4	—	—	—	—	5	3
9	23	—	—	—	—	—	—	—	—	5	9
23	—	—	17	—	—	—	—	—	—	4	—

Table 180. Occupation of Employed Persons by Industry Group and Sex: 1970—Continued

[Data based on sample, see text. For meaning of symbols, see text]

The State Standard Metropolitan Statistical Areas of 250,000 or More	YOUNGSTOWN—WARREN SMSA—Continued											
	Total employed—Continued											
	Business services	Repair services	Hotels and lodging places	Other personal services, including private household	Entertainment and recreation services	Hospitals	Health services, except hospitals	Educational services, government	Educational services, private	Welfare, religious, and nonprofit organizations	Other professional and related services	Public administration
Deliverymen and routemen	18	106	5	160	11	16	—	53	8	35	28	129
Truck drivers	4	5	—	136	5	5	—	5	—	—	6	5
Other transport equipment operatives	14	42	5	4	20	6	—	31	3	21	5	89
Other transport equipment operatives	—	59	—	20	6	—	—	—	—	14	17	35
Labors, except farm	26	181	14	173	84	70	20	9	16	—	29	183
Freight, stock, and material handlers	15	—	—	61	8	34	—	4	—	—	10	50
Other specified laborers	5	138	5	54	70	34	15	4	16	—	10	101
All miscellaneous laborers	5	19	—	9	—	—	—	—	—	—	7	23
Not specified laborers	6	24	9	49	6	2	5	5	—	—	12	9
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	480	71	506	3 698	413	3 113	1 128	1 539	485	533	488	1 235
Cleaning service workers	321	215	215	113	192	517	880	233	233	191	5	191
Personal service workers	—	—	—	—	—	—	—	—	—	—	—	—
Guards and watchmen	154	5	101	1 720	126	50	14	109	74	100	14	16
Other service workers, including private household	5	40	185	1 897	167	2 523	915	526	178	136	469	51
Female employed	792	243	580	4 403	503	6 330	2 476	5 538	1 932	1 535	1 552	1 432
Professional, technical, and kindred workers	67	7	—	60	84	2 370	568	3 623	1 205	380	323	81
Accountants	4	—	—	4	6	11	—	5	—	—	45	62
Computer specialists	5	—	—	—	—	—	—	—	—	—	—	—
Life and physical scientists	—	—	—	—	—	—	—	—	—	—	—	—
Registered nurses, dietitians, and therapists	5	—	—	20	—	4	6	69	25	12	—	—
Social scientists	—	—	—	—	—	—	—	9	—	—	—	—
Writers, artists, and entertainers	22	—	—	25	50	—	4	—	—	83	—	—
Other professional, technical, and kindred workers	31	7	—	11	28	564	112	3 536	1 180	285	274	19
Managers and administrators, except farm	41	—	39	78	38	55	71	134	48	73	17	94
Self-employed	36	—	21	44	19	55	67	134	43	73	10	94
Self-employed	5	—	18	34	19	—	4	—	5	—	7	—
Sales workers	31	25	—	4	27	3	4	4	—	16	5	5
Clerical and kindred workers	443	106	92	409	145	1 033	713	847	342	753	774	1 020
Bookkeepers	49	25	44	41	44	35	53	41	15	60	32	80
Cashiers	—	—	11	18	36	62	—	31	10	—	5	6
Counter clerks, except food	—	15	53	174	4	9	—	4	—	6	5	—
File clerks	19	—	—	—	—	42	15	4	12	16	34	31
Office machine operators	—	—	—	8	—	21	—	17	5	9	—	9
Bookkeeping and billing machine operators	—	—	—	—	—	5	—	5	—	—	—	—
Receptionists	14	—	5	43	—	—	—	—	9	35	23	16
Secretaries	120	30	4	61	29	293	360	370	144	482	424	201
Stenographers	10	5	—	—	—	—	—	—	—	—	—	—
Typists	79	5	5	—	9	151	9	71	41	113	39	123
Other clerical and kindred workers	123	31	14	64	23	296	38	313	106	64	190	489
Craftsmen and kindred workers	—	17	6	9	—	8	30	51	12	—	11	6
Foremen, n.e.c.	—	—	—	4	—	4	—	10	—	—	—	6
Operatives, except transport	14	36	17	699	—	155	37	8	14	16	36	3
Assemblers	—	—	—	5	—	—	—	—	—	—	—	—
Checkers, examiners, and inspectors; manufacturing	—	—	—	—	—	—	—	—	—	—	—	—
Packers and wrappers, except meat and produce	—	—	—	23	—	—	4	—	—	—	5	—
Other operatives, except transport	14	36	17	671	—	155	33	8	9	16	31	3
Transport equipment operatives	—	7	—	6	—	—	—	20	5	—	—	—
Labors, except farm	6	—	—	80	—	24	5	5	—	—	—	19
Farm workers	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, including private household	190	45	426	3 058	209	2 682	1 048	846	306	297	386	284
Cleaning service workers	176	7	195	50	57	332	57	240	73	118	71	118
Personal service workers	—	5	84	1 188	25	39	14	96	69	56	8	16
Other service workers, including private household	14	33	147	1 820	127	2 311	882	510	164	123	378	117

Table 181. Occupation of Employed Negroes by Major Industry: 1970

(Data based on sample, see text. For meaning of symbols, see text)

The State	Negroes 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing		Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and recreation services	Professional and related services	Public administration
					Durable goods	Nondurable goods, including not specified manufacturing									
Total employed	326 546	2 815	396	14 221	79 909	27 363	19 353	8 400	34 946	8 818	8 038	33 177	2 381	70 657	26 072
Professionals, technical, and kindred workers	27 240	56	8	110	1 480	988	611	120	405	219	519	170	495	19 348	2 511
Accountants	1 045	—	—	4	147	45	38	27	40	41	28	7	—	19 348	2 511
Engineers	1 924	—	—	51	292	74	107	9	8	19	18	—	—	19 348	2 511
Life and physical scientists	354	—	—	—	53	132	11	—	—	6	16	—	—	19 348	2 511
Health workers	5 225	5	—	—	20	14	—	—	110	—	24	71	—	4 894	64
Social scientists	1 132	—	—	—	5	—	—	—	—	—	22	—	—	4 894	64
Engineering and science technicians	1 489	—	—	21	510	306	140	17	5	—	22	—	—	30	55
Technicians, except health, and engineering and science	201	—	—	5	12	18	27	—	—	—	6	—	—	223	155
Writers, artists, and entertainers	1 049	28	—	9	45	127	145	4	95	5	26	32	200	30	92
Other professional, technical, and kindred workers	16 821	18	—	20	594	252	134	46	147	128	267	49	295	13 645	1 226
Managers and administrators, except farm	7 956	12	—	464	288	198	283	201	2 182	556	285	428	47	1 488	1 514
Buyers, purchasing agents, and sales managers	7 745	—	—	5	72	58	25	38	376	29	6	—	—	32	104
Other managers and administrators	7 211	12	—	459	216	140	258	163	1 806	527	279	428	47	1 456	1 410
Salaries	5 792	—	—	10	212	135	180	107	1 128	475	189	253	18	1 438	1 410
Self-employed	1 419	—	—	234	4	5	78	56	678	52	90	175	29	18	—
Sales workers	8 711	—	—	47	129	503	63	512	6 127	1 015	77	50	28	110	50
Clerical and kindred workers	53 000	25	46	397	5 265	3 379	5 109	1 599	5 438	4 109	1 131	948	149	11 216	14 088
Bookkeepers	2 039	—	—	37	245	136	119	128	395	296	63	56	9	297	38
Cashiers and receptionists	3 550	—	—	10	36	79	338	35	2 057	96	114	730	41	1 730	117
Office machine operators	3 019	—	—	16	355	338	259	102	1 62	556	109	23	—	361	731
Secretaries, stenographers, and typists	10 580	6	5	73	1 062	698	515	310	322	916	322	44	22	4 133	2 189
Shipping and stock clerks	4 760	8	—	23	1 552	689	279	484	862	16	25	69	8	2 117	439
Other clerical and kindred workers	29 052	4	23	238	2 015	1 599	3 790	450	1 877	2 229	519	642	69	5 483	10 154
Craftsmen and kindred workers	31 066	—	52	6 142	12 282	2 548	2 486	770	2 075	302	1 655	511	91	931	1 175
Blacksmiths, forgers, hammermen, and boiler-makers	847	—	—	4	206	5	18	—	—	—	4	—	—	—	—
Companions	5 635	—	11	610	78	27	6	10	6	20	5	7	—	29	38
Construction craftsmen, except carpenters	1 962	—	6	3 607	947	159	293	35	75	78	57	26	—	151	186
Farmmen, dairymen, and folicmen	3 171	—	—	50	1 666	57	18	157	—	—	8	—	—	—	—
Mechanics and repairmen	2 728	—	11	261	1 307	509	249	183	131	34	54	77	24	98	183
Automobile, including body	1 954	—	—	124	1 468	364	665	186	1 104	78	835	49	19	152	466
Machinists, job setters, and toolmakers	2 471	—	—	32	1 414	99	245	44	873	6	11	—	—	25	164
Metal craftsmen, except mechanics and machinists	2 972	—	5	67	2 121	132	22	36	10	—	5	—	—	19	2
Printing craftsmen	8 089	11	5	1 410	2 133	642	1 199	22	13	16	31	6	—	57	38
Other craftsmen and kindred workers	72 783	40	193	610	44 243	14 482	596	1 859	2 549	115	712	4 863	17	1 703	691
Assemblers	8 180	—	—	8	7 443	563	5	70	10	7	27	31	—	50	23
Checkers, examiners, and inspectors, manufacturing	4 047	—	—	17	3 175	872	—	13	5	—	4	—	—	12	7
Precision machine operators	2 485	—	—	76	2 527	100	57	120	11	—	63	—	—	34	33
Welders and fitters	3 227	—	—	509	28 436	12 932	534	1 666	2 523	108	619	4 832	17	1 607	628
Other operatives, except transport	54 644	40	193	509	28 436	12 932	534	1 666	2 523	108	619	4 832	17	1 607	628
Transport equipment operatives	15 700	107	53	899	3 434	1 347	4 983	1 483	1 113	101	413	332	4	470	1 041
Deliverymen and routemen	1 940	4	—	11	204	253	189	409	540	24	33	103	—	192	67
Truck drivers	6 755	36	29	745	1 041	460	2 387	722	379	56	111	197	—	174	647
Other transport equipment operatives	7 005	67	24	143	2 189	680	2 313	352	185	51	269	204	4	204	327
Laborers, except farm	28 379	509	15	5 130	8 435	1 893	3 928	1 327	2 783	200	808	676	108	739	1 840
Freight, stock, and material handlers	9 128	21	10	98	2 145	831	2 053	1 732	1 654	5	36	166	—	215	1 144
Farm workers	1 993	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Service workers, except private household	71 878	47	19	422	4 033	1 985	1 405	609	12 074	2 201	2 438	7 339	1 442	34 662	3 162
Cleaning service workers	23 767	38	7	236	2 808	1 391	787	380	2 062	1 581	1 649	2 168	484	8 967	2 009
Food service workers	14 912	5	—	19	1 277	144	121	57	7 897	277	36	1 067	557	4 689	1 666
Personal service workers	5 897	—	6	5	82	52	176	14	2 48	177	29	2 837	184	1 904	1 771
Guards and watchmen	1 333	—	6	34	175	93	48	33	80	91	204	10	25	237	293
Other service workers, except private household workers	25 969	—	—	116	861	305	273	125	1 787	325	520	1 277	192	18 865	1 323
Private household workers	17 840	—	—	—	—	—	—	—	—	—	—	17 840	—	—	—

Table 182. Occupation of Employed Persons of Spanish Language by Major Industry: 1970

[Data based on sample, see text. For meaning of symbols, see text.]

The State	Persons of Spanish language, 16 years old and over	Agriculture, forestry, and fisheries	Mining	Construction	Manufacturing		Transportation, communications, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Business and repair services	Personal services	Entertainment and recreation services	Professional and related services	Public administration
					Durable goods	Nondurable goods, including not specified manufacturing									
Total employed	30 427	746	103	817	9 794	3 572	1 505	1 042	3 676	872	603	1 086	196	5 505	910
Professional, technical, and kindred workers	4 618	26	29	51	566	227	82	38	61	35	121	23	56	3 116	187
Accountants	223			5	88	12	5	7	4	4	4	6	7	42	14
Engineers	507		12	20	214	60	12	7	4	12	17	6		106	47
Life and physical scientists	89				24	39	6				9			7	6
Health workers	1 114	12					6		23					1 053	11
Social scientists	14										17	7		64	6
Engineering and science technicians	343		6	26	134	60	14				17	7		14	15
Technicians, except health, and engineering and science	30				45	15	9				28	6		22	14
Writers, artists, and entertainers	198	7	6		61	33	7	5	6	19	30	4	37	1 808	67
Other professional, technical, and kindred workers	2 100	7	5				13	19	22		4		12		
Managers and administrators, except farm	1 423		7	63	164	119	91	97	408	85	27	38	19	217	88
Buyers, purchasing agents, and sales managers	249			6	50	45		38	96	5	27	38	19	211	88
Other managers and administrators	1 174		7	57	114	74	91	59	312	77	27	17	6	211	88
Salaried	966		7	36	108	67	91	52	186	77	26	21	13		
Self-employed	208			21	6	7		7	126		7				
Sales workers	1 456		4	11	46	81		162	919	203	18	5	7		
Clerical and kindred workers	3 931		17	58	629	403	328	200	554	480	120	65	14	689	374
Bookkeepers	325			8	19	35	6	14	124	48	7	8		28	32
Cashiers and receptionists	416				12	19	19	16	282	82		8	14	79	10
Office machine operators	268				63	87		16	6					8	7
Secretaries, stenographers, and typists	1 096		8	18	228	56	33	60	50	101	51	9		365	126
Shipping and stock clerks	336		9	32	115	70	11	38	88	218	62	53		111	14
Other clerical and kindred workers	1 490				192	135	239	72	64					198	185
Craftsman and kindred workers	3 563	13	9	427	1 667	494	301	110	275	20	122	21	7	46	51
Blocksmiths, forgers, hammermen, and boiler-makers	25				25				9	7					
Carpenters	157			93	32	16		9	4					6	
Construction craftsmen, except carpenters	472			230	190	8	25	17	4						
Cranemen, derrickmen, and hoistsmen	146			5	107	17		14				7		18	6
Foremen, n.e.c.	446	13	9	10	201	121	33	24	137	13	94	9	7	8	13
Mechanics and repairmen	782			19	306	78	72	24	104		57			5	9
Automobile, including body	232				60			11							
Mechanics, job setters, and toolmakers	415			12	358	43								5	7
Metal craftsmen, except mechanics and machinists	276			12	257	7									
Printing craftsmen	126			58	20	100	171	46	109		28	5		9	17
Other craftsmen and kindred workers	718				171	104									
Operators, except transport	7 979	25	14	26	5 145	1 739	45	232	308		56	237	7	109	16
Assemblers	989				930	50								9	
Checkers, examiners, and inspectors; manufacturing	430				344	86									
Precision machine operators	433				411	22			8					17	
Welders and flamecutters	571			12	473	19	5	29						83	
Other operatives, except transport	5 556	25	14	14	2 987	1 582	40	203	300		56	229	7		16
Transport equipment operatives	928	13	23	43	310	92	267	87	41		5	11	7	6	23
Deliverymen and routemen	169	6		7	30	12	21	54	33			6			16
Truck drivers	299	7	23	29	48	7	140	21	8		5	5	7	6	7
Other transport equipment operatives	460			7	232	73	106	12							
Laborers, except farm	2 286	72		138	1 020	303	312	82	269		43		6	17	24
Freight, stock, and material handlers	825	13			360	121	89	35	179					17	11
Farm workers	589														
Service workers, except private household	3 417	8			247	94	72	34	841	49	91	454	75	1 305	147
Cleaning service workers	967	4			185	65	20	21	60	34	65	89	49	384	40
Food service workers	1 083				8	22		7	696	8		233	12	233	17
Personal service workers	358								7			264	6	60	5
Guards and watchmen	77				26	7	14		14		12	6	14	6	85
Other service workers, except private household workers	932	4			28	7	38	6	64	7	14	43	14	622	
Private household workers	237											237			

