



# The National Industry-Occupation Employment Matrix, 1970, 1978, and Projected 1990

Volume II



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U.S. Department of Labor  
Raymond J. Donovan, Secretary

Bureau of Labor Statistics  
Janet L. Norwood, Commissioner

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# Preface

Over the past several decades, the Bureau of Labor Statistics has issued many publications on occupational demand and supply to assist planners of education and training programs, guidance counselors, and others involved in helping individuals plan their careers. Several of these publications also were designed to assist in developing information on occupational demand and supply for States and local areas. This bulletin, part of the Bureau's continuing program of occupational research, updates information presented in earlier publications on the occupational structure of industries.

The bulletin was prepared by George T. Silvestri under the direction of Neal H. Rosenthal in the Division of Occupational Outlook, Office of Economic Growth and Employment Projections.

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Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Total all occupations			Professnal and technical			Engineers, technical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	4.52	3.69	2.69	.69	.79	.76	.18	.27	.26
Agriculture	4.40	3.53	2.57	.43	.46	.47	.04	.06	.08
Agricultural production	3.98	3.01	2.09	.06	.10	.15	.03	.05	.07
Services,except horticulture	.21	.25	.26	.33	.31	.29	.00	.00	.00
Horticultural services	.20	.26	.21	.04	.04	.03	.00	.00	.00
Forestry	.06	.08	.06	.24	.30	.25	.12	.17	.14
Fisheries	.05	.07	.05	.01	.01	.03	.01	.02	.04
Mining	.80	.93	.92	.61	.75	.76	1.73	2.40	2.65
Metal	.11	.10	.09	.07	.06	.06	.21	.21	.25
Coal	.18	.22	.29	.02	.03	.05	.11	.16	.28
Crude petroleum and natural gas	.35	.48	.43	.47	.61	.61	1.28	1.90	2.01
Nonmetallic mining and quarrying	.14	.13	.10	.04	.03	.03	.12	.12	.10
Construction	5.94	6.26	6.05	1.76	1.40	1.52	8.29	7.08	7.32
General building contractors	1.44	1.55	1.50	.21	.18	.20	.96	.86	.87
General contractors,exc building	1.78	1.64	1.68	1.30	.96	1.03	6.24	4.99	5.12
Special trade contractors	2.71	3.06	2.85	.24	.25	.28	1.08	1.22	1.32
Manufacturing	24.97	21.84	20.71	16.98	14.35	13.53	54.26	50.08	45.78
Durable goods	14.51	13.08	12.76	11.53	9.61	9.06	45.82	42.16	38.37
Ordnance	.37	.18	.15	.70	.32	.25	3.48	1.78	1.34
Lumber and wood products	.78	.72	.64	.11	.11	.11	.19	.19	.21
Logging	.14	.13	.09	.01	.01	.01	.01	.02	.01
Sawmill,planing and mill work	.49	.44	.40	.07	.07	.07	.11	.12	.13
Miscellaneous wood products	.15	.13	.14	.02	.02	.03	.05	.05	.06
Furniture and fixtures	.59	.55	.59	.10	.10	.11	.19	.20	.19
Stone,clay,and glass products	.81	.73	.62	.36	.31	.23	.90	.85	.65
Glass and glass products	.23	.21	.19	.10	.09	.07	.26	.25	.20
Cement,concrete,plaster	.28	.26	.22	.11	.10	.07	.27	.24	.18
Structural clay products	.07	.05	.02	.02	.01	.00	.04	.02	.01
Pottery and related products	.05	.05	.03	.02	.02	.01	.05	.05	.03
Miscellaneous nonmetallic,stone	.17	.16	.13	.09	.08	.06	.27	.27	.20
Primary metal industries	1.65	1.33	1.18	.74	.59	.52	2.20	2.01	1.75
Blast furnaces,steel works	.70	.50	.42	.31	.22	.18	.87	.69	.54
Other primary steel	.46	.38	.37	.16	.13	.13	.48	.44	.40
Primary aluminum	.19	.19	.15	.11	.10	.08	.37	.41	.38
Other primary nonferrous	.28	.24	.22	.15	.12	.11	.47	.45	.42
Fabricated metal products	1.76	1.64	1.63	.76	.66	.60	2.46	2.44	2.19
Cutlery and other hardware	.19	.19	.20	.07	.07	.07	.26	.30	.34
Fabricated structural metal	.54	.53	.60	.29	.25	.23	.87	.82	.61
Screw machine products	.13	.11	.10	.04	.03	.03	.16	.16	.14
Metal stamping	.29	.25	.25	.09	.08	.07	.34	.33	.33
Miscellaneous fabricated metal	.59	.54	.47	.24	.21	.18	.82	.82	.75
Machinery except electrical	2.51	2.45	2.61	2.27	2.18	2.38	8.31	8.80	9.21
Engines and turbines	.14	.14	.12	.13	.12	.09	.56	.59	.46
Farm machinery and equipment	.16	.15	.15	.09	.08	.08	.35	.36	.29
Construction machines	.37	.39	.40	.29	.28	.26	1.15	1.27	1.17
Metalworking machinery	.40	.36	.38	.25	.22	.22	.98	.98	.97
Office and accounting machines	.11	.07	.05	.14	.09	.06	.42	.30	.21
Electronic computing equipment	.23	.28	.39	.64	.74	1.01	1.75	2.13	3.08
Other machinery,exc electrical	1.08	1.03	1.08	.71	.63	.62	3.08	3.14	2.99
Electrical machinery	2.44	2.17	2.19	3.05	2.51	2.42	13.23	12.37	11.16
Household appliances	.23	.19	.18	.11	.09	.08	.43	.39	.35
Radio, tv communications equip	.80	.63	.57	1.31	.98	.98	5.91	4.99	4.55
Other electrical machinery	1.40	1.35	1.43	1.61	1.43	1.35	6.88	6.98	6.24
Transportation equipment	2.42	2.19	2.08	2.50	1.95	1.61	11.97	10.53	9.07
Motor vehicles and equipment	1.02	1.04	1.00	.58	.56	.50	2.17	2.40	2.20
Aircraft and parts	.84	.62	.45	1.58	1.11	.83	8.53	7.02	5.70
Ship,boat building and repair	.35	.30	.27	.26	.19	.18	1.03	.83	.86
Railroad equipment	.06	.06	.05	.03	.03	.02	.14	.15	.10
Mobile dwellings	.10	.11	.23	.01	.01	.04	.03	.04	.11
Cycles,misc transportation	.03	.04	.05	.01	.01	.02	.05	.07	.08
Professional,scientific instrs	.57	.59	.59	.68	.67	.63	2.36	2.48	2.15
Scientific instruments	.22	.20	.17	.31	.26	.20	1.27	1.23	.91
Optical,health serv supplies	.17	.21	.23	.15	.20	.20	.41	.55	.51
Photo equipment and supplies	.13	.13	.16	.20	.19	.21	.61	.65	.69
Watches and clock devices	.04	.03	.03	.01	.01	.00	.05	.04	.03
Miscellaneous manufacturing	.55	.49	.44	.21	.19	.16	.47	.46	.41
Nondurable goods	10.46	8.75	7.95	5.44	4.74	4.46	8.43	7.91	7.40

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Total all occupations			Professional and technical			Engineers, technical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.26	1.80	1.52	.59	.50	.43	.91	.79	.59
Meat	.43	.37	.31	.05	.05	.04	.11	.11	.08
Dairy	.31	.19	.12	.09	.06	.05	.10	.07	.03
Canning and preserving	.36	.31	.31	.10	.09	.08	.17	.15	.11
Grain mill	.17	.15	.13	.07	.06	.05	.09	.08	.05
Bakery	.34	.24	.18	.04	.03	.03	.10	.10	.11
Confectionery	.10	.08	.07	.02	.01	.01	.04	.03	.02
Beverages	.30	.24	.20	.09	.08	.07	.10	.08	.05
Miscellaneous food preparation	.23	.19	.17	.10	.09	.08	.17	.15	.11
Tobacco manufacturing	.10	.07	.05	.03	.02	.01	.04	.03	.02
Textile mill products	1.24	.95	.92	.26	.21	.21	.46	.40	.38
Knitting mills	.31	.25	.29	.03	.02	.03	.04	.04	.05
Dyeing,finishing textiles	.10	.08	.06	.03	.02	.02	.05	.05	.03
Floor coverings	.07	.06	.09	.01	.01	.02	.03	.02	.02
Yarn and fabric mills	.65	.48	.40	.15	.12	.11	.27	.23	.20
Miscellaneous textile mill	.09	.07	.07	.02	.02	.02	.05	.04	.05
Apparel and textile products	1.77	1.42	1.36	.25	.22	.18	.23	.25	.28
Apparel and accessories	1.55	1.21	1.15	.22	.19	.15	.18	.20	.22
Miscellaneous fabricated textile	.21	.20	.20	.03	.03	.02	.04	.05	.06
Paper and allied products	.90	.73	.69	.40	.32	.30	.83	.72	.65
Pulp,paper paperboard mills	.37	.28	.22	.22	.16	.14	.45	.36	.30
Paperboard containers,boxes	.28	.22	.23	.08	.06	.06	.16	.13	.12
Miscellaneous paper and pulp	.24	.23	.23	.09	.09	.09	.21	.22	.22
Printing and publishing	1.47	1.33	1.17	1.36	1.30	1.31	.20	.20	.17
Newspaper publishing, printing	.53	.48	.46	.66	.63	.66	.02	.02	.03
Other printing,exc newspapers	.94	.84	.71	.70	.66	.64	.18	.17	.14
Chemicals and allied products	1.31	1.14	1.16	1.74	1.46	1.50	3.73	3.44	3.77
Industrial chemicals	.40	.34	.34	.68	.54	.57	1.88	1.71	1.82
Plastics and synthetics	.12	.10	.09	.16	.12	.12	.43	.38	.38
Synthetic fibers	.13	.12	.15	.15	.12	.17	.41	.43	.68
Drugs and medicines	.18	.19	.19	.30	.32	.31	.23	.28	.33
Soaps and cosmetics	.15	.14	.14	.13	.11	.10	.23	.21	.18
Paints and varnishes	.08	.07	.08	.09	.07	.08	.08	.07	.06
Agricultural chemicals	.07	.06	.05	.06	.05	.04	.11	.11	.07
Miscellaneous chemicals	.14	.09	.10	.14	.09	.09	.32	.22	.20
Petroleum and coal products	.24	.22	.15	.35	.30	.19	.89	.85	.56
Petroleum refining	.19	.17	.10	.32	.27	.16	.82	.78	.49
Misc petroleum,coal products	.04	.04	.04	.03	.02	.02	.06	.07	.06
Rubber,miscellaneous plastics	.73	.79	.70	.36	.34	.27	1.04	1.14	.91
Rubber	.36	.31	.29	.20	.16	.14	.57	.53	.50
Miscellaneous plastics	.36	.47	.40	.15	.18	.12	.47	.61	.40
Leather products	.40	.27	.18	.05	.03	.02	.07	.05	.03
Leather tanning and finishing	.03	.02	.01	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.28	.18	.11	.02	.01	.01	.04	.03	.01
All other leather	.08	.06	.06	.01	.01	.01	.02	.01	.01
Transportation, other public util	6.39	6.09	5.55	3.10	3.00	3.13	7.99	8.55	9.59
Transportation,total	3.64	3.48	3.09	.95	.90	.88	.98	.92	.82
Railroads and railway express	.78	.54	.37	.13	.08	.05	.31	.20	.11
Local and interurban transit	.49	.49	.47	.03	.03	.04	.08	.07	.11
Street railways and bus lines	.36	.36	.36	.02	.02	.03	.07	.06	.11
Taxicab service	.12	.12	.10	.00	.00	.00	.00	.00	.00
Trucking and warehousing	1.47	1.54	1.35	.09	.10	.07	.08	.08	.05
Trucking services	1.36	1.44	1.26	.08	.09	.07	.07	.07	.04
Warehousing and storage	.11	.10	.09	.01	.01	.00	.01	.01	.01
Water transportation	.30	.25	.18	.08	.07	.05	.16	.19	.13
Air transportation	.43	.44	.46	.55	.53	.59	.22	.24	.29
Pipelines	.02	.02	.01	.02	.02	.01	.06	.06	.04
Transportation services	.13	.18	.22	.03	.04	.05	.04	.05	.07
Communicatns,utils,sanitary serv	2.74	2.60	2.46	2.14	2.09	2.24	7.01	7.63	8.76
Communications	1.37	1.27	1.21	1.26	1.25	1.53	3.68	3.89	5.52
Telephone(wire and radio)	1.15	1.02	.94	.62	.58	.82	2.87	3.00	4.68
Telegraph,misc communicatn serv	.06	.06	.05	.05	.07	.07	.13	.18	.20
Radio and tv broadcasting	.16	.18	.21	.57	.59	.63	.67	.71	.64
Utilities and sanitary services	1.36	1.33	1.24	.87	.83	.71	3.33	3.73	3.24
Electric light and power	.41	.46	.36	.37	.41	.29	1.69	2.23	1.67
Electric-gas utilities	.24	.21	.20	.22	.18	.18	.80	.75	.73
Gas steam supply systems	.21	.17	.14	.14	.11	.09	.32	.28	.25
Water supply	.16	.16	.16	.08	.07	.07	.32	.29	.36
Sanitary services	.31	.30	.35	.05	.05	.05	.18	.17	.19
Wholesale and retail trade	20.81	21.84	22.44	3.90	4.10	3.86	4.32	4.44	3.85
Wholesale trade	5.00	5.11	4.69	1.59	1.59	1.24	3.87	3.94	3.30

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Total all occupations			Professional and technical			Engineers, technical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	3.36	3.53	3.27	1.16	1.19	.91	3.23	3.37	2.85
Motor vehicles and equipment	.42	.45	.45	.07	.08	.06	.11	.12	.10
Drugs, chemicals, allied product	.29	.28	.25	.13	.12	.09	.20	.20	.16
Dry goods and apparel	.20	.17	.16	.04	.03	.03	.01	.01	.00
Food and related products	.74	.70	.63	.10	.10	.07	.08	.08	.06
Farm products-raw materials	.13	.16	.08	.02	.03	.01	.01	.01	.00
Electrical goods	.40	.39	.40	.23	.20	.17	.93	.87	.72
Hardware and plumbing	.21	.22	.19	.05	.05	.04	.25	.24	.19
Machinery equipment, supplies	.95	1.12	1.07	.50	.55	.41	1.61	1.82	1.57
Miscellaneous wholesale trade	1.64	1.57	1.41	.43	.40	.32	.64	.56	.44
Metals and minerals, other	.17	.14	.14	.05	.04	.04	.15	.13	.12
Petroleum products	.25	.24	.20	.11	.11	.07	.19	.18	.12
Scrap and waste material	.12	.14	.10	.00	.00	.00	.00	.01	.01
Alcoholic beverages	.12	.13	.10	.01	.02	.01	.00	.00	.00
Paper and paper products	.16	.13	.14	.03	.03	.02	.02	.02	.02
Lumber, construction materials	.20	.18	.18	.03	.03	.03	.07	.05	.05
Other wholesale trade	.59	.57	.52	.15	.15	.13	.18	.16	.11
Retail trade	15.80	16.73	17.75	2.30	2.50	2.61	.45	.50	.55
Building materials	.75	.76	.71	.05	.06	.04	.06	.06	.03
Lumber, building material	.46	.50	.42	.04	.04	.03	.05	.05	.02
Hardware and farm equipment	.29	.25	.28	.01	.01	.01	.01	.00	.00
General merchandise, total	3.26	3.11	3.76	.45	.47	.53	.11	.13	.20
Department stores, mail order	1.98	2.04	2.62	.32	.37	.42	.07	.09	.13
Limited price stores	.39	.30	.29	.03	.02	.02	.00	.00	.00
Vending machine operators	.08	.08	.11	.01	.01	.01	.01	.01	.02
Direct selling	.41	.36	.29	.01	.01	.01	.00	.00	.00
Miscellaneous merchadise store	.38	.31	.43	.06	.05	.07	.02	.02	.05
Food and dairy stores	2.49	2.48	2.58	.09	.10	.12	.05	.07	.12
Grocery stores	2.13	2.13	2.28	.09	.09	.11	.05	.07	.12
Dairy products	.04	.04	.03	.00	.00	.00	.00	.00	.00
Retail bakeries	.15	.14	.13	.00	.00	.00	.00	.00	.00
Food stores, cther	.15	.15	.13	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	2.29	2.10	2.00	.10	.11	.10	.04	.05	.06
Motor vehicle dealers	.97	.94	.84	.05	.05	.04	.01	.01	.01
Tire, battery, accessory dealrs	.23	.27	.31	.01	.01	.02	.01	.02	.03
Gasoline service stations	.99	.75	.67	.02	.02	.02	.00	.01	.01
Miscellaneous vehicle dealers	.09	.13	.16	.00	.01	.01	.00	.00	.00
Apparel and accessory stores	.97	.98	.99	.06	.07	.06	.00	.00	.00
Apparel, accessory, except shoes	.78	.79	.78	.05	.06	.05	.00	.00	.00
Shoe stores	.19	.18	.20	.01	.01	.01	.00	.00	.00
Furniture and appliance stores	.70	.71	.70	.15	.13	.10	.05	.06	.04
Home furnishings	.43	.42	.44	.05	.06	.05	.00	.00	.00
Household appliances, tv, radio	.26	.28	.26	.09	.07	.04	.05	.06	.04
Eating and drinking places	3.43	4.58	4.89	.25	.46	.48	.02	.02	.00
Miscellaneous retail trade	1.87	1.98	2.09	1.11	1.06	1.15	.09	.09	.09
Drug stores	.59	.52	.58	.94	.83	.91	.02	.01	.01
Liquor stores	.16	.17	.18	.00	.00	.00	.00	.00	.00
Farm, garden supply stores	.15	.17	.16	.01	.01	.01	.00	.00	.00
Jewelry stores	.13	.14	.14	.01	.01	.01	.00	.00	.00
Fuel and ice dealers	.14	.11	.09	.01	.01	.01	.02	.01	.01
Retail florists	.10	.12	.15	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.58	.73	.77	.12	.17	.19	.04	.05	.06
Finance, insurance and real estate	4.85	5.32	5.69	1.58	1.69	1.95	.71	.75	.91
Finance, total	2.05	2.27	2.68	.71	.82	1.10	.10	.13	.22
Banking	1.26	1.41	1.70	.43	.50	.72	.05	.06	.15
Credit agencies	.45	.54	.67	.13	.18	.22	.01	.03	.05
Stock brokers, investment cos	.33	.32	.30	.14	.14	.15	.03	.03	.02
Insurance	1.71	1.70	1.72	.71	.67	.64	.48	.48	.53
Real estate	1.08	1.34	1.29	.15	.18	.20	.13	.14	.15
Services, total	26.26	28.68	30.69	64.80	67.10	66.92	12.73	17.01	19.38

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Total all occupations			Professional and technical			Engineers, technical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.26	1.37	1.64	.22	.28	.33	.05	.06	.05
Hotels and motels	.88	.99	1.16	.16	.21	.25	.05	.06	.05
Other lodging places	.37	.37	.48	.06	.06	.08	.00	.00	.00
Other personal services	1.82	1.54	1.20	.43	.56	.47	.02	.02	.01
Laundering and cleaning	.75	.46	.27	.02	.01	.00	.02	.02	.01
Beauty shops	.57	.51	.50	.00	.00	.00	.00	.00	.00
Barber shops	.18	.16	.12	.00	.00	.00	.00	.00	.00
Shoe repair shops	.03	.03	.02	.00	.00	.00	.00	.00	.00
Dressmaking shops	.04	.04	.03	.00	.00	.00	.00	.00	.00
Misc personal services	.22	.31	.25	.40	.54	.46	.00	.00	.00
Miscellaneous business services	2.08	2.82	3.66	2.82	3.64	4.44	2.70	3.72	5.21
Advertising	.16	.15	.13	.26	.25	.21	.00	.00	.00
Business management services	.22	.29	.40	.67	.83	1.11	.83	1.13	1.66
Commercial research,development	.11	.14	.19	.45	.53	.69	1.06	1.42	1.99
Computer programing	.14	.20	.28	.38	.53	.74	.31	.41	.67
Detective and protective serv	.17	.29	.41	.02	.04	.05	.02	.05	.06
Employment,temporary help	.27	.41	.55	.58	.87	1.03	.00	.00	.00
Services to buildings	.38	.48	.74	.01	.01	.02	.01	.01	.01
Other business services	.60	.83	.93	.41	.56	.56	.44	.68	.79
Automobile services	.64	.78	.77	.07	.05	.04	.00	.00	.00
Automobile repair	.42	.55	.51	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.21	.23	.26	.06	.05	.04	.00	.00	.00
Other repair services	.40	.47	.43	.03	.04	.04	.08	.07	.08
Electrical repair	.16	.14	.16	.02	.01	.02	.08	.07	.08
Other repair,exc electrical	.24	.33	.27	.01	.02	.01	.00	.00	.00
Motion pictures and theaters	.30	.21	.26	.69	.50	.65	.07	.05	.08
Miscellaneous entertainment	.54	.82	.75	.74	1.09	.95	.00	.01	.02
Bowling alleys,billiards	.11	.12	.08	.02	.02	.01	.00	.00	.00
Other entertainment	.42	.70	.67	.72	1.06	.93	.00	.01	.02
Medical and other health service	5.89	7.09	9.60	14.09	16.49	20.00	.43	.56	.90
Offices of physicians	.71	.84	1.06	2.52	2.57	3.06	.00	.00	.00
Offices of dentists	.32	.41	.48	.96	1.04	1.20	.00	.00	.00
Offices of chiropractors	.02	.04	.02	.14	.13	.12	.00	.00	.00
Hospitals	3.76	4.13	5.14	8.55	9.42	10.94	.27	.33	.52
Convalescent institutions	.64	.83	1.95	.57	.75	1.62	.01	.01	.05
Other health practitioners	.06	.08	.12	.27	.30	.42	.00	.00	.00
Other health services	.34	.72	.81	1.05	2.25	2.61	.14	.21	.33
Legal services	.49	.62	.68	2.05	2.29	2.62	.02	.00	.02
Educational services	7.65	7.96	7.05	32.97	30.20	25.27	.84	.89	.77
Elementary and secondary school	5.22	5.32	4.50	24.99	21.70	17.86	.09	.11	.09
Colleges and universities	2.00	2.14	1.98	6.30	6.62	5.41	.73	.76	.66
Libraries	.10	.11	.13	.25	.21	.25	.00	.00	.00
Other educational services	.31	.39	.43	1.42	1.64	1.73	.01	.01	.00
Museums,art galleries,zoos	.03	.05	.08	.07	.10	.14	.00	.00	.01
Nonprofit organizations	1.81	2.04	2.16	5.35	5.56	5.36	.22	.27	.41
Religious organizations	.72	.76	.69	2.97	2.78	2.50	.00	.00	.00
Welfare services	.54	.68	.82	1.79	2.06	2.15	.00	.00	.00
Residential welfare services	.06	.06	.12	.05	.08	.15	.00	.00	.00
Nonprofit membership organiztns	.48	.52	.53	.53	.62	.54	.22	.27	.41
Private households	2.26	1.47	.92	.26	.19	.10	.00	.00	.00
Other professional services	1.04	1.37	1.43	4.95	6.04	6.44	8.26	11.30	11.78
Engineering and architectural	.40	.52	.55	2.08	2.37	2.68	7.04	9.63	10.33
Accounting and auditing	.38	.47	.50	1.58	1.78	1.98	.20	.26	.19
Miscellaneous professional serv	.26	.38	.37	1.28	1.88	1.77	1.00	1.39	1.26
Government,total	5.41	5.31	5.22	6.55	6.78	7.52	9.74	9.38	10.22
Federal public administration	2.87	2.40	2.09	4.00	3.52	3.78	7.53	6.94	7.65
Postal services	.90	.72	.58	.05	.07	.08	.07	.09	.07
Federal pub adm,exc post office	1.97	1.68	1.51	3.94	3.44	3.70	7.45	6.85	7.57
State public administration	.78	.95	.99	1.33	1.72	1.80	.83	.93	1.14
Local public administration	1.75	1.95	2.13	1.21	1.54	1.93	1.38	1.50	1.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Aero- nautical engineers			Chemical engineers			Civil engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.78	1.25	1.15
Agriculture	.00	.00	.00	.00	.00	.00	.12	.21	.27
Agricultural production	.00	.00	.00	.00	.00	.00	.09	.18	.26
Horticultural services	.00	.00	.00	.00	.00	.00	.01	.02	.01
Forestry	.00	.00	.00	.00	.00	.00	.66	1.04	.87
Mining	.00	.00	.00	2.21	2.92	2.20	.71	.92	.97
Metal	.00	.00	.00	.12	.12	.10	.07	.07	.07
Coal	.00	.00	.00	.05	.08	.16	.07	.09	.17
Crude petroleum and natural gas	.00	.00	.00	1.71	2.38	1.66	.47	.67	.66
Nonmetallic mining and quarrying	.00	.00	.00	.32	.33	.26	.09	.08	.06
Construction	.00	.00	.00	1.95	2.13	1.74	42.94	37.50	37.42
General building contractors	.00	.00	.00	.16	.17	.19	4.92	4.62	4.34
General contractors,exc building	.00	.00	.00	1.79	1.95	1.55	35.19	29.83	30.16
Special trade contractors	.00	.00	.00	.00	.00	.00	2.82	3.04	2.91
Manufacturing	86.29	81.09	73.41	80.87	76.19	75.59	8.23	6.28	5.13
Durable goods	86.23	81.06	73.41	16.39	14.19	10.35	6.14	4.55	3.52
Ordnance	6.45	4.16	3.47	1.36	.70	.59	.54	.23	.15
Lumber and wood products	.00	.00	.00	.06	.04	.03	.13	.13	.19
Logging	.00	.00	.00	.02	.01	.01	.02	.01	.00
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.07	.08	.14
Miscellaneous wood products	.00	.00	.00	.03	.02	.02	.03	.03	.05
Furniture and fixtures	.00	.00	.00	.05	.12	.38	.02	.02	.04
Stone,clay,and glass products	.00	.00	.00	2.14	1.98	1.45	.65	.59	.54
Glass and glass products	.00	.00	.00	.43	.42	.36	.04	.04	.02
Cement,concrete,plaster	.00	.00	.00	.31	.30	.20	.51	.47	.42
Structural clay products	.00	.00	.00	.29	.15	.01	.02	.02	.02
Pottery and related products	.00	.00	.00	.23	.16	.03	.01	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.87	.93	.83	.04	.05	.06
Primary metal industries	.00	.00	.00	2.05	1.93	1.80	.77	.60	.60
Blast furnaces,steel works	.00	.00	.00	.81	.71	.73	.49	.36	.36
Other primary steel	.00	.00	.00	.30	.30	.32	.10	.09	.13
Primary aluminum	.00	.00	.00	.35	.38	.30	.11	.09	.07
Other primary nonferrous	.00	.00	.00	.57	.53	.44	.05	.04	.03
Fabricated metal products	.00	.00	.00	.87	.76	.47	.98	.78	.43
Cutlery and other hardware	.00	.00	.00	.07	.10	.19	.02	.03	.04
Fabricated structural metal	.00	.00	.00	.28	.22	.06	.76	.63	.36
Screw machine products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Metal stamping	.00	.00	.00	.13	.13	.11	.03	.02	.00
Miscellaneous fabricated metal	.00	.00	.00	.38	.29	.07	.15	.09	.01
Machinery except electrical	.38	.44	.29	2.20	1.99	1.03	.58	.39	.11
Engines and turbines	.17	.19	.09	.11	.08	.00	.03	.02	.00
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.03	.03	.04
Construction machines	.00	.00	.00	.18	.20	.16	.21	.14	.02
Metalworking machinery	.00	.00	.00	.06	.07	.06	.01	.01	.01
Office and accounting machines	.00	.00	.00	.15	.11	.07	.00	.00	.00
Electronic computing equipment	.03	.05	.05	.52	.54	.37	.03	.02	.00
Other machinery,exc electrical	.17	.19	.14	1.16	.97	.34	.25	.15	.02
Electrical machinery	1.32	1.16	.64	3.45	2.48	.74	.45	.25	.09
Household appliances	.00	.00	.00	.17	.11	.00	.00	.00	.00
radio, tv communications equip	.93	.81	.56	.81	.48	.29	.21	.11	.07
Other electrical machinery	.38	.34	.08	2.47	1.88	.44	.23	.13	.01
Transportation equipment	77.16	74.11	67.74	2.32	2.05	1.57	1.80	1.33	1.07
Motor vehicles and equipment	.13	.17	.12	.53	.57	.44	.20	.21	.25
Aircraft and parts	76.78	73.62	67.40	1.61	1.30	.89	1.32	.94	.66
Ship,boat building and repair	.18	.25	.21	.13	.13	.21	.22	.14	.13
Railroad equipment	.02	.02	.00	.02	.02	.00	.03	.01	.00
Mobile dwellings	.00	.00	.00	.00	.00	.00	.02	.01	.00
Cycles,misc transportation	.03	.03	.00	.01	.01	.00	.00	.00	.00
Professional,scientific instrs	.60	.74	.58	1.56	1.79	1.92	.14	.14	.17
Scientific instruments	.54	.65	.50	.21	.21	.16	.04	.03	.02
Optical,health serv supplies	.04	.07	.07	.29	.42	.47	.02	.02	.03
Photo equipment and supplies	.01	.01	.00	1.04	1.14	1.28	.07	.07	.11
Watches and clock devices	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.31	.43	.66	.29	.31	.32	.04	.05	.09
Nondurable goods	.05	.03	.00	64.47	62.00	65.24	2.09	1.72	1.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Aero- nautical engineers			Chemical engineers			Civil engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	1.31	1.27	1.29	.33	.26	.26
Meat	.00	.00	.00	.04	.04	.05	.04	.03	.03
Dairy	.00	.00	.00	.08	.07	.10	.03	.02	.02
Canning and preserving	.00	.00	.00	.00	.00	.00	.03	.02	.00
Grain mill	.00	.00	.00	.28	.26	.20	.04	.03	.04
Bakery	.00	.00	.00	.02	.01	.00	.06	.05	.07
Confectionery	.00	.00	.00	.03	.02	.02	.00	.00	.00
Beverages	.00	.00	.00	.26	.23	.21	.06	.04	.03
Miscellaneous food preparation	.00	.00	.00	.57	.60	.68	.04	.04	.04
Tobacco manufacturing	.00	.00	.00	.09	.07	.05	.01	.01	.01
Textile mill products	.00	.00	.00	.50	.45	.44	.05	.04	.07
Dyeing,finishing textiles	.00	.00	.00	.11	.11	.13	.00	.00	.00
Floor coverings	.00	.00	.00	.03	.03	.02	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.26	.23	.27	.04	.04	.07
Miscellaneous textile mill	.00	.00	.00	.09	.06	.01	.00	.00	.00
Apparel and textile products	.00	.00	.00	.01	.00	.00	.02	.01	.00
Apparel and accessories	.00	.00	.00	.01	.00	.00	.02	.01	.00
Paper and allied products	.00	.00	.00	2.55	2.37	2.58	.25	.20	.23
Pulp,paper paperboard mills	.00	.00	.00	1.73	1.47	1.27	.19	.15	.17
Paperboard containers,boxes	.00	.00	.00	.34	.34	.53	.03	.02	.03
Miscellaneous paper and pulp	.00	.00	.00	.46	.54	.77	.02	.02	.03
Printing and publishing	.00	.00	.00	.15	.20	.30	.02	.02	.03
Other printing,exc newspapers	.00	.00	.00	.15	.20	.30	.02	.02	.03
Chemicals and allied products	.05	.03	.00	46.41	43.96	51.22	.79	.63	.63
Industrial chemicals	.00	.00	.00	25.72	23.82	26.00	.42	.34	.37
Plastics and synthetics	.00	.00	.00	5.64	5.00	5.22	.08	.05	.02
Synthetic fibers	.00	.00	.00	4.60	5.13	9.17	.09	.07	.10
Drugs and medicines	.00	.00	.00	2.27	3.03	4.37	.05	.05	.04
Soaps and cosmetics	.00	.00	.00	2.10	2.01	1.86	.05	.05	.04
Paints and varnishes	.00	.00	.00	.95	.90	.89	.00	.00	.00
Agricultural chemicals	.00	.00	.00	1.46	1.47	1.14	.03	.03	.02
Miscellaneous chemicals	.05	.03	.00	3.63	2.56	2.55	.04	.02	.03
Petroleum and coal products	.00	.00	.00	9.49	9.44	6.20	.43	.35	.19
Petroleum refining	.00	.00	.00	9.20	9.16	6.01	.40	.33	.19
Misc petroleum,coal products	.00	.00	.00	.28	.28	.18	.02	.01	.00
Rubber,miscellaneous plastics	.00	.00	.00	3.94	4.21	3.12	.15	.15	.16
Rubber	.00	.00	.00	2.32	2.21	2.17	.08	.07	.07
Miscellaneous plastics	.00	.00	.00	1.61	2.00	.94	.06	.08	.08
Transportation, other public util	1.32	1.66	2.15	1.52	1.84	2.06	6.58	6.58	6.84
Transportation,total	1.29	1.63	2.15	.16	.14	.06	1.79	1.46	1.38
Railroads and railway express	.00	.00	.00	.03	.01	.00	1.02	.68	.45
Local and interurban transit	.01	.01	.00	.01	.00	.00	.21	.19	.30
Street railways and bus lines	.01	.01	.00	.01	.00	.00	.21	.19	.30
Trucking and warehousing	.00	.00	.00	.02	.02	.01	.06	.06	.06
Trucking services	.00	.00	.00	.01	.01	.00	.05	.06	.06
Warehousing and storage	.00	.00	.00	.01	.01	.01	.00	.00	.00
Water transportation	.00	.00	.00	.00	.00	.00	.19	.16	.11
Air transportation	1.28	1.62	2.15	.00	.00	.00	.16	.21	.33
Pipelines	.00	.00	.00	.10	.09	.04	.07	.06	.04
Transportation services	.00	.00	.00	.00	.00	.00	.06	.07	.06
Communicatns,utils,sanitary serv	.02	.03	.00	1.36	1.69	2.00	4.79	5.11	5.46
Communications	.00	.00	.00	.03	.02	.00	.72	.74	1.08
Telephone(wire and radio)	.00	.00	.00	.03	.02	.00	.64	.64	.95
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.02	.03	.05
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.05	.06	.07
Utilities and sanitary services	.02	.03	.00	1.32	1.66	2.00	4.07	4.36	4.37
Electric light and power	.02	.03	.00	.35	.60	.32	.89	1.34	.89
Electric-gas utilities	.00	.00	.00	.30	.30	.35	.48	.43	.44
Gas steam supply systems	.00	.00	.00	.41	.43	.46	.35	.28	.25
Water supply	.00	.00	.00	.08	.10	.52	1.49	1.45	1.77
Sanitary services	.00	.00	.00	.17	.21	.33	.81	.82	.97
Other utilities	.00	.00	.00	.00	.00	.00	.02	.02	.02
Wholesale and retail trade	.23	.36	.35	3.04	3.21	2.52	1.07	.99	.75
Wholesale trade	.23	.36	.35	3.04	3.21	2.52	.88	.78	.57

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Aero-nautical engineers			Chemical engineers			Civil engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.23	.36	.35	2.21	2.37	1.88	.39	.42	.41
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.01	.01	.02
Drugs,chemicals,allied product	.00	.00	.00	1.51	1.56	1.28	.05	.04	.04
Food and related products	.00	.00	.00	.03	.02	.00	.03	.04	.06
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.02	.02	.01
Electrical goods	.00	.00	.00	.09	.09	.05	.04	.04	.03
Hardware and plumbing	.00	.00	.00	.06	.05	.02	.01	.01	.00
Machinery equipment,supplies	.23	.36	.35	.51	.64	.50	.21	.23	.23
Miscellaneous wholesale trade	.00	.00	.00	.83	.83	.64	.48	.35	.16
Metals and minerals, other	.00	.00	.00	.11	.07	.01	.10	.07	.03
Petroleum products	.00	.00	.00	.49	.55	.49	.23	.19	.10
Paper and paper products	.00	.00	.00	.01	.01	.03	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.05	.04	.02	.09	.04	.00
Other wholesale trade	.00	.00	.00	.15	.14	.07	.04	.03	.01
Retail trade	.00	.00	.00	.00	.00	.00	.19	.21	.18
Food and dairy stores	.00	.00	.00	.00	.00	.00	.07	.07	.10
Grocery stores	.00	.00	.00	.00	.00	.00	.07	.07	.10
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.01	.01	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.01	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.01	.00	.00
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.01	.03	.06
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.01	.03	.06
Eating and drinking places	.00	.00	.00	.00	.00	.00	.03	.04	.00
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	.04	.03	.01
Drug stores	.00	.00	.00	.00	.00	.00	.01	.00	.00
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.02	.01	.01
Misc retail trade stores	.00	.00	.00	.00	.00	.00	.01	.01	.00
Finance,insurance and real estate	.00	.00	.00	.03	.06	.04	.85	.73	.63
Finance,total	.00	.00	.00	.03	.06	.04	.09	.09	.06
Banking	.00	.00	.00	.00	.00	.00	.04	.03	.00
Credit agencies	.00	.00	.00	.00	.00	.00	.03	.04	.05
Stock brokers,investment cos	.00	.00	.00	.03	.06	.04	.02	.02	.01
Insurance	.00	.00	.00	.00	.00	.00	.33	.16	.01
Real estate	.00	.00	.00	.00	.00	.00	.41	.47	.55
Services, total	2.94	4.93	4.64	7.77	11.09	13.08	21.55	28.28	30.00
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.05	.05	.00
Hotels and motels	.00	.00	.00	.00	.00	.00	.05	.05	.00
Other personal services	.00	.00	.00	.00	.00	.00	.01	.00	.00
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous business services	.73	1.24	1.96	2.03	2.71	3.13	.62	.62	.56
Business management services	.02	.04	.06	.04	.06	.05	.10	.08	.02
Commercial research,development	.68	1.13	1.66	1.92	2.57	2.98	.28	.33	.44
Computer programing	.02	.06	.23	.06	.07	.08	.04	.05	.07
Services to buildings	.00	.00	.00	.00	.00	.00	.02	.02	.00
Other business services	.00	.00	.00	.00	.00	.00	.16	.13	.02
Medical and other health service	.00	.00	.00	.13	.16	.00	.68	.81	1.14
Hospitals	.00	.00	.00	.00	.00	.00	.24	.22	.19
Convalescent institutions	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other health services	.00	.00	.00	.13	.16	.00	.42	.57	.95
Educational services	.21	.29	.34	.72	.78	.71	.83	.74	.35
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.22	.16	.00
Colleges and universities	.21	.29	.34	.72	.78	.71	.58	.54	.35
Other educational services	.00	.00	.00	.00	.00	.00	.02	.03	.00
Nonprofit organizations	.02	.02	.00	.14	.20	.37	.43	.54	1.02
Nonprofit membership organiztns	.02	.02	.00	.14	.20	.37	.43	.54	1.02
Other professional services	1.96	3.37	2.32	4.74	7.22	8.85	18.89	25.48	26.92
Engineering and architectural	.80	1.45	1.49	3.45	5.85	8.29	18.37	24.91	26.67
Accounting and auditing	.00	.00	.00	.00	.00	.00	.07	.05	.02
Miscellaneous professional serv	1.16	1.92	.83	1.29	1.36	.56	.44	.51	.21
Government,total	9.20	11.93	19.44	2.58	2.53	2.73	17.25	17.42	17.07
Federal public administration	9.10	11.77	19.31	2.38	2.30	2.56	7.54	6.03	5.85
Postal services	.00	.00	.00	.00	.00	.00	.04	.04	.03
Federal pub adm,exc post office	9.10	11.77	19.31	2.38	2.30	2.56	7.49	5.99	5.82
State public administration	.10	.16	.13	.10	.14	.17	3.21	3.69	3.84
Local public administration	.00	.00	.00	.08	.07	.00	6.50	7.69	7.36

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Electrical engineers			Industrial engineers			Mechanical engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.02	.02	.01	.06	.07	.05	.13	.22	.29
Agriculture	.01	.00	.00	.01	.01	.00	.01	.01	.00
Agricultural production	.01	.00	.00	.01	.01	.00	.01	.01	.00
Forestry	.01	.01	.01	.04	.05	.05	.02	.03	.05
Fisheries	.00	.00	.00	.00	.00	.00	.09	.17	.24
Mining	.36	.49	.35	.64	.87	.77	.78	1.12	1.13
Metal	.03	.03	.03	.12	.12	.10	.07	.07	.06
Coal	.03	.04	.03	.06	.10	.17	.04	.06	.07
Crude petroleum and natural gas	.26	.38	.26	.36	.55	.42	.57	.91	.93
Nonmetallic mining and quarrying	.03	.02	.01	.09	.09	.06	.08	.08	.05
Construction	2.12	2.43	2.54	1.44	1.75	2.20	3.35	3.76	4.14
General building contractors	.19	.21	.24	.28	.35	.50	.46	.50	.58
General contractors,exc building	.92	.94	.88	.92	1.06	1.25	1.60	1.64	1.57
Special trade contractors	1.01	1.27	1.42	.23	.33	.44	1.28	1.61	1.99
Manufacturing	55.74	49.59	44.07	68.65	64.84	60.14	70.53	64.47	60.78
Durable goods	53.55	47.60	42.04	54.49	52.30	50.40	62.21	56.79	52.94
Ordnance	3.66	1.82	1.23	3.30	1.65	1.13	5.43	2.72	2.32
Lumber and wood products	.11	.12	.14	.43	.41	.37	.17	.18	.27
Logging	.01	.02	.01	.02	.03	.03	.00	.00	.00
Sawmill,planing and mill work	.06	.06	.07	.26	.26	.23	.10	.12	.17
Miscellaneous wood products	.03	.03	.05	.14	.12	.11	.05	.05	.09
Furniture and fixtures	.02	.02	.02	.72	.71	.56	.16	.16	.18
Stone,clay,and glass products	.26	.26	.24	1.65	1.60	1.16	.89	.83	.66
Glass and glass products	.10	.10	.10	.55	.53	.43	.32	.31	.29
Cement,concrete,plaster	.06	.05	.03	.36	.36	.26	.20	.19	.15
Structural clay products	.00	.00	.00	.05	.04	.02	.02	.01	.00
Pottery and related products	.01	.02	.01	.13	.12	.08	.04	.04	.04
Miscellaneous nonmetallic,stone	.07	.08	.08	.54	.54	.36	.28	.26	.16
Primary metal industries	.92	.82	.70	4.17	3.68	3.02	2.25	2.01	1.90
Blast furnaces,steel works	.37	.32	.33	1.73	1.33	.88	.79	.58	.39
Other primary steel	.12	.11	.11	1.03	.89	.60	.49	.47	.56
Primary aluminum	.19	.18	.12	.54	.63	.72	.56	.59	.56
Other primary nonferrous	.23	.19	.14	.86	.83	.80	.39	.36	.38
Fabricated metal products	.60	.63	.69	4.53	4.94	5.19	4.75	4.37	3.18
Cutlery and other hardware	.02	.03	.05	.58	.64	.62	.79	.90	1.14
Fabricated structural metal	.31	.35	.44	1.14	1.09	.70	1.45	1.38	1.03
Screw machine products	.01	.01	.01	.39	.43	.49	.35	.28	.12
Metal stamping	.05	.05	.05	.79	.86	1.05	.67	.55	.28
Miscellaneous fabricated metal	.19	.18	.12	1.62	1.89	2.30	1.47	1.25	.60
Machinery except electrical	5.76	6.22	7.14	9.94	10.73	11.41	18.82	19.67	20.72
Engines and turbines	.24	.25	.19	.69	.76	.61	1.37	1.44	1.15
Farm machinery and equipment	.08	.09	.09	.68	.65	.38	.78	.81	.79
Construction machines	.39	.44	.41	1.46	1.67	1.52	2.78	3.13	3.24
Metalworking machinery	.30	.30	.28	1.02	1.00	.78	2.83	2.86	2.97
Office and accounting machines	.52	.33	.17	.60	.43	.30	.66	.48	.44
Electronic computing equipment	3.16	3.71	4.99	1.87	2.52	4.79	1.95	2.25	3.08
Other machinery,exc electrical	1.04	1.07	.98	3.60	3.67	2.99	8.42	8.68	9.03
Electrical machinery	32.60	29.68	25.48	13.40	13.46	15.09	8.29	6.87	5.43
Household appliances	.68	.57	.43	.87	.85	1.01	.46	.35	.18
Radio, tv communications equip	15.52	13.05	11.93	5.36	4.53	4.06	3.64	2.59	2.23
Other electrical machinery	16.39	16.05	13.11	7.15	8.07	10.01	4.17	3.93	3.01
Transportation equipment	6.98	5.37	4.16	11.87	10.57	8.96	18.13	16.52	14.81
Motor vehicles and equipment	.49	.53	.47	3.81	4.09	3.70	7.36	7.92	7.39
Aircraft and parts	5.27	3.96	2.74	6.73	5.19	3.82	7.49	5.64	4.32
Ship,boat building and repair	1.12	.74	.80	.96	.81	.71	2.78	2.39	2.66
Railroad equipment	.07	.08	.06	.21	.24	.20	.26	.25	.12
Mobile dwellings	.00	.01	.05	.09	.12	.34	.03	.03	.07
Cycles,misc transportation	.02	.02	.02	.05	.09	.18	.19	.26	.21
Professional,scientific instrs	2.29	2.35	2.00	3.52	3.68	2.95	2.71	2.82	2.70
Scientific instruments	1.48	1.41	1.03	1.67	1.63	1.20	1.33	1.25	.92
Optical,health serv supplies	.33	.43	.40	.69	.91	.80	.52	.68	.67
Photo equipment and supplies	.43	.46	.53	1.04	1.04	.89	.80	.84	1.07
Watches and clock devices	.04	.03	.03	.11	.09	.05	.04	.03	.03
Miscellaneous manufacturing	.29	.27	.19	.90	.82	.54	.58	.60	.73
Nondurable goods	2.19	1.98	2.03	14.15	12.54	9.74	8.32	7.67	7.83

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Electrical engineers			Industrial engineers			Mechanical engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.27	.26	.27	2.73	2.18	1.18	1.13	.99	.91
Meat	.02	.02	.02	.44	.39	.25	.15	.13	.08
Dairy	.02	.01	.01	.39	.25	.10	.15	.09	.04
Canning and preserving	.07	.07	.09	.49	.39	.18	.28	.26	.30
Grain mill	.01	.01	.01	.25	.21	.09	.08	.06	.04
Bakery	.03	.03	.04	.30	.28	.28	.13	.13	.17
Confectionery	.00	.00	.00	.13	.08	.02	.06	.05	.07
Beverages	.05	.05	.04	.33	.25	.12	.00	.00	.00
Miscellaneous food preparation	.04	.04	.04	.37	.29	.12	.25	.22	.18
Tobacco manufacturing	.00	.00	.00	.10	.06	.02	.07	.06	.06
Textile mill products	.06	.06	.05	1.77	1.44	1.13	.56	.49	.62
Knitting mills	.00	.00	.00	.27	.24	.25	.03	.03	.04
Dyeing, finishing textiles	.03	.02	.01	.19	.15	.08	.05	.05	.06
Floor coverings	.00	.00	.00	.13	.11	.09	.03	.03	.05
Yarn and fabric mills	.03	.03	.03	1.04	.83	.61	.34	.28	.28
Miscellaneous textile mill	.00	.00	.00	.13	.10	.08	.09	.09	.17
Apparel and textile products	.00	.00	.00	1.27	1.32	1.55	.14	.12	.10
Apparel and accessories	.00	.00	.00	1.07	1.11	1.29	.08	.06	.02
Miscellaneous fabricated textile	.00	.00	.00	.19	.20	.25	.05	.06	.08
Paper and allied products	.30	.27	.29	1.59	1.29	.85	1.08	.96	1.05
Pulp, paper paperboard mills	.19	.15	.14	.69	.50	.23	.60	.49	.47
Paperboard containers, boxes	.03	.02	.03	.39	.31	.25	.19	.15	.13
Miscellaneous paper and pulp	.07	.08	.10	.49	.47	.36	.28	.31	.45
Printing and publishing	.11	.11	.13	.59	.50	.26	.25	.27	.38
Newspaper publishing, printing	.04	.04	.05	.03	.02	.00	.03	.04	.09
Other printing, exc newspapers	.07	.07	.08	.55	.48	.26	.21	.22	.28
Chemicals and allied products	1.05	.90	1.04	3.15	2.76	2.60	3.04	2.65	2.86
Industrial chemicals	.66	.55	.59	1.05	.90	.88	1.36	1.19	1.28
Plastics and synthetics	.09	.07	.06	.33	.28	.24	.33	.29	.34
Synthetic fibers	.14	.14	.25	.36	.35	.41	.51	.48	.65
Drugs and medicines	.03	.04	.05	.45	.47	.48	.18	.17	.16
Soaps and cosmetics	.02	.02	.02	.39	.35	.26	.25	.22	.18
Paints and varnishes	.01	.01	.00	.11	.09	.08	.03	.02	.01
Agricultural chemicals	.01	.01	.01	.06	.06	.03	.12	.11	.07
Miscellaneous chemicals	.06	.04	.03	.37	.24	.19	.23	.15	.14
Petroleum and coal products	.18	.16	.10	.42	.40	.26	.71	.66	.49
Petroleum refining	.16	.14	.07	.30	.27	.16	.63	.57	.37
Misc petroleum, coal products	.01	.01	.03	.12	.13	.10	.07	.08	.11
Rubber, miscellaneous plastics	.19	.19	.13	2.14	2.30	1.71	1.25	1.39	1.26
Rubber	.12	.10	.08	1.25	1.13	.96	.64	.57	.59
Miscellaneous plastics	.07	.08	.04	.88	1.16	.75	.61	.81	.67
Leather products	.00	.00	.00	.35	.25	.14	.06	.04	.04
Leather tanning and finishing	.00	.00	.00	.05	.04	.02	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.22	.15	.07	.02	.01	.01
All other leather	.00	.00	.00	.07	.06	.04	.03	.03	.03
Transportation, other public util	20.50	22.38	27.29	2.54	2.51	1.96	4.00	4.51	4.04
Transportation, total	.66	.65	.61	.97	.83	.60	1.25	1.45	1.19
Railroads and railway express	.21	.15	.09	.27	.17	.05	.22	.14	.05
Local and interurban transit	.09	.09	.13	.04	.03	.03	.04	.03	.11
Street railways and bus lines	.09	.09	.13	.04	.02	.03	.04	.03	.11
Trucking and warehousing	.04	.05	.05	.19	.17	.05	.12	.14	.12
Trucking services	.04	.05	.05	.17	.15	.03	.09	.10	.07
Warehousing and storage	.00	.00	.00	.02	.01	.01	.02	.03	.04
Water transportation	.05	.07	.05	.10	.08	.05	.55	.80	.55
Air transportation	.16	.17	.18	.29	.29	.30	.15	.14	.16
Pipelines	.06	.06	.04	.02	.02	.01	.07	.07	.04
Transportation services	.02	.03	.04	.03	.05	.08	.07	.11	.15
Communicatns, utils, sanitary serv	19.83	21.72	26.67	1.56	1.68	1.35	2.74	3.06	2.84
Communications	12.84	13.51	20.05	.66	.63	.42	.31	.31	.30
Telephone (wire and radio)	9.95	10.37	17.12	.58	.53	.30	.19	.18	.12
Telegraph, misc communicatn serv	.43	.57	.67	.03	.04	.05	.02	.03	.05
Radio and tv broadcasting	2.45	2.55	2.26	.05	.05	.06	.08	.09	.12
Utilities and sanitary services	6.99	8.21	6.62	.89	1.04	.93	2.44	2.75	2.54
Electric light and power	4.88	6.22	4.75	.34	.50	.41	.95	1.34	1.07
Electric-gas utilities	1.77	1.66	1.55	.18	.18	.23	.74	.70	.76
Gas steam supply systems	.13	.12	.10	.25	.22	.18	.51	.46	.43
Water supply	.13	.14	.13	.07	.07	.07	.14	.16	.19
Sanitary services	.05	.05	.06	.04	.04	.03	.07	.07	.06
Wholesale and retail trade	2.53	2.74	2.28	2.93	3.27	3.06	3.54	3.92	3.67
Wholesale trade	2.33	2.52	2.09	2.29	2.50	2.00	3.03	3.37	3.10

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Electrical engineers			Industrial engineers			Mechanical engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	2.22	2.41	2.00	1.74	1.93	1.44	2.58	2.94	2.75
Motor vehicles and equipment	.00	.01	.01	.17	.19	.16	.17	.19	.20
Drugs,chemicals,allied product	.06	.06	.05	.08	.07	.03	.16	.18	.21
Dry goods and apparel	.00	.00	.00	.04	.03	.02	.01	.01	.00
Food and related products	.02	.02	.02	.16	.17	.12	.14	.14	.12
Farm products-raw materials	.00	.00	.00	.02	.04	.01	.01	.01	.00
Electrical goods	1.23	1.24	1.07	.42	.44	.39	.37	.36	.31
Hardware and plumbing	.02	.02	.01	.11	.11	.08	.35	.37	.33
Machinery equipment,supplies	.85	1.02	.81	.70	.84	.59	1.34	1.64	1.56
Miscellaneous wholesale trade	.10	.11	.09	.55	.57	.56	.45	.42	.34
Metals and minerals, other	.02	.02	.02	.15	.15	.17	.09	.08	.07
Petroleum products	.02	.02	.02	.11	.10	.03	.14	.16	.16
Scrap and waste material	.00	.00	.00	.01	.03	.05	.00	.00	.00
Paper and paper products	.00	.00	.00	.04	.03	.04	.04	.03	.04
Lumber,construction materials	.00	.00	.00	.05	.06	.07	.05	.04	.03
Other wholesale trade	.06	.06	.04	.16	.17	.18	.10	.08	.02
Retail trade	.20	.22	.19	.64	.77	1.06	.51	.55	.57
Building materials	.00	.00	.00	.02	.02	.01	.11	.10	.04
Lumber,building material	.00	.00	.00	.02	.02	.01	.09	.08	.03
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.01	.01	.01
General merchandise,total	.07	.07	.06	.33	.38	.62	.12	.12	.16
Department stores,mail order	.05	.06	.05	.20	.25	.37	.07	.08	.10
Vending machine operators	.00	.00	.00	.03	.03	.06	.02	.01	.00
Direct selling	.00	.00	.00	.02	.01	.00	.00	.00	.00
Miscellaneous merchadise store	.01	.00	.01	.07	.06	.18	.02	.02	.05
Food and dairy stores	.01	.01	.00	.11	.16	.27	.05	.08	.16
Grocery stores	.01	.01	.00	.11	.16	.27	.05	.08	.16
Auto dealers,gas stations	.02	.02	.03	.05	.06	.07	.03	.04	.05
Motor vehicle dealers	.00	.00	.00	.01	.01	.00	.02	.03	.03
Tire,battery,accessory dealrs	.01	.02	.03	.03	.05	.07	.00	.00	.01
Furniture and appliance stores	.08	.10	.08	.02	.02	.00	.05	.06	.04
Household appliances,tv,radio	.08	.10	.08	.02	.02	.00	.05	.06	.04
Eating and drinking places	.00	.00	.00	.05	.05	.00	.01	.01	.00
Miscellaneous retail trade	.00	.00	.00	.03	.05	.07	.11	.11	.10
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.07	.05	.03
Misc retail trade stores	.00	.00	.00	.03	.05	.07	.04	.05	.06
Finance,insurance and real estate	.11	.14	.17	2.91	2.99	3.74	.23	.25	.33
Finance,total	.04	.05	.04	.23	.31	.63	.04	.06	.15
Banking	.01	.01	.00	.14	.20	.50	.03	.04	.12
Credit agencies	.01	.02	.02	.03	.07	.11	.00	.00	.00
Stock brokers,investment cos	.01	.01	.01	.05	.03	.00	.01	.02	.02
Insurance	.03	.03	.05	2.58	2.58	3.02	.07	.06	.07
Real estate	.03	.05	.08	.08	.10	.08	.12	.12	.11
Services, total	10.89	14.85	15.13	9.09	12.52	17.44	11.38	16.03	19.06
Hotels and lodging place	.07	.10	.10	.01	.01	.00	.13	.17	.16
Hotels and motels	.07	.10	.10	.01	.01	.00	.13	.17	.16
Other personal services	.00	.00	.00	.08	.06	.05	.06	.05	.05
Laundering and cleaning	.00	.00	.00	.08	.06	.05	.06	.05	.05
Miscellaneous business services	3.00	4.17	5.39	5.65	7.62	11.52	1.76	2.28	2.86
Business management services	.15	.18	.19	4.47	5.78	8.54	.12	.13	.10
Commercial research,development	1.48	1.98	2.79	.39	.56	.91	1.07	1.44	2.28
Computer programing	.46	.61	.91	.32	.45	.79	.18	.20	.17
Detective and protective serv	.01	.03	.06	.07	.13	.20	.00	.01	.00
Services to buildings	.00	.00	.00	.02	.03	.06	.03	.03	.02
Other business services	.88	1.34	1.42	.35	.63	1.01	.33	.44	.28
Other repair services	.18	.15	.13	.02	.03	.06	.10	.09	.10
Electrical repair	.18	.15	.13	.02	.03	.06	.10	.09	.10
Motion pictures and theaters	.20	.15	.23	.02	.02	.04	.05	.02	.01

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Electrical engineers			Industrial engineers			Mechanical engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.23	.33	.59	.50	.79	1.56	.40	.52	1.04
Hospitals	.18	.23	.42	.37	.52	1.07	.31	.40	.79
Convalescent institutions	.00	.00	.00	.00	.00	.00	.03	.04	.08
Other health services	.04	.08	.16	.12	.26	.49	.05	.07	.16
Legal services	.00	.00	.00	.07	.03	.07	.00	.00	.00
Educational services	1.16	1.25	1.04	.24	.31	.35	.82	.91	.74
Elementary and secondary school	.08	.14	.15	.00	.00	.00	.14	.25	.31
Colleges and universities	1.08	1.11	.88	.24	.30	.35	.67	.65	.43
Museums, art galleries, zoos	.00	.01	.02	.00	.00	.00	.00	.01	.00
Nonprofit organizations	.12	.16	.22	.20	.24	.25	.19	.25	.46
Nonprofit membership organiztns	.12	.16	.22	.20	.24	.25	.18	.25	.46
Other professional services	5.88	8.50	7.38	2.25	3.38	3.51	7.83	11.69	13.62
Engineering and architectural	4.37	6.36	5.74	1.32	2.06	2.25	6.87	10.45	12.82
Accounting and auditing	.09	.11	.07	.67	.89	.61	.03	.02	.02
Miscellaneous professional serv	1.42	2.03	1.56	.25	.43	.63	.93	1.21	.77
Government, total	7.68	7.34	8.12	11.71	11.12	10.61	6.02	5.69	6.52
Federal public administration	7.16	6.63	7.19	10.42	9.63	9.61	5.50	5.04	5.82
Postal services	.05	.07	.07	.22	.23	.08	.07	.10	.11
Federal pub adm, exc post office	7.11	6.56	7.11	10.20	9.40	9.52	5.42	4.94	5.71
State public administration	.22	.30	.41	.73	.87	.59	.23	.30	.32
Local public administration	.30	.39	.52	.54	.61	.40	.28	.34	.36

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Metallurgic engineers			Mining engineers			Petroleum engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.00	.00	.00	.04	.02	.00
Agriculture	.00	.00	.00	.00	.00	.00	.04	.02	.00
Services, except horticulture	.00	.00	.00	.00	.00	.00	.04	.02	.00
Mining	1.46	1.81	1.93	66.91	70.10	74.28	73.59	80.72	84.17
Metal	1.02	1.00	.84	30.10	26.26	26.76	.19	.12	.10
Coal	.00	.00	.00	16.38	21.26	29.52	.00	.00	.00
Crude petroleum and natural gas	.33	.69	.98	10.08	13.13	10.32	73.40	80.60	84.06
Nonmetallic mining and quarrying	.11	.11	.10	10.34	9.44	7.66	.00	.00	.00
Construction	1.31	1.52	1.93	1.56	1.81	2.57	.40	.18	.00
General building contractors	.10	.07	.00	.00	.00	.00	.00	.00	.00
General contractors, exc building	.87	1.15	1.93	1.56	1.81	2.57	.40	.18	.00
Special trade contractors	.34	.29	.00	.00	.00	.00	.00	.00	.00
Manufacturing	82.81	77.84	69.46	6.14	4.29	1.95	10.74	7.51	5.81
Durable goods	80.64	75.91	67.88	5.40	3.74	1.46	1.58	1.31	1.69
Ordnance	2.25	1.18	.81	.36	.11	.00	.00	.00	.00
Lumber and wood products	.04	.02	.00	.32	.20	.00	.18	.09	.00
Logging	.00	.00	.00	.00	.00	.00	.11	.06	.00
Sawmill, planing and mill work	.04	.02	.00	.32	.20	.00	.06	.02	.00
Furniture and fixtures	.08	.06	.00	.00	.00	.00	.00	.00	.00
Stone, clay, and glass products	.77	.75	.54	1.42	1.03	.38	.00	.00	.00
Glass and glass products	.11	.10	.09	.12	.10	.00	.00	.00	.00
Cement, concrete, plaster	.13	.13	.10	1.08	.73	.20	.00	.00	.00
Miscellaneous nonmetallic, stone	.52	.50	.33	.22	.20	.18	.00	.00	.00
Primary metal industries	40.21	36.16	30.08	2.42	1.51	.50	.00	.00	.00
Blast furnaces, steel works	15.27	12.09	8.63	1.14	.56	.00	.00	.00	.00
Other primary steel	8.23	7.25	6.65	.30	.18	.00	.00	.00	.00
Primary aluminum	6.30	6.98	6.05	.44	.36	.21	.00	.00	.00
Other primary nonferrous	10.40	9.84	8.73	.54	.40	.29	.00	.00	.00
Fabricated metal products	8.70	9.19	8.85	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.26	.37	.57	.00	.00	.00	.00	.00	.00
Fabricated structural metal	3.07	3.22	2.73	.00	.00	.00	.00	.00	.00
Screw machine products	1.04	1.07	1.04	.00	.00	.00	.00	.00	.00
Metal stamping	1.75	1.83	1.92	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	2.56	2.70	2.58	.00	.00	.00	.00	.00	.00
Machinery except electrical	7.48	8.58	9.63	.50	.55	.56	1.00	1.02	1.69
Engines and turbines	1.31	1.56	1.63	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.62	.61	.41	.00	.00	.00	.00	.00	.00
Construction machines	1.51	1.91	2.35	.50	.55	.56	.50	.42	.46
Metalworking machinery	.89	.97	1.03	.00	.00	.00	.00	.00	.00
Office and accounting machines	.12	.06	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.50	.64	1.03	.00	.00	.00	.10	.14	.16
Other machinery, exc electrical	2.51	2.81	3.15	.00	.00	.00	.38	.45	1.06
Electrical machinery	5.46	5.72	6.68	.00	.00	.00	.15	.08	.00
Household appliances	.35	.35	.43	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	1.86	1.75	1.94	.00	.00	.00	.00	.00	.00
Other electrical machinery	3.24	3.61	4.30	.00	.00	.00	.15	.08	.00
Transportation equipment	13.83	12.22	9.06	.00	.00	.00	.15	.06	.00
Motor vehicles and equipment	3.06	3.53	3.38	.00	.00	.00	.00	.00	.00
Aircraft and parts	9.04	7.16	4.32	.00	.00	.00	.15	.06	.00
Ship, boat building and repair	1.37	1.07	.80	.00	.00	.00	.00	.00	.00
Railroad equipment	.22	.33	.53	.00	.00	.00	.00	.00	.00
Cycles, misc transportation	.12	.11	.01	.00	.00	.00	.00	.00	.00
Professional, scientific instrs	1.58	1.77	1.98	.38	.33	.00	.09	.04	.00
Scientific instruments	1.18	1.22	1.09	.00	.00	.00	.09	.04	.00
Optical, health serv supplies	.18	.33	.68	.38	.33	.00	.00	.00	.00
Photo equipment and supplies	.14	.15	.15	.00	.00	.00	.00	.00	.00
Watches and clock devices	.07	.06	.05	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.20	.21	.22	.00	.00	.00	.00	.00	.00
Nondurable goods	2.17	1.92	1.57	.74	.55	.49	9.15	6.20	4.12

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Metallurgic engineers			Mining engineers			Petroleum engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.07	.05	.00	.00	.00	.00	.00	.00	.00
Beverages	.07	.05	.00	.00	.00	.00	.00	.00	.00
Apparel and textile products	.03	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.03	.01	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.00	.00	.00	.00	.00	.00	.15	.06	.00
Paperboard containers, boxes	.00	.00	.00	.00	.00	.00	.15	.06	.00
Chemicals and allied products	1.38	1.16	1.15	.52	.43	.49	.33	.17	.14
Industrial chemicals	1.14	.96	.93	.52	.43	.49	.25	.15	.14
Plastics and synthetics	.16	.15	.21	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.08	.05	.00	.00	.00	.00	.07	.02	.00
Petroleum and coal products	.61	.63	.42	.22	.11	.00	8.67	5.95	3.98
Petroleum refining	.42	.47	.42	.22	.11	.00	8.54	5.88	3.98
Misc petroleum, coal products	.19	.15	.00	.00	.00	.00	.13	.07	.00
Rubber, miscellaneous plastics	.06	.05	.00	.00	.00	.00	.00	.00	.00
Rubber	.06	.05	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.70	.71	.45	.56	.35	.00	2.49	1.55	1.07
Transportation, total	.28	.27	.26	.34	.20	.00	.95	.60	.37
Railroads and railway express	.11	.06	.00	.10	.05	.00	.20	.07	.00
Water transportation	.00	.00	.00	.24	.15	.00	.00	.00	.00
Air transportation	.16	.20	.26	.00	.00	.00	.00	.00	.00
Pipelines	.00	.00	.00	.00	.00	.00	.70	.51	.37
Transportation services	.00	.00	.00	.00	.00	.00	.05	.01	.00
Communicatns, utils, sanitary serv	.42	.44	.18	.22	.15	.00	1.53	.94	.70
Communications	.04	.02	.00	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.04	.02	.00	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.37	.41	.18	.22	.15	.00	1.53	.94	.70
Electric light and power	.20	.30	.18	.22	.15	.00	.00	.00	.00
Electric-gas utilities	.04	.02	.00	.00	.00	.00	.16	.08	.00
Gas steam supply systems	.12	.09	.00	.00	.00	.00	1.36	.86	.70
Wholesale and retail trade	1.74	1.92	1.85	1.66	1.68	2.04	3.27	2.38	1.62
Wholesale trade	1.74	1.92	1.85	1.66	1.68	2.04	3.27	2.38	1.62
Wholesale, exc misc whlsle trade	.85	.98	.70	.52	.38	.00	.60	.51	.59
Drugs, chemicals, allied product	.22	.20	.10	.00	.00	.00	.23	.15	.08
Food and related products	.07	.06	.00	.00	.00	.00	.00	.00	.00
Electrical goods	.06	.06	.00	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.49	.66	.59	.52	.38	.00	.36	.35	.51
Miscellaneous wholesale trade	.89	.93	1.15	1.14	1.30	2.04	2.67	1.87	1.02
Metals and minerals, other	.79	.84	1.05	.88	1.01	1.70	.00	.00	.00
Petroleum products	.00	.00	.00	.26	.28	.33	2.67	1.87	1.02
Lumber, construction materials	.10	.09	.09	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.32	.46	.34	.60	.45	.26
Finance, total	.00	.00	.00	.32	.46	.34	.49	.37	.26
Banking	.00	.00	.00	.00	.00	.00	.27	.15	.00
Credit agencies	.00	.00	.00	.00	.00	.00	.04	.02	.00
Stock brokers, investment cos	.00	.00	.00	.32	.46	.34	.17	.19	.26
Real estate	.00	.00	.00	.00	.00	.00	.11	.08	.00
Services, total	6.62	9.71	13.22	10.92	13.14	15.76	5.10	4.95	6.18
Miscellaneous business services	2.14	3.24	5.86	.16	.16	.00	.37	.41	.78
Business management services	.03	.02	.00	.00	.00	.00	.18	.16	.14
Commercial research, development	2.10	3.22	5.86	.16	.16	.00	.19	.25	.64

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Metallurgic engineers			Mining engineers			Petroleum engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.03	.01	.00	.00	.00	.00	.03	.01	.00
Hospitals	.03	.01	.00	.00	.00	.00	.03	.01	.00
Educational services	1.07	1.26	1.23	1.04	.70	.00	.30	.18	.00
Colleges and universities	1.07	1.26	1.23	1.04	.70	.00	.20	.10	.00
Other educational services	.00	.00	.00	.00	.00	.00	.10	.07	.00
Nonprofit organizations	.16	.27	.59	.00	.00	.00	.07	.04	.00
Nonprofit membership organiztns	.16	.27	.59	.00	.00	.00	.07	.04	.00
Other professional services	3.22	4.90	5.53	9.72	12.28	15.76	4.31	4.28	5.40
Engineering and architectural	1.82	2.73	2.87	9.60	12.16	15.76	4.20	4.18	5.20
Miscellaneous professional serv	1.40	2.16	2.65	.12	.11	.00	.11	.10	.19
Government, total	5.32	6.45	11.13	11.92	8.13	3.02	3.73	2.20	.87
Federal public administration	4.98	5.98	10.65	9.18	5.54	1.76	2.52	1.32	.55
Federal pub adm,exc post office	4.98	5.98	10.65	9.18	5.54	1.76	2.52	1.32	.55
State public administration	.34	.47	.47	2.48	2.36	1.25	.75	.58	.32
Local public administration	.00	.00	.00	.26	.21	.00	.45	.28	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales engineers			Other engineers			Life and physical scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.06	.06	.00	.25	.40	.39	2.03	2.65	3.04
Agriculture	.06	.06	.00	.14	.26	.35	1.55	1.82	2.34
Agricultural production	.00	.00	.00	.09	.22	.30	.57	.86	1.25
Services,except horticulture	.02	.02	.00	.02	.02	.02	.57	.47	.68
Horticultural services	.04	.04	.00	.01	.02	.02	.41	.49	.41
Forestry	.00	.00	.00	.11	.13	.04	.33	.58	.36
Fisheries	.00	.00	.00	.00	.00	.00	.14	.23	.33
Mining	1.14	1.75	2.14	.42	.54	.43	8.11	8.32	9.18
Metal	.02	.02	.02	.04	.04	.04	1.12	.80	.79
Coal	.00	.00	.00	.01	.02	.02	.12	.14	.21
Crude petroleum and natural gas	.98	1.58	1.94	.31	.43	.32	6.56	7.13	7.98
Nonmetallic mining and quarrying	.13	.15	.18	.04	.04	.03	.29	.23	.19
Construction	3.98	4.45	4.79	1.96	2.10	2.99	.93	.77	.90
General building contractors	.51	.50	.41	.18	.22	.29	.02	.03	.07
General contractors,exc building	.47	.45	.28	1.42	1.43	2.11	.90	.73	.83
Special trade contractors	2.99	3.50	4.09	.34	.44	.58	.00	.00	.00
Manufacturing	45.02	40.10	36.67	49.48	43.50	39.23	41.50	32.57	27.97
Durable goods	39.73	35.04	30.89	41.95	37.11	34.23	14.57	11.15	9.36
Ordnance	.15	.06	.02	5.30	2.51	1.77	1.02	.49	.48
Lumber and wood products	.23	.27	.49	.29	.27	.22	.09	.06	.04
Logging	.01	.00	.00	.02	.03	.03	.00	.00	.00
Sawmill,planing and mill work	.15	.22	.49	.20	.18	.13	.05	.02	.00
Miscellaneous wood products	.07	.05	.00	.06	.05	.05	.04	.03	.03
Furniture and fixtures	.28	.28	.40	.37	.34	.30	.03	.02	.02
Stone,clay,and glass products	1.52	1.47	1.46	1.58	1.36	.83	1.32	.96	.56
Glass and glass products	.13	.09	.00	.57	.48	.29	.31	.25	.20
Cement,concrete,plaster	.52	.53	.58	.42	.36	.20	.52	.36	.14
Structural clay products	.19	.17	.15	.04	.03	.01	.12	.07	.02
Pottery and related products	.08	.10	.17	.09	.08	.05	.04	.03	.04
Miscellaneous nonmetallic,stone	.59	.57	.55	.44	.40	.26	.31	.23	.14
Primary metal industries	2.73	2.42	2.59	1.07	.86	.69	3.82	2.71	2.16
Blast furnaces,steel works	.49	.37	.35	.41	.29	.19	1.88	1.20	.87
Other primary steel	1.11	1.02	1.25	.33	.27	.22	.67	.49	.39
Primary aluminum	.45	.44	.39	.10	.12	.15	.42	.36	.25
Other primary nonferrous	.68	.58	.59	.21	.17	.13	.83	.65	.64
Fabricated metal products	5.54	4.21	1.83	3.04	3.04	3.12	.89	.75	.68
Cutlery and other hardware	.19	.12	.02	.15	.15	.14	.06	.05	.02
Fabricated structural metal	2.54	2.03	.88	1.12	1.06	.86	.24	.21	.21
Screw machine products	.35	.19	.02	.15	.15	.18	.07	.05	.05
Metal stamping	.55	.28	.02	.37	.38	.49	.05	.04	.05
Miscellaneous fabricated metal	1.88	1.57	.88	1.23	1.28	1.43	.46	.38	.33
Machinery except electrical	14.05	12.97	11.15	12.25	12.35	12.73	1.40	1.23	1.30
Engines and turbines	.47	.23	.00	1.00	.99	.72	.12	.11	.10
Farm machinery and equipment	.19	.19	.20	.69	.65	.50	.05	.03	.02
Construction machines	1.87	1.80	1.19	2.01	2.05	1.60	.14	.13	.12
Metalworking machinery	3.28	2.95	2.30	1.29	1.35	1.68	.17	.15	.16
Office and accounting machines	.10	.05	.00	.66	.45	.37	.13	.07	.05
Electronic computing equipment	.56	.50	.80	2.49	2.75	3.60	.36	.35	.49
Other machinery,exc electrical	7.56	7.22	6.64	4.09	4.08	4.23	.41	.35	.32
Electrical machinery	9.39	8.22	8.44	7.69	6.99	6.98	2.12	1.74	1.52
Household appliances	.26	.16	.00	.31	.29	.35	.04	.03	.05
Radio, tv communications equip	1.60	.76	.71	3.15	2.68	2.87	.67	.52	.51
Other electrical machinery	7.52	7.29	7.73	4.21	4.02	3.74	1.39	1.18	.95
Transportation equipment	2.66	2.20	1.92	4.45	3.72	2.92	1.83	1.33	1.00
Motor vehicles and equipment	1.11	1.04	1.15	1.08	1.12	1.00	.38	.35	.33
Aircraft and parts	1.25	.92	.66	2.38	1.70	1.02	1.12	.78	.52
Ship,boat building and repair	.11	.10	.05	.58	.45	.39	.28	.14	.08
Railroad equipment	.13	.07	.00	.30	.31	.23	.02	.02	.03
Mobile dwellings	.04	.03	.03	.06	.07	.20	.00	.00	.01
Cycles,misc transportation	.01	.01	.01	.02	.04	.07	.00	.00	.01
Professional,scientific instrs	2.52	2.32	1.93	4.93	4.81	3.99	1.66	1.57	1.42
Scientific instruments	2.08	1.92	1.66	2.54	2.29	1.66	.39	.34	.26
Optical,health serv supplies	.30	.25	.05	.93	1.13	1.00	.41	.48	.43
Photo equipment and supplies	.08	.08	.10	1.33	1.28	1.26	.83	.72	.71
Watches and clock devices	.05	.05	.10	.12	.09	.06	.02	.01	.00
Miscellaneous manufacturing	.60	.57	.61	.94	.82	.63	.36	.25	.12
Nondurable goods	5.28	5.05	5.77	7.52	6.38	4.99	26.93	21.42	18.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales engineers			Other engineers			Life and physical scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.11	.07	.00	1.19	.96	.69	3.08	2.42	1.90
Meat	.02	.01	.00	.09	.08	.08	.17	.14	.09
Dairy	.00	.00	.00	.06	.03	.01	.15	.10	.07
Canning and preserving	.00	.00	.00	.25	.20	.11	.66	.57	.51
Grain mill	.02	.01	.00	.14	.12	.10	.51	.41	.29
Bakery	.00	.00	.00	.14	.12	.12	.09	.07	.10
Confectionery	.00	.00	.00	.07	.05	.03	.12	.08	.04
Beverages	.00	.00	.00	.14	.11	.08	.69	.51	.38
Miscellaneous food preparation	.06	.04	.00	.26	.21	.13	.67	.51	.39
Tobacco manufacturing	.00	.00	.00	.07	.05	.03	.23	.13	.08
Textile mill products	.19	.16	.18	.48	.39	.38	.73	.52	.53
Knitting mills	.00	.00	.00	.02	.02	.03	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.06	.04	.03	.20	.15	.14
Floor coverings	.00	.00	.00	.02	.02	.02	.04	.03	.04
Yarn and fabric mills	.15	.13	.18	.26	.21	.19	.37	.26	.26
Miscellaneous textile mill	.03	.02	.00	.10	.08	.09	.10	.07	.07
Apparel and textile products	.02	.03	.05	.21	.15	.06	.05	.04	.06
Apparel and accessories	.00	.00	.00	.12	.08	.02	.03	.03	.05
Miscellaneous fabricated textile	.02	.03	.05	.08	.07	.03	.02	.01	.00
Paper and allied products	.46	.37	.31	1.48	1.14	.89	1.02	.72	.56
Pulp,paper paperboard mills	.13	.12	.17	.76	.57	.51	.65	.44	.35
Paperboard containers,boxes	.19	.14	.14	.31	.22	.15	.05	.03	.02
Miscellaneous paper and pulp	.13	.09	.00	.39	.33	.22	.31	.24	.18
Printing and publishing	.15	.14	.16	.29	.22	.09	.12	.09	.06
Newspaper publishing, printing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other printing,exc newspapers	.15	.14	.16	.27	.21	.09	.12	.09	.06
Chemicals and allied products	2.01	1.73	2.32	1.49	1.20	1.17	18.13	14.77	13.64
Industrial chemicals	.79	.75	1.12	.52	.40	.42	6.63	4.90	4.75
Plastics and synthetics	.32	.26	.29	.21	.18	.21	1.27	.88	.81
Synthetic fibers	.00	.00	.00	.16	.14	.18	.63	.49	.56
Drugs and medicines	.01	.00	.00	.15	.14	.08	4.51	4.83	4.41
Soaps and cosmetics	.11	.12	.22	.15	.12	.09	1.39	1.10	.99
Paints and varnishes	.17	.16	.25	.04	.04	.03	1.45	1.08	.93
Agricultural chemicals	.04	.03	.01	.05	.04	.02	.81	.65	.41
Miscellaneous chemicals	.55	.37	.41	.18	.11	.09	1.43	.81	.75
Petroleum and coal products	.54	.50	.46	.37	.33	.22	2.02	1.52	.99
Petroleum refining	.31	.27	.16	.32	.28	.15	1.73	1.29	.80
Misc petroleum,coal products	.23	.23	.29	.04	.05	.07	.28	.23	.18
Rubber,miscellaneous plastics	1.67	1.97	2.25	1.83	1.86	1.40	1.43	1.10	.70
Rubber	.66	.62	.87	.96	.82	.78	1.02	.75	.62
Miscellaneous plastics	1.01	1.34	1.37	.87	1.03	.62	.41	.35	.08
Leather products	.09	.05	.01	.06	.04	.02	.08	.05	.03
Leather tanning and finishing	.00	.00	.00	.01	.00	.00	.04	.02	.01
Footwear, except rubber	.01	.00	.00	.03	.02	.01	.01	.00	.01
All other leather	.07	.04	.01	.01	.01	.00	.02	.01	.01
Transportation, other public util	2.42	2.28	2.28	4.01	3.70	3.21	1.66	1.70	1.47
Transportation,total	.11	.10	.00	.75	.62	.53	.22	.24	.24
Railroads and railway express	.00	.00	.00	.18	.11	.04	.06	.04	.02
Local and interurban transit	.00	.00	.00	.06	.04	.13	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.06	.04	.13	.00	.00	.00
Trucking and warehousing	.09	.07	.00	.11	.09	.02	.01	.01	.00
Trucking services	.08	.06	.00	.09	.08	.02	.01	.00	.00
Warehousing and storage	.01	.00	.00	.01	.01	.00	.00	.00	.00
Water transportation	.00	.00	.00	.11	.07	.05	.00	.00	.00
Air transportation	.00	.00	.00	.14	.14	.14	.12	.16	.18
Pipelines	.00	.00	.00	.07	.06	.03	.01	.01	.01
Transportation services	.01	.01	.00	.06	.08	.08	.00	.00	.00
Communicatns,utils,sanitary serv	2.30	2.18	2.28	3.26	3.08	2.67	1.43	1.46	1.23
Communications	.13	.09	.00	1.24	1.13	.88	.18	.24	.20
Telephone(wire and radio)	.07	.05	.00	1.01	.90	.69	.07	.07	.06
Telegraph,misc communicatn serv	.02	.01	.00	.09	.09	.04	.00	.01	.00
Radio and tv broadcasting	.02	.01	.00	.13	.13	.14	.10	.16	.13
Utilities and sanitary services	2.16	2.09	2.28	2.01	1.95	1.78	1.24	1.21	1.03
Electric light and power	.98	.99	.84	.45	.54	.45	.23	.31	.21
Electric-gas utilities	.64	.57	.66	.76	.68	.66	.12	.12	.16
Gas steam supply systems	.49	.45	.59	.48	.41	.35	.12	.08	.09
Water supply	.03	.05	.19	.16	.16	.16	.44	.39	.32
Sanitary services	.01	.01	.00	.13	.13	.13	.29	.28	.23
Other utilities	.00	.00	.00	.01	.01	.01	.01	.01	.00
Wholesale and retail trade	43.92	47.23	49.15	6.22	6.63	5.97	2.75	2.65	2.21
Wholesale trade	41.49	44.87	47.78	5.29	5.54	4.55	2.49	2.27	1.95

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales engineers			Other engineers			Life and physical scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	35.67	39.69	43.62	4.48	4.80	3.90	1.46	1.34	1.01
Motor vehicles and equipment	1.00	1.02	.78	.20	.22	.19	.03	.03	.02
Drugs,chemicals,allied product	1.11	1.12	1.29	.25	.22	.12	.84	.73	.56
Dry goods and apparel	.09	.07	.06	.01	.01	.00	.00	.00	.00
Food and related products	.11	.12	.14	.10	.08	.05	.19	.19	.17
Farm products-raw materials	.04	.05	.03	.01	.01	.00	.05	.06	.03
Electrical goods	10.20	9.97	10.39	1.05	.96	.71	.08	.06	.04
Hardware and plumbing	4.09	4.33	4.50	.16	.17	.15	.01	.01	.01
Machinery equipment,supplies	19.00	22.96	26.39	2.67	3.10	2.64	.25	.24	.15
Miscellaneous wholesale trade	5.82	5.17	4.16	.80	.74	.64	1.02	.92	.93
Metals and minerals, other	1.63	1.25	.65	.16	.16	.21	.16	.13	.15
Petroleum products	.88	.90	.84	.22	.19	.07	.33	.28	.32
Scrap and waste material	.05	.05	.01	.01	.01	.00	.02	.03	.03
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.01	.01	.02
Paper and paper products	.20	.17	.22	.05	.04	.06	.03	.02	.02
Lumber,construction materials	.82	.76	.88	.07	.07	.09	.03	.02	.02
Other wholesale trade	2.22	2.03	1.55	.26	.25	.19	.41	.41	.35
Retail trade	2.42	2.36	1.36	.93	1.09	1.42	.26	.38	.26
Building materials	1.08	1.10	.75	.07	.06	.03	.00	.00	.00
Lumber,building material	.90	.98	.70	.05	.04	.01	.00	.00	.00
Hardware and farm equipment	.17	.11	.04	.02	.01	.01	.00	.00	.00
General merchandise,total	.07	.05	.00	.21	.24	.45	.01	.01	.03
Department stores,mail order	.04	.03	.00	.12	.16	.30	.00	.00	.00
Limited price stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Vending machine operators	.00	.00	.00	.03	.03	.07	.00	.00	.00
Direct selling	.01	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.02	.01	.00	.02	.02	.07	.01	.01	.03
Food and dairy stores	.00	.00	.00	.07	.12	.27	.02	.02	.01
Grocery stores	.00	.00	.00	.07	.12	.27	.00	.00	.00
Food stores,other	.00	.00	.00	.00	.00	.00	.01	.01	.01
Auto dealers,gas stations	.23	.20	.10	.13	.18	.22	.00	.00	.00
Motor vehicle dealers	.14	.10	.00	.02	.03	.04	.00	.00	.00
Tire,battery,accessory dealrs	.05	.06	.07	.02	.04	.05	.00	.00	.00
Gasoline service stations	.00	.00	.00	.07	.09	.10	.00	.00	.00
Miscellaneous vehicle dealers	.03	.03	.03	.00	.01	.02	.00	.00	.00
Furniture and appliance stores	.25	.22	.00	.07	.08	.05	.00	.00	.00
Household appliances,tv,radio	.25	.22	.00	.07	.08	.05	.00	.00	.00
Eating and drinking places	.00	.00	.00	.07	.07	.00	.00	.07	.00
Miscellaneous retail trade	.77	.77	.50	.29	.31	.38	.22	.26	.21
Drug stores	.00	.00	.00	.15	.13	.09	.02	.03	.05
Farm,garden supply stores	.09	.08	.02	.00	.01	.00	.08	.12	.12
Fuel and ice dealers	.16	.16	.24	.02	.01	.00	.00	.00	.00
Retail florists	.00	.00	.00	.00	.00	.00	.10	.10	.03
Misc retail trade stores	.52	.52	.24	.10	.16	.28	.00	.00	.00
Finance,insurance and real estate	.10	.09	.08	.71	.69	.82	.12	.13	.10
Finance,total	.04	.05	.08	.22	.28	.55	.08	.08	.06
Banking	.00	.00	.00	.11	.15	.37	.01	.01	.00
Credit agencies	.00	.00	.00	.04	.07	.13	.03	.04	.04
Stock brokers,investment cos	.04	.05	.08	.05	.05	.04	.02	.02	.02
Insurance	.05	.03	.00	.29	.19	.06	.00	.00	.00
Real estate	.00	.00	.00	.19	.22	.21	.04	.04	.03
Services, total	3.34	4.00	4.85	22.57	29.55	33.03	27.53	35.89	38.80

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales engineers			Other engineers			Life and physical scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.02	.02	.00	.00	.00	.00
Hotels and motels	.00	.00	.00	.02	.02	.00	.00	.00	.00
Miscellaneous business services	1.78	1.59	1.08	4.29	5.64	8.19	3.74	4.18	4.65
Advertising	.01	.00	.00	.04	.03	.02	.04	.03	.01
Business management services	1.04	.69	.08	.61	.80	1.44	.10	.09	.14
Commercial research,development	.14	.13	.00	2.06	2.50	3.02	3.24	3.65	4.08
Computer programing	.10	.18	.59	.84	1.10	1.91	.09	.08	.08
Detective and protective serv	.10	.15	.25	.06	.09	.10	.00	.01	.00
Other business services	.37	.41	.15	.67	1.09	1.67	.25	.30	.31
Other repair services	.00	.00	.00	.12	.11	.21	.01	.01	.01
Electrical repair	.00	.00	.00	.12	.11	.21	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.00	.00	.00	.00	.01	.01
Motion pictures and theaters	.00	.00	.00	.09	.06	.11	.03	.01	.02
Miscellaneous entertainment	.00	.00	.00	.03	.08	.16	.00	.00	.00
Other entertainment	.00	.00	.00	.03	.08	.16	.00	.00	.00
Medical and other health service	.00	.00	.00	1.04	1.22	1.39	7.71	12.75	16.60
Offices of physicians	.00	.00	.00	.00	.00	.00	.16	.22	.20
Offices of dentists	.00	.00	.00	.00	.00	.00	.00	.00	.06
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.00	.00	.01
Hospitals	.00	.00	.00	.74	.73	.62	4.85	6.86	10.40
Convalescent institutions	.00	.00	.00	.02	.04	.30	.01	.02	.00
Other health services	.00	.00	.00	.28	.44	.46	2.66	5.64	5.91
Legal services	.00	.00	.00	.07	.02	.09	.00	.00	.00
Educational services	.00	.00	.00	1.50	1.61	1.65	7.78	8.44	6.92
Elementary and secondary school	.00	.00	.00	.14	.10	.00	.00	.00	.00
Colleges and universities	.00	.00	.00	1.29	1.42	1.52	7.78	8.44	6.92
Libraries	.00	.00	.00	.01	.02	.07	.00	.00	.00
Other educational services	.00	.00	.00	.05	.06	.05	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.01	.01	.02	.21	.34	.35
Nonprofit organizations	.09	.17	.52	.45	.49	.49	.15	.17	.17
Nonprofit membership organiztns	.09	.17	.52	.45	.49	.49	.15	.17	.17
Private households	.00	.00	.00	.00	.00	.00	.02	.03	.05
Other professional services	1.46	2.24	3.24	14.90	20.24	20.69	7.85	9.91	9.98
Engineering and architectural	1.42	2.18	3.15	12.30	16.75	16.32	.64	.78	1.03
Accounting and auditing	.00	.00	.00	.62	.68	.49	.00	.00	.00
Miscellaneous professional serv	.04	.05	.09	1.98	2.80	3.86	7.20	9.12	8.94
Government,total	.00	.00	.00	14.34	12.84	13.89	15.33	15.28	16.29
Federal public administration	.00	.00	.00	11.87	10.06	9.82	12.16	11.35	10.80
Postal services	.00	.00	.00	.10	.14	.15	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	11.76	9.92	9.67	12.16	11.35	10.80
State public administration	.00	.00	.00	.91	1.08	2.64	2.54	3.16	2.51
Local public administration	.00	.00	.00	1.55	1.70	1.42	.62	.75	2.97

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Agri-cultural scientists			Atmospheric and space scientists			Biological scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	24.02	26.26	28.99	.73	1.31	.95	2.94	2.86	3.06
Agriculture	20.43	21.09	24.22	.00	.00	.00	1.50	1.19	1.77
Agricultural production	7.57	9.40	11.70	.00	.00	.00	.37	.61	1.13
Services,except horticulture	6.43	4.87	7.06	.00	.00	.00	1.07	.52	.59
Horticultural services	6.42	6.81	5.45	.00	.00	.00	.04	.06	.04
Forestry	2.64	3.65	2.55	.73	1.31	.95	.85	1.08	.55
Fisheries	.94	1.51	2.21	.00	.00	.00	.59	.57	.73
Mining	.11	.09	.06	.00	.00	.00	.02	.05	.09
Crude petroleum and natural gas	.03	.02	.00	.00	.00	.00	.02	.05	.09
Nonmetallic mining and quarrying	.08	.06	.06	.00	.00	.00	.00	.00	.00
Construction	1.75	1.49	1.40	.15	.08	.00	.32	.38	.70
General building contractors	.04	.02	.00	.00	.00	.00	.13	.16	.31
General contractors,exc building	1.70	1.47	1.40	.15	.08	.00	.19	.21	.38
Manufacturing	5.12	3.89	2.45	8.96	7.96	8.72	16.11	13.89	12.85
Durable goods	.31	.17	.00	8.46	7.51	8.17	2.02	1.69	1.80
Ordnance	.05	.02	.00	1.71	1.02	1.28	.20	.07	.05
Lumber and wood products	.06	.03	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.06	.03	.00	.00	.00	.00	.00	.00	.00
Primary metal industries	.04	.02	.00	.76	.63	.47	.06	.05	.04
Blast furnaces,steel works	.04	.02	.00	.25	.12	.00	.00	.00	.00
Other primary steel	.00	.00	.00	.36	.33	.34	.00	.00	.00
Primary aluminum	.00	.00	.00	.15	.16	.13	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.06	.05	.04
Fabricated metal products	.00	.00	.00	.48	.64	1.19	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.13	.15	.20	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.35	.48	.99	.00	.00	.00
Machinery except electrical	.04	.03	.00	.40	.29	.00	.09	.13	.37
Farm machinery and equipment	.04	.03	.00	.00	.00	.00	.00	.00	.00
Metalworking machinery	.00	.00	.00	.30	.20	.00	.00	.00	.00
Office and accounting machines	.00	.00	.00	.00	.00	.00	.03	.02	.02
Electronic computing equipment	.00	.00	.00	.10	.08	.00	.01	.02	.09
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.04	.08	.25
Electrical machinery	.00	.00	.00	1.35	1.60	2.52	.62	.49	.50
Radio, tv communications equip	.00	.00	.00	.50	.55	.87	.35	.23	.14
Other electrical machinery	.00	.00	.00	.85	1.05	1.65	.26	.25	.35
Transportation equipment	.00	.00	.00	2.36	1.93	1.41	.24	.15	.07
Motor vehicles and equipment	.00	.00	.00	.10	.08	.00	.00	.00	.00
Aircraft and parts	.00	.00	.00	2.26	1.85	1.41	.24	.15	.07
Professional,scientific instrs	.00	.00	.00	1.30	1.32	1.27	.63	.65	.55
Scientific instruments	.00	.00	.00	1.01	1.13	1.27	.12	.10	.05
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.42	.46	.40
Photo equipment and supplies	.00	.00	.00	.11	.08	.00	.09	.08	.09
Watches and clock devices	.00	.00	.00	.16	.09	.00	.00	.00	.00
Miscellaneous manufacturing	.10	.06	.00	.08	.05	.00	.15	.14	.19
Nondurable goods	4.80	3.72	2.45	.50	.45	.55	14.09	12.20	11.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Agri-cultural scientists			Atmospheric and space scientists			Biological scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.92	1.54	1.31	.11	.13	.18	2.46	1.88	1.63
Meat	.10	.05	.00	.00	.00	.00	.24	.19	.14
Dairy	.26	.18	.18	.00	.00	.00	.23	.13	.07
Canning and preserving	1.32	1.11	.98	.00	.00	.00	.74	.62	.67
Grain mill	.23	.19	.15	.00	.00	.00	.36	.28	.20
Confectionery	.00	.00	.00	.00	.00	.00	.07	.05	.05
Beverages	.00	.00	.00	.00	.00	.00	.46	.35	.32
Miscellaneous food preparation	.00	.00	.00	.11	.13	.18	.32	.24	.16
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.10	.06	.04
Textile mill products	.15	.08	.00	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.15	.08	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.00	.00	.00	.00	.00	.00	.14	.12	.15
Pulp, paper paperboard mills	.00	.00	.00	.00	.00	.00	.14	.12	.15
Printing and publishing	.06	.04	.00	.00	.00	.00	.06	.08	.15
Newspaper publishing, printing	.03	.02	.00	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.03	.02	.00	.00	.00	.00	.06	.08	.15
Chemicals and allied products	2.46	1.91	1.14	.28	.26	.36	11.16	9.93	8.91
Industrial chemicals	.56	.47	.57	.28	.26	.36	1.68	1.09	.75
Plastics and synthetics	.10	.06	.06	.00	.00	.00	.11	.07	.04
Synthetic fibers	.26	.16	.00	.00	.00	.00	.02	.02	.06
Drugs and medicines	.17	.16	.10	.00	.00	.00	8.35	7.99	7.48
Soaps and cosmetics	.06	.04	.00	.00	.00	.00	.54	.41	.29
Paints and varnishes	.00	.00	.00	.00	.00	.00	.03	.03	.05
Agricultural chemicals	1.23	.98	.40	.00	.00	.00	.30	.23	.14
Miscellaneous chemicals	.06	.02	.00	.00	.00	.00	.10	.06	.07
Petroleum and coal products	.15	.09	.00	.10	.05	.00	.07	.04	.01
Petroleum refining	.15	.09	.00	.10	.05	.00	.07	.04	.01
Rubber, miscellaneous plastics	.05	.03	.00	.00	.00	.00	.06	.06	.12
Rubber	.05	.03	.00	.00	.00	.00	.06	.06	.12
Transportation, other public util	.36	.47	.07	7.38	7.47	7.59	1.04	1.04	1.08
Transportation, total	.05	.04	.07	3.46	3.41	4.24	.00	.00	.00
Trucking and warehousing	.05	.04	.07	.00	.00	.00	.00	.00	.00
Warehousing and storage	.05	.04	.07	.00	.00	.00	.00	.00	.00
Air transportation	.00	.00	.00	3.46	3.41	4.24	.00	.00	.00
Communicatns, utils, sanitary serv	.30	.43	.00	3.91	4.05	3.35	1.04	1.04	1.08
Communications	.00	.00	.00	3.91	4.05	3.35	.00	.00	.00
Telephone (wire and radio)	.00	.00	.00	.45	.31	.00	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	3.46	3.74	3.35	.00	.00	.00
Utilities and sanitary services	.30	.43	.00	.00	.00	.00	1.04	1.04	1.08
Electric light and power	.30	.42	.00	.00	.00	.00	.07	.15	.07
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.07	.05	.03
Water supply	.00	.00	.00	.00	.00	.00	.46	.42	.46
Sanitary services	.00	.00	.00	.00	.00	.00	.42	.41	.50
Wholesale and retail trade	8.55	8.04	5.77	.00	.00	.00	1.64	1.79	1.28
Wholesale trade	5.37	4.90	3.76	.00	.00	.00	1.29	1.13	.94
Wholesale, exc misc whlsle trade	1.06	1.16	1.31	.00	.00	.00	1.06	.92	.71
Drugs, chemicals, allied product	.23	.23	.37	.00	.00	.00	.61	.49	.30
Food and related products	.29	.36	.74	.00	.00	.00	.29	.25	.19
Farm products-raw materials	.38	.45	.20	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.15	.11	.00	.00	.00	.00	.14	.17	.22
Miscellaneous wholesale trade	4.30	3.74	2.44	.00	.00	.00	.22	.21	.23
Petroleum products	.00	.00	.00	.00	.00	.00	.04	.06	.14
Other wholesale trade	4.30	3.74	2.44	.00	.00	.00	.18	.14	.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Agri-cultural scientists			Atmospheric and space scientists			Biological scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	3.17	3.13	2.01	.00	.00	.00	.35	.65	.34
Food and dairy stores	.24	.20	.08	.00	.00	.00	.03	.03	.03
Grocery stores	.10	.07	.00	.00	.00	.00	.00	.00	.00
Food stores, other	.13	.12	.08	.00	.00	.00	.03	.03	.03
Eating and drinking places	.00	.00	.00	.00	.00	.00	.04	.34	.00
Miscellaneous retail trade	2.93	2.93	1.93	.00	.00	.00	.27	.27	.31
Drug stores	.00	.00	.00	.00	.00	.00	.15	.14	.22
Farm, garden supply stores	1.08	1.39	1.43	.00	.00	.00	.12	.13	.08
Retail florists	1.73	1.43	.49	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.10	.10	.00	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	.93	.86	.00	.00	.00	.00	.00	.00	.00
Finance, total	.64	.62	.00	.00	.00	.00	.00	.00	.00
Banking	.27	.21	.00	.00	.00	.00	.00	.00	.00
Credit agencies	.36	.41	.00	.00	.00	.00	.00	.00	.00
Real estate	.29	.23	.00	.00	.00	.00	.00	.00	.00
Services, total	22.64	23.53	20.32	17.68	26.36	35.50	56.37	61.73	61.56
Miscellaneous business services	2.08	2.20	3.08	1.85	2.64	4.77	1.78	1.84	1.55
Business management services	.50	.39	.35	.00	.00	.00	.00	.00	.00
Commercial research, development	1.43	1.71	2.72	1.85	2.64	4.77	1.78	1.84	1.55
Other business services	.14	.10	.00	.00	.00	.00	.00	.00	.00
Other repair services	.00	.00	.00	.15	.08	.00	.03	.04	.05
Electrical repair	.00	.00	.00	.15	.08	.00	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.03	.04	.05
Medical and other health service	1.02	.89	.00	.00	.00	.00	32.65	39.71	45.45
Offices of physicians	.00	.00	.00	.00	.00	.00	.82	.72	.63
Hospitals	.64	.50	.00	.00	.00	.00	20.13	21.21	30.58
Convalescent institutions	.07	.07	.00	.00	.00	.00	.07	.07	.00
Other health practitioners	.00	.00	.00	.00	.00	.00	.02	.02	.00
Other health services	.30	.31	.00	.00	.00	.00	11.60	17.67	14.21
Educational services	16.99	17.38	14.09	3.50	4.30	4.95	15.25	13.59	9.64
Colleges and universities	16.99	17.38	14.09	3.50	4.30	4.95	15.25	13.59	9.64
Museums, art galleries, zoos	.31	.40	.48	.00	.00	.00	.95	1.14	1.02
Nonprofit organizations	.92	1.00	1.12	.11	.09	.00	.17	.14	.09
Religious organizations	.00	.00	.00	.00	.00	.00	.01	.01	.00
Nonprofit membership organiztns	.92	1.00	1.12	.11	.09	.00	.15	.13	.09
Private households	.29	.44	.68	.00	.00	.00	.00	.00	.00
Other professional services	1.00	1.20	.85	12.06	19.24	25.77	5.49	5.24	3.73
Miscellaneous professional serv	1.00	1.20	.85	12.06	19.24	25.77	5.49	5.24	3.73
Government, total	36.48	35.34	40.90	65.08	56.79	47.23	21.52	18.23	19.35
Federal public administration	24.51	21.81	28.04	63.51	54.70	44.48	12.75	9.99	10.20
Federal pub adm, exc post office	24.51	21.81	28.04	63.51	54.70	44.48	12.75	9.99	10.20
State public administration	7.63	8.67	7.98	1.23	1.79	2.75	7.81	7.29	3.74
Local public administration	4.33	4.85	4.87	.33	.29	.00	.95	.93	5.40

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Chemists			Geologists			Marine scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.15	.23	.36	.00	.00	.00	.20	.17	.00
Agriculture	.12	.18	.34	.00	.00	.00	.00	.00	.00
Agricultural production	.09	.15	.28	.00	.00	.00	.00	.00	.00
Services,except horticulture	.03	.03	.05	.00	.00	.00	.00	.00	.00
Forestry	.03	.04	.02	.00	.00	.00	.00	.00	.00
Fisheries	.00	.00	.00	.00	.00	.00	.20	.17	.00
Mining	2.46	3.08	2.83	58.08	62.01	62.33	.83	1.63	2.69
Metal	.95	.87	.71	5.39	3.86	3.84	.00	.00	.00
Coal	.19	.27	.35	.22	.25	.47	.00	.00	.00
Crude petroleum and natural gas	1.02	1.64	1.59	51.28	56.94	57.09	.83	1.63	2.69
Nonmetallic mining and quarrying	.29	.28	.17	1.18	.95	.92	.00	.00	.00
Construction	.49	.46	.41	3.52	2.49	2.94	4.56	3.76	3.19
General contractors,exc building	.49	.46	.41	3.52	2.49	2.94	4.56	3.76	3.19
Manufacturing	65.62	59.28	50.70	5.18	3.65	3.03	5.33	3.24	1.90
Durable goods	21.07	18.96	15.50	1.55	1.14	1.26	4.76	2.86	1.39
Ordnance	.84	.48	.55	.00	.00	.00	.60	.50	1.14
Lumber and wood products	.17	.14	.10	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.08	.06	.01	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.09	.08	.08	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.05	.05	.05	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	2.23	1.91	.95	.58	.47	.60	.23	.17	.25
Glass and glass products	.47	.45	.34	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.92	.75	.27	.25	.18	.19	.00	.00	.00
Structural clay products	.21	.15	.05	.06	.04	.03	.00	.00	.00
Pottery and related products	.08	.08	.06	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.53	.47	.21	.27	.24	.36	.23	.17	.25
Primary metal industries	6.91	5.88	4.69	.73	.47	.42	.50	.21	.00
Blast furnaces,steel works	3.47	2.66	1.90	.21	.15	.22	.00	.00	.00
Other primary steel	1.25	1.09	.87	.00	.00	.00	.23	.09	.00
Primary aluminum	.75	.76	.54	.08	.05	.03	.00	.00	.00
Other primary nonferrous	1.42	1.35	1.36	.42	.26	.17	.26	.11	.00
Fabricated metal products	1.51	1.46	1.17	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.11	.10	.04	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.31	.27	.14	.00	.00	.00	.00	.00	.00
Screw machine products	.13	.13	.12	.00	.00	.00	.00	.00	.00
Metal stamping	.10	.11	.11	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.84	.84	.73	.00	.00	.00	.00	.00	.00
Machinery except electrical	2.03	2.10	2.16	.00	.00	.00	.70	.46	.00
Engines and turbines	.19	.22	.20	.00	.00	.00	.23	.15	.00
Farm machinery and equipment	.09	.08	.05	.00	.00	.00	.00	.00	.00
Construction machines	.24	.27	.28	.00	.00	.00	.23	.15	.00
Metalworking machinery	.30	.33	.39	.00	.00	.00	.00	.00	.00
Office and accounting machines	.18	.12	.09	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.34	.39	.57	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.67	.67	.57	.00	.00	.00	.23	.15	.00
Electrical machinery	2.21	2.09	1.77	.00	.00	.00	1.76	1.01	.00
Household appliances	.08	.08	.11	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	.54	.49	.54	.00	.00	.00	.70	.34	.00
Other electrical machinery	1.57	1.51	1.12	.00	.00	.00	1.06	.67	.00
Transportation equipment	2.39	2.07	1.67	.00	.00	.00	.80	.40	.00
Motor vehicles and equipment	.67	.75	.71	.00	.00	.00	.00	.00	.00
Aircraft and parts	1.33	1.05	.76	.00	.00	.00	.80	.40	.00
Ship,boat building and repair	.31	.16	.07	.00	.00	.00	.00	.00	.00
Railroad equipment	.04	.06	.06	.00	.00	.00	.00	.00	.00
Mobile dwellings	.01	.01	.03	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.01	.02	.03	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	2.11	2.27	2.18	.24	.19	.23	.00	.00	.00
Scientific instruments	.32	.32	.26	.21	.16	.17	.00	.00	.00
Optical,health serv supplies	.44	.58	.55	.02	.03	.06	.00	.00	.00
Photo equipment and supplies	1.30	1.34	1.35	.00	.00	.00	.00	.00	.00
Watches and clock devices	.03	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.58	.45	.17	.00	.00	.00	.16	.09	.00
Nondurable goods	44.54	40.32	35.20	3.62	2.51	1.76	.56	.38	.50

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Chemists			Geologists			Marine scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	4.96	4.33	3.29	.00	.00	.00	.00	.00	.00
Meat	.25	.22	.15	.00	.00	.00	.00	.00	.00
Dairy	.19	.14	.10	.00	.00	.00	.00	.00	.00
Canning and preserving	.90	.81	.66	.00	.00	.00	.00	.00	.00
Grain mill	.85	.76	.54	.00	.00	.00	.00	.00	.00
Bakery	.17	.18	.23	.00	.00	.00	.00	.00	.00
Confectionery	.22	.16	.08	.00	.00	.00	.00	.00	.00
Beverages	1.19	.99	.72	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	1.17	1.04	.80	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.40	.27	.15	.00	.00	.00	.00	.00	.00
Textile mill products	1.35	1.18	1.21	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.37	.34	.34	.00	.00	.00	.00	.00	.00
Floor coverings	.07	.06	.07	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.69	.59	.61	.00	.00	.00	.00	.00	.00
Miscellaneous textile mill	.20	.17	.18	.00	.00	.00	.00	.00	.00
Apparel and textile products	.10	.11	.14	.00	.00	.00	.00	.00	.00
Apparel and accessories	.05	.07	.12	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.04	.04	.02	.00	.00	.00	.00	.00	.00
Paper and allied products	1.90	1.60	1.22	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	1.19	.95	.73	.00	.00	.00	.00	.00	.00
Paperboard containers,boxes	.10	.08	.06	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.59	.56	.43	.00	.00	.00	.00	.00	.00
Printing and publishing	.21	.17	.06	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.21	.17	.06	.00	.00	.00	.00	.00	.00
Chemicals and allied products	29.92	27.39	25.74	.14	.09	.10	.30	.26	.50
Industrial chemicals	11.13	9.80	9.82	.00	.00	.00	.00	.00	.00
Plastics and synthetics	2.27	1.89	1.79	.07	.03	.01	.00	.00	.00
Synthetic fibers	1.10	1.02	1.18	.00	.00	.00	.30	.26	.50
Drugs and medicines	6.23	6.88	6.18	.03	.03	.05	.00	.00	.00
Soaps and cosmetics	2.49	2.31	2.13	.00	.00	.00	.00	.00	.00
Paints and varnishes	2.73	2.45	2.11	.02	.02	.04	.00	.00	.00
Agricultural chemicals	1.29	1.21	.80	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	2.65	1.80	1.69	.00	.00	.00	.00	.00	.00
Petroleum and coal products	2.90	2.71	1.75	3.48	2.41	1.65	.00	.00	.00
Petroleum refining	2.38	2.20	1.34	3.40	2.35	1.60	.00	.00	.00
Misc petroleum,coal products	.51	.51	.41	.08	.06	.05	.00	.00	.00
Rubber,miscellaneous plastics	2.60	2.40	1.52	.00	.00	.00	.26	.11	.00
Rubber	1.85	1.63	1.34	.00	.00	.00	.26	.11	.00
Miscellaneous plastics	.74	.76	.18	.00	.00	.00	.00	.00	.00
Leather products	.16	.12	.08	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.09	.06	.03	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.03	.02	.01	.00	.00	.00	.00	.00	.00
All other leather	.03	.03	.03	.00	.00	.00	.00	.00	.00
Transportation, other public util	1.84	1.87	1.44	1.47	1.28	1.41	4.49	3.99	2.71
Transportation,total	.18	.14	.07	.22	.19	.13	.00	.00	.00
Railroads and railway express	.08	.06	.04	.16	.15	.08	.00	.00	.00
Local and interurban transit	.01	.00	.00	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.02	.01	.00	.00	.00	.00	.00	.00	.00
Trucking services	.02	.01	.00	.00	.00	.00	.00	.00	.00
Air transportation	.04	.03	.02	.00	.00	.00	.00	.00	.00
Pipelines	.01	.01	.01	.05	.04	.05	.00	.00	.00
Communicatns,utils,sanitary serv	1.65	1.72	1.36	1.25	1.09	1.27	4.49	3.99	2.71
Communications	.05	.06	.09	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.05	.06	.09	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.60	1.66	1.27	1.25	1.09	1.27	4.49	3.99	2.71
Electric light and power	.27	.39	.33	.17	.27	.24	1.03	1.03	.00
Electric-gas utilities	.16	.16	.21	.12	.13	.28	1.33	1.26	1.58
Gas steam supply systems	.07	.06	.03	.76	.54	.63	.00	.00	.00
Water supply	.62	.59	.42	.18	.13	.11	1.66	1.38	1.04
Sanitary services	.45	.43	.26	.00	.00	.00	.00	.00	.00
Other utilities	.01	.01	.00	.00	.00	.00	.46	.30	.07
Wholesale and retail trade	3.20	3.31	2.71	2.28	1.98	2.45	.00	.00	.00
Wholesale trade	3.17	3.27	2.63	2.28	1.98	2.45	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Chemists			Geologists			Marine scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	2.26	2.32	1.68	.19	.13	.11	.00	.00	.00
Motor vehicles and equipment	.06	.06	.06	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	1.37	1.35	1.04	.19	.13	.11	.00	.00	.00
Food and related products	.24	.24	.18	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.05	.07	.04	.00	.00	.00	.00	.00	.00
Electrical goods	.08	.08	.07	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.02	.02	.02	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.41	.46	.24	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.91	.95	.95	2.08	1.84	2.34	.00	.00	.00
Metals and minerals, other	.28	.28	.32	.14	.10	.09	.00	.00	.00
Petroleum products	.23	.21	.10	1.80	1.61	1.97	.00	.00	.00
Scrap and waste material	.04	.07	.07	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.02	.03	.05	.00	.00	.00	.00	.00	.00
Paper and paper products	.06	.05	.06	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.06	.06	.06	.00	.00	.00	.00	.00	.00
Other wholesale trade	.19	.22	.28	.13	.13	.27	.00	.00	.00
Retail trade	.02	.03	.07	.00	.00	.00	.00	.00	.00
General merchandise,total	.02	.03	.07	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.02	.03	.07	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.02	.04	.10	.42	.41	.46	.43	.32	.00
Finance,total	.02	.04	.10	.24	.18	.16	.00	.00	.00
Credit agencies	.02	.04	.10	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.24	.18	.16	.00	.00	.00
Real estate	.00	.00	.00	.18	.23	.30	.43	.32	.00
Services, total	19.12	25.24	32.55	18.32	20.08	18.76	35.35	47.02	45.77
Miscellaneous business services	4.13	5.15	5.22	1.15	1.23	2.43	.60	.86	2.09
Advertising	.08	.07	.03	.00	.00	.00	.00	.00	.00
Business management services	.05	.06	.12	.09	.06	.08	.00	.00	.00
Commercial research,development	3.54	4.37	4.45	.65	.72	1.63	.60	.86	2.09
Computer programing	.05	.06	.06	.25	.22	.22	.00	.00	.00
Detective and protective serv	.01	.02	.01	.00	.00	.00	.00	.00	.00
Other business services	.38	.56	.52	.15	.21	.48	.00	.00	.00
Automobile services	.00	.00	.00	.00	.00	.00	.10	.05	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.10	.05	.00
Motion pictures and theaters	.06	.04	.06	.00	.00	.00	.00	.00	.00
Medical and other health service	5.12	7.95	12.83	.08	.22	.58	.46	.36	.00
Offices of physicians	.10	.13	.14	.00	.00	.00	.00	.00	.00
Hospitals	3.31	4.26	7.24	.00	.00	.00	.46	.36	.00
Other health services	1.69	3.54	5.45	.08	.22	.58	.00	.00	.00
Educational services	4.76	5.31	5.11	3.01	2.26	1.56	8.43	8.01	7.76
Colleges and universities	4.76	5.31	5.11	3.01	2.26	1.56	8.43	8.01	7.76
Museums,art galleries,zoos	.03	.04	.06	.22	.24	.28	.96	.98	1.38
Nonprofit organizations	.08	.08	.06	.13	.11	.12	.23	.15	.00
Nonprofit membership organiztns	.08	.08	.06	.13	.11	.12	.23	.15	.00
Private households	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other professional services	4.91	6.61	9.18	13.70	15.99	13.76	24.55	36.58	34.54
Engineering and architectural	.44	.77	1.19	2.60	2.94	3.56	.00	.00	.00
Miscellaneous professional serv	4.46	5.84	7.99	11.10	13.04	10.20	24.55	36.58	34.54
Government,total	7.06	6.45	8.85	10.69	8.04	8.59	48.78	39.81	43.71
Federal public administration	5.74	4.99	4.35	7.58	5.23	6.17	45.15	35.89	39.31
Federal pub adm,exc post office	5.74	4.99	4.35	7.58	5.23	6.17	45.15	35.89	39.31
State public administration	.98	1.07	1.29	2.93	2.69	2.41	2.69	3.21	4.39
Local public administration	.33	.39	3.21	.17	.11	.00	.93	.71	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Physicists and astronomers			Other life, physical scientists			Mathematical specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.79	1.07	.43	.29	.28	.11
Agriculture	.00	.00	.00	.00	.00	.00	.08	.04	.05
Services,except horticulture	.00	.00	.00	.00	.00	.00	.08	.04	.05
Forestry	.00	.00	.00	.79	1.07	.43	.17	.20	.06
Fisheries	.00	.00	.00	.00	.00	.00	.03	.03	.00
Mining	.57	.94	1.09	.00	.00	.00	.58	.76	.46
Metal	.00	.00	.00	.00	.00	.00	.01	.01	.01
Coal	.00	.00	.00	.00	.00	.00	.01	.00	.00
Crude petroleum and natural gas	.57	.94	1.09	.00	.00	.00	.52	.71	.43
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.03	.02	.01
Construction	.35	.37	.49	.00	.00	.00	1.24	1.09	1.16
General building contractors	.00	.00	.00	.00	.00	.00	.02	.01	.00
General contractors,exc building	.35	.37	.49	.00	.00	.00	1.21	1.07	1.16
Manufacturing	30.66	25.62	26.34	33.26	25.98	23.35	20.28	15.80	13.65
Durable goods	24.77	20.68	21.05	17.18	14.25	17.15	14.71	11.49	10.62
Ordnance	4.49	2.20	2.05	3.19	1.49	.93	2.36	1.09	.88
Lumber and wood products	.00	.00	.00	.00	.00	.00	.12	.07	.00
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.12	.07	.00
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.04	.02	.00
Stone,clay,and glass products	.71	.69	.95	.79	.73	.66	.41	.30	.16
Glass and glass products	.58	.58	.70	.79	.73	.66	.13	.09	.02
Cement,concrete,plaster	.13	.10	.05	.00	.00	.00	.19	.15	.09
Structural clay products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Pottery and related products	.00	.00	.18	.00	.00	.00	.01	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.05	.05	.04
Primary metal industries	.55	.53	.69	.00	.00	.00	.96	.79	.74
Blast furnaces,steel works	.21	.19	.29	.00	.00	.00	.50	.38	.35
Other primary steel	.00	.00	.00	.00	.00	.00	.07	.06	.05
Primary aluminum	.13	.12	.09	.00	.00	.00	.17	.16	.16
Other primary nonferrous	.20	.21	.30	.00	.00	.00	.20	.17	.16
Fabricated metal products	.66	.77	1.27	1.74	2.11	3.66	.50	.51	.65
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.13	.12	.14
Fabricated structural metal	.48	.58	1.02	1.74	2.11	3.66	.14	.14	.14
Screw machine products	.00	.00	.00	.00	.00	.00	.02	.01	.01
Metal stamping	.00	.00	.00	.00	.00	.00	.06	.06	.11
Miscellaneous fabricated metal	.17	.18	.25	.00	.00	.00	.14	.15	.23
Machinery except electrical	2.79	2.75	3.33	.79	1.30	3.86	1.70	1.73	2.29
Engines and turbines	.14	.17	.25	.00	.00	.00	.08	.09	.12
Farm machinery and equipment	.00	.00	.08	.00	.00	.00	.05	.04	.02
Construction machines	.15	.15	.10	.00	.00	.00	.13	.14	.17
Metalworking machinery	.00	.00	.00	.00	.00	.00	.11	.11	.16
Office and accounting machines	.27	.16	.09	.00	.00	.00	.21	.12	.08
Electronic computing equipment	1.70	1.81	2.53	.79	1.30	3.86	.77	.88	1.22
Other machinery,exc electrical	.51	.45	.25	.00	.00	.00	.33	.33	.50
Electrical machinery	7.68	6.81	6.73	2.49	2.38	3.49	2.78	2.33	2.48
Household appliances	.00	.00	.08	.00	.00	.00	.10	.09	.13
Radio, tv communications equip	2.88	2.24	2.40	2.49	2.38	3.49	1.45	1.05	1.06
Other electrical machinery	4.80	4.56	4.25	.00	.00	.00	1.22	1.17	1.28
Transportation equipment	4.03	2.96	2.37	4.89	3.92	3.69	4.81	3.76	2.66
Motor vehicles and equipment	.24	.28	.32	.00	.00	.00	1.38	1.29	.98
Aircraft and parts	2.83	2.04	1.24	2.39	2.38	2.99	3.22	2.35	1.55
Ship,boat building and repair	.95	.64	.64	2.49	1.53	.70	.15	.09	.11
Railroad equipment	.00	.00	.08	.00	.00	.00	.03	.03	.01
Cycles,misc transportation	.00	.00	.08	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	3.58	3.73	3.53	3.24	2.30	.83	.81	.72	.68
Scientific instruments	1.15	1.05	.80	3.24	2.30	.83	.31	.23	.10
Optical,health serv supplies	1.13	1.40	1.32	.00	.00	.00	.08	.11	.19
Photo equipment and supplies	1.29	1.27	1.40	.00	.00	.00	.37	.36	.38
Watches and clock devices	.00	.00	.00	.00	.00	.00	.03	.01	.00
Miscellaneous manufacturing	.26	.20	.10	.00	.00	.00	.17	.12	.05
Nondurable goods	5.89	4.93	5.28	16.08	11.72	6.19	5.56	4.30	3.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Physicists and astronomers			Other life, physical scientists			Mathematical specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.07	.00	.00	.00	.66	.47	.35
Meat	.00	.00	.00	.00	.00	.00	.09	.07	.05
Canning and preserving	.00	.00	.00	.00	.00	.00	.06	.05	.05
Grain mill	.00	.00	.07	.00	.00	.00	.00	.00	.00
Confectionery	.00	.00	.00	.00	.00	.00	.05	.02	.00
Beverages	.00	.00	.00	.00	.00	.00	.26	.18	.10
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.18	.14	.14
Tobacco manufacturing	.00	.00	.11	.00	.00	.00	.00	.00	.00
Textile mill products	.00	.00	.09	.94	.69	.53	.07	.04	.01
Floor coverings	.00	.00	.09	.94	.69	.53	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.05	.03	.00
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.01	.00	.01
Apparel and textile products	.00	.00	.00	.00	.00	.00	.07	.04	.00
Apparel and accessories	.00	.00	.00	.00	.00	.00	.07	.04	.00
Paper and allied products	.00	.00	.00	.00	.00	.00	.57	.40	.27
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.35	.20	.08
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.06	.03	.00
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.15	.16	.19
Printing and publishing	.00	.00	.00	.00	.00	.00	1.18	.83	.37
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.33	.23	.11
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.85	.59	.26
Chemicals and allied products	5.13	4.24	4.54	11.63	8.22	4.16	2.19	1.82	1.53
Industrial chemicals	4.21	3.41	3.31	6.19	4.18	2.73	.79	.64	.63
Plastics and synthetics	.26	.20	.20	2.04	1.30	.50	.13	.09	.10
Synthetic fibers	.21	.21	.41	.00	.00	.00	.08	.07	.09
Drugs and medicines	.13	.19	.37	3.39	2.72	.93	.69	.66	.44
Soaps and cosmetics	.00	.00	.07	.00	.00	.00	.19	.14	.12
Paints and varnishes	.03	.03	.06	.00	.00	.00	.09	.05	.00
Agricultural chemicals	.11	.07	.02	.00	.00	.00	.05	.03	.01
Miscellaneous chemicals	.14	.09	.08	.00	.00	.00	.15	.10	.13
Petroleum and coal products	.44	.38	.22	2.04	1.61	.63	.58	.48	.23
Petroleum refining	.44	.38	.22	2.04	1.61	.63	.58	.48	.23
Rubber,miscellaneous plastics	.31	.30	.17	1.44	1.19	.86	.20	.20	.23
Rubber	.14	.11	.07	1.44	1.19	.86	.15	.11	.09
Miscellaneous plastics	.17	.19	.09	.00	.00	.00	.05	.08	.13
Leather products	.00	.00	.06	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.06	.00	.00	.00	.00	.00	.00
Transportation, other public util	.71	.78	.90	.00	.00	.00	5.43	4.29	2.86
Transportation,total	.00	.00	.18	.00	.00	.00	2.01	1.39	.91
Railroads and railway express	.00	.00	.00	.00	.00	.00	.87	.42	.28
Local and interurban transit	.00	.00	.00	.00	.00	.00	.05	.03	.00
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.05	.03	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.23	.23	.21
Trucking services	.00	.00	.00	.00	.00	.00	.21	.21	.19
Warehousing and storage	.00	.00	.00	.00	.00	.00	.02	.01	.01
Water transportation	.00	.00	.09	.00	.00	.00	.15	.10	.00
Air transportation	.00	.00	.00	.00	.00	.00	.60	.50	.32
Pipelines	.00	.00	.00	.00	.00	.00	.03	.03	.03
Transportation services	.00	.00	.09	.00	.00	.00	.05	.06	.06
Communicatns,utils,sanitary serv	.71	.78	.72	.00	.00	.00	3.42	2.89	1.95
Communications	.45	.45	.39	.00	.00	.00	1.68	1.32	.73
Telephone(wire and radio)	.36	.34	.34	.00	.00	.00	1.48	1.17	.73
Telegraph,misc communicatn serv	.09	.10	.04	.00	.00	.00	.10	.07	.00
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.08	.06	.00
Utilities and sanitary services	.26	.33	.33	.00	.00	.00	1.74	1.57	1.21
Electric light and power	.26	.33	.32	.00	.00	.00	.59	.67	.41
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.57	.44	.41
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.40	.29	.25
Water supply	.00	.00	.00	.00	.00	.00	.07	.04	.00
Sanitary services	.00	.00	.00	.00	.00	.00	.10	.10	.13
Wholesale and retail trade	.36	.32	.20	.00	.00	.00	3.85	3.62	3.57
Wholesale trade	.36	.32	.20	.00	.00	.00	2.06	2.00	1.85

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Physicists and astronomers			Other life, physical scientists			Mathematical specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.36	.32	.20	.00	.00	.00	1.24	1.21	.97
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.26	.24	.19
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.04	.04	.03
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.05	.03	.02
Food and related products	.00	.00	.00	.00	.00	.00	.15	.14	.16
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.02	.02	.00
Electrical goods	.36	.32	.20	.00	.00	.00	.17	.17	.27
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.02	.01	.00
Machinery equipment,supplies	.00	.00	.00	.00	.00	.00	.51	.52	.27
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	.82	.79	.88
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.24	.21	.29
Petroleum products	.00	.00	.00	.00	.00	.00	.30	.30	.27
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.08	.10	.12
Paper and paper products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.04	.03	.02
Other wholesale trade	.00	.00	.00	.00	.00	.00	.11	.11	.15
Retail trade	.00	.00	.00	.00	.00	.00	1.79	1.62	1.72
Building materials	.00	.00	.00	.00	.00	.00	.01	.00	.00
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.01	.00	.00
General merchandise,total	.00	.00	.00	.00	.00	.00	1.20	1.17	1.52
Department stores,mail order	.00	.00	.00	.00	.00	.00	.96	.99	1.31
Limited price stores	.00	.00	.00	.00	.00	.00	.05	.02	.00
Direct selling	.00	.00	.00	.00	.00	.00	.08	.07	.00
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.09	.07	.20
Food and dairy stores	.00	.00	.00	.00	.00	.00	.15	.09	.00
Grocery stores	.00	.00	.00	.00	.00	.00	.14	.09	.00
Food stores,cther	.00	.00	.00	.00	.00	.00	.01	.00	.00
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.15	.10	.00
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.04	.02	.00
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.01	.00	.00
Gasoline service stations	.00	.00	.00	.00	.00	.00	.10	.06	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.10	.07	.00
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.07	.05	.00
Shoe stores	.00	.00	.00	.00	.00	.00	.03	.02	.00
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.03	.02	.00
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.03	.02	.00
Eating and drinking places	.00	.00	.00	.00	.00	.00	.05	.05	.00
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	.07	.09	.19
Drug stores	.00	.00	.00	.00	.00	.00	.07	.09	.19
Finance,insurance and real estate	.00	.00	.00	.00	.00	.00	19.17	22.06	21.29
Finance,total	.00	.00	.00	.00	.00	.00	2.48	2.38	3.62
Banking	.00	.00	.00	.00	.00	.00	1.11	1.17	2.12
Credit agencies	.00	.00	.00	.00	.00	.00	.23	.30	.65
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	1.13	.92	.84
Insurance	.00	.00	.00	.00	.00	.00	16.43	19.41	17.40
Real estate	.00	.00	.00	.00	.00	.00	.25	.26	.26
Services, total	44.46	53.22	55.18	50.20	59.80	64.02	21.93	27.98	35.73

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Physicists and astronomers			Other life, physical scientists			Mathematical specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.08	.06	.00
Hotels and motels	.00	.00	.00	.00	.00	.00	.08	.06	.00
Other personal services	.00	.00	.00	.00	.00	.00	.03	.04	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.01	.01	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.02	.02	.00
Miscellaneous business services	7.65	9.63	13.58	21.87	26.71	29.78	4.59	6.16	9.33
Advertising	.00	.00	.00	.00	.00	.00	.35	.25	.16
Business management services	.27	.30	.55	.69	.88	1.39	1.74	2.30	3.38
Commercial research, development	7.14	9.04	12.70	17.63	21.29	24.15	1.71	2.73	5.06
Computer programing	.23	.27	.31	1.09	1.07	.79	.77	.86	.72
Other business services	.00	.00	.00	2.44	3.45	3.43	.00	.00	.00
Other repair services	.00	.00	.00	.00	.00	.00	.02	.00	.00
Electrical repair	.00	.00	.00	.00	.00	.00	.02	.00	.00
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.05	.02	.00
Medical and other health service	3.40	4.01	8.81	2.09	2.84	6.49	3.30	4.27	7.87
Offices of physicians	.00	.00	.00	.00	.00	.00	.09	.11	.43
Offices of dentists	.00	.00	.91	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.00	.00	.19	.00	.00	.00	.00	.00	.00
Hospitals	2.40	2.84	4.78	.00	.00	.00	1.54	1.86	4.11
Convalescent institutions	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other health services	.99	1.16	2.92	2.09	2.84	6.49	1.64	2.28	3.32
Educational services	14.01	13.69	11.31	7.84	9.53	12.09	4.07	4.25	4.34
Colleges and universities	14.01	13.69	11.31	7.84	9.53	12.09	3.54	3.52	3.33
Other educational services	.00	.00	.00	.00	.00	.00	.52	.72	1.01
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.01	.01	.03
Nonprofit organizations	.09	.15	.36	.00	.00	.00	2.10	2.16	2.56
Religious organizations	.00	.00	.00	.00	.00	.00	.10	.12	.18
Welfare services	.00	.00	.00	.00	.00	.00	1.17	1.26	1.76
Nonprofit membership organiztns	.09	.15	.36	.00	.00	.00	.82	.77	.61
Other professional services	19.30	25.73	21.10	18.38	20.71	15.65	7.64	10.96	11.58
Engineering and architectural	.80	1.01	.75	2.59	3.26	2.06	.62	.94	.91
Accounting and auditing	.00	.00	.00	.00	.00	.00	.28	.39	.43
Miscellaneous professional serv	18.49	24.71	20.34	15.78	17.44	13.59	6.73	9.61	10.23
Government, total	22.85	18.72	15.77	15.73	13.14	12.19	27.17	24.09	21.13
Federal public administration	22.61	18.43	15.48	14.83	12.37	12.19	22.54	19.35	18.10
Federal pub adm, exc post office	22.61	18.43	15.48	14.83	12.37	12.19	22.54	19.35	18.10
State public administration	.23	.28	.28	.89	.76	.00	3.75	4.02	2.83
Local public administration	.00	.00	.00	.00	.00	.00	.87	.71	.19

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Actuaries			Math- ematicians			Stat- isticians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.06	.04	.00	.45	.50	.20
Agriculture	.00	.00	.00	.00	.00	.00	.13	.07	.09
Services,except horticulture	.00	.00	.00	.00	.00	.00	.13	.07	.09
Forestry	.00	.00	.00	.06	.04	.00	.26	.36	.10
Fisheries	.00	.00	.00	.00	.00	.00	.05	.06	.00
Mining	.00	.00	.00	1.00	1.46	1.07	.56	.74	.42
Metal	.00	.00	.00	.00	.00	.00	.02	.02	.02
Coal	.00	.00	.00	.00	.00	.00	.01	.01	.00
Crude petroleum and natural gas	.00	.00	.00	1.00	1.46	1.07	.46	.65	.37
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.05	.04	.02
Construction	.00	.00	.00	1.20	1.11	.84	1.56	1.50	1.72
General building contractors	.00	.00	.00	.00	.00	.00	.04	.02	.00
General contractors,exc building	.00	.00	.00	1.20	1.11	.84	1.51	1.47	1.72
Manufacturing	1.58	1.30	.85	21.82	16.54	13.45	24.15	21.14	18.62
Durable goods	.58	.32	.00	18.49	13.82	11.61	16.64	14.81	14.33
Ordnance	.00	.00	.00	4.37	1.82	.84	2.15	1.19	1.23
Lumber and wood products	.00	.00	.00	.11	.06	.00	.16	.11	.00
Sawmill,planing and mill work	.00	.00	.00	.11	.06	.00	.16	.11	.00
Furniture and fixtures	.00	.00	.00	.08	.05	.00	.03	.02	.00
Stone,clay,and glass products	.26	.15	.00	.11	.06	.00	.57	.47	.29
Glass and glass products	.12	.07	.00	.00	.00	.00	.19	.13	.03
Cement,concrete,plaster	.14	.07	.00	.11	.06	.00	.24	.22	.16
Structural clay products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Pottery and related products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.09	.09	.08
Primary metal industries	.12	.04	.00	1.10	.95	.83	1.11	1.00	1.00
Blast furnaces,steel works	.12	.04	.00	.45	.47	.61	.61	.48	.40
Other primary steel	.00	.00	.00	.00	.00	.00	.12	.11	.10
Primary aluminum	.00	.00	.00	.32	.24	.08	.15	.19	.25
Other primary nonferrous	.00	.00	.00	.32	.24	.13	.21	.20	.24
Fabricated metal products	.10	.06	.00	.00	.00	.00	.80	.91	1.14
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.21	.23	.25
Fabricated structural metal	.10	.06	.00	.00	.00	.00	.21	.23	.24
Screw machine products	.00	.00	.00	.00	.00	.00	.03	.03	.03
Metal stamping	.00	.00	.00	.00	.00	.00	.10	.12	.20
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.22	.28	.40
Machinery except electrical	.10	.05	.00	2.27	2.25	2.50	1.87	2.15	3.09
Engines and turbines	.00	.00	.00	.00	.00	.00	.13	.17	.21
Farm machinery and equipment	.10	.05	.00	.00	.00	.00	.05	.05	.03
Construction machines	.00	.00	.00	.00	.00	.00	.22	.26	.29
Metalworking machinery	.00	.00	.00	.00	.00	.00	.18	.20	.28
Office and accounting machines	.00	.00	.00	.21	.09	.00	.26	.19	.15
Electronic computing equipment	.00	.00	.00	1.62	1.87	2.50	.63	.77	1.22
Other machinery,exc electrical	.00	.00	.00	.43	.28	.00	.37	.49	.87
Electrical machinery	.00	.00	.00	3.90	2.87	2.30	3.02	2.99	3.49
Household appliances	.00	.00	.00	.00	.00	.00	.17	.17	.23
Radio, tv communications equip	.00	.00	.00	2.23	1.36	1.26	1.50	1.33	1.39
Other electrical machinery	.00	.00	.00	1.66	1.50	1.03	1.35	1.49	1.86
Transportation equipment	.00	.00	.00	5.32	4.77	4.40	5.76	4.78	3.05
Motor vehicles and equipment	.00	.00	.00	.90	.86	.54	1.90	1.98	1.51
Aircraft and parts	.00	.00	.00	4.03	3.64	3.46	3.68	2.70	1.44
Ship,boat building and repair	.00	.00	.00	.31	.20	.35	.13	.07	.07
Railroad equipment	.00	.00	.00	.07	.06	.03	.03	.02	.01
Professional,scientific instrs	.00	.00	.00	1.05	.84	.72	.91	.95	.92
Scientific instruments	.00	.00	.00	.82	.51	.00	.20	.20	.18
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.13	.21	.33
Photo equipment and supplies	.00	.00	.00	.22	.33	.72	.52	.51	.41
Watches and clock devices	.00	.00	.00	.00	.00	.00	.05	.03	.00
Miscellaneous manufacturing	.00	.00	.00	.15	.09	.00	.22	.18	.09
Nondurable goods	1.00	.97	.85	3.33	2.72	1.84	7.50	6.32	4.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Actuaries			Math- ematicians			Stat- isticians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.11	.05	.00	1.02	.85	.62
Meat	.00	.00	.00	.11	.05	.00	.11	.10	.09
Canning and preserving	.00	.00	.00	.00	.00	.00	.11	.09	.08
Confectionery	.00	.00	.00	.00	.00	.00	.08	.05	.01
Beverages	.00	.00	.00	.00	.00	.00	.42	.33	.18
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.29	.26	.24
Textile mill products	.10	.05	.00	.00	.00	.00	.09	.05	.02
Yarn and fabric mills	.10	.05	.00	.00	.00	.00	.07	.04	.00
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.01	.01	.02
Apparel and textile products	.00	.00	.00	.00	.00	.00	.12	.07	.00
Apparel and accessories	.00	.00	.00	.00	.00	.00	.12	.07	.00
Paper and allied products	.26	.28	.26	.12	.07	.00	.82	.59	.37
Pulp, paper paperboard mills	.00	.00	.00	.00	.00	.00	.58	.37	.14
Paperboard containers, boxes	.00	.00	.00	.00	.00	.00	.11	.06	.00
Miscellaneous paper and pulp	.26	.28	.26	.12	.07	.00	.13	.15	.23
Printing and publishing	.10	.06	.00	.00	.00	.00	1.90	1.50	.65
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.53	.43	.19
Other printing, exc newspapers	.10	.06	.00	.00	.00	.00	1.36	1.07	.45
Chemicals and allied products	.38	.38	.45	2.11	1.70	1.32	2.65	2.43	2.03
Industrial chemicals	.38	.38	.45	1.12	.79	.57	.76	.67	.72
Plastics and synthetics	.00	.00	.00	.12	.06	.00	.16	.15	.18
Synthetic fibers	.00	.00	.00	.10	.11	.23	.09	.08	.07
Drugs and medicines	.00	.00	.00	.31	.46	.38	1.00	1.00	.64
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.31	.27	.20
Paints and varnishes	.00	.00	.00	.17	.10	.00	.08	.05	.00
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.09	.07	.01
Miscellaneous chemicals	.00	.00	.00	.27	.15	.13	.13	.11	.18
Petroleum and coal products	.16	.17	.13	.98	.88	.51	.52	.43	.17
Petroleum refining	.16	.17	.13	.98	.88	.51	.52	.43	.17
Rubber, miscellaneous plastics	.00	.00	.00	.00	.00	.00	.33	.37	.40
Rubber	.00	.00	.00	.00	.00	.00	.24	.21	.17
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.09	.16	.23
Transportation, other public util	.36	.16	.00	1.53	1.54	.86	8.13	7.14	4.68
Transportation, total	.36	.16	.00	.20	.13	.00	3.10	2.45	1.59
Railroads and railway express	.24	.10	.00	.00	.00	.00	1.35	.75	.49
Local and interurban transit	.12	.06	.00	.00	.00	.00	.05	.03	.00
Street railways and bus lines	.12	.06	.00	.00	.00	.00	.05	.03	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.38	.42	.37
Trucking services	.00	.00	.00	.00	.00	.00	.34	.39	.34
Warehousing and storage	.00	.00	.00	.00	.00	.00	.03	.03	.02
Water transportation	.00	.00	.00	.00	.00	.00	.25	.19	.00
Air transportation	.00	.00	.00	.20	.13	.00	.90	.86	.56
Pipelines	.00	.00	.00	.00	.00	.00	.06	.06	.05
Transportation services	.00	.00	.00	.00	.00	.00	.09	.12	.11
Communicatns, utils, sanitary serv	.00	.00	.00	1.33	1.41	.86	5.02	4.69	3.09
Communications	.00	.00	.00	.65	.70	.86	2.47	2.11	.96
Telephone (wire and radio)	.00	.00	.00	.56	.63	.86	2.18	1.88	.96
Telegraph, misc communicatn serv	.00	.00	.00	.08	.06	.00	.14	.11	.00
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.14	.11	.00
Utilities and sanitary services	.00	.00	.00	.68	.71	.00	2.55	2.57	2.12
Electric light and power	.00	.00	.00	.37	.53	.00	.81	1.00	.72
Electric-gas utilities	.00	.00	.00	.10	.05	.00	.88	.80	.72
Gas steam supply systems	.00	.00	.00	.21	.11	.00	.57	.49	.44
Water supply	.00	.00	.00	.00	.00	.00	.11	.08	.00
Sanitary services	.00	.00	.00	.00	.00	.00	.16	.18	.24
Wholesale and retail trade	.00	.00	.00	1.55	1.75	1.54	5.65	5.88	5.68
Wholesale trade	.00	.00	.00	1.47	1.70	1.54	2.78	2.92	2.68

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Actuaries			Math- ematicians			Stat- isticians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	1.23	1.29	.77	1.54	1.64	1.41
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.42	.45	.34
Drugs,chemicals,allied product	.00	.00	.00	.17	.18	.18	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.08	.07	.04
Food and related products	.00	.00	.00	.00	.00	.00	.25	.26	.28
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.04	.04	.00
Electrical goods	.00	.00	.00	.00	.00	.00	.27	.33	.47
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.03	.02	.00
Machinery equipment,supplies	.00	.00	.00	1.06	1.11	.59	.42	.46	.26
Miscellaneous wholesale trade	.00	.00	.00	.23	.40	.76	1.23	1.27	1.27
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.40	.40	.52
Petroleum products	.00	.00	.00	.23	.40	.76	.40	.38	.20
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.14	.19	.21
Paper and paper products	.00	.00	.00	.00	.00	.00	.04	.02	.00
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.06	.06	.05
Other wholesale trade	.00	.00	.00	.00	.00	.00	.18	.21	.27
Retail trade	.00	.00	.00	.07	.04	.00	2.87	2.96	3.00
Building materials	.00	.00	.00	.00	.00	.00	.02	.01	.00
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.02	.01	.00
General merchandise,total	.00	.00	.00	.00	.00	.00	1.94	2.16	2.65
Department stores,mail order	.00	.00	.00	.00	.00	.00	1.56	1.83	2.29
Limited price stores	.00	.00	.00	.00	.00	.00	.09	.05	.00
Direct selling	.00	.00	.00	.00	.00	.00	.14	.13	.00
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.14	.14	.36
Food and dairy stores	.00	.00	.00	.07	.04	.00	.21	.16	.00
Grocery stores	.00	.00	.00	.07	.04	.00	.20	.14	.00
Food stores,other	.00	.00	.00	.00	.00	.00	.01	.01	.00
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.25	.18	.00
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.06	.04	.00
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.01	.01	.00
Gasoline service stations	.00	.00	.00	.00	.00	.00	.16	.12	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.17	.13	.00
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.11	.09	.00
Shoe stores	.00	.00	.00	.00	.00	.00	.05	.03	.00
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.05	.04	.00
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.05	.04	.00
Eating and drinking places	.00	.00	.00	.00	.00	.00	.09	.09	.00
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	.11	.16	.34
Drug stores	.00	.00	.00	.00	.00	.00	.11	.16	.34
Finance,insurance and real estate	71.90	68.73	62.00	7.52	6.85	4.70	11.06	10.68	11.74
Finance,total	.42	.25	.00	.33	.25	.00	3.79	4.19	6.32
Banking	.42	.25	.00	.33	.25	.00	1.57	1.94	3.71
Credit agencies	.00	.00	.00	.00	.00	.00	.38	.55	1.14
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	1.83	1.69	1.47
Insurance	71.48	68.47	62.00	7.18	6.60	4.70	6.85	6.00	4.94
Real estate	.00	.00	.00	.00	.00	.00	.41	.49	.46
Services, total	23.52	27.40	36.21	27.01	33.59	34.17	19.62	25.68	36.11

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Actuaries			Math- ematicians			Stat- isticians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.13	.12	.00
Hotels and motels	.00	.00	.00	.00	.00	.00	.13	.12	.00
Other personal services	.00	.00	.00	.10	.11	.00	.01	.02	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.01	.02	.00
Misc personal services	.00	.00	.00	.10	.11	.00	.00	.00	.00
Miscellaneous business services	1.10	1.90	3.07	8.70	12.25	21.01	3.86	5.07	7.48
Advertising	.00	.00	.00	.00	.00	.00	.57	.47	.28
Business management services	1.10	1.90	3.07	1.28	1.25	.46	2.07	2.94	4.55
Commercial research,development	.00	.00	.00	5.10	8.50	18.48	.83	1.19	2.12
Computer programing	.00	.00	.00	2.31	2.50	2.06	.38	.46	.52
Automobile services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other repair services	.00	.00	.00	.00	.00	.00	.03	.01	.00
Electrical repair	.00	.00	.00	.00	.00	.00	.03	.01	.00
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.08	.04	.00
Medical and other health service	.76	.58	1.97	.92	.76	.00	4.81	7.30	12.98
Offices of physicians	.66	.52	1.97	.00	.00	.00	.00	.00	.00
Hospitals	.10	.06	.00	.27	.18	.00	2.37	3.32	7.19
Convalescent institutions	.00	.00	.00	.00	.00	.00	.03	.03	.00
Other health services	.00	.00	.00	.65	.58	.00	2.41	3.95	5.79
Educational services	.08	.04	.00	4.38	4.69	4.70	4.90	5.70	5.88
Colleges and universities	.08	.04	.00	4.13	4.25	3.87	4.14	4.56	4.41
Other educational services	.00	.00	.00	.25	.44	.83	.74	1.13	1.46
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.01	.03	.05
Nonprofit organizations	.10	.06	.00	.46	.62	.00	3.21	3.68	4.46
Religious organizations	.00	.00	.00	.00	.00	.00	.17	.23	.31
Welfare services	.00	.00	.00	.30	.51	.00	1.78	2.10	3.08
Nonprofit membership organiztns	.10	.06	.00	.16	.11	.00	1.25	1.34	1.07
Other professional services	21.48	24.80	31.16	12.43	15.13	8.45	2.52	3.66	5.22
Engineering and architectural	.00	.00	.00	1.92	2.74	1.94	.27	.50	.88
Accounting and auditing	.00	.00	.00	.31	.51	.57	.34	.50	.55
Miscellaneous professional serv	21.48	24.80	31.16	10.20	11.88	5.92	1.90	2.65	3.79
Government,total	2.64	2.40	.92	38.28	37.08	43.34	28.78	26.70	20.79
Federal public administration	.00	.00	.00	37.68	36.17	41.88	22.15	19.31	16.40
Federal pub adm,exc post office	.00	.00	.00	37.68	36.17	41.88	22.15	19.31	16.40
State public administration	1.82	1.86	.92	.60	.90	1.46	5.41	6.27	4.06
Local public administration	.82	.53	.00	.00	.00	.00	1.22	1.11	.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science technicians			Agricultrl, biological, exc health			Chemical technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.68	.99	1.00	9.34	12.81	15.27	.03	.05	.03
Agriculture	.51	.72	.80	9.00	12.40	14.93	.01	.01	.01
Agricultural production.	.13	.22	.25	2.45	3.84	4.82	.00	.00	.00
Services,except horticulture	.30	.41	.48	6.48	8.47	10.08	.01	.01	.01
Horticultural services	.07	.09	.06	.06	.08	.03	.00	.00	.00
Forestry	.15	.24	.16	.17	.24	.13	.00	.00	.00
Fisheries	.01	.02	.03	.15	.17	.20	.01	.03	.01
Mining	1.48	1.97	1.90	.13	.15	.14	2.52	3.60	3.45
Metal	.18	.16	.18	.04	.04	.05	.17	.15	.08
Coal	.07	.10	.16	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.07	1.54	1.45	.06	.09	.07	2.11	3.20	3.19
Nonmetallic mining and quarrying	.15	.14	.10	.01	.01	.01	.23	.25	.17
Construction	7.09	6.12	6.53	4.18	3.40	2.46	2.67	2.48	2.80
General building contractors	.55	.50	.56	.00	.00	.00	.00	.00	.00
General contractors,exc building	5.75	4.76	4.98	4.18	3.40	2.46	2.67	2.48	2.80
Special trade contractors	.78	.85	.97	.00	.00	.00	.00	.00	.00
Manufacturing	52.91	47.75	45.27	55.95	51.72	50.43	77.02	72.62	71.49
Durable goods	37.04	33.30	31.28	1.32	1.23	1.62	9.71	9.67	9.23
Ordnance	1.60	.83	.70	.31	.20	.32	.45	.28	.36
Lumber and wood products	.26	.23	.26	.00	.00	.00	.06	.05	.03
Sawmill,planing and mill work	.18	.17	.19	.00	.00	.00	.06	.05	.03
Miscellaneous wood products	.06	.05	.06	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.32	.30	.41	.00	.00	.00	.04	.06	.13
Stone,clay,and glass products	1.33	1.23	.95	.05	.04	.04	3.20	3.15	2.17
Glass and glass products	.33	.31	.28	.00	.00	.00	.12	.11	.08
Cement,concrete,plaster	.47	.43	.32	.00	.00	.00	2.78	2.75	1.93
Structural clay products	.08	.06	.03	.03	.02	.01	.00	.00	.00
Pottery and related products	.07	.07	.06	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.36	.33	.24	.01	.02	.03	.27	.27	.14
Primary metal industries	2.61	2.19	2.04	.00	.00	.00	1.12	.93	.69
Blast furnaces,steel works	1.11	.86	.74	.00	.00	.00	.56	.38	.15
Other primary steel	.59	.50	.57	.00	.00	.00	.17	.13	.05
Primary aluminum	.34	.33	.27	.00	.00	.00	.10	.11	.11
Other primary nonferrous	.56	.49	.44	.00	.00	.00	.28	.30	.36
Fabricated metal products	3.09	2.70	2.40	.00	.00	.00	.37	.42	.46
Cutlery and other hardware	.20	.19	.17	.00	.00	.00	.02	.02	.01
Fabricated structural metal	1.60	1.38	1.28	.00	.00	.00	.10	.09	.04
Screw machine products	.13	.12	.09	.00	.00	.00	.02	.02	.00
Metal stamping	.26	.22	.20	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.87	.78	.65	.00	.00	.00	.22	.28	.39
Machinery except electrical	7.28	7.19	8.12	.21	.21	.27	.83	1.02	1.60
Engines and turbines	.44	.43	.37	.00	.00	.00	.03	.03	.02
Farm machinery and equipment	.25	.24	.27	.04	.03	.07	.03	.03	.02
Construction machines	1.01	.99	1.00	.00	.00	.00	.12	.18	.31
Metalworking machinery	1.02	.93	1.02	.00	.00	.00	.08	.10	.13
Office and accounting machines	.38	.28	.22	.00	.00	.00	.08	.05	.01
Electronic computing equipment	1.65	1.97	2.82	.00	.00	.00	.16	.21	.38
Other machinery,exc electrical	2.51	2.32	2.40	.17	.17	.20	.31	.41	.69
Electrical machinery	11.04	10.28	9.56	.00	.00	.00	1.33	1.30	1.16
Household appliances	.35	.30	.29	.00	.00	.00	.09	.09	.10
Radio, tv communications equip	4.36	3.82	3.97	.00	.00	.00	.42	.40	.46
Other electrical machinery	6.33	6.16	5.29	.00	.00	.00	.81	.80	.58
Transportation equipment	6.38	5.16	3.80	.25	.20	.18	.90	.83	.81
Motor vehicles and equipment	1.64	1.60	1.26	.00	.00	.00	.27	.29	.31
Aircraft and parts	3.60	2.69	1.71	.25	.20	.18	.56	.49	.43
Ship,boat building and repair	.91	.63	.47	.00	.00	.00	.06	.05	.05
Railroad equipment	.12	.12	.11	.00	.00	.00	.00	.00	.00
Mobile dwellings	.05	.05	.14	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.04	.06	.08	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	2.58	2.67	2.53	.24	.34	.62	1.21	1.44	1.69
Scientific instruments	1.22	1.14	.91	.18	.21	.31	.17	.21	.29
Optical,health serv supplies	.56	.74	.82	.06	.12	.30	.27	.43	.63
Photo equipment and supplies	.74	.74	.77	.00	.00	.00	.73	.77	.74
Watches and clock devices	.05	.03	.02	.00	.00	.00	.03	.02	.02
Miscellaneous manufacturing	.51	.47	.47	.24	.21	.17	.16	.15	.10
Nondurable goods	15.86	14.44	13.99	54.63	50.49	48.81	67.30	62.95	62.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science technicians			Agricultural, biological, exc health			Chemical technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.13	1.98	1.88	36.97	33.19	32.88	.92	.77	.50
Meat	.10	.10	.08	1.49	1.37	1.08	.02	.02	.03
Dairy	.54	.46	.42	11.71	9.61	9.29	.03	.02	.01
Canning and preserving	.40	.38	.39	6.68	6.19	6.29	.10	.10	.08
Grain mill	.28	.27	.25	4.68	4.53	4.50	.17	.15	.08
Bakery	.06	.06	.07	.97	.81	.71	.05	.06	.11
Confectionery	.06	.05	.04	1.20	.98	.79	.00	.00	.00
Beverages	.25	.23	.21	3.77	3.40	3.40	.21	.17	.08
Miscellaneous food preparation	.40	.39	.39	6.45	6.26	6.80	.30	.23	.08
Tobacco manufacturing	.11	.07	.04	.14	.07	.02	.11	.07	.03
Textile mill products	.99	.86	.91	.03	.02	.01	.64	.50	.33
Knitting mills	.06	.06	.09	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.15	.12	.08	.03	.02	.01	.13	.11	.08
Floor coverings	.05	.05	.07	.00	.00	.00	.03	.03	.04
Yarn and fabric mills	.59	.50	.52	.00	.00	.00	.41	.29	.15
Miscellaneous textile mill	.13	.11	.14	.00	.00	.00	.06	.05	.04
Apparel and textile products	.24	.21	.20	.00	.00	.00	.06	.06	.05
Apparel and accessories	.18	.15	.16	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.05	.05	.03	.00	.00	.00	.06	.06	.05
Paper and allied products	1.43	1.23	1.20	.06	.05	.03	1.29	.98	.52
Pulp,paper paperboard mills	1.04	.86	.82	.06	.05	.03	.94	.65	.24
Paperboard containers,boxes	.11	.09	.08	.00	.00	.00	.11	.09	.08
Miscellaneous paper and pulp	.26	.28	.30	.00	.00	.00	.23	.22	.19
Printing and publishing	.35	.30	.26	.00	.00	.00	.04	.06	.10
Newspaper publishing, printing	.03	.03	.03	.00	.00	.00	.04	.06	.10
Other printing,exc newspapers	.32	.26	.23	.00	.00	.00	.00	.00	.00
Chemicals and allied products	7.90	7.18	7.60	17.25	16.97	15.70	52.03	48.54	52.13
Industrial chemicals	2.99	2.68	2.99	.30	.30	.42	21.94	20.84	22.70
Plastics and synthetics	.85	.71	.70	.00	.00	.00	5.56	4.70	4.50
Synthetic fibers	.88	.84	1.05	.00	.00	.00	6.56	6.44	8.01
Drugs and medicines	1.17	1.23	1.09	16.54	16.29	14.90	2.11	2.43	2.30
Soaps and cosmetics	.45	.42	.43	.17	.16	.17	3.31	3.20	3.12
Paints and varnishes	.54	.51	.54	.01	.01	.01	4.68	4.55	4.85
Agricultural chemicals	.24	.25	.22	.16	.17	.17	2.01	2.16	1.94
Miscellaneous chemicals	.74	.51	.56	.03	.02	.01	5.83	4.19	4.66
Petroleum and coal products	1.30	1.17	.76	.05	.04	.01	9.97	9.41	6.48
Petroleum refining	1.19	1.06	.66	.05	.04	.01	9.15	8.55	5.72
Misc petroleum,coal products	.11	.11	.09	.00	.00	.00	.82	.86	.76
Rubber,miscellaneous plastics	1.31	1.37	1.07	.11	.13	.12	2.16	2.48	2.04
Rubber	.70	.61	.55	.06	.05	.05	1.08	1.03	1.02
Miscellaneous plastics	.60	.75	.52	.05	.07	.07	1.07	1.45	1.02
Leather products	.06	.04	.03	.00	.00	.00	.03	.03	.05
Leather tanning and finishing	.01	.01	.00	.00	.00	.00	.01	.01	.00
Footwear, except rubber	.02	.01	.01	.00	.00	.00	.01	.02	.04
All other leather	.02	.01	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	5.69	5.92	5.79	.14	.14	.16	1.89	2.05	2.29
Transportation,total	.73	.64	.57	.00	.00	.00	.12	.13	.18
Railroads and railway express	.21	.13	.07	.00	.00	.00	.06	.05	.03
Local and interurban transit	.02	.02	.04	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.02	.02	.04	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.02	.03	.02	.00	.00	.00	.00	.00	.00
Trucking services	.01	.02	.02	.00	.00	.00	.00	.00	.00
Water transportation	.18	.15	.11	.00	.00	.00	.00	.00	.00
Air transportation	.19	.20	.23	.00	.00	.00	.03	.05	.13
Pipelines	.06	.06	.04	.00	.00	.00	.02	.02	.01
Transportation services	.03	.04	.04	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	4.96	5.28	5.22	.14	.14	.16	1.77	1.92	2.10
Communications	2.45	2.74	2.92	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	1.00	.99	1.21	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.25	.33	.33	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	1.19	1.41	1.37	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	2.50	2.53	2.29	.14	.14	.16	1.77	1.92	2.10
Electric light and power	.98	1.16	.89	.00	.00	.00	.28	.45	.39
Electric-gas utilities	.67	.60	.64	.00	.00	.00	.28	.31	.41
Gas steam supply systems	.30	.25	.25	.00	.00	.00	.10	.10	.11
Water supply	.37	.35	.33	.14	.14	.16	.79	.80	.65
Sanitary services	.14	.14	.14	.00	.00	.00	.30	.24	.53
Other utilities	.01	.01	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	2.94	3.12	2.92	3.20	3.45	2.97	1.76	1.85	1.39
Wholesale trade	2.47	2.57	2.19	2.83	2.89	2.25	1.64	1.71	1.29

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science technicians			Agricultural, biological, exc health			Chemical technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.91	2.02	1.61	2.14	2.19	1.70	1.26	1.30	.90
Motor vehicles and equipment	.04	.05	.05	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.26	.24	.17	.12	.11	.08	.95	.91	.54
Dry goods and apparel	.01	.01	.00	.00	.00	.00	.00	.00	.00
Food and related products	.13	.14	.11	1.67	1.67	1.29	.06	.09	.15
Farm products-raw materials	.03	.04	.01	.21	.26	.13	.02	.03	.01
Electrical gcods	.56	.57	.52	.13	.14	.19	.00	.00	.00
Hardware and plumbing	.06	.06	.05	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.79	.90	.67	.00	.00	.00	.21	.26	.19
Miscellaneous wholesale trade	.55	.54	.57	.69	.69	.55	.38	.40	.39
Metals and minerals, other	.13	.12	.16	.00	.00	.00	.08	.09	.13
Petroleum products	.13	.12	.08	.00	.00	.00	.11	.11	.07
Scrap and waste material	.01	.01	.01	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.01	.01	.02	.00	.01	.01
Paper and paper products	.02	.02	.03	.00	.00	.00	.02	.02	.03
Lumber,construction materials	.08	.07	.09	.00	.00	.00	.02	.02	.02
Other wholesale trade	.16	.17	.18	.68	.68	.53	.12	.13	.12
Retail trade	.47	.54	.72	.36	.55	.71	.12	.14	.09
Building materials	.13	.14	.13	.00	.00	.00	.10	.12	.08
Lumber,building material	.12	.13	.11	.00	.00	.00	.10	.12	.08
Hardware and farm equipment	.01	.00	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	.13	.15	.29	.00	.00	.00	.00	.00	.00
Department stores,mail order	.07	.10	.19	.00	.00	.00	.00	.00	.00
Limited price stores	.01	.01	.02	.00	.00	.00	.00	.00	.00
Vending machine operators	.01	.01	.02	.00	.00	.00	.00	.00	.00
Direct selling	.00	.00	.01	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.01	.01	.03	.00	.00	.00	.00	.00	.00
Food and dairy stores	.02	.02	.02	.07	.11	.15	.00	.00	.00
Grocery stores	.02	.01	.01	.00	.00	.00	.00	.00	.00
Dairy products	.00	.00	.00	.07	.11	.15	.00	.00	.00
Auto dealers,gas stations	.04	.06	.08	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealers	.00	.01	.03	.00	.00	.00	.00	.00	.00
Gasoline service stations	.01	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.01	.02	.03	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.07	.08	.09	.00	.00	.00	.00	.00	.00
Home furnishings	.01	.01	.01	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.05	.07	.07	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.05	.07	.09	.28	.44	.56	.01	.01	.01
Drug stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.02	.03	.04	.27	.42	.53	.01	.01	.01
Fuel and ice dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Retail florists	.00	.00	.00	.01	.02	.03	.00	.00	.00
Misc retail trade stores	.01	.02	.03	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.28	.27	.32	.00	.00	.00	.00	.00	.00
Finance,total	.00	.01	.01	.00	.00	.00	.00	.00	.00
Credit agencies	.00	.00	.01	.00	.00	.00	.00	.00	.00
Insurance	.10	.07	.07	.00	.00	.00	.00	.00	.00
Real estate	.17	.18	.23	.00	.00	.00	.00	.00	.00
Services, total	20.32	25.37	27.42	15.49	17.13	13.62	12.65	15.89	17.31

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science technicians			Agricultural, biological, exc health			Chemical technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.01	.00	.00	.00	.00	.00	.00
Hotels and motels	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other personal services	.07	.14	.14	.00	.00	.00	.00	.00	.00
Misc personal services	.07	.14	.14	.00	.00	.00	.00	.00	.00
Miscellaneous business services	3.88	4.81	5.24	2.37	2.60	1.95	2.25	3.11	3.80
Advertising	.03	.02	.02	.00	.00	.00	.00	.00	.00
Business management services	.35	.38	.46	.03	.05	.07	.00	.00	.00
Commercial research,development	1.99	2.46	2.64	2.33	2.55	1.87	1.98	2.61	2.93
Computer programing	.23	.29	.32	.00	.00	.00	.00	.00	.00
Detective and protective serv	.02	.05	.09	.00	.00	.00	.00	.00	.00
Employment,temporary help	.00	.01	.05	.00	.00	.00	.00	.00	.00
Services to buildings	.01	.02	.07	.00	.00	.00	.00	.00	.00
Other business services	1.21	1.54	1.58	.00	.00	.00	.26	.49	.87
Automobile services	.00	.01	.01	.00	.00	.00	.01	.02	.03
Automobile repair	.00	.00	.01	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.01	.02	.03
Other repair services	.12	.14	.21	.00	.00	.00	.00	.00	.00
Electrical repair	.11	.11	.18	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.01	.02	.02	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.20	.16	.24	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.05	.10	.09	.00	.00	.00	.00	.00	.00
Other entertainment	.05	.10	.09	.00	.00	.00	.00	.00	.00
Medical and other health service	.75	1.11	1.59	2.77	3.96	4.56	1.23	2.06	3.29
Offices of physicians	.01	.01	.02	.15	.20	.23	.07	.09	.13
Hospitals	.56	.70	1.07	1.84	2.22	3.12	.79	.98	1.33
Other health services	.17	.39	.49	.77	1.52	1.20	.36	.99	1.81
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	4.22	4.35	3.25	7.32	7.41	4.94	7.45	8.31	7.21
Elementary and secondary school	.11	.16	.14	.00	.00	.00	.00	.00	.00
Colleges and universities	4.06	4.11	2.99	7.32	7.41	4.94	7.45	8.31	7.21
Other educational services	.04	.07	.11	.00	.00	.00	.00	.00	.00
Museums,art galleries,zoos	.01	.02	.04	.05	.07	.13	.02	.03	.05
Nonprofit organizations	.29	.30	.28	2.30	2.29	1.28	.00	.00	.00
Welfare services	.02	.01	.01	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.27	.28	.27	2.30	2.29	1.28	.00	.00	.00
Other professional services	10.66	14.19	16.27	.66	.78	.74	1.68	2.34	2.91
Engineering and architectural	9.36	12.24	13.33	.00	.00	.00	.31	.58	.89
Accounting and auditing	.07	.09	.06	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	1.21	1.85	2.86	.66	.78	.74	1.36	1.75	2.01
Government,total	8.57	8.45	8.81	11.54	11.16	14.92	1.43	1.42	1.21
Federal public administration	5.91	5.54	6.08	9.01	8.39	9.86	.96	.79	.45
Postal services	.04	.05	.05	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	5.86	5.49	6.02	9.01	8.39	9.86	.96	.79	.45
State public administration	.87	.98	.86	2.04	2.24	1.25	.26	.34	.31
Local public administration	1.78	1.92	1.86	.48	.53	3.80	.19	.28	.44

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drafters			Electrical, electronic technicians			Industrial engineering technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.27	.36	.29	.05	.08	.03	.00	.00	.00
Agriculture	.16	.20	.16	.00	.00	.00	.00	.00	.00
Horticultural services	.16	.19	.15	.00	.00	.00	.00	.00	.00
Forestry	.10	.15	.11	.05	.08	.03	.00	.00	.00
Fisheries	.00	.01	.00	.00	.00	.00	.00	.00	.00
Mining	1.27	1.62	1.51	.45	.66	.56	.46	.50	.42
Metal	.14	.11	.11	.03	.03	.04	.13	.12	.09
Coal	.05	.06	.09	.00	.01	.01	.00	.00	.00
Crude petroleum and natural gas	1.00	1.37	1.25	.39	.60	.50	.00	.00	.00
Nonmetallic mining and quarrying	.07	.06	.04	.01	.00	.00	.33	.37	.33
Construction	7.86	7.19	7.82	1.21	1.56	2.29	.00	.00	.00
General building contractors	1.19	1.14	1.23	.07	.10	.18	.00	.00	.00
General contractors,exc building	4.92	4.18	4.63	.48	.52	.76	.00	.00	.00
Special trade contractors	1.74	1.86	1.95	.65	.93	1.35	.00	.00	.00
Manufacturing	49.97	42.82	40.20	55.18	50.78	48.98	87.11	84.30	80.31
Durable goods	45.21	38.76	35.99	53.60	49.47	47.92	62.86	61.36	58.44
Ordnance	1.06	.47	.35	2.76	1.43	1.23	2.58	1.43	1.22
Lumber and wood products	.44	.42	.46	.09	.07	.06	.44	.40	.34
Logging	.00	.01	.01	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.36	.36	.41	.04	.03	.04	.20	.19	.13
Miscellaneous wood products	.06	.05	.03	.03	.03	.01	.23	.21	.20
Furniture and fixtures	.80	.77	.98	.03	.03	.04	.69	.76	.87
Stone,clay,and glass products	1.02	.88	.74	.27	.21	.08	3.47	3.38	2.60
Glass and glass products	.25	.22	.22	.13	.09	.02	1.35	1.37	1.23
Cement,concrete,plaster	.38	.32	.26	.05	.04	.02	.49	.46	.25
Structural clay products	.04	.03	.02	.01	.00	.00	.34	.25	.10
Pottery and related products	.07	.06	.06	.02	.02	.00	.26	.23	.13
Miscellaneous nonmetallic,stone	.27	.23	.16	.04	.04	.02	1.01	1.05	.87
Primary metal industries	2.33	1.92	2.08	.55	.46	.44	6.62	6.41	6.52
Blast furnaces,steel works	.93	.70	.76	.25	.16	.06	2.49	2.13	1.96
Other primary steel	.69	.60	.76	.09	.07	.07	1.83	1.74	1.70
Primary aluminum	.37	.34	.28	.06	.07	.10	.94	1.12	1.21
Other primary nonferrous	.33	.27	.27	.14	.15	.20	1.35	1.41	1.64
Fabricated metal products	6.54	5.80	5.29	.51	.50	.45	5.10	4.98	3.82
Cutlery and other hardware	.38	.35	.33	.04	.04	.05	.73	.67	.31
Fabricated structural metal	3.94	3.57	3.42	.15	.11	.02	1.06	.86	.25
Screw machine products	.20	.16	.11	.03	.03	.03	.43	.50	.62
Metal stamping	.55	.44	.34	.03	.03	.04	1.00	1.10	1.30
Miscellaneous fabricated metal	1.45	1.25	1.06	.25	.27	.30	1.87	1.83	1.31
Machinery except electrical	12.65	11.58	11.02	6.89	8.00	11.68	10.46	12.44	16.32
Engines and turbines	.77	.71	.54	.16	.20	.25	.70	.90	1.07
Farm machinery and equipment	.50	.49	.59	.04	.04	.02	.78	.71	.33
Construction machines	2.38	2.32	2.10	.19	.25	.36	1.57	2.01	2.48
Metalworking machinery	2.38	2.10	2.03	.40	.48	.72	1.35	1.63	2.30
Office and accounting machines	.36	.22	.16	.74	.57	.44	.58	.40	.22
Electronic computing equipment	.97	.94	1.00	4.61	5.67	8.98	1.41	1.89	3.49
Other machinery,exc electrical	5.27	4.76	4.58	.72	.78	.88	4.05	4.88	6.41
Electrical machinery	9.75	8.14	7.86	32.91	30.63	27.50	12.14	12.19	11.98
Household appliances	.46	.33	.25	.70	.61	.56	1.15	1.19	1.49
Radio, tv communications equip	3.58	2.79	2.92	13.68	11.94	11.97	4.24	4.15	4.91
Other electrical machinery	5.70	5.01	4.68	18.52	18.07	14.96	6.75	6.83	5.58
Transportation equipment	7.74	6.11	4.47	6.37	4.77	3.19	16.09	13.56	9.25
Motor vehicles and equipment	2.62	2.42	1.93	.33	.37	.39	3.26	3.64	3.10
Aircraft and parts	3.39	2.24	1.36	4.73	3.56	2.15	11.38	8.78	4.99
Ship,boat building and repair	1.25	.95	.54	1.23	.75	.54	1.16	.71	.59
Railroad equipment	.24	.22	.14	.04	.05	.04	.21	.33	.44
Mobile dwellings	.13	.15	.36	.01	.01	.03	.06	.06	.07
Cycles,misc transportation	.09	.11	.12	.01	.01	.02	.02	.02	.04
Professional,scientific instrs	2.20	2.03	1.93	2.91	3.08	3.09	4.16	4.75	4.75
Scientific instruments	1.27	1.06	.76	1.95	1.91	1.54	1.22	1.43	1.60
Optical,health serv supplies	.38	.44	.39	.39	.60	.91	.89	1.46	2.18
Photo equipment and supplies	.48	.48	.74	.51	.54	.62	1.96	1.78	.92
Watches and clock devices	.06	.04	.02	.04	.03	.00	.09	.07	.04
Miscellaneous manufacturing	.63	.60	.77	.27	.22	.11	1.09	1.01	.73
Nondurable goods	4.76	4.06	4.21	1.57	1.31	1.05	24.24	22.93	21.86

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drafters			Electrical, electronic technicians			Industrial engineering technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.42	.36	.41	.11	.08	.06	5.07	4.67	4.04
Meat	.04	.03	.03	.02	.01	.01	.61	.61	.55
Dairy	.00	.00	.00	.01	.00	.00	.53	.35	.17
Canning and preserving	.13	.12	.16	.03	.02	.02	.84	.80	.78
Grain mill	.06	.05	.06	.00	.00	.00	.41	.37	.26
Bakery	.02	.01	.01	.00	.00	.00	.26	.27	.35
Confectionery	.01	.00	.00	.01	.01	.00	.07	.05	.05
Beverages	.06	.05	.05	.02	.01	.00	1.12	1.07	1.07
Miscellaneous food preparation	.07	.06	.07	.00	.00	.00	1.22	1.09	.77
Tobacco manufacturing	.04	.03	.03	.04	.02	.00	.23	.15	.08
Textile mill products	.21	.18	.26	.06	.05	.06	2.53	2.34	2.48
Knitting mills	.02	.02	.04	.02	.01	.01	.41	.35	.27
Dyeing,finishing textiles	.00	.00	.00	.01	.00	.00	.34	.28	.18
Floor coverings	.01	.00	.01	.00	.00	.00	.17	.15	.17
Yarn and fabric mills	.13	.10	.14	.02	.02	.04	1.43	1.40	1.75
Miscellaneous textile mill	.04	.04	.06	.00	.00	.00	.17	.14	.09
Apparel and textile products	.41	.33	.31	.01	.01	.00	1.16	1.26	1.53
Apparel and accessories	.36	.30	.30	.00	.00	.00	1.02	1.11	1.35
Miscellaneous fabricated textile	.04	.03	.01	.01	.01	.00	.14	.15	.17
Paper and allied products	.47	.37	.40	.15	.11	.05	2.27	2.11	1.96
Pulp,paper paperboard mills	.24	.17	.15	.06	.05	.03	.92	.88	1.00
Paperboard containers,boxes	.11	.08	.08	.02	.01	.00	.45	.36	.31
Miscellaneous paper and pulp	.11	.11	.16	.05	.04	.01	.89	.86	.64
Printing and publishing	.59	.52	.57	.27	.19	.06	.90	.69	.24
Newspaper publishing, printing	.01	.01	.00	.10	.08	.03	.00	.00	.00
Other printing,exc newspapers	.57	.51	.56	.16	.11	.02	.90	.69	.24
Chemicals and allied products	1.43	1.13	1.30	.65	.59	.69	7.84	7.47	8.71
Industrial chemicals	.74	.57	.59	.35	.31	.33	1.89	2.00	2.63
Plastics and synthetics	.16	.13	.17	.03	.02	.03	1.07	1.01	1.20
Synthetic fibers	.13	.12	.22	.04	.04	.06	1.24	1.22	1.55
Drugs and medicines	.11	.11	.10	.07	.06	.04	1.18	.98	.80
Soaps and cosmetics	.06	.05	.08	.04	.05	.10	.69	.69	.81
Paints and varnishes	.02	.02	.02	.00	.00	.00	.83	.82	.90
Agricultural chemicals	.04	.03	.01	.01	.01	.01	.06	.06	.05
Miscellaneous chemicals	.14	.08	.09	.08	.06	.09	.87	.64	.74
Petroleum and coal products	.39	.32	.21	.14	.11	.03	.76	.75	.48
Petroleum refining	.36	.30	.18	.13	.10	.03	.39	.36	.18
Misc petroleum,coal products	.03	.02	.02	.01	.01	.00	.37	.38	.30
Rubber,miscellaneous plastics	.73	.75	.66	.10	.11	.06	3.20	3.26	2.17
Rubber	.31	.25	.25	.03	.03	.04	1.87	1.77	1.73
Miscellaneous plastics	.41	.49	.40	.07	.07	.02	1.33	1.48	.44
Leather products	.04	.03	.02	.01	.00	.00	.25	.19	.12
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.02	.01	.00
Footwear, except rubber	.02	.01	.01	.00	.00	.00	.07	.05	.04
All other leather	.02	.01	.01	.01	.00	.00	.16	.12	.08
Transportation, other public util	5.32	5.01	4.72	12.55	13.54	12.99	1.46	1.55	1.27
Transportation,total	.57	.47	.38	.91	.77	.67	.68	.68	.55
Railroads and railway express	.25	.14	.05	.26	.14	.06	.00	.00	.00
Local and interurban transit	.04	.04	.07	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.04	.04	.07	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.03	.04	.02	.00	.00	.00	.06	.05	.03
Trucking services	.03	.04	.02	.00	.00	.00	.00	.00	.00
Warehousing and storage	.00	.00	.00	.00	.00	.00	.06	.05	.03
Water transportation	.05	.04	.04	.05	.06	.03	.00	.00	.00
Air transportation	.06	.06	.08	.48	.44	.47	.56	.58	.49
Pipelines	.08	.07	.06	.08	.08	.05	.05	.05	.03
Transportation services	.03	.03	.03	.03	.04	.04	.00	.00	.00
Communicatns,utils,sanitary serv	4.75	4.54	4.33	11.63	12.77	12.32	.78	.86	.72
Communications	1.39	1.34	1.79	9.17	10.11	10.04	.18	.20	.16
Telephone(wire and radio)	1.29	1.23	1.66	1.96	2.03	2.31	.00	.00	.00
Telegraph,misc communicatn serv	.05	.06	.07	1.10	1.36	1.28	.03	.03	.02
Radio and tv broadcasting	.04	.04	.05	6.10	6.71	6.44	.15	.17	.14
Utilities and sanitary services	3.36	3.19	2.53	2.46	2.66	2.27	.60	.65	.55
Electric light and power	1.23	1.33	1.11	1.26	1.55	1.21	.14	.22	.15
Electric-gas utilities	1.01	.84	.85	.85	.82	.84	.18	.17	.16
Gas steam supply systems	.50	.40	.36	.23	.20	.16	.12	.09	.03
Water supply	.46	.45	.17	.06	.06	.03	.07	.06	.05
Sanitary services	.13	.14	.01	.03	.02	.01	.08	.09	.14
Other utilities	.01	.01	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	3.27	3.26	3.24	4.06	4.52	4.18	3.66	4.34	4.39
Wholesale trade	2.42	2.34	2.13	3.61	3.89	3.13	3.54	4.19	4.29

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drafters			Electrical, electronic technicians			Industrial engineering technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.66	1.69	1.54	3.38	3.65	2.89	2.64	3.01	2.57
Motor vehicles and equipment	.05	.05	.05	.02	.02	.01	.37	.45	.43
Drugs,chemicals,allied product	.10	.09	.10	.04	.04	.03	.30	.28	.16
Dry goods and apparel	.00	.00	.00	.01	.01	.01	.16	.15	.12
Food and related products	.02	.02	.02	.00	.00	.00	.43	.48	.45
Farm products-raw materials	.02	.03	.01	.00	.00	.00	.03	.04	.03
Electrical goods	.39	.35	.33	1.76	1.79	1.62	.64	.68	.58
Hardware and plumbing	.13	.12	.10	.02	.03	.03	.00	.00	.00
Machinery equipment,supplies	.93	1.01	.89	1.51	1.73	1.16	.69	.90	.77
Miscellaneous wholesale trade	.75	.64	.58	.22	.24	.24	.89	1.18	1.72
Metals and minerals, other	.25	.21	.20	.02	.03	.05	.13	.23	.48
Petroleum products	.14	.12	.07	.06	.05	.03	.14	.13	.07
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.09	.14	.20
Paper and paper products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.17	.15	.17	.00	.00	.00	.24	.30	.49
Other wholesale trade	.13	.11	.10	.14	.15	.16	.28	.37	.47
Retail trade	.85	.92	1.10	.44	.62	1.04	.12	.14	.09
Building materials	.29	.33	.33	.02	.03	.03	.00	.00	.00
Lumber,building material	.28	.32	.30	.01	.02	.02	.00	.00	.00
Hardware and farm equipment	.01	.01	.03	.01	.01	.01	.00	.00	.00
General merchandise,total	.24	.23	.34	.20	.32	.72	.00	.00	.00
Department stores,mail order	.13	.14	.21	.18	.29	.64	.00	.00	.00
Limited price stores	.05	.04	.07	.00	.00	.00	.00	.00	.00
Vending machine operators	.01	.01	.03	.02	.02	.08	.00	.00	.00
Direct selling	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.02	.02	.02	.00	.00	.00	.00	.00	.00
Food and dairy stores	.06	.05	.04	.00	.00	.00	.00	.00	.00
Grocery stores	.06	.05	.04	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.04	.05	.05	.05	.09	.17	.00	.00	.00
Motor vehicle dealers	.02	.02	.01	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.01	.01	.02	.01	.04	.09	.00	.00	.00
Miscellaneous vehicle dealers	.01	.01	.00	.03	.05	.08	.00	.00	.00
Apparel and accessory stores	.01	.00	.01	.00	.00	.00	.00	.00	.00
Shoe stores	.01	.00	.01	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.10	.12	.17	.15	.17	.11	.12	.14	.09
Home furnishings	.04	.04	.05	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.05	.08	.12	.15	.17	.11	.12	.14	.09
Miscellaneous retail trade	.08	.10	.13	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.01	.01	.02	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.05	.07	.10	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.45	.43	.53	.08	.08	.09	.00	.00	.00
Finance,total	.01	.01	.03	.00	.00	.00	.00	.00	.00
Credit agencies	.01	.01	.03	.00	.00	.00	.00	.00	.00
Insurance	.16	.10	.08	.08	.08	.09	.00	.00	.00
Real estate	.27	.30	.42	.00	.00	.00	.00	.00	.00
Services, total	25.57	33.28	34.06	11.08	14.23	15.71	2.55	4.30	7.29
Other personal services	.15	.30	.32	.00	.00	.00	.00	.00	.00
Misc personal services	.15	.30	.32	.00	.00	.00	.00	.00	.00
Miscellaneous business services	3.87	4.59	5.02	3.74	5.02	5.50	1.62	2.43	3.19
Advertising	.05	.04	.03	.00	.00	.00	.07	.06	.04
Business management services	.83	.89	.97	.11	.17	.30	.18	.29	.53
Commercial research,development	.45	.53	.74	1.31	1.66	1.87	.47	.72	1.21
Computer programing	.09	.09	.07	.84	1.03	1.17	.18	.23	.32
Detective and protective serv	.03	.06	.10	.07	.14	.25	.00	.00	.00
Services to buildings	.00	.00	.00	.04	.07	.16	.00	.00	.00
Other business services	2.41	2.97	3.08	1.34	1.93	1.71	.71	1.11	1.07
Automobile services	.00	.00	.00	.01	.04	.05	.00	.00	.00
Automobile repair	.00	.00	.00	.01	.04	.05	.00	.00	.00
Other repair services	.07	.06	.04	.45	.45	.73	.07	.13	.10
Electrical repair	.04	.03	.02	.45	.45	.73	.00	.00	.00
Other repair,exc electrical	.02	.03	.02	.00	.00	.00	.07	.13	.10
Motion pictures and theaters	.05	.03	.07	.80	.57	.78	.23	.18	.33
Miscellaneous entertainment	.02	.03	.02	.19	.35	.28	.00	.00	.00
Other entertainment	.02	.03	.02	.19	.35	.28	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drafters			Electrical, electronic technicians			Industrial engineering technicians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.12	.16	.28	.49	.76	1.35	.13	.30	1.12
Hospitals	.09	.10	.19	.41	.52	.84	.00	.00	.00
Other health services	.03	.05	.09	.08	.24	.50	.13	.30	1.12
Legal services	.04	.03	.01	.00	.00	.00	.00	.00	.00
Educational services	.92	.93	.86	2.87	3.20	2.83	.00	.00	.00
Elementary and secondary school	.10	.14	.15	.20	.35	.36	.00	.00	.00
Colleges and universities	.79	.76	.68	2.57	2.69	2.12	.00	.00	.00
Other educational services	.02	.02	.02	.10	.16	.33	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.01	.02	.04	.00	.00	.00
Nonprofit organizations	.39	.40	.46	.05	.05	.04	.00	.00	.00
Welfare services	.03	.03	.04	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.36	.37	.41	.05	.05	.04	.00	.00	.00
Other professional services	19.91	26.70	26.95	2.43	3.73	4.07	.49	1.23	2.53
Engineering and architectural	19.23	25.93	26.34	.68	1.21	1.79	.30	.77	1.70
Accounting and auditing	.11	.12	.08	.15	.20	.13	.00	.00	.00
Miscellaneous professional serv	.56	.65	.52	1.59	2.31	2.14	.19	.46	.82
Government, total	5.98	5.98	7.60	15.32	14.51	15.12	4.74	4.99	6.29
Federal public administration	2.87	2.36	2.70	14.56	13.70	14.66	4.47	4.60	5.86
Postal services	.04	.06	.08	.09	.09	.03	.00	.00	.00
Federal pub adm, exc post office	2.82	2.30	2.62	14.47	13.60	14.62	4.47	4.60	5.86
State public administration	.80	.93	1.10	.39	.45	.29	.27	.38	.43
Local public administration	2.31	2.68	3.79	.35	.36	.16	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mathematical technicians			Mechanical engineering technicians			Surveyors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.03	.06	.04	1.15	1.58	1.21
Agriculture	.00	.00	.00	.00	.00	.00	.29	.32	.16
Services, except horticulture	.00	.00	.00	.00	.00	.00	.03	.01	.01
Horticultural services	.00	.00	.00	.00	.00	.00	.26	.30	.15
Forestry	.00	.00	.00	.03	.06	.04	.85	1.26	1.04
Mining	.00	.00	.00	.10	.10	.06	2.70	2.99	2.72
Metal	.00	.00	.00	.00	.00	.00	.42	.35	.38
Coal	.00	.00	.00	.00	.00	.00	.53	.68	1.06
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	1.52	1.77	1.09
Nonmetallic mining and quarrying	.00	.00	.00	.10	.10	.06	.22	.19	.17
Construction	.00	.00	.00	.00	.00	.00	33.31	24.17	20.25
General building contractors	.00	.00	.00	.00	.00	.00	1.63	1.24	.81
General contractors, exc building	.00	.00	.00	.00	.00	.00	31.03	22.30	18.89
Special trade contractors	.00	.00	.00	.00	.00	.00	.63	.62	.53
Manufacturing	23.02	14.57	9.46	91.55	88.64	83.64	1.30	1.00	1.07
Durable goods	21.22	13.48	9.46	86.38	83.54	78.38	.82	.60	.64
Ordnance	9.20	4.74	4.78	3.89	2.13	1.98	.05	.02	.01
Lumber and wood products	.00	.00	.00	.00	.00	.00	.19	.16	.17
Logging	.00	.00	.00	.00	.00	.00	.01	.01	.00
Sawmill, planing and mill work	.00	.00	.00	.00	.00	.00	.17	.15	.16
Stone, clay, and glass products	.00	.00	.00	.80	.67	.27	.08	.07	.07
Glass and glass products	.00	.00	.00	.25	.21	.11	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.00	.00	.00	.02	.02	.02
Structural clay products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Pottery and related products	.00	.00	.00	.15	.11	.03	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.40	.35	.13	.04	.04	.04
Primary metal industries	.00	.00	.00	11.71	9.93	9.37	.23	.17	.18
Blast furnaces, steel works	.00	.00	.00	8.59	7.16	6.18	.13	.08	.06
Other primary steel	.00	.00	.00	2.15	1.58	1.50	.03	.04	.09
Primary aluminum	.00	.00	.00	.33	.53	.88	.02	.02	.01
Other primary nonferrous	.00	.00	.00	.63	.64	.80	.03	.02	.01
Fabricated metal products	.00	.00	.00	2.51	2.74	2.94	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.10	.12	.14	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.97	.81	.27	.00	.00	.00
Screw machine products	.00	.00	.00	.44	.50	.56	.00	.00	.00
Metal stamping	.00	.00	.00	.29	.40	.68	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.70	.90	1.28	.00	.00	.00
Machinery except electrical	1.70	1.16	.00	16.05	18.38	22.75	.01	.01	.00
Engines and turbines	.00	.00	.00	1.19	1.47	1.67	.01	.01	.00
Farm machinery and equipment	.00	.00	.00	.45	.45	.81	.00	.00	.00
Construction machines	.00	.00	.00	1.66	1.97	1.94	.00	.00	.00
Metalworking machinery	.80	.50	.00	1.75	1.86	1.92	.00	.00	.00
Office and accounting machines	.00	.00	.00	1.07	.74	.44	.00	.00	.00
Electronic computing equipment	.00	.00	.00	3.79	4.61	6.19	.00	.00	.00
Other machinery, exc electrical	.90	.66	.00	6.10	7.25	9.76	.00	.00	.00
Electrical machinery	6.30	5.07	4.68	9.40	9.93	11.78	.00	.00	.00
Household appliances	.80	.50	.00	.14	.13	.12	.00	.00	.00
Radio, tv communications equip	3.80	3.41	4.68	3.61	3.42	3.85	.00	.00	.00
Other electrical machinery	1.70	1.16	.00	5.64	6.37	7.80	.00	.00	.00
Transportation equipment	4.00	2.49	.00	38.20	35.17	23.67	.21	.12	.17
Motor vehicles and equipment	1.40	1.08	.00	19.54	21.20	16.41	.00	.00	.00
Aircraft and parts	2.60	1.41	.00	17.64	13.20	6.55	.00	.00	.00
Ship, boat building and repair	.00	.00	.00	.87	.54	.37	.21	.12	.17
Railroad equipment	.00	.00	.00	.04	.06	.09	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.10	.15	.24	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	3.38	4.01	4.69	.02	.02	.01
Scientific instruments	.00	.00	.00	1.83	1.92	1.81	.02	.02	.01
Optical, health serv supplies	.00	.00	.00	.85	1.35	2.11	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.70	.73	.76	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.40	.53	.88	.00	.00	.00
Nondurable goods	1.80	1.08	.00	5.16	5.09	5.25	.48	.39	.43

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mathematical technicians			Mechanical engineering technicians			Surveyors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.47	.44	.42	.07	.07	.12
Canning and preserving	.00	.00	.00	.19	.18	.22	.02	.02	.02
Grain mill	.00	.00	.00	.10	.10	.09	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.17	.15	.10	.04	.05	.09
Tobacco manufacturing	.00	.00	.00	.05	.04	.04	.00	.00	.00
Textile mill products	.00	.00	.00	.77	.78	1.02	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.17	.13	.09	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.35	.45	.78	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.25	.19	.15	.00	.00	.00
Apparel and textile products	1.00	.58	.00	.00	.00	.00	.00	.00	.00
Apparel and accessories	1.00	.58	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.00	.00	.00	1.23	1.02	.68	.15	.10	.11
Pulp,paper paperboard mills	.00	.00	.00	.66	.49	.25	.15	.10	.11
Paperboard ccontainers,boxes	.00	.00	.00	.15	.13	.16	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.40	.39	.27	.00	.00	.00
Chemicals and allied products	.00	.00	.00	1.56	1.62	2.29	.08	.05	.05
Industrial chemicals	.00	.00	.00	.80	.71	.78	.05	.03	.02
Plastics and synthetics	.00	.00	.00	.23	.24	.36	.00	.00	.00
Synthetic fibers	.00	.00	.00	.18	.17	.21	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.26	.40	.82	.03	.02	.02
Paints and varnishes	.00	.00	.00	.04	.05	.06	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.04	.04	.03	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.30	.27	.12	.16	.15	.14
Petroleum refining	.00	.00	.00	.30	.27	.12	.14	.14	.13
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Rubber,miscellaneous plastics	.80	.50	.00	.76	.90	.66	.00	.00	.00
Rubber	.80	.50	.00	.26	.23	.18	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.50	.66	.48	.00	.00	.00
Transportation, other public util	19.72	22.39	17.83	.15	.16	.09	6.42	5.82	5.43
Transportation,total	3.00	3.16	.00	.10	.10	.05	2.33	1.79	1.37
Railroads and railway express	.00	.00	.00	.00	.00	.00	.47	.35	.33
Local and interurban transit	.00	.00	.00	.00	.00	.00	.04	.03	.07
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.04	.03	.07
Trucking and warehousing	.70	.58	.00	.00	.00	.00	.01	.00	.01
Trucking services	.70	.58	.00	.00	.00	.00	.00	.00	.00
Warehousing and storage	.00	.00	.00	.00	.00	.00	.01	.00	.01
Water transportation	1.50	1.99	.00	.00	.00	.00	1.47	1.03	.61
Air transportation	.80	.58	.00	.00	.00	.00	.11	.15	.16
Pipelines	.00	.00	.00	.10	.10	.05	.07	.06	.03
Transportation services	.00	.00	.00	.00	.00	.00	.14	.14	.13
Communicatns,utils,sanitary serv	16.71	19.23	17.83	.05	.06	.03	4.08	4.02	4.05
Communications	14.91	17.90	17.83	.05	.06	.03	.16	.18	.36
Telephone(wire and radio)	1.50	1.08	.00	.00	.00	.00	.16	.18	.36
Telegraph,misc communicatn serv	13.41	16.81	17.83	.05	.06	.03	.00	.00	.00
Utilities and sanitary services	1.80	1.33	.00	.00	.00	.00	3.91	3.84	3.69
Electric light and power	.80	.66	.00	.00	.00	.00	1.61	1.85	1.38
Electric-gas utilities	1.00	.66	.00	.00	.00	.00	.80	.72	.97
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.38	.31	.36
Water supply	.00	.00	.00	.00	.00	.00	.75	.64	.64
Sanitary services	.00	.00	.00	.00	.00	.00	.33	.29	.30
Other utilities	.00	.00	.00	.00	.00	.00	.02	.01	.01
Wholesale and retail trade	5.90	6.66	8.52	.70	.86	1.40	.34	.34	.36
Wholesale trade	5.90	6.66	8.52	.70	.86	1.40	.26	.22	.20
Wholesale,exc misc whlsle trade	3.30	4.24	6.99	.22	.25	.31	.03	.02	.02
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.03	.02	.02
Food and related products	.50	.33	.00	.00	.00	.00	.00	.00	.00
Electrical goods	2.40	3.58	6.99	.22	.25	.31	.00	.00	.00
Machinery equipment,supplies	.40	.33	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	2.60	2.41	1.52	.47	.61	1.09	.23	.20	.18
Metals and minerals, other	.00	.00	.00	.33	.47	.96	.03	.02	.02
Petroleum products	2.60	2.41	1.52	.00	.00	.00	.13	.11	.10
Scrap and waste material	.00	.00	.00	.00	.00	.00	.01	.01	.01
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.00	.01	.01
Lumber,construction materials	.00	.00	.00	.14	.13	.13	.04	.03	.03

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mathematical technicians			Mechanical engineering technicians			Surveyors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.00	.00	.00	.08	.11	.16
Building materials	.00	.00	.00	.00	.00	.00	.06	.05	.03
Lumber, building material	.00	.00	.00	.00	.00	.00	.06	.05	.03
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.02	.05	.13
Household appliances, tv, radio	.00	.00	.00	.00	.00	.00	.02	.05	.13
Finance, insurance and real estate	.00	.00	.00	.00	.00	.00	1.06	1.05	1.11
Insurance	.00	.00	.00	.00	.00	.00	.12	.11	.15
Real estate	.00	.00	.00	.00	.00	.00	.93	.93	.95
Services, total	10.01	17.15	25.93	4.95	7.72	12.14	38.30	49.40	60.42
Other personal services	.00	.00	.00	.00	.00	.00	.08	.12	.06
Misc personal services	.00	.00	.00	.00	.00	.00	.08	.12	.06
Miscellaneous business services	2.50	4.16	9.52	2.08	2.91	4.16	.83	.84	.76
Advertising	.00	.00	.00	.00	.00	.00	.06	.04	.01
Business management services	.80	.83	.00	.00	.00	.00	.47	.47	.49
Commercial research, development	1.70	3.33	9.52	1.98	2.76	3.95	.07	.08	.08
Computer programing	.00	.00	.00	.10	.14	.20	.00	.00	.00
Detective and protective serv	.00	.00	.00	.00	.00	.00	.01	.01	.03
Services to buildings	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other business services	.00	.00	.00	.00	.00	.00	.19	.20	.13
Other repair services	.00	.00	.00	.18	.26	.34	.00	.00	.00
Electrical repair	.00	.00	.00	.07	.07	.12	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.10	.19	.21	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.06	.13	.23
Other entertainment	.00	.00	.00	.00	.00	.00	.06	.13	.23
Medical and other health service	.90	2.16	.00	.00	.00	.00	.08	.08	.04
Other health services	.90	2.16	.00	.00	.00	.00	.08	.08	.04
Educational services	3.10	2.33	.00	.00	.00	.00	.34	.37	.46
Colleges and universities	1.90	1.24	.00	.00	.00	.00	.34	.37	.46
Other educational services	1.20	1.08	.00	.00	.00	.00	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.05	.07	.09	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.49	.50	.67
Welfare services	.00	.00	.00	.00	.00	.00	.11	.09	.07
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.37	.41	.59
Other professional services	3.50	8.49	16.41	2.64	4.46	7.54	36.40	47.34	58.17
Engineering and architectural	1.80	4.82	12.62	.44	.88	1.53	35.85	46.61	57.35
Accounting and auditing	.00	.00	.00	.00	.00	.00	.07	.06	.06
Miscellaneous professional serv	1.70	3.66	3.78	2.20	3.58	6.01	.47	.65	.74
Government, total	41.34	39.21	38.24	2.48	2.43	2.61	15.38	13.63	7.39
Federal public administration	30.63	22.56	10.52	2.48	2.43	2.61	4.57	3.27	2.97
Federal pub adm, exc post office	30.63	22.56	10.52	2.48	2.43	2.61	4.57	3.27	2.97
State public administration	10.71	16.65	27.72	.00	.00	.00	2.50	2.48	2.08
Local public administration	.00	.00	.00	.00	.00	.00	8.31	7.87	2.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science tech, other			Medical workers,exc technicians			Chiro- practors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.37	.61	.57	1.40	1.28	1.02	.00	.00	.00
Agriculture	.16	.27	.30	1.40	1.28	1.02	.00	.00	.00
Agricultural production	.10	.18	.19	.01	.03	.02	.00	.00	.00
Services,except horticulture	.05	.07	.11	1.39	1.24	.99	.00	.00	.00
Horticultural services	.00	.01	.00	.00	.00	.00	.00	.00	.00
Forestry	.18	.29	.16	.00	.00	.00	.00	.00	.00
Fisheries	.02	.05	.10	.00	.00	.00	.00	.00	.00
Mining	2.26	3.26	3.45	.01	.01	.01	.00	.00	.00
Metal	.31	.33	.41	.00	.00	.00	.00	.00	.00
Coal	.08	.14	.24	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.53	2.46	2.56	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.33	.32	.23	.00	.00	.00	.00	.00	.00
Construction	6.19	5.95	7.89	.01	.01	.00	.00	.00	.00
General building contractors	.10	.16	.35	.00	.00	.00	.00	.00	.00
General contractors,exc building	5.90	5.57	7.34	.00	.00	.00	.00	.00	.00
Special trade contractors	.18	.21	.19	.00	.00	.00	.00	.00	.00
Manufacturing	55.03	49.35	44.46	1.05	.78	.64	.00	.00	.00
Durable goods	35.35	31.69	27.11	.64	.44	.32	.00	.00	.00
Ordnance	2.34	1.21	.94	.02	.00	.00	.00	.00	.00
Lumber and wood products	.28	.27	.33	.00	.00	.00	.00	.00	.00
Logging	.00	.01	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.14	.13	.15	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.13	.13	.17	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.14	.16	.23	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	2.34	2.23	1.83	.03	.02	.01	.00	.00	.00
Glass and glass products	.76	.74	.70	.02	.01	.01	.00	.00	.00
Cement,concrete,plaster	.26	.26	.23	.00	.00	.00	.00	.00	.00
Structural clay products	.26	.20	.10	.00	.00	.00	.00	.00	.00
Pottery and related products	.17	.17	.16	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.87	.84	.62	.00	.00	.00	.00	.00	.00
Primary metal industries	5.51	4.61	3.86	.10	.07	.06	.00	.00	.00
Blast furnaces,steel works	2.20	1.70	1.39	.05	.03	.03	.00	.00	.00
Other primary steel	1.07	.91	1.02	.02	.01	.01	.00	.00	.00
Primary aluminum	.72	.69	.45	.01	.00	.00	.00	.00	.00
Other primary nonferrous	1.51	1.30	.98	.02	.01	.01	.00	.00	.00
Fabricated metal products	2.75	2.58	1.93	.06	.03	.02	.00	.00	.00
Cutlery and other hardware	.21	.21	.17	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.95	.93	.79	.01	.00	.00	.00	.00	.00
Screw machine products	.19	.17	.10	.00	.00	.00	.00	.00	.00
Metal stamping	.21	.19	.15	.01	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	1.17	1.06	.69	.02	.01	.00	.00	.00	.00
Machinery except electrical	5.33	5.50	5.47	.10	.06	.02	.00	.00	.00
Engines and turbines	.51	.53	.40	.01	.00	.00	.00	.00	.00
Farm machinery and equipment	.21	.22	.22	.00	.00	.00	.00	.00	.00
Construction machines	.47	.54	.57	.02	.01	.00	.00	.00	.00
Metalworking machinery	.40	.43	.52	.01	.00	.00	.00	.00	.00
Office and accounting machines	.38	.30	.27	.00	.00	.00	.00	.00	.00
Electronic computing equipment	1.53	1.69	1.89	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	1.79	1.77	1.56	.03	.02	.00	.00	.00	.00
Electrical machinery	4.63	4.10	3.54	.11	.07	.03	.00	.00	.00
Household appliances	.10	.11	.18	.01	.00	.00	.00	.00	.00
Radio,tv communications equip	1.74	1.42	1.53	.04	.02	.00	.00	.00	.00
Other electrical machinery	2.78	2.56	1.81	.06	.04	.02	.00	.00	.00
Transportation equipment	6.73	5.56	4.34	.12	.09	.09	.00	.00	.00
Motor vehicles and equipment	1.41	1.37	.83	.06	.05	.05	.00	.00	.00
Aircraft and parts	4.27	3.32	2.40	.04	.02	.02	.00	.00	.00
Ship,boat building and repair	.88	.62	.67	.01	.01	.01	.00	.00	.00
Railroad equipment	.10	.14	.21	.00	.00	.00	.00	.00	.00
Mobile dwellings	.02	.02	.08	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.04	.07	.13	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	4.46	4.66	3.94	.04	.03	.04	.00	.00	.00
Scientific instruments	1.50	1.41	1.06	.01	.00	.00	.00	.00	.00
Optical,health serv supplies	1.31	1.65	1.49	.02	.02	.03	.00	.00	.00
Photo equipment and supplies	1.57	1.52	1.33	.00	.00	.01	.00	.00	.00
Watches and clock devices	.07	.06	.05	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.82	.76	.66	.01	.01	.01	.00	.00	.00
Nondurable goods	19.68	17.66	17.34	.41	.34	.32	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science tech, other			Medical workers,exc technicians			Chiro- practors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.52	.46	.41	.08	.06	.07	.00	.00	.00
Meat	.02	.01	.00	.01	.01	.01	.00	.00	.00
Dairy	.05	.03	.02	.00	.00	.00	.00	.00	.00
Canning and preserving	.09	.08	.08	.01	.01	.01	.00	.00	.00
Grain mill	.10	.09	.07	.01	.01	.02	.00	.00	.00
Bakery	.02	.04	.07	.00	.00	.00	.00	.00	.00
Confectionery	.01	.00	.00	.00	.00	.00	.00	.00	.00
Beverages	.06	.04	.03	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.14	.12	.11	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.31	.21	.11	.00	.00	.00	.00	.00	.00
Textile mill products	3.37	2.87	3.05	.02	.01	.01	.00	.00	.00
Knitting mills	.19	.19	.30	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.54	.43	.29	.00	.00	.00	.00	.00	.00
Floor coverings	.18	.17	.26	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	2.01	1.68	1.70	.01	.01	.00	.00	.00	.00
Miscellaneous textile mill	.43	.38	.47	.00	.00	.00	.00	.00	.00
Apparel and textile products	.28	.27	.23	.01	.01	.00	.00	.00	.00
Apparel and accessories	.16	.14	.13	.01	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.12	.12	.10	.00	.00	.00	.00	.00	.00
Paper and allied products	4.47	3.98	4.12	.03	.02	.02	.00	.00	.00
Pulp,paper paperboard mills	3.52	3.02	3.06	.02	.01	.01	.00	.00	.00
Paperboard containers,boxes	.21	.17	.16	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.72	.79	.90	.00	.00	.00	.00	.00	.00
Printing and publishing	.36	.32	.24	.01	.01	.01	.00	.00	.00
Newspaper publishing, printing	.03	.03	.04	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.33	.28	.20	.01	.01	.00	.00	.00	.00
Chemicals and allied products	6.21	5.41	6.15	.18	.17	.15	.00	.00	.00
Industrial chemicals	2.35	1.97	2.63	.03	.02	.02	.00	.00	.00
Plastics and synthetics	1.05	.87	.86	.01	.00	.00	.00	.00	.00
Synthetic fibers	.79	.73	.88	.01	.00	.00	.00	.00	.00
Drugs and medicines	.73	.77	.66	.11	.12	.12	.00	.00	.00
Soaps and cosmetics	.34	.30	.26	.00	.00	.00	.00	.00	.00
Paints and varnishes	.30	.28	.34	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.14	.15	.14	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.48	.32	.33	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.73	.64	.35	.01	.01	.00	.00	.00	.00
Petroleum refining	.68	.60	.30	.01	.00	.00	.00	.00	.00
Misc petroleum,coal products	.04	.04	.05	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	3.23	3.35	2.58	.02	.02	.02	.00	.00	.00
Rubber	1.89	1.64	1.40	.01	.01	.01	.00	.00	.00
Miscellaneous plastics	1.33	1.70	1.18	.00	.01	.01	.00	.00	.00
Leather products	.15	.11	.06	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.05	.04	.02	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.04	.03	.01	.00	.00	.00	.00	.00	.00
All other leather	.04	.03	.02	.00	.00	.00	.00	.00	.00
Transportation, other public util	3.76	4.00	4.33	.09	.07	.07	.00	.00	.00
Transportation,total	.74	.72	.79	.03	.02	.01	.00	.00	.00
Railroads and railway express	.17	.12	.05	.01	.00	.00	.00	.00	.00
Local and interurban transit	.01	.02	.08	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.01	.02	.08	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.03	.05	.07	.00	.00	.00	.00	.00	.00
Trucking services	.02	.04	.06	.00	.00	.00	.00	.00	.00
Warehousing and storage	.01	.00	.00	.00	.00	.00	.00	.00	.00
Water transportation	.20	.19	.19	.00	.00	.00	.00	.00	.00
Air transportation	.22	.24	.31	.01	.00	.00	.00	.00	.00
Pipelines	.04	.04	.03	.00	.00	.00	.00	.00	.00
Transportation services	.03	.04	.04	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	3.01	3.27	3.54	.05	.05	.05	.00	.00	.00
Communications	1.02	1.04	1.09	.02	.02	.03	.00	.00	.00
Telephone(wire and radio)	.85	.83	.81	.02	.02	.03	.00	.00	.00
Telegraph,misc communicatn serv	.05	.07	.09	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.11	.13	.18	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.99	2.23	2.44	.02	.02	.01	.00	.00	.00
Electric light and power	.85	1.08	.70	.01	.01	.00	.00	.00	.00
Electric-gas utilities	.39	.37	.40	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.24	.24	.30	.00	.00	.00	.00	.00	.00
Water supply	.29	.29	.71	.00	.00	.00	.00	.00	.00
Sanitary services	.19	.20	.30	.00	.00	.00	.00	.00	.00
Other utilities	.02	.02	.02	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	2.85	3.03	2.60	7.56	6.41	5.99	.00	.00	.00
Wholesale trade	2.55	2.66	2.14	.09	.09	.08	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineering, science tech, other			Medical workers,exc technicians			Chiro- practors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.90	1.94	1.27	.08	.08	.07	.00	.00	.00
Motor vehicles and equipment	.07	.08	.06	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.50	.47	.34	.03	.03	.03	.00	.00	.00
Dry goods and apparel	.01	.00	.00	.00	.00	.00	.00	.00	.00
Food and related products	.16	.14	.08	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.04	.05	.02	.00	.00	.00	.00	.00	.00
Electrical goods	.30	.28	.17	.01	.00	.00	.00	.00	.00
Hardware and plumbing	.06	.06	.05	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.73	.81	.51	.02	.02	.02	.00	.00	.00
Miscellaneous wholesale trade	.64	.72	.87	.01	.01	.01	.00	.00	.00
Metals and minerals, other	.10	.11	.17	.00	.00	.00	.00	.00	.00
Petroleum products	.19	.19	.14	.00	.00	.00	.00	.00	.00
Scrap and waste material	.02	.04	.04	.00	.00	.00	.00	.00	.00
Paper and paper products	.06	.06	.10	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.04	.05	.09	.00	.00	.00	.00	.00	.00
Other wholesale trade	.21	.24	.29	.00	.00	.00	.00	.00	.00
<b>Retail trade</b>	<b>.29</b>	<b>.37</b>	<b>.46</b>	<b>7.47</b>	<b>6.31</b>	<b>5.91</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Building materials	.08	.08	.04	.00	.00	.00	.00	.00	.00
Lumber,building material	.07	.07	.04	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.01	.01	.00	.00	.00	.00	.00	.00	.00
General merchandise,total	.05	.05	.14	.12	.09	.04	.00	.00	.00
Department stores,mail order	.00	.00	.00	.10	.07	.03	.00	.00	.00
Direct selling	.01	.01	.03	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.03	.03	.11	.00	.00	.00	.00	.00	.00
Food and dairy stores	.01	.01	.01	.04	.03	.08	.00	.00	.00
Grocery stores	.00	.00	.00	.04	.03	.08	.00	.00	.00
Auto dealers,gas stations	.07	.13	.12	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.01	.00	.00	.00	.00	.00	.00
Gasoline service stations	.05	.09	.06	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.01	.03	.05	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.01	.01	.00	.00	.00	.00	.00	.00	.00
Eating and drinking places	.00	.00	.00	.04	.07	.09	.00	.00	.00
Miscellaneous retail trade	.06	.07	.11	7.25	6.11	5.67	.00	.00	.00
Drug stores	.02	.02	.05	7.14	5.97	5.53	.00	.00	.00
Farm,garden supply stores	.01	.03	.05	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.02	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.10	.13	.13	.00	.00	.00
<b>Finance,insurance and real estate</b>	<b>.20</b>	<b>.20</b>	<b>.24</b>	<b>.12</b>	<b>.10</b>	<b>.08</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Finance,total	.02	.02	.03	.01	.01	.01	.00	.00	.00
Banking	.00	.00	.00	.01	.01	.00	.00	.00	.00
Stock brokers,investment cos	.02	.02	.03	.00	.00	.00	.00	.00	.00
Insurance	.10	.08	.06	.08	.06	.06	.00	.00	.00
Real estate	.07	.10	.14	.01	.01	.01	.00	.00	.00
<b>Services, total</b>	<b>21.70</b>	<b>25.97</b>	<b>28.82</b>	<b>88.44</b>	<b>90.03</b>	<b>90.44</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
Hotels and lodging place	.02	.03	.04	.06	.05	.04	.00	.00	.00
Hotels and motels	.02	.03	.04	.01	.01	.01	.00	.00	.00
Other lodging places	.00	.00	.00	.04	.03	.03	.00	.00	.00
Other personal services	.08	.16	.16	.01	.02	.02	.00	.00	.00
Misc personal services	.08	.16	.16	.01	.02	.02	.00	.00	.00
Miscellaneous business services	6.27	7.75	8.21	.02	.03	.02	.00	.00	.00
Advertising	.04	.04	.02	.00	.00	.00	.00	.00	.00
Business management services	.09	.11	.15	.00	.00	.00	.00	.00	.00
Commercial research,development	5.45	6.61	6.81	.01	.01	.01	.00	.00	.00
Computer programing	.16	.19	.23	.00	.00	.00	.00	.00	.00
Detective and protective serv	.00	.01	.01	.00	.00	.00	.00	.00	.00
Employment,temporary help	.03	.07	.21	.00	.00	.00	.00	.00	.00
Services to buildings	.03	.05	.15	.00	.00	.00	.00	.00	.00
Other business services	.45	.64	.60	.01	.01	.00	.00	.00	.00
Other repair services	.06	.09	.17	.00	.00	.00	.00	.00	.00
Electrical repair	.04	.04	.12	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.02	.04	.05	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.14	.12	.22	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.02	.04	.04	.02	.05	.09	.03	.05	.00
Other entertainment	.02	.04	.04	.02	.05	.09	.03	.05	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engineerng, science tech, other			Medical workers,exc technicians			Chiro- practors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	1.61	2.25	3.03	82.64	84.26	85.66	99.91	99.75	100.00
Offices of physicians	.00	.00	.00	17.86	16.60	16.42	1.56	.00	.00
Offices of dentists	.00	.00	.00	6.39	5.93	5.34	.00	.00	.00
Offices of chiropractors	.00	.00	.00	1.14	.98	.79	97.46	98.70	98.94
Hospitals	1.30	1.62	2.55	47.16	46.10	44.06	.49	.53	.46
Convalescent institutions	.00	.00	.00	3.88	4.50	7.92	.12	.10	.34
Other health practitioners	.00	.00	.00	1.69	1.64	1.62	.23	.37	.24
Other health services	.30	.62	.48	4.49	8.47	9.47	.03	.03	.00
Legal services	.00	.00	.00	.01	.00	.01	.00	.00	.00
Educational services	10.03	9.84	6.58	3.48	3.86	3.28	.00	.00	.00
Elementary and secondary school	.17	.20	.10	2.23	2.63	1.62	.00	.00	.00
Colleges and universities	9.77	9.51	6.29	1.03	.94	1.44	.00	.00	.00
Other educational services	.08	.12	.17	.22	.29	.20	.00	.00	.00
Museums, art galleries, zoos	.03	.04	.11	.00	.00	.01	.00	.00	.00
Nonprofit organizations	.06	.08	.12	.66	.65	.66	.00	.00	.00
Religious organizations	.00	.00	.00	.10	.09	.06	.00	.00	.00
Welfare services	.00	.00	.00	.40	.38	.37	.00	.00	.00
Residential welfare services	.00	.00	.00	.06	.06	.05	.00	.00	.00
Nonprofit membership organiztns	.06	.08	.12	.09	.11	.16	.00	.00	.00
Private households	.00	.00	.00	1.35	.92	.47	.00	.00	.00
Other professional services	3.32	5.52	10.10	.14	.13	.14	.05	.19	.00
Engineering and architectural	1.14	1.76	1.89	.00	.00	.00	.00	.00	.00
Accounting and auditing	.02	.03	.02	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	2.15	3.72	8.18	.13	.12	.13	.05	.19	.00
Government, total	7.60	7.58	7.60	1.28	1.28	1.72	.00	.00	.00
Federal public administration	5.28	4.89	5.74	.64	.54	.81	.00	.00	.00
Postal services	.03	.06	.09	.02	.03	.04	.00	.00	.00
Federal pub adm, exc post office	5.24	4.83	5.65	.61	.50	.77	.00	.00	.00
State public administration	.95	1.08	.76	.44	.53	.55	.00	.00	.00
Local public administration	1.36	1.60	1.09	.19	.20	.35	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dentists			Dietitians			Optometrist		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.08	.07	.05	.00	.00	.00
Agriculture	.00	.00	.00	.08	.07	.05	.00	.00	.00
Services,except horticulture	.00	.00	.00	.08	.07	.05	.00	.00	.00
Construction	.00	.00	.00	.01	.00	.00	.00	.00	.00
General building contractors	.00	.00	.00	.01	.00	.00	.00	.00	.00
Manufacturing	.08	.07	.11	.69	.66	.85	.24	.25	.36
Durable goods	.08	.07	.11	.12	.10	.08	.24	.25	.36
Stone,clay,and glass products	.01	.00	.00	.01	.00	.00	.00	.00	.00
Cement,concrete,plaster	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.01	.00	.00	.00	.00	.00
Machinery except electrical	.00	.00	.00	.05	.04	.00	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.01	.01	.00	.00	.00	.00
Construction machines	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.01	.00	.00	.00	.00	.00
Electrical machinery	.00	.00	.00	.02	.01	.00	.02	.01	.00
Radio, tv communications equip	.00	.00	.00	.02	.01	.00	.02	.01	.00
Transportation equipment	.01	.00	.00	.00	.00	.00	.05	.01	.00
Ship,boat building and repair	.01	.00	.00	.00	.00	.00	.05	.01	.00
Professional,scientific instrs	.05	.06	.11	.04	.04	.08	.16	.23	.36
Scientific instruments	.00	.00	.00	.01	.00	.00	.00	.00	.00
Optical,health serv supplies	.05	.06	.11	.00	.00	.00	.16	.23	.36
Photo equipment and supplies	.00	.00	.00	.02	.03	.08	.00	.00	.00
Nondurable goods	.00	.00	.00	.57	.56	.77	.00	.00	.00
Food and kindred products	.00	.00	.00	.54	.54	.77	.00	.00	.00
Dairy	.00	.00	.00	.05	.05	.06	.00	.00	.00
Canning and preserving	.00	.00	.00	.05	.05	.06	.00	.00	.00
Grain mill	.00	.00	.00	.44	.44	.64	.00	.00	.00
Printing and publishing	.00	.00	.00	.03	.02	.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.03	.02	.00	.00	.00	.00
Transportation, other public util	.00	.00	.00	.01	.00	.00	.00	.00	.00
Transportation,total	.00	.00	.00	.01	.00	.00	.00	.00	.00
Local and interurban transit	.00	.00	.00	.01	.00	.00	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.01	.00	.00	.00	.00	.00
Wholesale and retail trade	.36	.21	.06	2.76	4.28	5.55	7.32	11.33	12.98
Wholesale trade	.00	.00	.00	.25	.19	.00	.17	.16	.00
Wholesale,exc misc whlsle trade	.00	.00	.00	.18	.15	.00	.17	.16	.00
Food and related products	.00	.00	.00	.07	.05	.00	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.01	.01	.00	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.09	.08	.00	.17	.16	.00
Miscellaneous wholesale trade	.00	.00	.00	.07	.04	.00	.00	.00	.00
Other wholesale trade	.00	.00	.00	.07	.04	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dentists			Dietitians			Optometrist		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.36	.20	.06	2.51	4.09	5.55	7.15	11.16	12.98
General merchandise, total	.00	.00	.00	.33	.21	.03	.11	.08	.00
Department stores, mail order	.00	.00	.00	.09	.07	.00	.11	.08	.00
Limited price stores	.00	.00	.00	.04	.02	.00	.00	.00	.00
Vending machine operators	.00	.00	.00	.19	.11	.03	.00	.00	.00
Food and dairy stores	.00	.00	.00	.23	.17	.02	.00	.00	.00
Grocery stores	.00	.00	.00	.19	.12	.00	.00	.00	.00
Food stores, other	.00	.00	.00	.04	.04	.02	.00	.00	.00
Eating and drinking places	.00	.00	.00	1.70	3.46	5.23	.00	.00	.00
Miscellaneous retail trade	.36	.20	.06	.24	.23	.26	7.03	11.07	12.98
Drug stores	.36	.20	.06	.18	.17	.23	.22	.28	.54
Farm, garden supply stores	.00	.00	.00	.05	.06	.02	.00	.00	.00
Jewelry stores	.00	.00	.00	.00	.00	.00	.07	.05	.00
Misc retail trade stores	.00	.00	.00	.00	.00	.00	6.72	10.74	12.44
Finance, insurance and real estate	.00	.00	.00	.18	.13	.00	.00	.00	.00
Finance, total	.00	.00	.00	.08	.06	.00	.00	.00	.00
Banking	.00	.00	.00	.08	.06	.00	.00	.00	.00
Insurance	.00	.00	.00	.10	.07	.00	.00	.00	.00
Services, total	98.67	99.05	99.07	93.67	92.43	88.40	92.43	88.41	86.65
Hotels and lodging place	.00	.00	.00	.31	.31	.48	.00	.00	.00
Hotels and motels	.00	.00	.00	.12	.15	.30	.00	.00	.00
Other lodging places	.00	.00	.00	.19	.16	.18	.00	.00	.00
Other personal services	.00	.00	.00	.04	.22	.50	.00	.00	.00
Misc personal services	.00	.00	.00	.04	.22	.50	.00	.00	.00
Miscellaneous business services	.01	.01	.01	.06	.07	.09	.03	.04	.00
Commercial research, development	.01	.01	.01	.06	.07	.09	.00	.00	.00
Detective and protective serv	.00	.00	.00	.00	.00	.00	.03	.04	.00
Miscellaneous entertainment	.05	.13	.33	.01	.00	.00	.00	.00	.00
Other entertainment	.05	.13	.33	.01	.00	.00	.00	.00	.00
Medical and other health service	97.93	98.35	98.05	79.60	79.67	81.21	91.89	87.93	86.01
Offices of physicians	.82	.41	.41	.47	.39	.19	3.20	2.86	4.22
Offices of dentists	93.19	93.50	90.97	.01	.00	.00	.00	.00	.00
Hospitals	2.75	2.63	3.75	68.84	67.74	63.53	.67	.60	1.72
Convalescent institutions	.06	.09	.25	7.63	8.67	16.33	.00	.00	.00
Other health practitioners	.00	.00	.00	.53	.05	.00	87.67	83.91	79.70
Other health services	1.10	1.69	2.65	2.09	2.80	1.15	.33	.54	.36
Legal services	.06	.03	.09	.00	.00	.00	.12	.03	.46
Educational services	.46	.33	.22	11.34	9.96	4.65	.13	.11	.00
Elementary and secondary school	.08	.04	.00	6.70	5.74	1.85	.03	.05	.00
Colleges and universities	.33	.24	.18	3.75	3.40	2.51	.08	.05	.00
Other educational services	.04	.04	.03	.89	.81	.29	.01	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.04	.04	.01	.00	.00	.00
Nonprofit organizations	.07	.12	.34	1.93	1.72	1.21	.08	.06	.00
Religious organizations	.00	.00	.00	.76	.72	.42	.00	.00	.00
Welfare services	.03	.04	.12	.59	.39	.12	.06	.04	.00
Residential welfare services	.00	.01	.00	.34	.36	.49	.00	.00	.00
Nonprofit membership organiztns	.03	.06	.20	.23	.23	.17	.02	.01	.00
Private households	.00	.00	.00	.07	.23	.16	.00	.00	.00
Other professional services	.07	.05	.01	.22	.18	.06	.15	.22	.17
Miscellaneous professional serv	.07	.05	.01	.22	.18	.06	.15	.22	.17
Government, total	.85	.65	.75	2.58	2.38	5.13	.00	.00	.00
Federal public administration	.55	.27	.07	1.51	.87	2.27	.00	.00	.00
Federal pub adm, exc post office	.55	.27	.07	1.51	.87	2.27	.00	.00	.00
State public administration	.30	.38	.67	.79	1.10	2.04	.00	.00	.00
Local public administration	.00	.00	.00	.28	.40	.81	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Pharmacists			Physicians and osteopaths			Podiatrists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.01	.00	.01	.00	.00	.00
Mining	.00	.00	.00	.01	.01	.00	.00	.00	.00
Metal	.00	.00	.00	.01	.01	.00	.00	.00	.00
Manufacturing	.75	.91	1.08	.44	.40	.56	.00	.00	.00
Durable goods	.01	.01	.01	.24	.21	.28	.00	.00	.00
Ordnance	.00	.00	.00	.01	.00	.00	.00	.00	.00
Primary metal industries	.00	.00	.00	.04	.02	.01	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	.02	.01	.01	.00	.00	.00
Fabricated metal products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Metal stamping	.00	.00	.00	.00	.00	.01	.00	.00	.00
Machinery except electrical	.00	.00	.00	.03	.02	.00	.00	.00	.00
Electrical machinery	.00	.00	.00	.04	.04	.01	.00	.00	.00
Radio,tv communications equip	.00	.00	.00	.02	.02	.01	.00	.00	.00
Other electrical machinery	.00	.00	.00	.01	.01	.00	.00	.00	.00
Transportation equipment	.00	.00	.00	.05	.06	.12	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.02	.02	.04	.00	.00	.00
Aircraft and parts	.00	.00	.00	.01	.02	.04	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.01	.00	.03	.00	.00	.00
Professional,scientific instrs	.00	.01	.01	.02	.03	.11	.00	.00	.00
Optical,health serv supplies	.00	.01	.01	.01	.02	.06	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.01	.01	.05	.00	.00	.00
Nondurable goods	.74	.89	1.06	.20	.19	.27	.00	.00	.00
Food and kindred products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Paper and allied products	.00	.00	.00	.01	.02	.08	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.01	.01	.04	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.00	.01	.04	.00	.00	.00
Chemicals and allied products	.74	.89	1.06	.14	.13	.18	.00	.00	.00
Industrial chemicals	.00	.00	.00	.03	.02	.04	.00	.00	.00
Synthetic filers	.00	.00	.00	.01	.01	.01	.00	.00	.00
Drugs and medicines	.72	.88	1.06	.08	.09	.11	.00	.00	.00
Soaps and cosmetics	.01	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.03	.03	.04	.07	.07	.10	.11	.11	.00
Transportation,total	.00	.00	.00	.02	.02	.01	.11	.11	.00
Railroads and railway express	.00	.00	.00	.01	.00	.00	.00	.00	.00
Water transportation	.00	.00	.00	.00	.00	.00	.11	.11	.00
Air transportation	.00	.00	.00	.00	.01	.01	.00	.00	.00
Communicatns,utils,sanitary serv	.03	.02	.04	.04	.05	.08	.00	.00	.00
Communications	.00	.00	.00	.02	.03	.06	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.02	.02	.06	.00	.00	.00
Utilities and sanitary services	.03	.02	.04	.02	.02	.01	.00	.00	.00
Electric light and power	.00	.00	.00	.00	.01	.00	.00	.00	.00
Electric-gas utilities	.01	.01	.00	.00	.00	.00	.00	.00	.00
Water supply	.01	.01	.04	.00	.00	.00	.00	.00	.00
Sanitary services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Wholesale and retail trade	87.21	85.35	81.71	.26	.21	.21	.00	.00	.00
Wholesale trade	.42	.45	.56	.01	.01	.01	.00	.00	.00
Wholesale,exc misc whisle trade	.39	.42	.52	.01	.01	.01	.00	.00	.00
Drugs,chemicals,allied product	.34	.35	.41	.00	.00	.01	.00	.00	.00
Food and related products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.04	.06	.10	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.02	.02	.04	.00	.00	.00	.00	.00	.00
Other wholesale trade	.02	.02	.04	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Pharmacists			Physicians and osteopaths			Podiatrists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	86.79	84.90	81.14	.24	.20	.20	.00	.00	.00
General merchandise, total	.75	.63	.31	.01	.00	.00	.00	.00	.00
Department stores, mail order	.63	.53	.20	.01	.00	.00	.00	.00	.00
Limited price stores	.04	.04	.08	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.07	.05	.02	.00	.00	.00	.00	.00	.00
Food and dairy stores	.38	.31	1.13	.01	.00	.00	.00	.00	.00
Grocery stores	.38	.31	1.13	.01	.00	.00	.00	.00	.00
Miscellaneous retail trade	85.65	83.94	79.70	.22	.18	.20	.00	.00	.00
Drug stores	85.57	83.85	79.64	.22	.18	.20	.00	.00	.00
Liquor stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.06	.07	.05	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.14	.10	.10	.00	.00	.00
Insurance	.00	.00	.00	.13	.10	.10	.00	.00	.00
Services, total	11.60	13.22	15.69	97.88	97.98	96.48	99.88	99.88	100.00
Hotels and lodging place	.01	.01	.00	.00	.00	.00	.00	.00	.00
Hotels and motels	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other personal services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Misc personal services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Miscellaneous business services	.01	.01	.00	.01	.01	.00	.00	.00	.00
Commercial research, development	.01	.01	.00	.01	.01	.00	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.02	.06	.23	.00	.00	.00
Other entertainment	.00	.00	.00	.02	.06	.23	.00	.00	.00
Medical and other health service	11.22	12.84	15.38	95.18	95.29	93.72	99.48	99.56	100.00
Offices of physicians	.59	.40	.94	63.77	62.20	65.83	5.74	4.19	2.26
Offices of chiropractors	.00	.00	.00	.01	.00	.00	.00	.00	.00
Hospitals	10.37	12.06	13.78	29.74	29.66	24.61	3.88	4.84	3.02
Convalescent institutions	.08	.11	.13	.12	.17	.19	.07	.03	.00
Other health practitioners	.00	.00	.00	.04	.06	.14	89.39	89.81	94.43
Other health services	.16	.25	.51	1.47	3.18	2.92	.38	.67	.27
Legal services	.00	.00	.00	.01	.00	.00	.00	.00	.00
Educational services	.27	.25	.15	2.06	1.97	1.68	.17	.14	.00
Elementary and secondary school	.03	.02	.00	.21	.22	.17	.10	.08	.00
Colleges and universities	.24	.23	.15	1.79	1.69	1.45	.07	.06	.00
Other educational services	.00	.00	.00	.05	.05	.05	.00	.00	.00
Nonprofit organizations	.05	.07	.12	.41	.44	.67	.14	.08	.00
Religious organizations	.00	.00	.00	.13	.13	.10	.14	.08	.00
Welfare services	.04	.06	.12	.16	.15	.25	.00	.00	.00
Residential welfare services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Nonprofit membership organiztns	.01	.01	.00	.10	.13	.32	.00	.00	.00
Private housechlds	.00	.00	.00	.00	.01	.01	.00	.00	.00
Other professional services	.02	.03	.03	.16	.16	.12	.08	.08	.00
Miscellaneous professional serv	.02	.03	.03	.16	.16	.12	.08	.08	.00
Government, total	.38	.46	1.46	1.15	1.19	2.52	.00	.00	.00
Federal public administration	.21	.21	.93	.77	.70	1.18	.00	.00	.00
Postal services	.00	.00	.00	.02	.02	.03	.00	.00	.00
Federal pub adm, exc post office	.21	.21	.93	.75	.67	1.15	.00	.00	.00
State public administration	.12	.22	.52	.27	.38	.84	.00	.00	.00
Local public administration	.03	.03	.00	.10	.10	.49	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Registered nurses			Therapists			Veterinarians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.02	.01	.00	.00	.00	.00	85.54	82.43	68.48
Agriculture	.02	.01	.00	.00	.00	.00	85.54	82.43	68.48
Agricultural production	.00	.00	.00	.00	.00	.00	.89	2.32	1.40
Services,except horticulture	.02	.01	.00	.00	.00	.00	84.64	80.11	67.08
Mining	.01	.01	.01	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.01	.00	.00	.00	.00	.00	.00
Construction	.02	.01	.01	.00	.00	.00	.00	.00	.00
General contractors,exc building	.01	.01	.01	.00	.00	.00	.00	.00	.00
Manufacturing	1.64	1.10	.75	.05	.03	.01	1.45	1.46	1.65
Durable goods	1.12	.74	.47	.05	.03	.01	.02	.00	.00
Ordnance	.04	.01	.00	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.01	.01	.01	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.05	.04	.03	.00	.00	.00	.00	.00	.00
Glass and glass products	.03	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.01	.00	.00	.00	.00	.00	.00	.00	.00
Primary metal industries	.19	.13	.10	.00	.00	.00	.00	.00	.00
Blast furnaces,steel works	.09	.05	.05	.00	.00	.00	.00	.00	.00
Other primary steel	.04	.03	.02	.00	.00	.00	.00	.00	.00
Primary aluminum	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.03	.02	.02	.00	.00	.00	.00	.00	.00
Fabricated metal products	.11	.07	.03	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.01	.01	.01	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.02	.01	.01	.00	.00	.00	.00	.00	.00
Metal stamping	.02	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.04	.02	.00	.00	.00	.00	.00	.00	.00
Machinery except electrical	.19	.12	.04	.00	.00	.00	.00	.00	.00
Engines and turbines	.01	.01	.00	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.01	.01	.01	.00	.00	.00	.00	.00	.00
Construction machines	.03	.02	.00	.00	.00	.00	.00	.00	.00
Metalworking machinery	.02	.01	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.07	.04	.00	.00	.00	.00	.00	.00	.00
Electrical machinery	.20	.11	.05	.01	.00	.00	.00	.00	.00
Household appliances	.02	.00	.00	.00	.00	.00	.00	.00	.00
Radio,tv communications equip	.07	.03	.01	.01	.00	.00	.00	.00	.00
Other electrical machinery	.11	.07	.03	.00	.00	.00	.00	.00	.00
Transportation equipment	.21	.16	.12	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.11	.09	.08	.00	.00	.00	.00	.00	.00
Aircraft and parts	.07	.04	.03	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.01	.01	.01	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.04	.03	.02	.01	.01	.01	.02	.00	.00
Scientific instruments	.01	.01	.00	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.01	.01	.01	.01	.01	.01	.02	.00	.00
Photo equipment and supplies	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.02	.02	.02	.01	.00	.00	.00	.00	.00
Nondurable goods	.52	.36	.28	.00	.00	.00	1.42	1.46	1.65

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Registered nurses			Therapists			Veterinarians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.11	.08	.07	.00	.00	.00	.58	.58	1.00
Meat	.02	.01	.01	.00	.00	.00	.28	.34	.65
Dairy	.00	.00	.00	.00	.00	.00	.04	.01	.00
Canning and preserving	.02	.02	.02	.00	.00	.00	.00	.00	.00
Grain mill	.00	.00	.00	.00	.00	.00	.26	.23	.35
Bakery	.01	.00	.00	.00	.00	.00	.00	.00	.00
Confectionery	.01	.00	.00	.00	.00	.00	.00	.00	.00
Beverages	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.01	.00	.00	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Textile mill products	.05	.03	.03	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.03	.02	.01	.00	.00	.00	.00	.00	.00
Apparel and textile products	.02	.01	.01	.00	.00	.00	.00	.00	.00
Apparel and accessories	.01	.01	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.06	.03	.01	.00	.00	.00	.00	.00	.00
Pulp, paper paperboard mills	.04	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.01	.00	.00	.00	.00	.00	.00	.00	.00
Printing and publishing	.02	.02	.02	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.02	.01	.01	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.14	.09	.06	.00	.00	.00	.84	.87	.64
Industrial chemicals	.04	.03	.02	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.01	.00	.00	.00	.00	.00	.00	.00	.00
Synthetic fibers	.01	.01	.00	.00	.00	.00	.00	.00	.00
Drugs and medicines	.03	.03	.03	.00	.00	.00	.81	.85	.62
Soaps and cosmetics	.01	.00	.00	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.02	.02	.02
Miscellaneous chemicals	.01	.00	.00	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Petroleum refining	.02	.01	.00	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.05	.04	.04	.00	.00	.00	.00	.00	.00
Rubber	.03	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.01	.01	.01	.00	.00	.00	.00	.00	.00
Leather products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.13	.10	.09	.02	.01	.00	.00	.00	.00
Transportation, total	.04	.03	.02	.02	.01	.00	.00	.00	.00
Railroads and railway express	.01	.00	.00	.00	.00	.00	.00	.00	.00
Water transportation	.00	.00	.00	.01	.00	.00	.00	.00	.00
Air transportation	.01	.01	.00	.00	.00	.00	.00	.00	.00
Communicatns, utils, sanitary serv	.08	.07	.06	.00	.00	.00	.00	.00	.00
Communications	.04	.03	.04	.00	.00	.00	.00	.00	.00
Telephone (wire and radio)	.03	.03	.04	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.04	.03	.02	.00	.00	.00	.00	.00	.00
Electric light and power	.01	.02	.00	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.01	.00	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	.21	.18	.13	.29	.29	.18	.30	.31	.22
Wholesale trade	.07	.06	.05	.10	.10	.04	.21	.24	.16
Wholesale, exc misc whlsle trade	.05	.05	.04	.10	.10	.04	.21	.24	.16
Drugs, chemicals, allied product	.00	.00	.00	.00	.00	.00	.04	.02	.00
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.16	.22	.16
Electrical goods	.01	.01	.00	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.02	.02	.01	.10	.10	.04	.00	.00	.00
Miscellaneous wholesale trade	.01	.01	.01	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Registered nurses			Therapists			Veterinarians		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.14	.11	.07	.18	.19	.14	.09	.07	.06
General merchandise, total	.09	.07	.04	.00	.00	.00	.00	.00	.00
Department stores, mail order	.08	.06	.04	.00	.00	.00	.00	.00	.00
Food and dairy stores	.01	.01	.01	.01	.01	.00	.00	.00	.00
Grocery stores	.01	.01	.01	.01	.01	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Apparel, accessory, except shoes	.00	.00	.01	.00	.00	.00	.00	.00	.00
Eating and drinking places	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.15	.17	.14	.09	.07	.06
Drug stores	.00	.00	.00	.01	.00	.00	.02	.01	.00
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.06	.05	.06
Misc retail trade stores	.00	.00	.00	.14	.16	.14	.00	.00	.00
Finance, insurance and real estate	.16	.12	.10	.14	.12	.09	.00	.00	.00
Finance, total	.03	.02	.02	.00	.00	.00	.00	.00	.00
Banking	.02	.02	.01	.00	.00	.00	.00	.00	.00
Insurance	.10	.07	.06	.09	.08	.09	.00	.00	.00
Real estate	.03	.02	.01	.05	.04	.00	.00	.00	.00
Services, total	96.76	97.55	97.99	94.69	95.48	96.90	6.77	7.55	9.98
Hotels and lodging place	.08	.07	.05	.08	.09	.08	.00	.00	.00
Hotels and motels	.02	.02	.00	.02	.01	.00	.00	.00	.00
Other lodging places	.06	.04	.04	.06	.08	.08	.00	.00	.00
Other personal services	.00	.01	.01	.09	.15	.08	.00	.00	.00
Misc personal services	.00	.01	.01	.09	.15	.08	.00	.00	.00
Miscellaneous business services	.03	.02	.00	.04	.06	.07	.10	.17	.53
Commercial research, development	.00	.00	.00	.01	.01	.02	.10	.17	.53
Other business services	.01	.01	.00	.03	.04	.05	.00	.00	.00
Miscellaneous entertainment	.01	.02	.02	.14	.20	.11	.14	.22	.38
Other entertainment	.01	.02	.02	.14	.20	.11	.14	.22	.38
Medical and other health service	89.76	91.97	93.16	74.56	72.99	81.31	3.61	3.34	3.38
Offices of physicians	8.21	7.78	6.82	2.73	2.55	2.90	.00	.00	.00
Offices of dentists	.20	.20	.17	.02	.00	.00	.00	.00	.00
Offices of chiropractors	.02	.08	.02	.14	.20	.06	.00	.00	.00
Hospitals	68.11	65.09	60.55	55.55	45.35	49.72	2.76	2.64	2.92
Convalescent institutions	6.63	7.24	11.91	4.38	5.82	12.99	.02	.01	.00
Other health practitioners	.04	.03	.02	.29	.30	.44	.00	.00	.00
Other health services	6.53	11.51	13.64	11.44	18.75	15.18	.83	.67	.46
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	3.38	3.05	3.23	16.57	18.77	12.46	2.12	2.60	2.77
Elementary and secondary school	2.47	2.28	1.37	12.91	14.91	9.56	.00	.00	.00
Colleges and universities	.78	.64	1.77	1.58	1.51	1.18	2.11	2.60	2.77
Other educational services	.12	.12	.07	2.08	2.34	1.71	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.09	.16	.72
Nonprofit organizations	.69	.53	.46	2.76	2.68	2.47	.47	.69	1.54
Religious organizations	.10	.08	.04	.15	.14	.09	.00	.00	.00
Welfare services	.43	.31	.28	2.07	1.97	1.83	.00	.00	.00
Residential welfare services	.07	.06	.02	.18	.26	.39	.00	.00	.00
Nonprofit membership organiztns	.07	.07	.10	.34	.29	.15	.47	.69	1.54
Private households	2.60	1.70	.85	.20	.31	.07	.00	.00	.00
Other professional services	.15	.13	.15	.20	.20	.21	.21	.34	.63
Accounting and auditing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.12	.11	.14	.20	.20	.21	.21	.34	.63
Government, total	1.00	.87	.88	4.78	4.03	2.80	5.92	8.22	19.64
Federal public administration	.53	.39	.37	.93	.63	.39	4.06	6.09	16.74
Postal services	.04	.05	.07	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	.48	.34	.30	.93	.63	.39	4.06	6.09	16.74
State public administration	.25	.25	.24	3.09	2.77	1.20	1.75	2.05	2.89
Local public administration	.22	.22	.25	.75	.62	1.20	.10	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other medical, health tech			Health, technolgt, technicians			Clinical lab technol- ogists, tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.50	.36	.00	.09	.09	.06	.05	.03	.02
Agriculture	.50	.36	.00	.09	.09	.06	.05	.03	.02
Services, except horticulture	.50	.36	.00	.09	.09	.06	.05	.03	.02
Construction	.00	.00	.00	.01	.00	.00	.01	.00	.00
General contractors, exc building	.00	.00	.00	.01	.00	.00	.01	.00	.00
Manufacturing	3.90	5.08	1.36	1.45	1.39	.95	.69	.50	.46
Durable goods	.00	.00	.00	.98	1.04	.75	.24	.18	.17
Ordnance	.00	.00	.00	.02	.01	.00	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Primary metal industries	.00	.00	.00	.02	.01	.00	.02	.01	.00
Blast furnaces, steel works	.00	.00	.00	.01	.00	.00	.01	.00	.00
Machinery except electrical	.00	.00	.00	.03	.03	.03	.03	.02	.01
Construction machines	.00	.00	.00	.01	.01	.01	.01	.01	.01
Electronic computing equipment	.00	.00	.00	.00	.00	.01	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	.00	.00	.00	.01	.00	.00
Electrical machinery	.00	.00	.00	.03	.02	.00	.04	.03	.02
Radio, tv communications equip	.00	.00	.00	.01	.01	.00	.02	.02	.02
Other electrical machinery	.00	.00	.00	.02	.01	.00	.01	.01	.00
Transportation equipment	.00	.00	.00	.16	.09	.06	.05	.04	.05
Aircraft and parts	.00	.00	.00	.03	.02	.02	.03	.02	.03
Ship, boat building and repair	.00	.00	.00	.12	.06	.04	.02	.01	.02
Professional, scientific instrs	.00	.00	.00	.66	.84	.63	.06	.06	.08
Scientific instruments	.00	.00	.00	.03	.02	.01	.02	.02	.02
Optical, health serv supplies	.00	.00	.00	.63	.81	.61	.03	.03	.05
Nondurable goods	3.90	5.08	1.36	.47	.34	.20	.45	.31	.29
Food and kindred products	.70	.69	.32	.03	.02	.00	.03	.01	.00
Grain mill	.70	.69	.32	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.01	.00	.00	.01	.01	.00
Textile mill products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Knitting mills	.00	.00	.00	.00	.00	.00	.01	.01	.01
Apparel and textile products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.01	.00	.00
Paper and allied products	.00	.00	.00	.01	.00	.00	.01	.00	.00
Pulp, paper, paperboard mills	.00	.00	.00	.01	.00	.00	.00	.00	.00
Printing and publishing	.30	.14	.00	.03	.02	.00	.00	.00	.00
Newspaper publishing, printing	.30	.14	.00	.02	.01	.00	.00	.00	.00
Other printing, exc newspapers	.00	.00	.00	.01	.01	.00	.00	.00	.00
Chemicals and allied products	2.90	4.23	1.04	.32	.25	.16	.33	.23	.23
Industrial chemicals	.00	.00	.00	.09	.07	.06	.04	.03	.06
Synthetic fibers	.00	.00	.00	.00	.00	.00	.01	.00	.00
Drugs and medicines	2.90	4.23	1.04	.19	.15	.07	.22	.16	.12
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous chemicals	.00	.00	.00	.01	.00	.01	.02	.01	.03
Petroleum and coal products	.00	.00	.00	.02	.01	.00	.01	.01	.00
Petroleum refining	.00	.00	.00	.02	.01	.00	.01	.01	.00
Rubber, miscellaneous plastics	.00	.00	.00	.01	.01	.01	.02	.02	.02
Miscellaneous plastics	.00	.00	.00	.00	.00	.01	.01	.02	.02
Transportation, other public util	.40	.23	.00	.24	.21	.12	.11	.07	.10
Transportation, total	.40	.23	.00	.05	.03	.02	.07	.04	.06
Railroads and railway express	.00	.00	.00	.01	.00	.00	.02	.00	.00
Local and interurban transit	.00	.00	.00	.02	.01	.01	.02	.01	.03
Street railways and bus lines	.00	.00	.00	.02	.01	.01	.02	.01	.03
Air transportation	.40	.23	.00	.01	.01	.01	.02	.02	.03
Communicatns, utils, sanitary serv	.00	.00	.00	.19	.17	.09	.03	.03	.03
Utilities and sanitary services	.00	.00	.00	.18	.17	.09	.03	.02	.03
Electric-gas utilities	.00	.00	.00	.01	.01	.01	.02	.02	.03
Water supply	.00	.00	.00	.02	.02	.01	.00	.00	.00
Sanitary services	.00	.00	.00	.13	.12	.06	.00	.00	.00
Wholesale and retail trade	2.30	2.76	1.17	.30	.31	.21	.18	.14	.14
Wholesale trade	1.90	2.52	1.17	.13	.11	.05	.10	.08	.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other medical, health tech			Health, technolgt, technicians			Clinicl lab technol- ogists,tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.90	2.52	1.17	.13	.11	.05	.10	.08	.07
Drugs,chemicals,allied product	1.90	2.52	1.17	.04	.03	.02	.05	.03	.03
Machinery equipment,supplies	.00	.00	.00	.08	.07	.03	.04	.04	.04
Retail trade	.40	.23	.00	.17	.19	.15	.08	.05	.06
General merchandise,total	.00	.00	.00	.00	.00	.01	.01	.01	.04
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.01	.01	.01	.04
Food and dairy stores	.00	.00	.00	.01	.01	.00	.01	.00	.00
Grocery stores	.00	.00	.00	.01	.01	.00	.01	.00	.00
Miscellaneous retail trade	.40	.23	.00	.14	.17	.14	.05	.03	.01
Drug stores	.00	.00	.00	.04	.03	.01	.05	.03	.01
Misc retail trade stores	.40	.23	.00	.09	.14	.12	.00	.00	.00
Finance,insurance and real estate	.00	.00	.00	.08	.05	.01	.13	.08	.04
Insurance	.00	.00	.00	.08	.04	.01	.13	.08	.04
Services, total	91.60	90.47	97.45	96.64	97.17	96.48	97.64	98.35	97.63
Miscellaneous business services	.50	.86	.45	.18	.20	.24	.19	.21	.37
Commercial research,development	.50	.86	.45	.14	.15	.20	.19	.21	.37
Other business services	.00	.00	.00	.03	.04	.03	.00	.00	.00
Motion pictures and theaters	.40	.23	.00	.02	.01	.01	.00	.00	.00
Miscellaneous entertainment	.50	.52	.00	.01	.02	.01	.01	.01	.00
Other entertainment	.50	.52	.00	.01	.02	.01	.01	.01	.00
Medical and other health service	86.70	86.43	97.00	89.24	89.89	91.11	94.57	95.59	94.20
Offices of physicians	2.90	.98	.00	7.55	7.71	8.31	6.80	7.05	9.27
Offices of dentists	.00	.00	.00	5.33	6.53	8.58	.09	.13	.06
Offices of chiropractors	.00	.00	.00	.02	.08	.00	.01	.04	.00
Hospitals	8.40	6.29	.00	66.29	59.20	62.30	75.35	65.91	70.52
Convalescent institutions	.70	.57	.00	.37	.45	.66	.24	.25	.21
Other health practitioners	73.10	72.33	90.73	.83	1.34	1.54	.01	.01	.03
Other health services	1.60	6.23	6.26	8.83	14.55	9.69	12.05	22.18	14.09
Educational services	3.50	2.40	.00	6.26	6.17	4.18	2.06	1.85	1.88
Elementary and secondary school	.00	.00	.00	.29	.22	.20	.08	.05	.00
Colleges and universities	3.50	2.40	.00	5.96	5.93	3.97	1.97	1.79	1.88
Other educational services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.00	.01	.01	.01	.01	.04
Nonprofit organizations	.00	.00	.00	.32	.25	.29	.36	.29	.50
Welfare services	.00	.00	.00	.22	.17	.24	.28	.24	.48
Nonprofit membership organiztns	.00	.00	.00	.08	.07	.04	.08	.05	.02
Other professional services	.00	.00	.00	.56	.57	.58	.40	.37	.61
Engineering and architectural	.00	.00	.00	.02	.03	.02	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.54	.54	.56	.40	.37	.61
Government,total	1.30	1.07	.00	1.13	.75	2.13	1.16	.78	1.58
Federal public administration	.00	.00	.00	.75	.43	.19	.68	.40	.23
Federal pub adm,exc post office	.00	.00	.00	.75	.43	.19	.68	.40	.23
State public administration	.00	.00	.00	.25	.20	.44	.34	.26	.61
Local public administration	1.30	1.07	.00	.12	.10	1.48	.14	.11	.72

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dental hygienists			Health rec- ord technl- ogist,tech			Radiologic technol- ogists,tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.01	.00	.00
Agriculture	.00	.00	.00	.00	.00	.00	.01	.00	.00
Services,except horticulture	.00	.00	.00	.00	.00	.00	.01	.00	.00
Construction	.00	.00	.00	.00	.00	.00	.02	.01	.00
General building contractors	.00	.00	.00	.00	.00	.00	.01	.00	.00
General contractors,exc building	.00	.00	.00	.00	.00	.00	.01	.00	.00
Manufacturing	.10	.06	.07	.00	.00	.00	.16	.11	.09
Durable goods	.10	.06	.07	.00	.00	.00	.11	.08	.09
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Glass and glass products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Primary metal industries	.00	.00	.00	.00	.00	.00	.02	.01	.00
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.01	.00	.00
Fabricated metal products	.00	.00	.00	.00	.00	.00	.01	.01	.00
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.01	.01	.00
Machinery except electrical	.00	.00	.00	.00	.00	.00	.02	.03	.09
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.01	.03	.09
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.01	.00	.00
Electrical machinery	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other electrical machinery	.00	.00	.00	.00	.00	.00	.01	.01	.00
Transportation equipment	.03	.00	.00	.00	.00	.00	.01	.01	.00
Ship,boat building and repair	.03	.00	.00	.00	.00	.00	.01	.00	.00
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.01	.00	.00
Professional,scientific instrs	.06	.05	.07	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.06	.05	.07	.00	.00	.00	.00	.00	.00
Nondurable goods	.00	.00	.00	.00	.00	.00	.04	.02	.00
Printing and publishing	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.02	.01	.00
Chemicals and allied products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Paints and varnishes	.00	.00	.00	.00	.00	.00	.01	.00	.00
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	.00	.00	.00	.00	.00	.00	.04	.02	.00
Transportation,total	.00	.00	.00	.00	.00	.00	.01	.01	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.02	.01	.00
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.02	.01	.00
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.02	.01	.00
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	.01	.01	.00
Wholesale trade	.00	.00	.00	.00	.00	.00	.01	.01	.00
Wholesale,exc misc whlsle trade	.00	.00	.00	.00	.00	.00	.01	.01	.00
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.01	.01	.00
Finance,insurance and real estate	.03	.01	.00	.00	.00	.00	.00	.00	.00
Finance,total	.03	.01	.00	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.03	.01	.00	.00	.00	.00	.00	.00	.00
Services, total	98.84	99.51	99.66	98.26	98.85	100.00	99.38	99.58	99.73
Miscellaneous business services	.01	.01	.00	.00	.00	.00	.14	.13	.10
Commercial research,development	.01	.01	.00	.00	.00	.00	.09	.09	.10
Other business services	.00	.00	.00	.00	.00	.00	.04	.03	.00
Miscellaneous entertainment	.21	.22	.19	.00	.00	.00	.00	.00	.00
Other entertainment	.21	.22	.19	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dental hygienists			Health rec- ord technol- ogist,tech			Radiologic technol- ogists,tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	94.70	96.28	96.65	94.25	96.39	99.10	98.36	98.78	99.25
Offices of physicians	1.06	.86	1.01	1.47	1.25	.89	17.80	17.03	16.19
Offices of dentists	85.19	89.01	85.52	.86	.80	.32	.93	1.25	.93
Offices of chiropractors	.00	.00	.00	.05	.14	.04	.08	.29	.00
Hospitals	1.71	.90	.91	90.22	91.53	92.79	73.30	71.26	75.03
Convalescent institutions	.13	.11	.30	.61	.77	2.00	.10	.17	.43
Other health practitioners	.03	.00	.00	.00	.00	.00	1.78	1.55	2.79
Other health services	6.55	5.38	8.89	1.03	1.89	3.04	4.35	7.20	3.86
Educational services	3.68	2.90	2.81	3.74	2.29	.90	.57	.39	.17
Elementary and secondary school	2.81	2.29	2.06	.44	.28	.00	.09	.05	.00
Colleges and universities	.66	.46	.60	3.29	2.01	.90	.47	.34	.17
Other educational services	.20	.14	.14	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.15	.05	.00	.26	.16	.00	.10	.09	.08
Welfare services	.07	.02	.00	.13	.07	.00	.03	.02	.00
Residential welfare services	.00	.00	.00	.03	.03	.00	.00	.00	.00
Nonprofit membership organiztns	.07	.03	.00	.09	.06	.00	.06	.06	.08
Other professional services	.06	.02	.00	.00	.00	.00	.21	.17	.11
Miscellaneous professional serv	.06	.02	.00	.00	.00	.00	.21	.17	.11
Government,total	1.02	.41	.26	1.74	1.14	.00	.35	.25	.17
Federal public administration	.88	.35	.26	1.21	.78	.00	.28	.20	.17
Federal pub adm,exc post office	.88	.35	.26	1.21	.78	.00	.28	.20	.17
State public administration	.06	.02	.00	.43	.30	.00	.04	.03	.00
Local public administration	.08	.03	.00	.08	.05	.00	.02	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Therapy assistants			Other health technicians			Technicians except health		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.31	.30	.23	1.99	2.10	2.02
Agriculture	.00	.00	.00	.29	.28	.22	1.59	1.50	1.68
Agricultural production	.00	.00	.00	.00	.00	.00	.03	.02	.00
Services,except horticulture	.00	.00	.00	.29	.28	.22	1.55	1.48	1.68
Forestry	.00	.00	.00	.01	.01	.00	.40	.59	.34
Mining	.00	.00	.00	.02	.02	.00	1.01	1.76	2.08
Metal	.00	.00	.00	.02	.01	.00	.08	.09	.09
Coal	.00	.00	.00	.00	.00	.00	.04	.06	.07
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.75	1.47	1.80
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.11	.12	.11
Construction	.00	.00	.00	.03	.01	.00	2.13	2.17	2.19
General building contractors	.00	.00	.00	.00	.00	.00	.10	.13	.15
General contractors,exc building	.00	.00	.00	.02	.01	.00	1.81	1.79	1.75
Special trade contractors	.00	.00	.00	.00	.00	.00	.21	.25	.27
Manufacturing	2.31	1.17	.00	4.85	4.42	2.90	7.51	6.94	7.18
Durable goods	.34	.13	.00	3.80	3.66	2.57	5.92	5.44	5.68
Ordnance	.00	.00	.00	.13	.05	.02	.43	.25	.27
Lumber and wood products	.00	.00	.00	.00	.00	.00	.10	.12	.16
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.08	.09	.11
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.02	.02	.05
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.04	.05	.09
Stone,clay,and glass products	.22	.06	.00	.02	.01	.00	.25	.25	.20
Glass and glass products	.00	.00	.00	.00	.00	.00	.08	.08	.08
Cement,concrete,plaster	.22	.06	.00	.00	.00	.00	.12	.11	.07
Pottery and related products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous nonmetallic,stone	.00	.00	.00	.02	.01	.00	.03	.03	.02
Primary metal industries	.00	.00	.00	.04	.01	.00	.31	.30	.31
Blast furnaces,steel works	.00	.00	.00	.04	.01	.00	.11	.10	.10
Other primary steel	.00	.00	.00	.00	.00	.00	.05	.06	.06
Primary aluminum	.00	.00	.00	.00	.00	.00	.04	.05	.04
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.08	.08	.09
Fabricated metal products	.00	.00	.00	.02	.01	.00	.28	.29	.31
Cutlery and other hardware	.00	.00	.00	.01	.00	.00	.03	.03	.03
Fabricated structural metal	.00	.00	.00	.01	.00	.00	.08	.08	.10
Screw machine products	.00	.00	.00	.00	.00	.00	.01	.00	.01
Metal stamping	.00	.00	.00	.00	.00	.00	.04	.04	.03
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.11	.12	.13
Machinery except electrical	.00	.00	.00	.06	.05	.02	1.26	1.43	2.01
Engines and turbines	.00	.00	.00	.01	.01	.00	.10	.11	.10
Farm machinery and equipment	.00	.00	.00	.01	.00	.00	.03	.03	.05
Construction machines	.00	.00	.00	.03	.03	.01	.13	.18	.28
Metalworking machinery	.00	.00	.00	.00	.00	.00	.28	.33	.55
Office and accounting machines	.00	.00	.00	.00	.00	.00	.08	.05	.04
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.23	.31	.55
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.39	.39	.42
Electrical machinery	.00	.00	.00	.06	.02	.00	.78	.79	.85
Household appliances	.00	.00	.00	.00	.00	.00	.03	.04	.05
Radio,tv communications equip	.00	.00	.00	.02	.00	.00	.31	.26	.20
Other electrical machinery	.00	.00	.00	.04	.02	.00	.42	.49	.60
Transportation equipment	.11	.06	.00	.58	.30	.17	2.04	1.51	1.04
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.15	.17	.21
Aircraft and parts	.00	.00	.00	.09	.06	.03	1.65	1.15	.65
Ship,boat building and repair	.11	.06	.00	.48	.23	.13	.21	.16	.17
Railroad equipment	.00	.00	.00	.00	.00	.00	.01	.01	.00
Mobile dwellings	.00	.00	.00	.01	.00	.01	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	2.88	3.18	2.34	.30	.33	.34
Scientific instruments	.00	.00	.00	.07	.06	.03	.19	.20	.19
Optical,health serv supplies	.00	.00	.00	2.81	3.12	2.30	.05	.07	.08
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.04	.05	.06
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	.09	.08	.07
Nondurable goods	1.97	1.04	.00	1.04	.75	.33	1.59	1.50	1.50

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Therapy assistants			Other health technicians			Technicians except health		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.08	.05	.01	.18	.13	.11
Meat	.00	.00	.00	.00	.00	.00	.01	.01	.00
Dairy	.00	.00	.00	.01	.00	.00	.00	.00	.00
Grain mill	.00	.00	.00	.03	.02	.00	.00	.00	.00
Bakery	.00	.00	.00	.01	.00	.00	.03	.03	.03
Beverages	.00	.00	.00	.00	.00	.00	.09	.06	.03
Miscellaneous food preparation	.00	.00	.00	.02	.01	.00	.01	.01	.03
Tobacco manufacturing	.00	.00	.00	.03	.01	.00	.02	.02	.02
Textile mill products	.00	.00	.00	.00	.00	.00	.12	.13	.17
Knitting mills	.00	.00	.00	.00	.00	.00	.00	.00	.01
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.09	.10	.12
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.01	.01	.03
Apparel and textile products	.00	.00	.00	.00	.00	.00	.02	.02	.03
Apparel and accessories	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.01	.01	.03
Paper and allied products	.00	.00	.00	.02	.01	.01	.24	.22	.24
Pulp,paper paperboard mills	.00	.00	.00	.02	.01	.01	.17	.14	.14
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.04	.04	.06
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.03	.03	.03
Printing and publishing	1.97	1.04	.00	.02	.01	.00	.09	.09	.08
Newspaper publishing, printing	1.54	.84	.00	.00	.00	.00	.01	.02	.03
Other printing,exc newspapers	.42	.19	.00	.02	.01	.00	.07	.06	.05
Chemicals and allied products	.00	.00	.00	.75	.57	.28	.46	.43	.48
Industrial chemicals	.00	.00	.00	.32	.23	.15	.20	.19	.22
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.03	.04	.05
Synthetic fibers	.00	.00	.00	.00	.00	.00	.04	.05	.07
Drugs and medicines	.00	.00	.00	.39	.32	.11	.03	.04	.04
Soaps and cosmetics	.00	.00	.00	.01	.00	.00	.04	.04	.03
Paints and varnishes	.00	.00	.00	.01	.00	.00	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.02	.01	.00
Miscellaneous chemicals	.00	.00	.00	.01	.00	.00	.06	.04	.04
Petroleum and coal products	.00	.00	.00	.07	.04	.01	.15	.14	.09
Petroleum refining	.00	.00	.00	.07	.04	.01	.14	.14	.09
Rubber,miscellaneous plastics	.00	.00	.00	.02	.00	.00	.26	.27	.24
Rubber	.00	.00	.00	.02	.00	.00	.19	.17	.14
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.06	.10	.09
Leather products	.00	.00	.00	.03	.01	.00	.02	.01	.00
Footwear, except rubber	.00	.00	.00	.03	.01	.00	.00	.00	.00
All other leather	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	.37	.26	.00	.82	.66	.32	34.96	33.26	31.00
Transportation,total	.17	.06	.00	.07	.04	.00	29.16	27.17	26.48
Railroads and railway express	.00	.00	.00	.02	.01	.00	.06	.05	.03
Local and interurban transit	.17	.06	.00	.01	.00	.00	.53	.55	.29
Street railways and bus lines	.17	.06	.00	.01	.00	.00	.11	.08	.14
Taxicab service	.00	.00	.00	.00	.00	.00	.42	.46	.15
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.46	.52	.37
Trucking services	.00	.00	.00	.00	.00	.00	.44	.50	.36
Warehousing and storage	.00	.00	.00	.00	.00	.00	.01	.01	.00
Water transportation	.00	.00	.00	.00	.01	.00	.56	.48	.24
Air transportation	.00	.00	.00	.02	.01	.00	27.26	25.27	25.34
Pipelines	.00	.00	.00	.00	.00	.00	.13	.13	.08
Transportation services	.00	.00	.00	.00	.00	.00	.12	.15	.10
Communicatns,utils,sanitary serv	.20	.19	.00	.75	.62	.32	5.80	6.09	4.52
Communications	.20	.19	.00	.02	.01	.00	3.91	4.16	3.13
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.62	.68	.83
Telegraph,misc communicatn serv	.00	.00	.00	.01	.00	.00	.60	.73	.50
Radio and tv broadcasting	.20	.19	.00	.00	.00	.00	2.69	2.74	1.79
Utilities and sanitary services	.00	.00	.00	.73	.61	.31	1.88	1.93	1.39
Electric light and power	.00	.00	.00	.02	.03	.00	.57	.67	.36
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.22	.18	.09
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.63	.56	.42
Water supply	.00	.00	.00	.10	.09	.07	.22	.22	.16
Sanitary services	.00	.00	.00	.60	.48	.24	.21	.27	.35
Wholesale and retail trade	.71	.31	.00	.93	.94	.63	3.45	3.93	3.26
Wholesale trade	.00	.00	.00	.36	.30	.11	2.46	2.71	2.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Therapy assistants			Other health technicians			Technicians except health		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	.36	.30	.11	1.88	2.06	1.43
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.12	.14	.15
Drugs, chemicals, allied product	.00	.00	.00	.07	.06	.03	.15	.14	.09
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.00	.01	.02
Food and related products	.00	.00	.00	.01	.00	.00	.09	.09	.08
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.06	.08	.03
Electrical goods	.00	.00	.00	.00	.00	.00	.30	.29	.21
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.03	.03	.01
Machinery equipment, supplies	.00	.00	.00	.28	.24	.07	1.09	1.25	.80
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	.58	.64	.63
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.02	.02	.01
Petroleum products	.00	.00	.00	.00	.00	.00	.20	.23	.20
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.00	.01	.00
Paper and paper products	.00	.00	.00	.00	.00	.00	.03	.02	.03
Lumber, construction materials	.00	.00	.00	.00	.00	.00	.04	.04	.04
Other wholesale trade	.00	.00	.00	.00	.00	.00	.26	.31	.33
Retail trade	.71	.31	.00	.57	.64	.52	.99	1.21	1.19
Building materials	.00	.00	.00	.00	.00	.00	.06	.08	.08
Lumber, building material	.00	.00	.00	.00	.00	.00	.05	.06	.04
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.01	.02	.04
General merchandise, total	.00	.00	.00	.00	.00	.00	.22	.25	.34
Department stores, mail order	.00	.00	.00	.00	.00	.00	.13	.16	.21
Limited price stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Vending machine operators	.00	.00	.00	.00	.00	.00	.02	.02	.03
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.04	.04	.07
Food and dairy stores	.17	.06	.00	.03	.02	.00	.04	.03	.00
Grocery stores	.17	.06	.00	.03	.02	.00	.03	.02	.00
Auto dealers, gas stations	.00	.00	.00	.01	.00	.00	.27	.39	.32
Motor vehicle dealers	.00	.00	.00	.01	.00	.00	.14	.17	.09
Tire, battery, accessory dealrs	.00	.00	.00	.00	.00	.00	.01	.02	.01
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.12	.18	.21
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.10	.11	.06
Home furnishings	.00	.00	.00	.00	.00	.00	.01	.00	.00
Household appliances, tv, radio	.00	.00	.00	.00	.00	.00	.09	.10	.06
Eating and drinking places	.00	.00	.00	.00	.00	.00	.05	.04	.00
Miscellaneous retail trade	.54	.24	.00	.52	.61	.52	.22	.28	.37
Drug stores	.54	.24	.00	.07	.06	.04	.02	.04	.07
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.07	.05	.02
Misc retail trade stores	.00	.00	.00	.45	.55	.48	.12	.19	.26
Finance, insurance and real estate	.00	.00	.00	.11	.05	.00	.58	.56	.50
Finance, total	.00	.00	.00	.00	.00	.00	.10	.09	.09
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.10	.09	.09
Insurance	.00	.00	.00	.11	.05	.00	.27	.23	.16
Real estate	.00	.00	.00	.00	.00	.00	.20	.23	.24
Services, total	95.68	97.73	100.00	91.25	92.41	90.23	12.43	15.71	18.63
Hotels and lodging place	.17	.09	.00	.01	.02	.01	.00	.00	.00
Hotels and motels	.17	.09	.00	.00	.00	.00	.00	.00	.00
Other lodging places	.00	.00	.00	.01	.02	.01	.00	.00	.00
Other personal services	.22	.12	.00	.02	.01	.01	3.23	2.54	2.04
Misc personal services	.22	.12	.00	.02	.01	.01	3.22	2.54	2.04
Miscellaneous business services	.00	.00	.00	.27	.33	.27	1.47	2.36	3.15
Advertising	.00	.00	.00	.00	.00	.00	.04	.03	.01
Business management services	.00	.00	.00	.01	.00	.00	.06	.09	.14
Commercial research, development	.00	.00	.00	.15	.16	.13	.26	.41	.76
Computer programing	.00	.00	.00	.00	.00	.00	.12	.17	.30
Detective and protective serv	.00	.00	.00	.00	.00	.00	.26	.47	.46
Services to buildings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other business services	.00	.00	.00	.10	.15	.13	.70	1.17	1.45
Automobile services	.00	.00	.00	.00	.00	.00	.06	.05	.02
Automobile repair	.00	.00	.00	.00	.00	.00	.01	.01	.00
Automobile services, exc repair	.00	.00	.00	.00	.00	.00	.04	.04	.02
Other repair services	.00	.00	.00	.00	.00	.00	.39	.51	.34
Electrical repair	.00	.00	.00	.00	.00	.00	.05	.05	.07
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.34	.46	.26
Motion pictures and theaters	.00	.00	.00	.09	.05	.05	.39	.32	.46
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.08	.18	.22
Other entertainment	.00	.00	.00	.00	.00	.00	.08	.18	.22

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Therapy assistants			Other health technicians			Technicians except health		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	88.65	92.16	95.83	67.35	70.69	76.33	1.25	2.04	3.03
Offices of physicians	1.48	2.06	9.53	3.64	4.34	3.95	.73	1.30	2.20
Offices of dentists	.00	.00	.00	.44	.35	.23	.04	.06	.00
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.01	.03	.00
Hospitals	68.53	56.58	60.31	52.77	50.33	59.03	.24	.23	.26
Convalescent institutions	7.94	8.72	8.94	.45	.59	1.05	.02	.06	.20
Other health practitioners	.34	.34	1.23	2.19	3.98	3.64	.04	.08	.05
Other health services	10.34	24.44	15.82	7.82	11.08	8.39	.13	.25	.29
Educational services	5.14	4.46	4.17	21.58	19.43	11.96	3.83	5.16	6.18
Elementary and secondary school	1.40	.80	.00	.12	.07	.00	.41	.70	.63
Colleges and universities	3.34	3.12	4.17	21.45	19.35	11.96	2.41	3.29	3.97
Libraries	.00	.00	.00	.00	.00	.00	.00	.00	.10
Other educational services	.40	.53	.00	.00	.00	.00	1.01	1.16	1.47
Museums, art galleries, zoos	.00	.00	.00	.00	.01	.00	.07	.12	.22
Nonprofit organizations	1.25	.76	.00	.41	.35	.30	.23	.28	.29
Religious organizations	.17	.06	.00	.00	.00	.00	.00	.00	.00
Welfare services	.51	.26	.00	.28	.22	.20	.00	.00	.00
Residential welfare services	.40	.34	.00	.01	.01	.02	.00	.00	.00
Nonprofit membership organiztns	.17	.09	.00	.11	.11	.07	.23	.28	.29
Private households	.00	.00	.00	.01	.00	.00	.01	.04	.06
Other professional services	.22	.12	.00	1.47	1.47	1.26	1.36	2.03	2.57
Engineering and architectural	.00	.00	.00	.09	.13	.09	.47	.73	.72
Accounting and auditing	.00	.00	.00	.00	.00	.00	.03	.05	.04
Miscellaneous professional serv	.22	.12	.00	1.37	1.34	1.16	.85	1.24	1.80
Government, total	.91	.50	.00	1.65	1.15	5.66	35.89	33.52	33.09
Federal public administration	.08	.02	.00	1.22	.69	.16	23.13	18.43	14.68
Postal services	.00	.00	.00	.00	.00	.00	.06	.09	.08
Federal pub adm, exc post office	.08	.02	.00	1.22	.69	.16	23.07	18.34	14.60
State public administration	.28	.16	.00	.25	.28	.80	3.55	4.74	3.14
Local public administration	.54	.31	.00	.17	.18	4.69	9.19	10.34	15.25

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Airline pilots			Air traffic controllers			Embalmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>Agriculture,forestry,fisheries</b>	<b>5.03</b>	<b>4.69</b>	<b>4.91</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Agriculture	4.89	4.50	4.76	.00	.00	.00	.00	.00	.00
Agricultural production	.07	.04	.00	.00	.00	.00	.00	.00	.00
Services,except horticulture	4.81	4.45	4.76	.00	.00	.00	.00	.00	.00
Forestry	.14	.19	.14	.00	.00	.00	.00	.00	.00
<b>Mining</b>	<b>1.20</b>	<b>2.66</b>	<b>3.95</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Metal	.04	.03	.02	.00	.00	.00	.00	.00	.00
Coal	.07	.08	.05	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.01	2.45	3.77	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.07	.09	.10	.00	.00	.00	.00	.00	.00
<b>Construction</b>	<b>1.02</b>	<b>1.00</b>	<b>.72</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
General building contractors	.16	.16	.12	.00	.00	.00	.00	.00	.00
General contractors,exc building	.66	.68	.59	.00	.00	.00	.00	.00	.00
Special trade contractors	.19	.14	.00	.00	.00	.00	.00	.00	.00
<b>Manufacturing</b>	<b>6.93</b>	<b>6.38</b>	<b>5.74</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
<b>Durable goods</b>	<b>5.30</b>	<b>4.95</b>	<b>4.40</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Ordnance	.13	.08	.09	.00	.00	.00	.00	.00	.00
Lumber and wood products	.21	.24	.31	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.18	.21	.27	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.02	.03	.03	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.11	.15	.27	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.29	.30	.28	.00	.00	.00	.00	.00	.00
Glass and glass products	.07	.08	.10	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.20	.20	.17	.00	.00	.00	.00	.00	.00
Structural clay products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.01	.00	.00	.00	.00	.00	.00	.00	.00
Primary metal industries	.37	.36	.31	.00	.00	.00	.00	.00	.00
Blast furnaces,steel works	.23	.21	.23	.00	.00	.00	.00	.00	.00
Other primary steel	.04	.07	.04	.00	.00	.00	.00	.00	.00
Primary aluminum	.04	.03	.01	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.05	.04	.02	.00	.00	.00	.00	.00	.00
Fabricated metal products	.25	.23	.19	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.01	.00	.00	.00	.00	.00	.00	.00	.00
Screw machine products	.01	.01	.01	.00	.00	.00	.00	.00	.00
Metal stamping	.12	.11	.09	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.10	.10	.09	.00	.00	.00	.00	.00	.00
Machinery except electrical	.62	.64	.64	.00	.00	.00	.00	.00	.00
Engines and turbines	.10	.09	.05	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.04	.07	.14	.00	.00	.00	.00	.00	.00
Construction machines	.11	.13	.14	.00	.00	.00	.00	.00	.00
Metalworking machinery	.07	.06	.04	.00	.00	.00	.00	.00	.00
Office and accounting machines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.03	.05	.15	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.23	.20	.10	.00	.00	.00	.00	.00	.00
Electrical machinery	.59	.61	.72	.00	.00	.00	.00	.00	.00
Household appliances	.08	.09	.12	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	.16	.13	.12	.00	.00	.00	.00	.00	.00
Other electrical machinery	.34	.39	.48	.00	.00	.00	.00	.00	.00
Transportation equipment	2.43	2.02	1.27	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.22	.20	.09	.00	.00	.00	.00	.00	.00
Aircraft and parts	2.16	1.74	1.05	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.03	.07	.11	.00	.00	.00	.00	.00	.00
Railroad equipment	.01	.01	.00	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.12	.14	.14	.00	.00	.00	.00	.00	.00
Scientific instruments	.08	.09	.10	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.02	.03	.02	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.13	.12	.12	.00	.00	.00	.00	.00	.00
<b>Nondurable goods</b>	<b>1.63</b>	<b>1.42</b>	<b>1.33</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Airline pilots			Air traffic controllers			Embalmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.30	.20	.12	.00	.00	.00	.00	.00	.00
Meat	.02	.01	.00	.00	.00	.00	.00	.00	.00
Bakery	.10	.10	.10	.00	.00	.00	.00	.00	.00
Beverages	.17	.09	.01	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.05	.04	.04	.00	.00	.00	.00	.00	.00
Textile mill products	.10	.14	.23	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.10	.14	.23	.00	.00	.00	.00	.00	.00
Paper and allied products	.35	.31	.33	.00	.00	.00	.00	.00	.00
Pulp, paper paperboard mills	.24	.20	.20	.00	.00	.00	.00	.00	.00
Paperboard containers, boxes	.07	.06	.10	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.03	.03	.02	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.49	.43	.40	.00	.00	.00	.00	.00	.00
Industrial chemicals	.27	.24	.26	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.01	.01	.01	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.13	.11	.09	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.02	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.04	.02	.02	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.19	.17	.10	.00	.00	.00	.00	.00	.00
Petroleum refining	.19	.17	.10	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.13	.11	.10	.00	.00	.00	.00	.00	.00
Rubber	.13	.11	.10	.00	.00	.00	.00	.00	.00
Transportation, other public util	73.36	70.99	66.63	.00	.00	.00	.00	.00	.00
Transportation, total	72.58	70.23	65.98	.00	.00	.00	.00	.00	.00
Local and interurban transit	.01	.00	.00	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.52	.71	.55	.00	.00	.00	.00	.00	.00
Trucking services	.51	.70	.53	.00	.00	.00	.00	.00	.00
Warehousing and storage	.01	.01	.01	.00	.00	.00	.00	.00	.00
Water transportation	.03	.03	.02	.00	.00	.00	.00	.00	.00
Air transportation	71.59	69.04	65.05	.00	.00	.00	.00	.00	.00
Pipelines	.22	.22	.14	.00	.00	.00	.00	.00	.00
Transportation services	.18	.20	.21	.00	.00	.00	.00	.00	.00
Communicatns, utils, sanitary serv	.77	.76	.64	.00	.00	.00	.00	.00	.00
Communications	.13	.16	.14	.00	.00	.00	.00	.00	.00
Telephone (wire and radio)	.05	.03	.00	.00	.00	.00	.00	.00	.00
Telegraph, misc communicatn serv	.01	.01	.00	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.06	.10	.14	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.63	.60	.50	.00	.00	.00	.00	.00	.00
Electric light and power	.09	.12	.03	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.09	.06	.01	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.30	.21	.08	.00	.00	.00	.00	.00	.00
Water supply	.06	.06	.08	.00	.00	.00	.00	.00	.00
Sanitary services	.07	.13	.27	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	2.59	2.89	2.33	.00	.00	.00	.00	.00	.00
Wholesale trade	1.80	1.98	1.59	.00	.00	.00	.00	.00	.00
Wholesale, exc misc whlsle trade	1.30	1.46	1.13	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.08	.10	.14	.00	.00	.00	.00	.00	.00
Drugs, chemicals, allied product	.09	.09	.09	.00	.00	.00	.00	.00	.00
Food and related products	.14	.15	.13	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.09	.12	.06	.00	.00	.00	.00	.00	.00
Electrical goods	.09	.09	.10	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.05	.04	.01	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.74	.84	.57	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.49	.52	.46	.00	.00	.00	.00	.00	.00
Metals and minerals, other	.03	.02	.01	.00	.00	.00	.00	.00	.00
Petroleum products	.21	.25	.27	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.02	.02	.00	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.07	.06	.03	.00	.00	.00	.00	.00	.00
Other wholesale trade	.14	.14	.13	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Airline pilots			Air traffic controllers			Embalmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.78	.90	.73	.00	.00	.00	.00	.00	.00
Building materials	.04	.05	.05	.00	.00	.00	.00	.00	.00
Lumber,building material	.04	.05	.05	.00	.00	.00	.00	.00	.00
General merchandise,total	.03	.03	.03	.00	.00	.00	.00	.00	.00
Limited price stores	.03	.03	.03	.00	.00	.00	.00	.00	.00
Food and dairy stores	.11	.07	.00	.00	.00	.00	.00	.00	.00
Grocery stores	.11	.07	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.42	.58	.59	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.05	.03	.00	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.35	.53	.59	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.01	.01	.00	.00	.00	.00	.00	.00	.00
Eating and drinking places	.04	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.10	.09	.03	.00	.00	.00	.00	.00	.00
Drug stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.04	.03	.03	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.04	.04	.00	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.80	.89	.93	.00	.00	.00	.00	.00	.00
Finance,total	.20	.19	.22	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.20	.19	.22	.00	.00	.00	.00	.00	.00
Insurance	.26	.25	.24	.00	.00	.00	.00	.00	.00
Real estate	.32	.44	.46	.00	.00	.00	.00	.00	.00
Services, total	4.27	5.26	6.11	.00	.00	.00	99.60	99.78	100.00
Hotels and lodging place	.01	.00	.00	.00	.00	.00	.00	.00	.00
Hotels and motels	.01	.00	.00	.00	.00	.00	.00	.00	.00
Other personal services	.13	.28	.28	.00	.00	.00	95.86	97.56	99.00
Misc personal services	.13	.28	.28	.00	.00	.00	95.86	97.56	99.00
Miscellaneous business services	.39	.53	.46	.00	.00	.00	.00	.00	.00
Advertising	.04	.03	.01	.00	.00	.00	.00	.00	.00
Business management services	.02	.03	.05	.00	.00	.00	.00	.00	.00
Commercial research,development	.02	.02	.02	.00	.00	.00	.00	.00	.00
Detective and protective serv	.08	.13	.12	.00	.00	.00	.00	.00	.00
Other business services	.20	.30	.25	.00	.00	.00	.00	.00	.00
Automobile services	.03	.03	.03	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.03	.03	.03	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.05	.05	.11	.00	.00	.00	.46	.30	.40
Miscellaneous entertainment	.06	.21	.36	.00	.00	.00	.00	.00	.00
Other entertainment	.06	.21	.36	.00	.00	.00	.00	.00	.00
Medical and other health service	.00	.00	.00	.00	.00	.00	2.16	1.24	.00
Hospitals	.00	.00	.00	.00	.00	.00	1.92	.96	.00
Convalescent institutions	.00	.00	.00	.00	.00	.00	.10	.08	.00
Other health services	.00	.00	.00	.00	.00	.00	.14	.20	.00
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	3.17	3.45	4.03	.00	.00	.00	.92	.56	.60
Colleges and universities	.33	.43	.51	.00	.00	.00	.76	.34	.00
Other educational services	2.83	3.02	3.52	.00	.00	.00	.16	.22	.60
Nonprofit organizations	.05	.12	.30	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.05	.12	.30	.00	.00	.00	.00	.00	.00
Private households	.05	.14	.17	.00	.00	.00	.00	.00	.00
Other professional services	.29	.40	.34	.00	.00	.00	.20	.12	.00
Engineering and architectural	.20	.29	.23	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.08	.10	.10	.00	.00	.00	.20	.12	.00
Government,total	4.76	5.20	8.65	100.00	100.00	100.00	.40	.22	.00
Federal public administration	3.05	2.78	5.35	100.00	100.00	100.00	.00	.00	.00
Federal pub adm,exc post office	3.05	2.78	5.35	100.00	100.00	100.00	.00	.00	.00
State public administration	1.50	2.10	2.78	.00	.00	.00	.24	.12	.00
Local public administration	.20	.31	.51	.00	.00	.00	.16	.10	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Flight engineers			Radio operators			Tool programmers, numerical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.97	.97	.30	.00	.00	.00
Agriculture	.00	.00	.00	.12	.04	.02	.00	.00	.00
Agricultural production	.00	.00	.00	.05	.02	.00	.00	.00	.00
Services,except horticulture	.00	.00	.00	.07	.02	.02	.00	.00	.00
Forestry	.00	.00	.00	.84	.93	.28	.00	.00	.00
Mining	.00	.00	.00	.76	.95	.32	.46	.84	.89
Metal	.00	.00	.00	.04	.03	.01	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.68	.87	.27	.46	.84	.89
Nonmetallic mining and quarrying	.00	.00	.00	.04	.04	.02	.00	.00	.00
Construction	.00	.00	.00	4.11	3.56	2.21	.00	.00	.00
General building contractors	.00	.00	.00	.11	.07	.00	.00	.00	.00
General contractors,exc building	.00	.00	.00	3.69	3.27	2.21	.00	.00	.00
Special trade contractors	.00	.00	.00	.30	.22	.00	.00	.00	.00
Manufacturing	7.10	6.50	3.55	2.55	1.84	.78	79.52	76.49	72.47
Durable goods	7.10	6.50	3.55	2.05	1.49	.61	73.52	72.23	71.09
Ordnance	.09	.03	.00	.25	.12	.06	2.29	1.39	1.50
Lumber and wood products	.00	.00	.00	.08	.07	.07	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.08	.07	.07	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.20	.13	.00
Stone,clay,and glass products	.00	.00	.00	.36	.28	.08	.79	.71	.34
Glass and glass products	.00	.00	.00	.07	.05	.01	.63	.57	.34
Cement,concrete,plaster	.00	.00	.00	.24	.19	.05	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.05	.04	.01	.16	.13	.00
Primary metal industries	.05	.03	.00	.00	.00	.00	2.99	2.34	1.29
Blast furnaces,steel work's	.05	.03	.00	.00	.00	.00	.86	.44	.00
Other primary steel	.00	.00	.00	.00	.00	.00	.96	.84	.74
Primary aluminum	.00	.00	.00	.00	.00	.00	.96	.94	.55
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.20	.10	.00
Fabricated metal products	.00	.00	.00	.03	.02	.00	5.16	5.04	3.86
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.83	.71	.29
Fabricated structural metal	.00	.00	.00	.03	.02	.00	2.13	2.18	1.89
Screw machine products	.00	.00	.00	.00	.00	.00	.30	.26	.22
Metal stamping	.00	.00	.00	.00	.00	.00	.33	.21	.00
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	1.56	1.68	1.44
Machinery except electrical	.12	.13	.10	.21	.16	.04	30.73	37.49	47.86
Engines and turbines	.08	.09	.10	.00	.00	.00	2.13	2.28	1.70
Farm machinery and equipment	.00	.00	.00	.02	.02	.00	.10	.07	.00
Construction machines	.00	.00	.00	.07	.07	.03	3.16	4.78	7.36
Metalworking machinery	.00	.00	.00	.00	.00	.00	11.98	16.04	24.68
Office and accounting machines	.04	.03	.00	.03	.02	.00	.73	.39	.08
Electronic computing equipment	.00	.00	.00	.01	.01	.00	1.66	1.78	1.67
Other machinery,exc electrical	.00	.00	.00	.06	.03	.00	10.95	12.12	12.34
Electrical machinery	.05	.03	.00	.54	.46	.25	9.65	8.96	7.34
Household appliances	.00	.00	.00	.00	.00	.00	.40	.39	.37
Radio, tv communications equip	.05	.03	.00	.27	.20	.08	4.89	4.23	3.58
Other electrical machinery	.00	.00	.00	.26	.26	.17	4.36	4.33	3.38
Transportation equipment	6.69	6.19	3.44	.55	.34	.08	17.91	12.96	7.65
Motor vehicles and equipment	.00	.00	.00	.01	.01	.00	2.73	2.86	4.74
Aircraft and parts	6.64	6.15	3.44	.30	.18	.03	14.45	9.25	2.43
Ship,boat building and repair	.05	.03	.00	.21	.13	.04	.73	.84	.48
Railroad equipment	.00	.00	.00	.01	.01	.00	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	3.29	2.89	1.22
Scientific instruments	.00	.00	.00	.00	.00	.00	2.73	2.47	1.17
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.20	.18	.00
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.16	.10	.00
Watches and clock devices	.00	.00	.00	.00	.00	.00	.20	.13	.05
Miscellaneous manufacturing	.09	.05	.00	.02	.01	.00	.46	.28	.00
Nondurable goods	.00	.00	.00	.50	.34	.17	5.99	4.26	1.38

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Flight engineers			Radio operators			Tool programmers, numerical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.15	.08	.01	.53	.28	.00
Meat	.00	.00	.00	.00	.00	.00	.53	.28	.00
Beverages	.00	.00	.00	.15	.08	.01	.00	.00	.00
Apparel and textile products	.00	.00	.00	.00	.00	.00	.59	.39	.00
Apparel and accessories	.00	.00	.00	.00	.00	.00	.59	.39	.00
Paper and allied products	.00	.00	.00	.04	.03	.02	.40	.21	.00
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.40	.21	.00
Paperboard containers,boxes	.00	.00	.00	.04	.03	.02	.00	.00	.00
Printing and publishing	.00	.00	.00	.00	.00	.00	1.36	.86	.00
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.16	.10	.00
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	1.19	.76	.00
Chemicals and allied products	.00	.00	.00	.19	.13	.09	1.13	.94	.58
Industrial chemicals	.00	.00	.00	.06	.04	.04	.26	.15	.00
Plastics and synthetics	.00	.00	.00	.02	.02	.01	.00	.00	.00
Drugs and medicines	.00	.00	.00	.00	.00	.00	.36	.47	.41
Miscellaneous chemicals	.00	.00	.00	.11	.06	.03	.50	.31	.17
Petroleum and coal products	.00	.00	.00	.10	.08	.03	.36	.36	.20
Petroleum refining	.00	.00	.00	.10	.08	.03	.36	.36	.20
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.93	.78	.51
Rubber	.00	.00	.00	.00	.00	.00	.93	.78	.51
Leather products	.00	.00	.00	.00	.00	.00	.66	.39	.06
All other leather	.00	.00	.00	.00	.00	.00	.66	.39	.06
Transportation, other public util	87.36	87.01	91.86	27.33	25.21	14.06	.00	.00	.60
Transportation,total	87.32	86.98	91.86	8.46	7.40	4.01	.00	.00	.00
Railroads and railway express	.00	.00	.00	.21	.12	.02	.00	.00	.00
Local and interurban transit	.00	.00	.00	2.61	2.52	1.21	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.47	.30	.45	.00	.00	.00
Taxicab service	.00	.00	.00	2.14	2.21	.76	.00	.00	.00
Trucking and warehousing	.24	.17	.00	1.30	1.15	.66	.00	.00	.00
Trucking services	.24	.17	.00	1.24	1.11	.64	.00	.00	.00
Warehousing and storage	.00	.00	.00	.05	.03	.02	.00	.00	.00
Water transportation	.06	.03	.00	2.82	2.28	1.16	.00	.00	.00
Air transportation	86.88	86.61	91.85	1.16	.90	.77	.00	.00	.00
Pipelines	.06	.05	.01	.03	.02	.00	.00	.00	.00
Transportation services	.06	.09	.00	.32	.38	.15	.00	.00	.00
Communicatns,utils,sanitary serv	.04	.03	.00	18.87	17.81	10.04	.00	.00	.60
Communications	.04	.03	.00	15.10	14.38	8.67	.00	.00	.60
Telephone(wire and radio)	.00	.00	.00	.70	.56	.18	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	1.01	1.03	.38	.00	.00	.00
Radio and tv broadcasting	.04	.03	.00	13.39	12.77	8.10	.00	.00	.60
Utilities and sanitary services	.00	.00	.00	3.77	3.42	1.36	.00	.00	.00
Electric light and power	.00	.00	.00	1.15	1.23	.46	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.86	.68	.25	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.73	.58	.23	.00	.00	.00
Water supply	.00	.00	.00	.71	.63	.29	.00	.00	.00
Sanitary services	.00	.00	.00	.30	.27	.11	.00	.00	.00
Other utilities	.00	.00	.00	.01	.00	.00	.00	.00	.00
Wholesale and retail trade	.00	.00	.00	1.98	1.96	.88	5.16	6.02	5.32
Wholesale trade	.00	.00	.00	1.10	1.06	.48	5.16	6.02	5.32
Wholesale,exc misc whlsle trade	.00	.00	.00	.67	.65	.26	4.26	5.36	5.32
Motor vehicles and equipment	.00	.00	.00	.06	.07	.04	.66	1.15	2.25
Drugs,chemicals,allied product	.00	.00	.00	.08	.06	.02	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.02	.02	.01	.00	.00	.00
Electrical goods	.00	.00	.00	.14	.14	.08	.73	.81	.86
Hardware and plumbing	.00	.00	.00	.02	.02	.00	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.33	.33	.09	2.86	3.39	2.20
Miscellaneous wholesale trade	.00	.00	.00	.43	.41	.22	.89	.65	.00
Metals and minerals, other	.00	.00	.00	.03	.02	.01	.00	.00	.00
Petroleum products	.00	.00	.00	.27	.23	.08	.30	.21	.00
Lumber,construction materials	.00	.00	.00	.02	.01	.00	.00	.00	.00
Other wholesale trade	.00	.00	.00	.10	.12	.11	.59	.44	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Flight engineers			Radio operators			Tool programmers, numerical		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.88	.89	.39	.00	.00	.00
Building materials	.00	.00	.00	.09	.09	.04	.00	.00	.00
Lumber,building material	.00	.00	.00	.09	.09	.04	.00	.00	.00
General merchandise,total	.00	.00	.00	.18	.17	.15	.00	.00	.00
Department stores,mail order	.00	.00	.00	.07	.05	.00	.00	.00	.00
Vending machine operators	.00	.00	.00	.10	.12	.15	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.10	.14	.06	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.05	.03	.00	.00	.00	.00
Tire,battery,accessory dealers	.00	.00	.00	.04	.11	.06	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.23	.26	.11	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.23	.26	.11	.00	.00	.00
Eating and drinking places	.00	.00	.00	.08	.08	.00	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.19	.12	.02	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.18	.12	.02	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Finance,insurance and real estate	1.56	2.07	1.44	.38	.35	.28	.00	.00	.00
Finance,total	.00	.00	.00	.11	.08	.03	.00	.00	.00
Banking	.00	.00	.00	.01	.00	.00	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.09	.07	.03	.00	.00	.00
Insurance	.04	.03	.00	.11	.07	.00	.00	.00	.00
Real estate	1.52	2.03	1.44	.15	.20	.25	.00	.00	.00
Services, total	1.22	1.75	.73	3.89	4.94	3.00	8.25	9.46	12.88
Miscellaneous business services	.17	.23	.19	1.48	2.36	1.70	3.43	4.78	6.45
Advertising	.00	.00	.00	.01	.00	.00	.00	.00	.00
Business management services	.00	.00	.00	.00	.00	.00	.53	.68	.81
Commercial research,development	.06	.11	.19	.00	.00	.00	.99	1.55	2.91
Computer programing	.00	.00	.00	.00	.00	.00	.96	.92	.37
Detective and protective serv	.00	.00	.00	.73	1.25	.86	.00	.00	.00
Other business services	.10	.11	.00	.73	1.10	.83	.93	1.63	2.34
Automobile services	.00	.00	.00	.17	.14	.07	.20	.15	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.20	.15	.00
Automobile services,exc repair	.00	.00	.00	.17	.14	.07	.00	.00	.00
Motion pictures and theaters	.05	.03	.00	.04	.03	.03	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.08	.16	.14	.00	.00	.00
Other entertainment	.00	.00	.00	.08	.16	.14	.00	.00	.00
Educational services	.04	.09	.00	1.17	1.29	.65	2.79	2.07	4.17
Colleges and universities	.01	.07	.00	1.13	1.26	.65	2.79	2.07	4.17
Other educational services	.02	.01	.00	.04	.03	.00	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.75	.74	.32	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.75	.74	.32	.00	.00	.00
Other professional services	.96	1.38	.53	.18	.19	.07	1.83	2.44	2.25
Engineering and architectural	.04	.03	.00	.04	.03	.00	.79	1.34	1.53
Miscellaneous professional serv	.92	1.34	.53	.14	.15	.07	1.03	1.10	.72
Government,total	2.74	2.65	2.40	57.99	60.18	78.14	6.59	7.17	7.81
Federal public administration	1.98	1.71	1.56	3.55	2.32	1.84	4.99	4.41	3.57
Federal pub adm,exc post office	1.98	1.71	1.56	3.55	2.32	1.84	4.99	4.41	3.57
State public administration	.69	.90	.83	9.66	10.91	5.41	1.59	2.76	4.24
Local public administration	.06	.03	.00	44.78	46.93	70.89	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other technicians exc health			Computer specialists			Computer programmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.95	1.28	.89	.06	.07	.04	.08	.10	.06
Agriculture	.09	.05	.03	.02	.02	.01	.02	.02	.02
Services, except horticulture	.05	.02	.03	.01	.01	.01	.02	.02	.02
Horticultural services	.03	.02	.00	.00	.00	.00	.00	.00	.00
Forestry	.85	1.22	.85	.03	.04	.02	.05	.07	.03
Mining	2.07	2.45	2.28	.97	1.26	1.11	.99	1.28	1.11
Metal	.29	.26	.30	.07	.06	.05	.07	.06	.04
Coal	.11	.14	.22	.01	.02	.02	.01	.02	.02
Crude petroleum and natural gas	1.29	1.72	1.49	.83	1.14	1.01	.84	1.15	1.01
Nonmetallic mining and quarrying	.36	.32	.25	.04	.04	.02	.05	.04	.02
Construction	4.42	4.05	5.52	.96	.89	.86	1.05	1.00	1.03
General building contractors	.14	.21	.41	.10	.10	.13	.11	.12	.15
General contractors, exc building	3.88	3.24	4.07	.76	.67	.62	.84	.75	.70
Special trade contractors	.39	.59	1.02	.09	.10	.09	.09	.12	.17
Manufacturing	12.86	10.75	12.74	35.32	31.14	27.04	34.34	29.89	26.14
Durable goods	9.08	7.55	9.16	28.14	25.01	21.94	26.89	23.49	20.65
Ordnance	1.28	.63	.72	1.91	.93	.69	1.82	.86	.61
Lumber and wood products	.08	.08	.13	.16	.15	.13	.16	.15	.13
Logging	.00	.00	.00	.00	.00	.00	.01	.01	.00
Sawmill, planing and mill work	.03	.01	.00	.11	.10	.08	.11	.10	.08
Miscellaneous wood products	.05	.06	.13	.04	.04	.04	.04	.03	.03
Furniture and fixtures	.00	.00	.00	.19	.17	.16	.22	.21	.20
Stone, clay, and glass products	.33	.29	.28	.41	.36	.25	.40	.36	.24
Glass and glass products	.14	.13	.13	.14	.12	.09	.14	.12	.09
Cement, concrete, plaster	.04	.03	.02	.16	.14	.09	.17	.15	.10
Structural clay products	.01	.01	.01	.01	.01	.00	.02	.01	.00
Pottery and related products	.05	.04	.05	.01	.01	.00	.01	.01	.00
Miscellaneous nonmetallic, stone	.07	.06	.06	.07	.07	.05	.05	.05	.04
Primary metal industries	.58	.52	.65	1.22	1.01	.87	1.24	1.03	.91
Blast furnaces, steel works	.10	.08	.10	.58	.44	.36	.59	.45	.39
Other primary steel	.11	.09	.11	.19	.16	.15	.22	.19	.17
Primary aluminum	.06	.08	.11	.21	.21	.19	.18	.17	.16
Other primary nonferrous	.29	.26	.33	.22	.19	.16	.24	.20	.18
Fabricated metal products	.44	.46	.61	1.02	.96	.82	1.11	1.04	.89
Cutlery and other hardware	.07	.08	.11	.16	.16	.13	.15	.14	.12
Fabricated structural metal	.14	.16	.24	.31	.30	.28	.34	.33	.29
Screw machine products	.00	.00	.00	.07	.06	.04	.06	.06	.04
Metal stamping	.01	.00	.00	.14	.12	.11	.18	.16	.14
Miscellaneous fabricated metal	.20	.20	.25	.33	.30	.24	.36	.34	.28
Machinery except electrical	1.84	1.89	2.93	10.82	11.20	11.51	9.68	9.84	10.27
Engines and turbines	.13	.14	.19	.22	.23	.18	.22	.22	.17
Farm machinery and equipment	.03	.02	.01	.23	.21	.16	.24	.23	.18
Construction machines	.11	.15	.27	.54	.58	.50	.48	.50	.44
Metalworking machinery	.11	.10	.11	.37	.35	.30	.43	.40	.37
Office and accounting machines	.23	.15	.14	.85	.55	.31	.73	.46	.27
Electronic computing equipment	.82	.93	1.71	7.69	8.41	9.27	6.58	7.04	7.91
Other machinery, exc electrical	.39	.38	.48	.89	.85	.77	.98	.96	.90
Electrical machinery	1.30	1.22	1.46	5.99	4.90	3.85	6.09	4.85	3.66
Household appliances	.02	.01	.00	.24	.20	.16	.23	.18	.16
Radio, tv communications equip	.48	.37	.25	2.77	2.05	1.84	2.86	2.07	1.92
Other electrical machinery	.79	.83	1.20	2.97	2.65	1.84	2.99	2.59	1.58
Transportation equipment	2.16	1.43	1.24	4.82	3.78	2.37	4.63	3.63	2.40
Motor vehicles and equipment	.13	.20	.29	1.14	1.16	.93	1.13	1.15	.95
Aircraft and parts	1.36	.86	.53	3.26	2.28	1.12	3.08	2.15	1.14
Ship, boat building and repair	.63	.34	.40	.32	.24	.21	.33	.24	.20
Railroad equipment	.02	.01	.00	.05	.05	.03	.05	.05	.02
Mobile dwellings	.00	.00	.00	.00	.01	.03	.00	.00	.01
Cycles, misc transportation	.01	.01	.00	.01	.02	.02	.02	.03	.04
Professional, scientific instrs	.90	.87	.99	1.25	1.25	1.06	1.18	1.19	1.09
Scientific instruments	.52	.48	.49	.51	.47	.33	.46	.42	.32
Optical, health serv supplies	.20	.23	.27	.23	.28	.26	.25	.32	.31
Photo equipment and supplies	.16	.16	.22	.46	.46	.44	.42	.42	.44
Watches and clock devices	.00	.00	.00	.03	.02	.01	.03	.03	.02
Miscellaneous manufacturing	.14	.11	.10	.31	.26	.18	.32	.28	.20
Nondurable goods	3.77	3.20	3.58	7.17	6.13	5.10	7.44	6.39	5.49

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other technicians exc health			Computer specialists			Computer programers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.19	.17	.23	.99	.78	.58	1.07	.87	.67
Meat	.00	.00	.00	.12	.09	.05	.15	.12	.07
Dairy	.02	.01	.00	.14	.09	.05	.13	.08	.05
Canning and preserving	.03	.01	.00	.18	.15	.13	.21	.19	.18
Grain mill	.02	.00	.00	.08	.07	.05	.08	.07	.06
Bakery	.01	.00	.00	.06	.05	.04	.08	.06	.05
Confectionery	.00	.00	.00	.05	.04	.03	.06	.04	.03
Beverages	.05	.06	.11	.14	.10	.07	.15	.12	.08
Miscellaneous food preparation	.04	.06	.12	.19	.17	.13	.18	.15	.12
Tobacco manufacturing	.03	.02	.04	.09	.06	.03	.11	.07	.04
Textile mill products	.38	.29	.35	.59	.46	.41	.64	.51	.46
Knitting mills	.02	.02	.03	.09	.07	.07	.11	.09	.10
Dyeing,finishing textiles	.00	.00	.00	.05	.04	.03	.06	.05	.03
Floor coverings	.01	.01	.02	.07	.06	.07	.08	.07	.08
Yarn and fabric mills	.28	.19	.17	.30	.23	.18	.31	.24	.20
Miscellaneous textile mill	.06	.06	.12	.05	.04	.04	.05	.04	.03
Apparel and textile products	.06	.07	.11	.45	.37	.26	.50	.42	.31
Apparel and accessories	.01	.00	.00	.41	.33	.23	.45	.38	.29
Miscellaneous fabricated textile	.04	.06	.11	.04	.04	.02	.05	.04	.02
Paper and allied products	.50	.40	.45	.60	.48	.42	.58	.46	.42
Pulp,paper paperboard mills	.37	.27	.26	.33	.24	.19	.33	.24	.21
Paperboard containers,boxes	.03	.04	.09	.09	.06	.06	.10	.07	.06
Miscellaneous paper and pulp	.09	.08	.09	.17	.17	.16	.15	.14	.14
Printing and publishing	.30	.27	.31	1.11	1.10	1.23	1.24	1.25	1.43
Newspaper publishing, printing	.07	.08	.13	.19	.16	.13	.24	.22	.20
Other printing,exc newspapers	.23	.19	.18	.92	.94	1.10	.99	1.03	1.22
Chemicals and allied products	1.09	.89	1.13	1.87	1.64	1.40	1.80	1.55	1.38
Industrial chemicals	.44	.36	.46	.72	.58	.44	.74	.60	.48
Plastics and synthetics	.13	.11	.16	.14	.12	.12	.15	.12	.11
Synthetic filters	.21	.18	.28	.14	.12	.13	.12	.11	.11
Drugs and medicines	.13	.12	.11	.43	.47	.40	.34	.36	.34
Soaps and cosmetics	.01	.00	.00	.20	.16	.13	.19	.16	.14
Paints and varnishes	.02	.01	.00	.07	.06	.06	.07	.06	.07
Agricultural chemicals	.05	.03	.00	.06	.05	.03	.07	.06	.04
Miscellaneous chemicals	.07	.06	.10	.09	.05	.05	.09	.05	.05
Petroleum and coal products	.27	.24	.18	.78	.66	.40	.72	.60	.38
Petroleum refining	.25	.22	.18	.76	.63	.38	.70	.59	.37
Misc petroleum,coal products	.02	.01	.00	.02	.02	.01	.01	.01	.01
Rubber,miscellaneous plastics	.89	.80	.71	.50	.44	.27	.56	.49	.30
Rubber	.60	.43	.35	.37	.28	.16	.43	.33	.19
Miscellaneous plastics	.29	.37	.36	.12	.16	.11	.13	.16	.10
Leather products	.03	.01	.00	.14	.10	.06	.16	.11	.07
Footwear, except rubber	.03	.01	.00	.10	.06	.03	.12	.08	.05
All other leather	.00	.00	.00	.04	.03	.02	.03	.02	.01
Transportation, other public util	9.86	9.48	9.82	5.06	4.74	5.04	5.29	5.03	5.18
Transportation,total	1.56	1.50	1.40	1.68	1.50	1.28	1.75	1.57	1.37
Railroads and railway express	.11	.10	.10	.43	.29	.19	.43	.27	.19
Local and interurban transit	.10	.11	.20	.03	.02	.04	.03	.03	.04
Street railways and bus lines	.07	.07	.19	.03	.02	.04	.03	.02	.04
Taxicab service	.03	.04	.01	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.13	.15	.16	.27	.27	.21	.31	.33	.27
Trucking services	.12	.15	.16	.24	.25	.19	.27	.29	.24
Warehousing and storage	.01	.00	.00	.03	.02	.01	.03	.03	.02
Water transportation	.03	.01	.00	.13	.13	.05	.14	.14	.06
Air transportation	.90	.89	.80	.63	.57	.62	.65	.60	.66
Pipelines	.25	.19	.11	.05	.04	.02	.06	.06	.03
Transportation services	.01	.01	.00	.11	.14	.12	.10	.12	.09
Communicatns,utils,sanitary serv	8.29	7.98	8.42	3.37	3.24	3.75	3.54	3.46	3.80
Communications	4.15	4.25	4.91	1.88	1.87	2.80	1.87	1.87	2.67
Telephone(wire and radio)	2.05	2.01	2.94	1.65	1.60	2.57	1.63	1.61	2.44
Telegraph,misc communicatn serv	1.74	1.87	1.56	.16	.18	.15	.15	.18	.15
Radio and tv broadcasting	.34	.36	.40	.07	.07	.07	.07	.08	.07
Utilities and sanitary services	4.14	3.73	3.50	1.48	1.36	.95	1.67	1.58	1.13
Electric light and power	1.41	1.38	.96	.52	.57	.36	.60	.69	.45
Electric-gas utilities	.11	.10	.12	.46	.38	.29	.47	.40	.32
Gas steam supply systems	1.72	1.35	1.26	.40	.31	.20	.48	.39	.27
Water supply	.29	.26	.28	.06	.05	.04	.08	.07	.05
Sanitary services	.59	.62	.86	.02	.02	.02	.01	.01	.01
Other utilities	.00	.00	.00	.01	.00	.00	.01	.01	.01
Wholesale and retail trade	9.40	8.93	7.99	8.41	8.76	6.52	7.67	7.85	6.32
Wholesale trade	6.89	6.28	4.83	6.29	6.52	4.03	5.49	5.53	3.70

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other technicians exc health			Computer specialists			Computer programmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	5.47	4.90	3.24	5.30	5.61	3.35	4.50	4.59	2.97
Motor vehicles and equipment	.31	.26	.18	.26	.26	.21	.30	.32	.29
Drugs,chemicals,allied product	.47	.35	.20	.32	.28	.19	.38	.33	.21
Dry goods and apparel	.02	.03	.07	.16	.14	.10	.17	.14	.13
Food and related products	.21	.17	.14	.40	.37	.26	.49	.46	.33
Farm products-raw materials	.13	.14	.05	.05	.07	.02	.06	.08	.03
Electrical goods	1.00	.79	.54	.44	.43	.37	.37	.36	.34
Hardware and plumbing	.05	.04	.02	.11	.10	.07	.15	.15	.12
Machinery equipment,supplies	3.23	3.07	2.00	3.53	3.93	2.08	2.56	2.70	1.50
Miscellaneous wholesale trade	1.42	1.38	1.58	.98	.91	.67	.98	.93	.72
Metals and minerals, other	.02	.01	.02	.12	.10	.07	.09	.08	.05
Petroleum prducts	.34	.34	.34	.28	.27	.18	.25	.25	.18
Scrap and waste material	.01	.01	.00	.00	.00	.00	.00	.01	.00
Alcoholic beverages	.00	.00	.00	.05	.05	.03	.06	.07	.05
Paper and paper products	.13	.09	.11	.11	.09	.08	.08	.06	.06
Lumber,construction materials	.08	.08	.12	.04	.03	.02	.05	.04	.03
Other wholesale trade	.82	.82	.98	.36	.33	.26	.42	.40	.33
Retail trade	2.50	2.65	3.16	2.12	2.23	2.49	2.18	2.32	2.61
Building materials	.16	.17	.22	.07	.06	.05	.08	.08	.06
Lumber,building material	.11	.09	.04	.04	.04	.03	.04	.05	.04
Hardware and farm equipment	.04	.07	.17	.02	.02	.02	.03	.03	.02
General merchandise,total	.76	.73	1.09	1.11	1.13	1.18	1.10	1.14	1.27
Department stores,mail order	.51	.55	.80	.82	.90	.97	.84	.94	1.06
Limited price stores	.00	.00	.00	.06	.05	.04	.05	.04	.03
Vending machine operators	.02	.01	.00	.01	.01	.00	.01	.01	.00
Direct selling	.03	.01	.00	.07	.04	.03	.09	.06	.04
Miscellaneous merchadise store	.20	.16	.29	.13	.11	.13	.09	.07	.12
Food and dairy stores	.03	.02	.02	.23	.25	.61	.27	.29	.63
Grocery stores	.01	.00	.00	.22	.23	.57	.25	.28	.59
Retail bakeries	.00	.00	.00	.00	.00	.02	.00	.00	.02
Food stores,cther	.02	.01	.02	.00	.00	.01	.00	.00	.01
Auto dealers,gas stations	.54	.62	.39	.05	.05	.03	.05	.06	.04
Motor vehicle dealers	.50	.57	.35	.03	.02	.01	.04	.04	.02
Tire,battery,accessory dealers	.00	.00	.00	.02	.02	.02	.01	.02	.02
Miscellaneous vehicle dealers	.03	.04	.03	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.09	.10	.08	.11	.11	.08
Apparel,accessory,except shoes	.00	.00	.00	.06	.06	.04	.07	.07	.03
Shoe stores	.00	.00	.00	.03	.03	.03	.04	.04	.04
Furniture and appliance stores	.21	.20	.13	.12	.13	.11	.14	.16	.12
Home furnishings	.04	.02	.00	.03	.04	.05	.04	.05	.04
Household appliances,tv,radio	.17	.18	.13	.08	.09	.06	.09	.11	.08
Eating and drinking places	.10	.05	.00	.07	.07	.00	.05	.06	.00
Miscellaneous retail trade	.67	.83	1.30	.35	.40	.40	.34	.39	.39
Drug stores	.10	.13	.28	.08	.07	.08	.09	.09	.11
Farm,garden supply stores	.00	.00	.00	.02	.02	.01	.02	.03	.02
Jewelry stores	.00	.00	.00	.01	.01	.01	.01	.01	.01
Fuel and ice dealers	.10	.06	.03	.03	.02	.01	.02	.02	.01
Misc retail trade stores	.46	.63	.98	.20	.25	.26	.16	.20	.21
Finance,insurance and real estate	.81	.54	.33	10.30	9.32	10.28	11.57	10.64	11.60
Finance,total	.09	.06	.03	4.65	4.88	7.01	5.12	5.44	7.81
Banking	.00	.00	.00	3.43	3.64	5.45	3.77	4.01	5.93
Credit agencies	.00	.00	.00	.57	.68	1.02	.65	.80	1.26
Stock brokers,investment cos	.09	.06	.03	.64	.55	.54	.69	.61	.61
Insurance	.72	.48	.30	5.49	4.26	3.07	6.27	5.01	3.61
Real estate	.00	.00	.00	.16	.17	.18	.17	.19	.17
Services, total	30.09	37.86	51.13	27.49	33.08	36.41	28.63	34.15	36.92

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other technicians exc health			Computer specialists			Computer programmers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.02	.01	.00	.06	.05	.12	.05	.06	.16
Hotels and motels	.02	.01	.00	.05	.04	.12	.05	.06	.16
Other lodging places	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other personal services	.42	.75	.71	.03	.02	.01	.02	.01	.01
Laundrying and cleaning	.01	.00	.00	.03	.02	.01	.02	.01	.01
Misc personal services	.40	.74	.71	.00	.00	.00	.00	.00	.00
Miscellaneous business services	4.29	5.86	9.29	14.62	17.82	21.38	14.77	17.82	20.65
Advertising	.09	.06	.04	.10	.08	.06	.12	.10	.07
Business management services	.19	.24	.40	1.19	1.50	1.67	1.09	1.37	1.53
Commercial research,development	1.03	1.36	2.57	.98	1.26	1.76	1.01	1.33	2.02
Computer programing	.46	.58	1.10	10.83	12.95	16.33	10.97	12.87	15.29
Detective and protective serv	.40	.63	.90	.03	.04	.04	.04	.07	.06
Employment,temporary help	.00	.00	.00	.13	.18	.22	.17	.25	.32
Services to buildings	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other business services	2.08	2.96	4.26	1.34	1.79	1.28	1.34	1.80	1.34
Automobile services	.05	.04	.00	.07	.08	.07	.05	.06	.06
Automobile repair	.03	.03	.00	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.01	.01	.00	.07	.08	.07	.05	.06	.06
Other repair services	1.70	1.87	1.26	.00	.00	.00	.00	.00	.00
Electrical repair	.22	.19	.28	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	1.48	1.68	.98	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	1.53	1.05	1.53	.10	.06	.09	.10	.07	.10
Miscellaneous entertainment	.19	.29	.24	.01	.03	.02	.02	.04	.03
Other entertainment	.19	.29	.24	.01	.03	.02	.02	.04	.03
Medical and other health service	5.16	7.27	11.19	1.37	1.82	2.89	1.41	1.87	2.82
Offices of physicians	3.22	4.73	8.16	.00	.00	.00	.00	.00	.00
Offices of dentists	.21	.22	.00	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.06	.11	.00	.00	.00	.00	.00	.00	.00
Hospitals	.77	.75	.96	1.08	1.38	2.36	1.14	1.41	2.34
Convalescent institutions	.11	.22	.77	.02	.04	.19	.01	.02	.10
Other health practitioners	.20	.31	.21	.00	.00	.00	.00	.00	.00
Other health services	.57	.90	1.08	.26	.40	.33	.25	.43	.36
Legal services	.00	.00	.00	.01	.01	.01	.01	.02	.02
Educational services	11.02	13.43	16.77	5.50	5.73	5.36	6.67	7.17	6.99
Elementary and secondary school	1.80	2.55	2.32	.54	.63	.38	.59	.65	.33
Colleges and universities	8.77	10.30	13.20	4.57	4.63	4.47	5.69	6.02	6.09
Libraries	.00	.00	.37	.02	.04	.18	.03	.05	.19
Other educational services	.44	.57	.86	.35	.42	.32	.36	.43	.37
Museums,art galleries,zoos	.32	.46	.82	.00	.01	.01	.00	.01	.01
Nonprofit organizations	.31	.34	.47	.53	.59	.56	.53	.60	.64
Religious organizations	.01	.00	.00	.00	.00	.00	.00	.00	.00
Welfare services	.00	.00	.00	.28	.31	.31	.24	.27	.31
Nonprofit membership organiztns	.29	.34	.47	.25	.27	.25	.29	.32	.32
Other professional services	5.03	6.44	8.80	5.13	6.81	5.86	4.92	6.37	5.37
Engineering and architectural	1.66	2.18	2.24	.74	1.05	.85	.74	.99	.66
Accounting and auditing	.16	.20	.17	3.31	4.41	3.65	3.06	3.98	3.28
Miscellaneous professional serv	3.19	4.05	6.38	1.07	1.35	1.35	1.11	1.39	1.41
Government,total	29.51	24.62	9.26	11.39	10.70	12.66	10.34	10.00	11.60
Federal public administration	22.54	15.91	2.26	8.32	6.96	6.80	7.24	6.18	6.05
Postal services	.29	.34	.32	.10	.14	.15	.08	.11	.13
Federal pub adm,exc post office	22.24	15.56	1.94	8.21	6.82	6.65	7.16	6.07	5.92
State public administration	4.96	6.31	3.62	1.85	2.30	3.45	1.80	2.27	2.67
Local public administration	2.00	2.39	3.37	1.21	1.42	2.40	1.29	1.54	2.87

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Computer systems analysts			Other computer specialists			Social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.02	.02	.02	.00	.00	.00	.08	.08	.04
Agriculture	.00	.01	.00	.00	.00	.00	.02	.01	.00
Services, except horticulture	.00	.01	.00	.00	.00	.00	.01	.01	.00
Forestry	.01	.01	.01	.00	.00	.00	.06	.07	.03
Mining	.96	1.30	1.21	.78	.95	.51	.36	.41	.31
Metal	.08	.07	.05	.03	.03	.03	.01	.01	.01
Coal	.01	.02	.03	.00	.00	.00	.01	.01	.02
Crude petroleum and natural gas	.83	1.17	1.10	.71	.87	.44	.33	.39	.28
Nonmetallic mining and quarrying	.03	.02	.01	.04	.04	.03	.00	.00	.00
Construction	.74	.68	.62	1.26	1.10	.83	.53	.39	.30
General building contractors	.07	.09	.12	.10	.05	.00	.14	.11	.11
General contractors, exc building	.57	.52	.49	.96	.89	.83	.36	.25	.18
Special trade contractors	.09	.06	.00	.19	.14	.00	.03	.02	.00
Manufacturing	36.84	32.73	28.44	37.95	33.10	26.46	21.63	16.19	14.40
Durable goods	30.12	26.91	23.76	31.26	27.45	22.44	14.54	11.40	11.25
Ordnance	2.04	1.01	.78	2.29	1.14	.84	.64	.28	.27
Lumber and wood products	.18	.17	.15	.13	.07	.00	.16	.12	.10
Sawmill, planing and mill work	.12	.11	.10	.13	.07	.00	.15	.12	.10
Miscellaneous wood products	.05	.05	.05	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.16	.15	.13	.00	.00	.00	.10	.09	.09
Stone, clay, and glass products	.45	.40	.29	.22	.19	.08	.52	.36	.21
Glass and glass products	.16	.15	.10	.06	.04	.00	.17	.11	.06
Cement, concrete, plaster	.17	.15	.09	.00	.00	.00	.18	.12	.05
Structural clay products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	.08	.08	.07	.16	.15	.08	.16	.12	.08
Primary metal industries	1.20	.99	.79	1.06	1.01	.92	.85	.59	.49
Blast furnaces, steel works	.60	.44	.32	.38	.31	.27	.47	.29	.22
Other primary steel	.12	.11	.09	.17	.21	.33	.11	.07	.06
Primary aluminum	.26	.25	.24	.30	.32	.25	.11	.10	.09
Other primary nonferrous	.20	.17	.14	.20	.15	.06	.15	.12	.10
Fabricated metal products	.83	.80	.69	1.17	1.14	.92	.85	.69	.65
Cutlery and other hardware	.16	.15	.11	.24	.27	.33	.18	.14	.13
Fabricated structural metal	.25	.25	.26	.32	.33	.27	.20	.17	.16
Screw machine products	.08	.07	.04	.04	.04	.03	.05	.04	.05
Metal stamping	.08	.08	.08	.11	.09	.10	.11	.08	.07
Miscellaneous fabricated metal	.25	.23	.18	.45	.39	.18	.30	.24	.22
Machinery except electrical	12.91	13.09	13.28	11.99	12.33	11.88	3.35	2.98	3.81
Engines and turbines	.26	.26	.19	.08	.09	.10	.16	.14	.13
Farm machinery and equipment	.21	.19	.13	.17	.15	.08	.20	.16	.12
Construction machines	.69	.72	.61	.41	.42	.31	.33	.31	.36
Metalworking machinery	.25	.24	.20	.49	.43	.26	.16	.13	.14
Office and accounting machines	1.07	.67	.38	.92	.59	.34	.39	.20	.11
Electronic computing equipment	9.65	10.26	11.14	9.28	9.96	10.15	1.34	1.35	2.15
Other machinery, exc electrical	.74	.72	.61	.63	.66	.62	.75	.66	.77
Electrical machinery	5.71	4.88	4.09	6.45	5.34	4.18	3.60	2.81	2.88
Household appliances	.27	.21	.15	.20	.21	.27	.20	.14	.14
Radio, tv communications equip	2.49	1.91	1.67	3.37	2.52	2.21	1.39	.98	.95
Other electrical machinery	2.93	2.75	2.25	2.87	2.60	1.68	2.01	1.68	1.78
Transportation equipment	4.92	3.78	2.28	6.50	4.91	2.76	2.91	2.14	1.50
Motor vehicles and equipment	1.20	1.22	.95	.95	.90	.51	1.31	1.09	.84
Aircraft and parts	3.29	2.22	1.00	5.28	3.69	1.76	1.39	.85	.50
Ship, boat building and repair	.34	.25	.23	.13	.15	.21	.11	.11	.08
Railroad equipment	.05	.06	.04	.09	.10	.07	.04	.04	.03
Mobile dwellings	.00	.01	.02	.04	.06	.19	.01	.00	.00
Cycles, misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.04
Professional, scientific instrs	1.38	1.33	1.05	1.30	1.23	.82	1.28	1.12	1.09
Scientific instruments	.59	.53	.34	.66	.61	.43	.36	.29	.24
Optical, health serv supplies	.20	.24	.20	.23	.25	.12	.35	.39	.46
Photo equipment and supplies	.56	.54	.49	.40	.37	.26	.54	.43	.37
Watches and clock devices	.02	.01	.01	.00	.00	.00	.02	.00	.00
Miscellaneous manufacturing	.31	.26	.18	.11	.05	.00	.23	.17	.12
Nondurable goods	6.72	5.82	4.68	6.69	5.64	4.02	7.09	4.78	3.14

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Computer systems analysts			Other computer specialists			Social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.85	.69	.50	.82	.58	.29	1.07	.69	.43
Meat	.07	.06	.03	.02	.01	.00	.12	.08	.05
Dairy	.13	.08	.04	.28	.17	.08	.10	.05	.02
Canning and preserving	.14	.12	.08	.08	.04	.00	.00	.00	.00
Grain mill	.06	.06	.04	.13	.10	.03	.11	.07	.05
Bakery	.03	.03	.04	.00	.00	.00	.00	.00	.00
Confectionery	.04	.03	.01	.04	.04	.05	.04	.03	.02
Beverages	.13	.10	.06	.00	.00	.00	.41	.26	.16
Miscellaneous food preparation	.22	.19	.14	.25	.19	.10	.28	.18	.11
Tobacco manufacturing	.05	.04	.02	.13	.07	.03	.16	.08	.04
Textile mill products	.52	.41	.35	.34	.30	.26	.10	.06	.05
Knitting mills	.07	.06	.04	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.04	.03	.04	.06	.04	.02	.00	.00	.00
Floor coverings	.07	.06	.06	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.27	.20	.15	.28	.25	.24	.10	.06	.05
Miscellaneous textile mill	.04	.04	.05	.00	.00	.00	.00	.00	.00
Apparel and textile products	.34	.27	.17	.57	.49	.31	.12	.06	.01
Apparel and accessories	.31	.24	.15	.44	.37	.26	.12	.06	.01
Miscellaneous fabricated textile	.02	.02	.02	.13	.11	.05	.00	.00	.00
Paper and allied products	.62	.51	.45	.63	.51	.30	.70	.44	.28
Pulp,paper paperboard mills	.36	.27	.18	.26	.17	.06	.29	.16	.09
Paperboard ccontainers,boxes	.07	.06	.08	.02	.01	.00	.15	.09	.06
Miscellaneous paper and pulp	.19	.18	.18	.33	.31	.24	.24	.18	.13
Printing and publishing	.91	.96	1.09	.77	.56	.17	.88	.60	.37
Newspaper publishing, printing	.11	.08	.04	.03	.01	.00	.16	.11	.11
Other printing,exc newspapers	.79	.87	1.05	.74	.54	.17	.72	.48	.26
Chemicals and allied products	1.97	1.73	1.36	2.15	1.93	1.82	2.38	1.69	1.39
Industrial chemicals	.66	.52	.36	.78	.67	.58	.83	.56	.43
Plastics and synthetics	.11	.09	.11	.28	.25	.26	.13	.09	.09
Synthetic fibers	.14	.12	.11	.27	.27	.38	.09	.06	.08
Drugs and medicines	.63	.64	.51	.37	.39	.30	.63	.52	.43
Soaps and cosmetics	.22	.18	.12	.10	.09	.11	.34	.23	.16
Paints and varnishes	.06	.06	.05	.16	.13	.10	.10	.07	.06
Agricultural chemicals	.05	.05	.03	.00	.00	.00	.06	.04	.02
Miscellaneous chemicals	.07	.04	.04	.18	.10	.06	.16	.09	.08
Petroleum and coal products	.94	.76	.45	.62	.52	.22	1.11	.73	.30
Petroleum refining	.90	.73	.43	.56	.47	.19	1.07	.69	.26
Misc petroleum,coal products	.03	.02	.02	.05	.05	.03	.04	.04	.04
Rubber,miscellaneous plastics	.37	.33	.21	.50	.55	.49	.47	.38	.21
Rubber	.26	.19	.10	.31	.28	.23	.23	.14	.09
Miscellaneous plastics	.10	.13	.10	.18	.27	.25	.24	.23	.12
Leather products	.11	.08	.04	.13	.09	.09	.05	.02	.00
Footwear, except rubber	.06	.03	.01	.03	.01	.00	.03	.01	.00
All other leather	.05	.04	.03	.10	.08	.09	.02	.01	.00
Transportation, other public util	4.77	4.48	5.08	3.97	3.67	3.34	3.20	2.45	1.98
Transportation,total	1.60	1.45	1.25	1.33	1.10	.60	.78	.53	.44
Railroads and railway express	.46	.32	.18	.31	.28	.24	.17	.08	.03
Local and interurban transit	.03	.02	.05	.05	.03	.00	.03	.01	.02
Street railways and bus lines	.02	.01	.05	.05	.03	.00	.03	.01	.02
Trucking and warehousing	.19	.20	.14	.29	.21	.00	.10	.08	.05
Trucking services	.16	.18	.14	.29	.21	.00	.07	.07	.04
Warehousing and storage	.02	.01	.00	.00	.00	.00	.02	.01	.00
Water transportation	.10	.11	.03	.18	.10	.05	.06	.03	.02
Air transportation	.61	.56	.63	.43	.39	.22	.31	.23	.23
Pipelines	.04	.03	.01	.00	.00	.00	.03	.02	.01
Transportation services	.14	.19	.18	.04	.06	.07	.05	.05	.05
Communicatns,utils,sanitary serv	3.16	3.02	3.83	2.63	2.57	2.73	2.42	1.91	1.54
Communications	1.96	1.91	3.07	1.64	1.63	2.26	1.18	.98	.91
Telephone(wire and radio)	1.72	1.64	2.84	1.41	1.38	2.08	.91	.71	.69
Telegraph,misc communicatn serv	.18	.20	.15	.16	.18	.10	.10	.09	.07
Radio and tv broadcasting	.05	.06	.07	.06	.07	.07	.17	.17	.15
Utilities and sanitary services	1.20	1.11	.75	.99	.93	.47	1.24	.93	.62
Electric light and power	.36	.41	.24	.40	.50	.30	.49	.43	.25
Electric-gas utilities	.50	.41	.29	.19	.14	.05	.36	.25	.20
Gas steam supply systems	.26	.20	.12	.27	.19	.08	.36	.24	.16
Water supply	.04	.03	.04	.02	.01	.00	.01	.00	.00
Sanitary services	.03	.04	.05	.04	.03	.00	.00	.00	.00
Other utilities	.00	.00	.00	.05	.03	.03	.00	.00	.00
Wholesale and retail trade	9.24	9.32	6.40	12.33	13.11	9.30	6.38	5.12	3.63
Wholesale trade	7.23	7.20	4.04	10.28	11.01	7.07	5.05	3.89	2.34

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Computer systems analysts			Other computer specialists			Social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	6.21	6.28	3.42	9.47	10.32	6.59	3.26	2.55	1.42
Motor vehicles and equipment	.16	.16	.11	.30	.27	.12	.34	.27	.17
Drugs,chemicals,allied product	.25	.24	.19	.05	.03	.00	.62	.43	.24
Dry goods and apparel	.09	.08	.05	.49	.41	.28	.10	.07	.05
Food and related products	.26	.24	.14	.29	.34	.36	.26	.18	.08
Farm products-raw materials	.03	.04	.01	.09	.11	.05	.07	.07	.02
Electrical goods	.55	.52	.43	.54	.51	.38	.52	.38	.25
Hardware and plumbing	.03	.03	.02	.11	.10	.06	.08	.05	.02
Machinery equipment,supplies	4.80	4.94	2.44	7.58	8.52	5.32	1.24	1.05	.55
Miscellaneous wholesale trade	1.01	.91	.62	.80	.69	.47	1.79	1.34	.92
Metals and minerals, other	.17	.14	.08	.06	.07	.12	.13	.09	.06
Petroleum products	.31	.30	.18	.33	.28	.11	.91	.68	.38
Alcoholic beverages	.03	.03	.02	.00	.00	.00	.06	.05	.03
Paper and paper products	.14	.11	.09	.29	.26	.23	.17	.11	.09
Lumber,construction materials	.04	.03	.02	.00	.00	.00	.06	.05	.07
Other wholesale trade	.29	.27	.20	.11	.07	.00	.43	.34	.26
Retail trade	2.01	2.11	2.35	2.04	2.09	2.22	1.32	1.22	1.29
Building materials	.05	.05	.04	.00	.00	.00	.04	.03	.01
Lumber,building material	.04	.04	.02	.00	.00	.00	.04	.03	.01
Hardware and farm equipment	.01	.01	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	1.08	1.07	.97	1.39	1.45	1.80	.38	.34	.39
Department stores,mail order	.80	.85	.78	.70	.92	1.33	.28	.27	.32
Limited price stores	.07	.06	.05	.22	.16	.08	.00	.00	.00
Vending machine operators	.01	.01	.01	.04	.03	.03	.00	.00	.00
Direct selling	.04	.02	.01	.00	.00	.00	.06	.04	.01
Miscellaneous merchadise store	.15	.11	.11	.41	.32	.34	.03	.02	.04
Food and dairy stores	.19	.22	.68	.06	.05	.02	.14	.16	.29
Grocery stores	.18	.21	.63	.03	.01	.00	.11	.14	.26
Dairy products	.00	.00	.00	.03	.03	.02	.00	.00	.00
Retail bakeries	.00	.00	.02	.00	.00	.00	.00	.00	.01
Food stores, other	.01	.01	.01	.00	.00	.00	.02	.01	.01
Auto dealers,gas stations	.05	.04	.01	.00	.00	.00	.09	.08	.07
Motor vehicle dealers	.02	.01	.00	.00	.00	.00	.08	.07	.05
Tire,battery,accessory dealers	.03	.03	.01	.00	.00	.00	.00	.00	.01
Apparel and accessory stores	.06	.08	.10	.06	.04	.00	.11	.08	.03
Apparel,accessory,except shoes	.04	.06	.07	.02	.01	.00	.10	.07	.03
Shoe stores	.02	.02	.02	.04	.03	.00	.01	.00	.00
Furniture and appliance stores	.08	.11	.12	.05	.04	.00	.10	.11	.10
Home furnishings	.02	.04	.07	.00	.00	.00	.06	.05	.03
Household appliances,tv,radio	.06	.07	.04	.05	.04	.00	.04	.06	.06
Eating and drinking places	.09	.09	.00	.09	.08	.00	.06	.05	.00
Miscellaneous retail trade	.37	.43	.41	.37	.41	.40	.36	.33	.38
Drug stores	.06	.05	.05	.03	.01	.00	.02	.02	.04
Liquor stores	.00	.00	.00	.00	.00	.00	.01	.00	.00
Farm,garden supply stores	.00	.00	.00	.04	.05	.06	.00	.00	.00
Jewelry stores	.01	.02	.01	.00	.00	.00	.02	.01	.00
Fuel and ice dealers	.02	.01	.01	.09	.07	.02	.10	.06	.02
Misc retail trade stores	.26	.33	.33	.20	.27	.31	.18	.22	.30
Finance,insurance and real estate	8.47	7.93	8.65	6.07	5.93	8.15	6.47	5.55	7.56
Finance,total	3.96	4.25	6.04	3.12	3.64	5.66	4.53	4.14	6.50
Banking	2.93	3.20	4.80	2.40	2.91	4.99	2.48	2.45	4.57
Credit agencies	.46	.55	.76	.32	.38	.39	.54	.61	.92
Stock brokers,investment cos	.57	.50	.48	.39	.34	.27	1.50	1.07	.99
Insurance	4.35	3.49	2.36	2.86	2.21	2.49	1.39	.91	.59
Real estate	.15	.18	.24	.08	.07	.00	.55	.50	.47
Services, total	25.02	30.99	35.65	28.73	35.13	36.55	40.73	54.59	57.09

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Computer systems analysts			Other computer specialists			Social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.09	.05	.00	.07	.06	.61	.06	.07	.09
Hotels and motels	.03	.02	.00	.07	.06	.61	.05	.06	.09
Other lodging places	.05	.02	.00	.00	.00	.00	.01	.01	.00
Other personal services	.04	.02	.01	.04	.01	.00	.09	.10	.16
Laundering and cleaning	.04	.02	.01	.04	.01	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.09	.10	.16
Miscellaneous business services	14.18	17.64	22.71	15.58	18.82	19.67	10.11	9.79	12.48
Advertising	.06	.05	.04	.15	.13	.07	.41	.29	.23
Business management services	1.44	1.79	1.98	.89	1.05	.94	6.99	6.50	8.62
Commercial research, development	.87	1.09	1.41	1.30	1.57	1.54	.62	.66	.80
Computer programing	10.44	12.89	17.97	11.53	13.83	15.66	.68	.72	1.15
Detective and protective serv	.00	.01	.02	.00	.00	.00	.00	.00	.01
Employment, temporary help	.05	.08	.11	.06	.07	.00	.02	.05	.07
Other business services	1.29	1.70	1.16	1.62	2.14	1.44	1.36	1.54	1.57
Automobile services	.10	.10	.09	.13	.11	.07	.00	.00	.00
Automobile services, exc repair	.10	.10	.09	.13	.11	.07	.00	.00	.00
Motion pictures and theaters	.10	.05	.07	.00	.00	.00	.05	.04	.06
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other entertainment	.00	.00	.00	.00	.00	.00	.01	.00	.00
Medical and other health service	1.27	1.62	2.53	1.51	2.38	5.84	11.91	20.03	25.47
Offices of physicians	.00	.00	.00	.00	.00	.00	.95	.80	1.62
Hospitals	.95	1.18	1.94	1.20	2.08	5.24	7.90	11.22	10.48
Convalescent institutions	.03	.06	.35	.05	.04	.00	.21	.50	1.13
Other health practitioners	.00	.00	.00	.00	.00	.00	.43	.57	1.33
Other health services	.29	.37	.24	.25	.25	.60	2.40	6.94	10.90
Legal services	.00	.00	.00	.03	.03	.00	.00	.00	.00
Educational services	3.40	3.80	3.33	3.96	4.13	2.87	10.99	15.77	10.58
Elementary and secondary school	.45	.65	.51	.54	.37	.00	5.84	9.50	5.48
Colleges and universities	2.58	2.70	2.37	3.03	3.31	2.59	4.40	5.20	4.14
Libraries	.02	.03	.19	.01	.01	.00	.08	.09	.08
Other educational services	.34	.41	.25	.37	.42	.27	.65	.97	.86
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.12	.10	.18
Nonprofit organizations	.52	.55	.45	.64	.66	.50	2.67	2.60	2.95
Religious organizations	.00	.00	.00	.00	.00	.00	.20	.19	.18
Welfare services	.35	.38	.31	.36	.34	.20	1.35	1.44	1.99
Residential welfare services	.00	.00	.00	.00	.00	.00	.08	.12	.12
Nonprofit membership organiztns	.17	.17	.14	.28	.31	.29	1.03	.83	.65
Private housechlds	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other professional services	5.28	7.09	6.41	6.74	8.89	6.97	4.67	6.02	5.07
Engineering and architectural	.62	.92	.95	1.45	2.11	1.93	.97	1.05	.70
Accounting and auditing	3.73	4.97	4.22	3.84	4.94	3.53	.39	.38	.24
Miscellaneous professional serv	.93	1.19	1.23	1.43	1.83	1.51	3.30	4.58	4.12
Government, total	13.90	12.51	13.90	8.87	6.98	14.83	20.57	15.17	14.65
Federal public administration	10.84	8.84	7.14	6.11	3.66	11.92	12.53	7.33	5.50
Postal services	.16	.21	.21	.00	.00	.00	.08	.07	.05
Federal pub adm, exc post office	10.68	8.63	6.92	6.11	3.66	11.92	12.45	7.26	5.45
State public administration	1.95	2.39	4.91	1.80	2.03	1.37	2.71	3.06	3.16
Local public administration	1.10	1.27	1.84	.95	1.27	1.54	5.31	4.77	5.99

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Economists			Political scientists			Psychologists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.13	.16	.09	.00	.00	.00	.01	.01	.00
Agriculture	.03	.02	.02	.00	.00	.00	.00	.00	.00
Services,except horticulture	.03	.02	.02	.00	.00	.00	.00	.00	.00
Forestry	.10	.14	.07	.00	.00	.00	.01	.01	.00
Mining	.60	.86	.66	.00	.00	.00	.01	.01	.00
Metal	.02	.02	.02	.00	.00	.00	.00	.00	.00
Coal	.02	.02	.04	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.55	.81	.60	.00	.00	.00	.01	.01	.00
Construction	.68	.66	.52	.00	.00	.00	.00	.00	.00
General building contractors	.21	.24	.24	.00	.00	.00	.00	.00	.00
General contractors,exc building	.40	.37	.28	.00	.00	.00	.00	.00	.00
Special trade contractors	.06	.04	.00	.00	.00	.00	.00	.00	.00
Manufacturing	36.90	34.11	30.19	7.41	4.72	.00	1.07	.69	.30
Durable goods	24.75	23.95	23.55	5.46	3.54	.00	.93	.60	.29
Ordnance	1.04	.58	.58	.00	.00	.00	.10	.02	.00
Lumber and wood products	.26	.25	.21	.00	.00	.00	.04	.02	.00
Sawmill,planing and mill work	.25	.24	.21	.00	.00	.00	.04	.02	.00
Furniture and fixtures	.18	.19	.20	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.86	.76	.45	1.52	.96	.00	.02	.01	.00
Glass and glass products	.28	.24	.14	.00	.00	.00	.02	.01	.00
Cement,concrete,plaster	.27	.23	.12	1.52	.96	.00	.00	.00	.00
Structural clay products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.28	.26	.18	.00	.00	.00	.00	.00	.00
Primary metal industries	1.47	1.24	1.02	.00	.00	.00	.04	.03	.02
Blast furnaces,steel works	.82	.63	.47	.00	.00	.00	.00	.00	.00
Other primary steel	.19	.16	.13	.00	.00	.00	.00	.00	.00
Primary aluminum	.20	.22	.20	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.24	.22	.20	.00	.00	.00	.04	.03	.02
Fabricated metal products	1.49	1.50	1.37	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.31	.31	.27	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.35	.36	.35	.00	.00	.00	.00	.00	.00
Screw machine products	.09	.09	.10	.00	.00	.00	.00	.00	.00
Metal stamping	.20	.18	.15	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.52	.53	.48	.00	.00	.00	.00	.00	.00
Machinery except electrical	5.76	6.34	8.03	1.31	.89	.00	.09	.07	.03
Engines and turbines	.28	.31	.29	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.35	.34	.26	.00	.00	.00	.00	.00	.00
Construction machines	.57	.68	.76	.00	.00	.00	.00	.00	.00
Metalworking machinery	.27	.28	.30	.00	.00	.00	.00	.00	.00
Office and accounting machines	.68	.43	.24	.00	.00	.00	.01	.00	.00
Electronic computing equipment	2.31	2.86	4.52	.00	.00	.00	.07	.06	.03
Other machinery,exc electrical	1.26	1.41	1.63	1.31	.89	.00	.01	.00	.00
Electrical machinery	6.10	5.87	5.99	2.62	1.68	.00	.23	.16	.12
Household appliances	.34	.31	.30	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	2.36	2.02	1.90	.00	.00	.00	.13	.11	.12
Other electrical machinery	3.39	3.53	3.77	2.62	1.68	.00	.09	.05	.00
Transportation equipment	4.93	4.43	3.10	.00	.00	.00	.31	.20	.09
Motor vehicles and equipment	2.28	2.33	1.78	.00	.00	.00	.03	.02	.00
Aircraft and parts	2.32	1.69	.97	.00	.00	.00	.24	.16	.09
Ship,boat building and repair	.18	.22	.16	.00	.00	.00	.03	.02	.00
Railroad equipment	.08	.09	.06	.00	.00	.00	.00	.00	.00
Mobile dwellings	.02	.01	.01	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.03	.06	.10	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	2.21	2.38	2.30	.00	.00	.00	.06	.04	.01
Scientific instruments	.63	.62	.52	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.62	.85	.98	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.92	.88	.78	.00	.00	.00	.06	.04	.01
Watches and clock devices	.03	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.40	.36	.25	.00	.00	.00	.01	.00	.00
Nondurable goods	12.14	10.16	6.63	1.94	1.17	.00	.14	.08	.01

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Economists			Political scientists			Psychologists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.87	1.48	.92	.00	.00	.00	.02	.01	.00
Meat	.20	.17	.11	.00	.00	.00	.02	.01	.00
Dairy	.18	.11	.05	.00	.00	.00	.00	.00	.00
Grain mill	.19	.16	.11	.00	.00	.00	.00	.00	.00
Confectionery	.07	.06	.04	.00	.00	.00	.00	.00	.00
Beverages	.71	.56	.34	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.49	.40	.25	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.28	.18	.09	.00	.00	.00	.00	.00	.00
Textile mill products	.17	.13	.11	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.17	.13	.11	.00	.00	.00	.00	.00	.00
Apparel and textile products	.21	.13	.04	.00	.00	.00	.00	.00	.00
Apparel and accessories	.21	.13	.04	.00	.00	.00	.00	.00	.00
Paper and allied products	1.22	.95	.60	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.52	.36	.19	.00	.00	.00	.00	.00	.00
Paperboard containers,boxes	.27	.20	.13	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.43	.38	.27	.00	.00	.00	.00	.00	.00
Printing and publishing	1.38	1.19	.79	1.94	1.17	.00	.09	.05	.00
Newspaper publishing, printing	.22	.22	.23	1.94	1.17	.00	.00	.00	.00
Other printing,exc newspapers	1.15	.96	.56	.00	.00	.00	.09	.05	.00
Chemicals and allied products	4.15	3.64	2.93	.00	.00	.00	.00	.00	.00
Industrial chemicals	1.45	1.20	.91	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.23	.20	.20	.00	.00	.00	.00	.00	.00
Synthetic fibers	.16	.14	.18	.00	.00	.00	.00	.00	.00
Drugs and medicines	1.09	1.11	.90	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.60	.50	.35	.00	.00	.00	.00	.00	.00
Paints and varnishes	.19	.15	.13	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.11	.10	.05	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.29	.19	.18	.00	.00	.00	.00	.00	.00
Petroleum and coal products	1.89	1.54	.64	.00	.00	.00	.02	.02	.01
Petroleum refining	1.81	1.46	.53	.00	.00	.00	.02	.02	.01
Misc petroleum,coal products	.08	.08	.10	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.83	.82	.46	.00	.00	.00	.00	.00	.00
Rubber	.41	.32	.19	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.42	.50	.26	.00	.00	.00	.00	.00	.00
Leather products	.09	.06	.02	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.06	.03	.01	.00	.00	.00	.00	.00	.00
All other leather	.03	.02	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	5.47	5.12	4.07	.00	.00	.00	.14	.15	.13
Transportation,total	1.31	1.13	.93	.00	.00	.00	.00	.00	.00
Railroads and railway express	.29	.16	.06	.00	.00	.00	.00	.00	.00
Local and interurban transit	.05	.03	.06	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.05	.03	.06	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.18	.17	.11	.00	.00	.00	.00	.00	.00
Trucking services	.13	.15	.09	.00	.00	.00	.00	.00	.00
Warehousing and storage	.04	.02	.01	.00	.00	.00	.00	.00	.00
Water transportation	.10	.08	.05	.00	.00	.00	.00	.00	.00
Air transportation	.52	.49	.48	.00	.00	.00	.00	.00	.00
Pipelines	.06	.05	.02	.00	.00	.00	.00	.00	.00
Transportation services	.10	.11	.12	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	4.15	3.99	3.14	.00	.00	.00	.14	.15	.13
Communications	1.99	1.98	1.82	.00	.00	.00	.14	.15	.13
Telephone(wire and radio)	1.58	1.54	1.45	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.17	.20	.16	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.23	.23	.19	.00	.00	.00	.14	.15	.13
Utilities and sanitary services	2.15	2.01	1.32	.00	.00	.00	.00	.00	.00
Electric light and power	.85	.92	.54	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.63	.54	.42	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.63	.52	.35	.00	.00	.00	.00	.00	.00
Water supply	.03	.01	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	11.07	10.97	7.66	.00	.00	.00	.04	.05	.03
Wholesale trade	8.79	8.38	4.95	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Economists			Political scientists			Psychologists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	5.67	5.47	3.00	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.59	.58	.37	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	1.08	.94	.51	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.19	.16	.11	.00	.00	.00	.00	.00	.00
Food and related products	.46	.40	.18	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.12	.15	.05	.00	.00	.00	.00	.00	.00
Electrical goods	.89	.81	.53	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.13	.12	.05	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	2.17	2.28	1.16	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	3.12	2.90	1.94	.00	.00	.00	.00	.00	.00
Metals and minerals, other	.23	.19	.12	.00	.00	.00	.00	.00	.00
Petroleum products	1.59	1.47	.82	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.11	.12	.06	.00	.00	.00	.00	.00	.00
Paper and paper products	.30	.24	.20	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.10	.12	.16	.00	.00	.00	.00	.00	.00
Other wholesale trade	.76	.74	.56	.00	.00	.00	.00	.00	.00
Retail trade	2.27	2.59	2.70	.00	.00	.00	.04	.05	.03
Building materials	.07	.07	.02	.00	.00	.00	.00	.00	.00
Lumber,building material	.07	.07	.02	.00	.00	.00	.00	.00	.00
General merchandise,total	.67	.74	.82	.00	.00	.00	.00	.00	.00
Department stores,mail order	.50	.58	.68	.00	.00	.00	.00	.00	.00
Direct selling	.10	.10	.04	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.05	.05	.09	.00	.00	.00	.00	.00	.00
Food and dairy stores	.25	.36	.62	.00	.00	.00	.00	.00	.00
Grocery stores	.19	.31	.55	.00	.00	.00	.00	.00	.00
Metail bakeries	.00	.00	.02	.00	.00	.00	.00	.00	.00
Food stores,cther	.04	.03	.03	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.17	.18	.16	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.14	.15	.12	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealers	.01	.02	.03	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.01	.01	.01	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.20	.18	.07	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.17	.16	.07	.00	.00	.00	.00	.00	.00
Shoe stores	.02	.01	.00	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.17	.19	.18	.00	.00	.00	.04	.05	.03
Home furnishings	.11	.10	.08	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.05	.08	.10	.00	.00	.00	.04	.05	.03
Eating and drinking places	.11	.12	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.62	.72	.80	.00	.00	.00	.00	.00	.00
Drug stores	.04	.05	.09	.00	.00	.00	.00	.00	.00
Liquor stores	.02	.01	.00	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Jewelry stores	.03	.02	.00	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.18	.12	.05	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.32	.47	.64	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	10.76	11.43	15.60	3.94	4.41	5.62	.13	.07	.00
Finance,total	7.81	8.87	13.75	1.10	.75	.00	.03	.01	.00
Banking	4.26	5.24	9.68	1.10	.75	.00	.00	.00	.00
Credit agencies	.94	1.33	1.95	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	2.60	2.30	2.11	.00	.00	.00	.03	.01	.00
Insurance	2.36	1.90	1.25	.00	.00	.00	.08	.04	.00
Real estate	.58	.64	.59	2.83	3.65	5.62	.01	.00	.00
Services, total	20.36	24.30	30.97	65.30	60.78	43.99	91.72	93.35	93.82

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Economists			Political scientists			Psychologists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.07	.12	.20	.00	.00	.00	.06	.04	.00
Hotels and motels	.07	.12	.20	.00	.00	.00	.02	.01	.00
Other lodging places	.00	.00	.00	.00	.00	.00	.04	.02	.00
Miscellaneous business services	14.72	17.45	23.69	20.50	19.88	15.37	1.70	1.72	1.46
Advertising	.66	.58	.46	1.42	.93	.43	.05	.03	.01
Business management services	9.89	11.29	16.32	15.77	16.40	13.72	1.04	1.02	.86
Commercial research,development	.73	.91	1.22	3.31	2.55	1.20	.34	.34	.28
Computer programming	1.16	1.54	2.44	.00	.00	.00	.02	.01	.00
Employment, temporary help	.00	.00	.00	.00	.00	.00	.09	.13	.18
Other business services	2.25	3.12	3.23	.00	.00	.00	.14	.16	.11
Motion pictures and theaters	.08	.05	.07	.00	.00	.00	.02	.01	.04
Medical and other health service	.28	.36	.41	.00	.00	.00	43.71	46.89	60.31
Offices of physicians	.00	.00	.00	.00	.00	.00	3.66	1.92	3.93
Hospitals	.10	.07	.00	.00	.00	.00	29.25	26.51	25.46
Convalescent institutions	.03	.02	.00	.00	.00	.00	.74	1.16	2.75
Other health practitioners	.00	.00	.00	.00	.00	.00	1.68	1.37	3.24
Other health services	.15	.26	.41	.00	.00	.00	8.37	15.91	24.90
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	1.54	2.01	2.38	14.40	10.40	5.45	34.13	33.20	21.12
Elementary and secondary school	.00	.00	.00	.00	.00	.00	22.26	22.77	13.33
Colleges and universities	1.37	1.73	1.97	13.51	9.30	5.45	9.74	8.36	6.14
Libraries	.04	.10	.10	.89	1.10	.00	.00	.00	.00
Other educational services	.12	.17	.30	.00	.00	.00	2.11	2.06	1.64
Nonprofit organizations	1.24	1.26	1.11	19.45	19.29	12.64	3.87	3.08	4.33
Religious organizations	.00	.00	.00	.00	.00	.00	.04	.02	.00
Welfare services	.38	.44	.64	.00	.00	.00	3.32	2.54	3.81
Residential welfare services	.00	.00	.00	.00	.00	.00	.27	.28	.28
Nonprofit membership organiztns	.85	.82	.47	19.45	19.29	12.64	.23	.23	.23
Private households	.01	.00	.00	.00	.00	.00	.01	.01	.00
Other professional services	2.38	3.01	3.09	10.93	11.19	10.51	8.20	8.37	6.55
Engineering and architectural	.74	1.05	.98	.00	.00	.00	.05	.04	.00
Accounting and auditing	.68	.82	.51	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.95	1.13	1.59	10.93	11.19	10.51	8.15	8.32	6.55
Government, total	13.99	12.35	10.19	23.34	30.08	50.38	6.84	5.64	5.70
Federal public administration	11.47	9.28	6.93	15.87	21.19	41.01	3.53	2.34	1.45
Postal services	.10	.11	.05	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	11.37	9.16	6.88	15.87	21.19	41.01	3.53	2.34	1.45
State public administration	1.99	2.43	2.31	5.73	7.58	9.37	2.41	2.46	2.14
Local public administration	.52	.64	.93	1.73	1.30	.00	.89	.84	2.10

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sociolo- ogists			Urban and regional planners			Other social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.30	.30	.00	.03	.02	.00	.00	.00	.00
Agriculture	.00	.00	.00	.03	.02	.00	.00	.00	.00
Horticultural services	.00	.00	.00	.03	.02	.00	.00	.00	.00
Forestry	.30	.30	.00	.00	.00	.00	.00	.00	.00
Mining	.69	.59	.00	.05	.05	.00	.00	.00	.00
Crude petroleum and natural gas	.69	.59	.00	.05	.05	.00	.00	.00	.00
Construction	.46	.25	.00	1.38	1.12	.88	.55	.40	.00
General building contractors	.00	.00	.00	.21	.10	.00	.00	.00	.00
General contractors,exc building	.46	.25	.00	1.17	1.02	.88	.55	.40	.00
Manufacturing	.92	.56	.00	.60	.28	.00	.58	.38	.00
Durable goods	.61	.38	.00	.18	.05	.00	.08	.02	.00
Ordnance	.00	.00	.00	.18	.05	.00	.08	.02	.00
Electrical machinery	.30	.18	.00	.00	.00	.00	.00	.00	.00
Other electrical machinery	.30	.18	.00	.00	.00	.00	.00	.00	.00
Transportation equipment	.30	.20	.00	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.30	.20	.00	.00	.00	.00	.00	.00	.00
Nondurable goods	.30	.18	.00	.41	.22	.00	.50	.36	.00
Printing and publishing	.30	.18	.00	.15	.08	.00	.35	.25	.00
Other printing,exc newspapers	.30	.18	.00	.15	.08	.00	.35	.25	.00
Chemicals and allied products	.00	.00	.00	.00	.00	.00	.10	.08	.00
Drugs and medicines	.00	.00	.00	.00	.00	.00	.10	.08	.00
Petroleum and coal products	.00	.00	.00	.25	.13	.00	.04	.02	.00
Petroleum refining	.00	.00	.00	.25	.13	.00	.04	.02	.00
Transportation, other public util	.00	.00	.00	.26	.14	.00	.21	.13	.00
Transportation,total	.00	.00	.00	.26	.14	.00	.11	.06	.00
Railroads and railway express	.00	.00	.00	.05	.02	.00	.11	.06	.00
Local and interurban transit	.00	.00	.00	.05	.02	.00	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.05	.02	.00	.00	.00	.00
Air transportation	.00	.00	.00	.15	.09	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.10	.07	.00
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.10	.07	.00
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.10	.07	.00
Wholesale and retail trade	1.45	.84	.00	.00	.00	.00	.11	.10	.00
Wholesale trade	.99	.61	.00	.00	.00	.00	.11	.10	.00
Wholesale,exc misc whlsle trade	.99	.61	.00	.00	.00	.00	.11	.10	.00
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.11	.10	.00
Electrical gcods	.99	.61	.00	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sociolo- ogists			Urban and regional planners			Other social scientists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.46	.23	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.46	.23	.00	.00	.00	.00	.00	.00	.00
Drug stores	.46	.23	.00	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	1.99	1.20	.00	2.20	2.42	1.92	.24	.20	.00
Finance, total	.38	.23	.00	.10	.07	.00	.24	.20	.00
Banking	.38	.23	.00	.10	.07	.00	.17	.13	.00
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.07	.06	.00
Insurance	1.15	.66	.00	.00	.00	.00	.00	.00	.00
Real estate	.46	.30	.00	2.10	2.35	1.92	.00	.00	.00
Services, total	66.30	67.92	58.73	24.98	25.75	12.51	23.10	38.02	61.20
Hotels and lodging place	.38	.30	.00	.00	.00	.00	.08	.07	.00
Hotels and motels	.38	.30	.00	.00	.00	.00	.08	.07	.00
Other personal services	.00	.00	.00	.00	.00	.00	1.62	3.53	7.02
Miscellaneous business services	.00	.00	.00	.00	.00	.00	1.62	3.53	7.02
Business management services	4.98	4.59	5.06	10.31	10.45	5.42	.52	.86	2.30
Commercial research, development	1.38	1.15	.93	9.72	9.82	5.12	.27	.56	1.52
Computer programing	2.07	2.46	4.12	.30	.38	.30	.17	.21	.20
Detective and protective serv	.00	.00	.00	.08	.07	.00	.00	.00	.00
Other business services	.00	.00	.00	.00	.00	.00	.00	.00	.57
Other repair services	1.53	.97	.00	.20	.16	.00	.08	.08	.00
Other repair, exc electrical	.46	.30	.00	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.46	.30	.00	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.69	.51	.90	.00	.00	.00	.00	.00	.00
Other entertainment	.38	.20	.00	.07	.05	.00	.00	.00	.00
Medical and other health service	.38	.20	.00	.07	.05	.00	.00	.00	.00
Hospitals	11.97	11.00	14.03	1.13	1.20	.48	2.25	3.77	7.71
Convalescent institutions	8.28	5.82	.00	.84	.58	.00	1.05	.92	.00
Other health services	.00	.00	.00	.00	.00	.00	.07	.07	.00
Educational services	3.68	5.18	14.03	.28	.61	.48	1.12	2.77	7.71
Elementary and secondary school	27.93	29.07	19.36	2.57	2.07	.60	7.60	11.50	13.24
Colleges and universities	.53	.51	.00	.12	.07	.00	.52	.41	.00
Libraries	27.01	27.79	18.82	2.30	1.75	.35	6.05	9.65	10.66
Other educational services	.38	.77	.54	.00	.00	.00	.60	.72	1.32
Museums, art galleries, zoos	.00	.00	.00	.15	.23	.24	.41	.71	1.25
Nonprofit organizations	.00	.00	.00	.00	.00	.00	1.97	3.60	7.87
Religious organizations	10.43	10.59	7.67	3.20	2.61	1.37	4.31	6.45	10.87
Welfare services	3.45	4.20	2.98	.22	.12	.00	2.24	3.60	5.67
Residential welfare services	3.60	2.54	1.58	2.33	1.91	1.16	.75	.75	.80
Nonprofit membership organiztns	.30	.53	.41	.05	.05	.04	.00	.00	.00
Other professional services	3.07	3.31	2.69	.58	.51	.17	1.31	2.10	4.39
Engineering and architectural	9.05	11.31	11.69	7.68	9.35	4.62	4.71	8.22	12.17
Miscellaneous professional serv	.00	.00	.00	6.86	8.45	3.96	.00	.00	.00
Government, total	9.05	11.31	11.69	.82	.90	.65	4.71	8.22	12.17
Federal public administration	27.85	28.30	41.26	70.46	70.18	84.67	75.18	60.75	38.79
Postal services	11.43	8.36	4.29	5.05	2.47	9.62	70.01	51.16	17.36
Federal pub adm, exc post office	.00	.00	.00	.00	.00	.00	.37	.68	1.18
State public administration	11.43	8.36	4.29	5.05	2.47	9.62	69.64	50.47	16.17
Local public administration	9.13	10.59	28.01	7.06	7.68	4.55	3.30	5.98	12.46
	7.29	9.34	8.96	58.34	60.02	70.48	1.87	3.60	8.96

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Teachers			Adult education			College and university		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Construction	.00	.00	.00	.09	.05	.00	.00	.00	.00
General contractors,exc building	.00	.00	.00	.09	.05	.00	.00	.00	.00
Manufacturing	.27	.25	.20	14.38	10.06	7.35	.00	.00	.00
Durable goods	.16	.17	.17	10.06	7.41	6.17	.00	.00	.00
Ordnance	.01	.00	.00	.64	.19	.03	.00	.00	.00
Lumber and wood products	.00	.00	.00	.03	.02	.01	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.02	.02	.01	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.07	.06	.08	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	.21	.16	.11	.00	.00	.00
Glass and glass products	.00	.00	.00	.07	.05	.01	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.02	.03	.07	.00	.00	.00
Structural clay products	.00	.00	.00	.04	.02	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.03	.02	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.03	.03	.01	.00	.00	.00
Primary metal industries	.00	.00	.00	.21	.15	.12	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	.10	.06	.03	.00	.00	.00
Other primary steel	.00	.00	.00	.05	.04	.04	.00	.00	.00
Primary aluminum	.00	.00	.00	.02	.02	.01	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.02	.02	.02	.00	.00	.00
Fabricated metal products	.00	.00	.00	.39	.30	.18	.00	.00	.00
Cutlery and cther hardware	.00	.00	.00	.01	.00	.00	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.18	.12	.04	.00	.00	.00
Screw machine products	.00	.00	.00	.04	.02	.00	.00	.00	.00
Metal stamping	.00	.00	.00	.07	.06	.07	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.09	.07	.06	.00	.00	.00
Machinery except electrical	.04	.06	.08	2.94	2.62	3.01	.00	.00	.00
Engines and turbines	.00	.00	.00	.07	.07	.08	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.06	.04	.03	.00	.00	.00
Construction machines	.00	.00	.00	.20	.20	.22	.00	.00	.00
Metalworking machinery	.00	.00	.00	.13	.14	.22	.00	.00	.00
Office and accounting machines	.01	.00	.00	.60	.29	.09	.00	.00	.00
Electronic computing equipment	.02	.03	.06	1.59	1.59	2.04	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.26	.26	.32	.00	.00	.00
Electrical machinery	.04	.05	.05	2.87	2.23	1.88	.00	.00	.00
Household appliances	.00	.00	.00	.10	.08	.08	.00	.00	.00
Radio, tv communications equip	.02	.02	.02	1.56	1.10	.85	.00	.00	.00
Other electrical machinery	.01	.02	.02	1.20	1.03	.94	.00	.00	.00
Transportation equipment	.03	.02	.01	2.06	1.19	.41	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.52	.39	.12	.00	.00	.00
Aircraft and parts	.01	.01	.00	.91	.48	.11	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.57	.27	.12	.00	.00	.00
Railroad equipment	.00	.00	.00	.02	.02	.00	.00	.00	.00
Mobile dwellings	.00	.00	.00	.02	.02	.04	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.43	.35	.25	.00	.00	.00
Scientific instruments	.00	.00	.00	.13	.10	.06	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.06	.07	.12	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.21	.15	.06	.00	.00	.00
Watches and clock devices	.00	.00	.00	.02	.01	.00	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.18	.11	.02	.00	.00	.00
Nondurable goods	.11	.08	.03	4.31	2.64	1.17	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Teachers			Adult education			College and university		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.23	.15	.10	.00	.00	.00
Meat	.00	.00	.00	.01	.00	.00	.00	.00	.00
Dairy	.00	.00	.00	.03	.01	.01	.00	.00	.00
Canning and preserving	.00	.00	.00	.01	.00	.00	.00	.00	.00
Grain mill	.00	.00	.00	.01	.01	.01	.00	.00	.00
Bakery	.00	.00	.00	.03	.02	.02	.00	.00	.00
Confectionery	.00	.00	.00	.05	.02	.00	.00	.00	.00
Beverages	.00	.00	.00	.05	.03	.02	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.02	.02	.02	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.05	.02	.00	.00	.00	.00
Textile mill products	.02	.02	.00	1.53	.87	.34	.00	.00	.00
Knitting mills	.00	.00	.00	.45	.28	.15	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.11	.05	.00	.00	.00	.00
Floor coverings	.00	.00	.00	.07	.04	.01	.00	.00	.00
Yarn and fabric mills	.01	.01	.00	.87	.47	.16	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and textile products	.05	.03	.01	.90	.56	.18	.00	.00	.00
Apparel and accessories	.05	.03	.01	.86	.53	.16	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.03	.03	.01	.00	.00	.00
Paper and allied products	.00	.00	.00	.20	.12	.03	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.09	.05	.01	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.06	.03	.01	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.05	.03	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	.18	.14	.06	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.03	.02	.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.15	.12	.06	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.56	.40	.28	.00	.00	.00
Industrial chemicals	.00	.00	.00	.09	.08	.09	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.03	.02	.02	.00	.00	.00
Synthetic filters	.00	.00	.00	.22	.15	.09	.00	.00	.00
Drugs and medicines	.00	.00	.00	.05	.04	.01	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.04	.03	.02	.00	.00	.00
Paints and varnishes	.00	.00	.00	.03	.02	.00	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.05	.03	.02	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.08	.05	.01	.00	.00	.00
Petroleum refining	.00	.00	.00	.06	.03	.00	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.20	.13	.10	.00	.00	.00
Rubber	.00	.00	.00	.17	.09	.01	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.02	.04	.08	.00	.00	.00
Leather products	.00	.00	.00	.33	.16	.03	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.32	.16	.03	.00	.00	.00
Transportation, other public util	.10	.06	.04	1.09	.77	.33	.00	.00	.00
Transportation,total	.09	.05	.03	.33	.23	.09	.00	.00	.00
Railroads and railway express	.00	.00	.00	.07	.05	.03	.00	.00	.00
Local and interurban transit	.00	.00	.00	.02	.01	.00	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.02	.01	.00	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.01	.00	.00	.00	.00	.00
Trucking services	.00	.00	.00	.01	.00	.00	.00	.00	.00
Air transportation	.08	.04	.03	.21	.14	.06	.00	.00	.00
Pipelines	.00	.00	.00	.01	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.01	.01	.00	.75	.54	.23	.00	.00	.00
Communications	.01	.01	.00	.55	.35	.07	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.50	.32	.07	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.04	.02	.00	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.20	.19	.15	.00	.00	.00
Electric light and power	.00	.00	.00	.08	.08	.03	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.08	.08	.10	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.03	.02	.01	.00	.00	.00
Wholesale and retail trade	.45	.37	.24	4.44	3.97	2.64	.00	.00	.00
Wholesale trade	.03	.03	.02	1.92	1.51	.56	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Teachers			Adult education			College and university		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.02	.03	.01	1.73	1.35	.39	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.26	.20	.06	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.01	.01	.00	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.01	.01	.02	.00	.00	.00
Food and related products	.00	.00	.00	.04	.02	.00	.00	.00	.00
Electrical goods	.00	.00	.00	.24	.17	.05	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.01	.01	.02	.00	.00	.00
Machinery equipment,supplies	.01	.02	.00	1.13	.91	.22	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	.18	.15	.16	.00	.00	.00
Metals and minerals, other	.00	.00	.00	.02	.02	.01	.00	.00	.00
Petroleum products	.00	.00	.00	.07	.05	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.01	.01	.02	.00	.00	.00
Other wholesale trade	.00	.00	.00	.06	.06	.11	.00	.00	.00
Retail trade	.42	.34	.22	2.52	2.46	2.08	.00	.00	.00
Building materials	.00	.00	.00	.05	.05	.04	.00	.00	.00
Lumber,building material	.00	.00	.00	.05	.05	.04	.00	.00	.00
General merchandise,total	.11	.09	.09	.94	.89	.97	.00	.00	.00
Department stores,mail order	.04	.04	.05	.61	.60	.64	.00	.00	.00
Vending machine operators	.00	.00	.00	.02	.01	.02	.00	.00	.00
Direct selling	.00	.00	.00	.17	.14	.04	.00	.00	.00
Miscellaneous merchadise store	.06	.04	.04	.12	.12	.25	.00	.00	.00
Food and dairy stores	.00	.00	.00	.14	.10	.02	.00	.00	.00
Grocery stores	.00	.00	.00	.10	.06	.00	.00	.00	.00
Food stores,other	.00	.00	.00	.04	.04	.02	.00	.00	.00
Auto dealers,gas stations	.00	.01	.01	.22	.23	.22	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.06	.07	.09	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.03	.04	.03	.00	.00	.00
Gasoline service stations	.00	.00	.00	.11	.10	.07	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.00	.01	.02	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.05	.08	.14	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.05	.08	.14	.00	.00	.00
Furniture and appliance stores	.21	.14	.05	.41	.33	.13	.00	.00	.00
Home furnishings	.00	.00	.00	.06	.04	.04	.00	.00	.00
Household appliances,tv,radio	.21	.14	.05	.35	.29	.08	.00	.00	.00
Eating and drinking places	.00	.00	.00	.05	.05	.00	.00	.00	.00
Miscellaneous retail trade	.07	.08	.05	.62	.70	.51	.00	.00	.00
Drug stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.01	.01	.01	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.02	.01	.01	.00	.00	.00
Misc retail trade stores	.06	.07	.05	.58	.67	.48	.00	.00	.00
Finance,insurance and real estate	.00	.00	.01	.42	.36	.54	.00	.00	.00
Finance,total	.00	.00	.01	.18	.17	.39	.00	.00	.00
Banking	.00	.00	.00	.14	.15	.27	.00	.00	.00
Credit agencies	.00	.00	.00	.03	.01	.12	.00	.00	.00
Insurance	.00	.00	.00	.22	.18	.15	.00	.00	.00
Real estate	.00	.00	.00	.01	.01	.00	.00	.00	.00
Services, total	98.75	98.97	99.28	70.77	78.00	84.90	99.97	99.97	99.98

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Teachers			Adult education			College and university		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.06	.04	.06	.00	.00	.00	.00	.00	.00
Other lodging places	.05	.03	.06	.00	.00	.00	.00	.00	.00
Other personal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.00	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.03	.04	.05	1.28	1.40	1.52	.00	.00	.00
Advertising	.00	.00	.00	.01	.01	.00	.00	.00	.00
Business management services	.00	.00	.00	.15	.17	.20	.00	.00	.00
Commercial research,development	.00	.00	.00	.03	.05	.15	.00	.00	.00
Computer programing	.02	.02	.02	.90	.90	.78	.00	.00	.00
Detective and protective serv	.00	.00	.00	.01	.02	.04	.00	.00	.00
Other business services	.01	.01	.01	.15	.23	.34	.00	.00	.00
Automobile services	.14	.11	.09	.05	.09	.13	.00	.00	.00
Automobile repair	.00	.00	.00	.03	.07	.11	.00	.00	.00
Automobile services,exc repair	.14	.11	.09	.02	.02	.02	.00	.00	.00
Other repair services	.00	.00	.00	.15	.18	.26	.00	.00	.00
Electrical repair	.00	.00	.00	.09	.07	.13	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.06	.10	.12	.00	.00	.00
Motion pictures and theaters	.03	.01	.00	.06	.05	.06	.00	.00	.00
Miscellaneous entertainment	.66	.57	.32	.45	.62	.26	.00	.00	.00
Other entertainment	.66	.57	.32	.45	.62	.26	.00	.00	.00
Medical and other health service	.56	.51	.54	2.05	2.96	3.65	.00	.00	.00
Hospitals	.47	.37	.32	.94	.90	.94	.00	.00	.00
Convalescent institutions	.03	.05	.13	.34	.48	1.16	.00	.00	.00
Other health practitioners	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other health services	.05	.09	.08	.75	1.56	1.53	.00	.00	.00
Educational services	96.22	96.63	97.08	62.07	68.12	74.57	99.97	99.97	99.98
Elementary and secondary school	78.91	75.69	76.40	15.55	17.87	14.81	.00	.00	.00
Colleges and universities	13.41	15.97	14.21	6.21	6.74	7.16	99.97	99.97	99.98
Libraries	.00	.00	.00	.01	.01	.04	.00	.00	.00
Other educational services	3.88	4.96	6.46	40.30	43.49	52.55	.00	.00	.00
Museums,art galleries,zoos	.02	.02	.03	.06	.09	.12	.00	.00	.00
Nonprofit organizations	.61	.66	.89	3.16	2.93	3.20	.00	.00	.00
Religious organizations	.31	.40	.57	.66	.70	.53	.00	.00	.00
Welfare services	.14	.12	.17	1.63	1.46	1.79	.00	.00	.00
Residential welfare services	.01	.02	.06	.15	.22	.68	.00	.00	.00
Nonprofit membership organiztns	.14	.11	.07	.70	.54	.19	.00	.00	.00
Private households	.26	.21	.09	.80	.83	.60	.00	.00	.00
Other professional services	.08	.09	.06	.58	.69	.50	.00	.00	.00
Engineering and architectural	.00	.00	.00	.04	.05	.08	.00	.00	.00
Accounting and auditing	.00	.00	.00	.21	.24	.15	.00	.00	.00
Miscellaneous professional serv	.08	.09	.05	.32	.39	.26	.00	.00	.00
Government,total	.39	.32	.20	8.78	6.75	4.22	.02	.02	.01
Federal public administration	.19	.15	.12	5.76	4.23	3.39	.02	.02	.01
Postal services	.00	.00	.00	.12	.12	.08	.00	.00	.00
Federal pub adm,exc post office	.19	.15	.12	5.64	4.10	3.30	.02	.02	.01
State public administration	.12	.10	.05	2.50	2.08	.64	.00	.00	.00
Local public administration	.07	.05	.02	.51	.43	.17	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Elementary school teachers			Preschool, kindergartn teachers			Secondary school teachers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	.00	.00	.00	.01	.02	.09	.00	.00	.00
Durable goods	.00	.00	.00	.00	.01	.09	.00	.00	.00
Machinery except electrical	.00	.00	.00	.00	.01	.09	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.00	.01	.09	.00	.00	.00
Transportation, other public util	.00	.00	.00	.05	.03	.03	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.05	.03	.03	.00	.00	.00
Communications	.00	.00	.00	.05	.03	.03	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.05	.03	.03	.00	.00	.00
Wholesale and retail trade	.00	.00	.00	.03	.04	.08	.00	.00	.00
Wholesale trade	.00	.00	.00	.01	.02	.08	.00	.00	.00
Wholesale,exc misc whlsle trade	.00	.00	.00	.01	.02	.08	.00	.00	.00
Electrical goods	.00	.00	.00	.01	.02	.08	.00	.00	.00
Retail trade	.00	.00	.00	.02	.02	.00	.00	.00	.00
Eating and drinking places	.00	.00	.00	.02	.02	.00	.00	.00	.00
Services, total	100.00	100.00	100.00	99.63	99.63	99.29	100.00	100.00	100.00
Hotels and lodging place	.00	.00	.00	.67	.37	.55	.00	.00	.00
Other lodging places	.00	.00	.00	.67	.37	.55	.00	.00	.00
Miscellaneous business services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Commercial research,development	.00	.00	.00	.00	.00	.01	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.10	.08	.03	.00	.00	.00
Bowling alleys,billards	.00	.00	.00	.02	.01	.00	.00	.00	.00
Other entertainment	.00	.00	.00	.08	.06	.03	.00	.00	.00
Medical and other health service	.00	.00	.00	.19	.30	1.14	.00	.00	.00
Hospitals	.00	.00	.00	.12	.18	.86	.00	.00	.00
Convalescent institutions	.00	.00	.00	.04	.05	.21	.00	.00	.00
Other health services	.00	.00	.00	.03	.06	.05	.00	.00	.00
Educational services	100.00	100.00	100.00	93.04	92.88	89.86	100.00	100.00	100.00
Elementary and secondary school	100.00	100.00	100.00	92.29	92.09	88.92	100.00	100.00	100.00
Colleges and universities	.00	.00	.00	.39	.34	.36	.00	.00	.00
Other educational services	.00	.00	.00	.35	.44	.57	.00	.00	.00
Nonprofit organizations	.00	.00	.00	4.96	5.40	7.29	.00	.00	.00
Religious organizations	.00	.00	.00	4.02	4.63	6.24	.00	.00	.00
Welfare services	.00	.00	.00	.57	.45	.58	.00	.00	.00
Residential welfare services	.00	.00	.00	.03	.05	.27	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.32	.26	.18	.00	.00	.00
Private househclds	.00	.00	.00	.61	.53	.23	.00	.00	.00
Other professional services	.00	.00	.00	.02	.04	.15	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.02	.04	.15	.00	.00	.00
Government,total	.00	.00	.00	.25	.26	.50	.00	.00	.00
Federal public administration	.00	.00	.00	.10	.08	.14	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	.10	.08	.14	.00	.00	.00
State public administration	.00	.00	.00	.03	.05	.16	.00	.00	.00
Local public administration	.00	.00	.00	.11	.12	.19	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other teachers			Writers, artists, entertainers			Actors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.01	.00	.00	1.51	1.48	1.36	.00	.00	.00
Agriculture	.01	.00	.00	1.48	1.45	1.33	.00	.00	.00
Agricultural production	.01	.00	.00	.31	.48	.79	.00	.00	.00
Services, except horticulture	.00	.00	.00	1.14	.94	.51	.00	.00	.00
Horticultural services	.00	.00	.00	.03	.02	.02	.00	.00	.00
Forestry	.00	.00	.00	.02	.03	.03	.00	.00	.00
Mining	.00	.00	.00	.08	.10	.07	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.06	.08	.06	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.01	.01	.00	.00	.00	.00
Construction	.00	.00	.00	1.03	1.02	1.11	.00	.00	.00
General building contractors	.00	.00	.00	.17	.18	.17	.00	.00	.00
General contractors, exc building	.00	.00	.00	.56	.49	.55	.00	.00	.00
Special trade contractors	.00	.00	.00	.29	.34	.37	.00	.00	.00
Manufacturing	.69	.34	.09	28.92	23.57	22.13	.15	.12	.00
Durable goods	.00	.00	.00	9.83	7.89	6.55	.00	.00	.00
Ordnance	.00	.00	.00	.54	.22	.12	.00	.00	.00
Lumber and wood products	.00	.00	.00	.08	.07	.08	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.04	.04	.05	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.03	.02	.02	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.25	.24	.29	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	.48	.40	.27	.00	.00	.00
Glass and glass products	.00	.00	.00	.19	.15	.10	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.06	.05	.04	.00	.00	.00
Structural clay products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.09	.08	.07	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.10	.08	.04	.00	.00	.00
Primary metal industries	.00	.00	.00	.22	.17	.14	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	.07	.05	.03	.00	.00	.00
Other primary steel	.00	.00	.00	.06	.04	.04	.00	.00	.00
Primary aluminum	.00	.00	.00	.04	.04	.03	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.04	.03	.02	.00	.00	.00
Fabricated metal products	.00	.00	.00	.43	.38	.36	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.05	.05	.07	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.11	.11	.12	.00	.00	.00
Screw machine products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Metal stamping	.00	.00	.00	.05	.04	.03	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.18	.15	.12	.00	.00	.00
Machinery except electrical	.00	.00	.00	1.91	1.66	1.40	.00	.00	.00
Engines and turbines	.00	.00	.00	.11	.09	.05	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.08	.07	.07	.00	.00	.00
Construction machines	.00	.00	.00	.22	.21	.17	.00	.00	.00
Metalworking machinery	.00	.00	.00	.20	.17	.15	.00	.00	.00
Office and accounting machines	.00	.00	.00	.14	.08	.04	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.59	.55	.53	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	.54	.46	.37	.00	.00	.00
Electrical machinery	.00	.00	.00	2.60	1.97	1.57	.00	.00	.00
Household appliances	.00	.00	.00	.12	.08	.05	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	1.31	.94	.86	.00	.00	.00
Other electrical machinery	.00	.00	.00	1.16	.94	.65	.00	.00	.00
Transportation equipment	.00	.00	.00	2.01	1.64	1.30	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.53	.51	.44	.00	.00	.00
Aircraft and parts	.00	.00	.00	1.10	.73	.44	.00	.00	.00
Ship, boat building and repair	.00	.00	.00	.29	.29	.30	.00	.00	.00
Railroad equipment	.00	.00	.00	.03	.03	.02	.00	.00	.00
Mobile dwellings	.00	.00	.00	.02	.02	.05	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.02	.03	.03	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	.56	.50	.45	.00	.00	.00
Scientific instruments	.00	.00	.00	.24	.19	.10	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.12	.13	.10	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.18	.17	.23	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.72	.61	.54	.00	.00	.00
Nondurable goods	.69	.34	.09	19.09	15.67	15.58	.15	.12	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other teachers			Writers, artists, entertainers			Actors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.38	.31	.27	.00	.00	.00
Meat	.00	.00	.00	.03	.03	.03	.00	.00	.00
Dairy	.00	.00	.00	.05	.03	.02	.00	.00	.00
Canning and preserving	.00	.00	.00	.04	.03	.02	.00	.00	.00
Grain mill	.00	.00	.00	.03	.02	.02	.00	.00	.00
Bakery	.00	.00	.00	.02	.01	.01	.00	.00	.00
Confectionery	.00	.00	.00	.01	.01	.01	.00	.00	.00
Beverages	.00	.00	.00	.14	.12	.10	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.05	.04	.04	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.02	.01	.01	.00	.00	.00
Textile mill products	.00	.00	.00	.36	.27	.26	.00	.00	.00
Knitting mills	.00	.00	.00	.06	.05	.07	.00	.00	.00
Dyeing, finishing textiles	.00	.00	.00	.03	.03	.02	.00	.00	.00
Floor coverings	.00	.00	.00	.03	.02	.02	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.20	.15	.12	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.02	.01	.01	.00	.00	.00
Apparel and textile products	.68	.34	.09	1.61	1.23	.89	.00	.00	.00
Apparel and accessories	.68	.34	.09	1.46	1.12	.82	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.14	.11	.07	.00	.00	.00
Paper and allied products	.00	.00	.00	.45	.36	.34	.00	.00	.00
Pulp, paper paperboard mills	.00	.00	.00	.10	.07	.06	.00	.00	.00
Paperboard containers, boxes	.00	.00	.00	.20	.14	.14	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.15	.13	.13	.00	.00	.00
Printing and publishing	.00	.00	.00	15.15	12.54	13.01	.15	.12	.00
Newspaper publishing, printing	.00	.00	.00	8.36	6.91	7.29	.00	.00	.00
Other printing, exc newspapers	.00	.00	.00	6.78	5.63	5.72	.15	.12	.00
Chemicals and allied products	.00	.00	.00	.58	.50	.49	.00	.00	.00
Industrial chemicals	.00	.00	.00	.14	.11	.10	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.05	.03	.02	.00	.00	.00
Synthetic fibers	.00	.00	.00	.01	.00	.01	.00	.00	.00
Drugs and medicines	.00	.00	.00	.18	.18	.19	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.11	.10	.10	.00	.00	.00
Paints and varnishes	.00	.00	.00	.02	.01	.01	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.03	.02	.02	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.10	.08	.05	.00	.00	.00
Petroleum refining	.00	.00	.00	.09	.07	.04	.00	.00	.00
Misc petroleum, coal products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.24	.23	.15	.00	.00	.00
Rubber	.00	.00	.00	.11	.08	.07	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.13	.14	.08	.00	.00	.00
Leather products	.00	.00	.00	.14	.09	.06	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.07	.04	.02	.00	.00	.00
All other leather	.00	.00	.00	.07	.05	.03	.00	.00	.00
Transportation, other public util	1.37	.72	.43	6.45	5.85	6.52	6.63	6.66	7.32
Transportation, total	1.37	.72	.43	.57	.51	.48	.00	.00	.00
Railroads and railway express	.05	.01	.00	.06	.04	.02	.00	.00	.00
Local and interurban transit	.00	.00	.00	.02	.02	.03	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.02	.02	.03	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.07	.08	.06	.00	.00	.00
Trucking services	.00	.00	.00	.07	.07	.06	.00	.00	.00
Water transportation	.00	.00	.00	.10	.07	.05	.00	.00	.00
Air transportation	1.32	.70	.43	.20	.19	.19	.00	.00	.00
Transportation services	.00	.00	.00	.08	.09	.10	.00	.00	.00
Communicatns, utils, sanitary serv	.00	.00	.00	5.88	5.34	6.03	6.63	6.66	7.32
Communications	.00	.00	.00	5.23	4.77	5.55	6.63	6.66	7.32
Telephone (wire and radio)	.00	.00	.00	.51	.50	.72	.00	.00	.00
Telegraph, misc communicatn serv	.00	.00	.00	.03	.03	.02	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	4.69	4.23	4.81	6.63	6.66	7.32
Utilities and sanitary services	.00	.00	.00	.64	.56	.47	.00	.00	.00
Electric light and power	.00	.00	.00	.27	.26	.19	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.21	.16	.14	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.11	.09	.08	.00	.00	.00
Water supply	.00	.00	.00	.03	.03	.04	.00	.00	.00
Sanitary services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Wholesale and retail trade	6.19	4.51	2.57	8.18	9.64	9.91	1.28	4.32	5.71
Wholesale trade	.00	.00	.00	2.13	1.93	1.51	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other teachers			Writers, artists, entertainers			Actors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	1.25	1.16	.87	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.08	.08	.06	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	.14	.12	.09	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.26	.21	.17	.00	.00	.00
Food and related products	.00	.00	.00	.10	.09	.06	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.02	.03	.01	.00	.00	.00
Electrical goods	.00	.00	.00	.20	.17	.12	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.04	.04	.03	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	.37	.39	.31	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	.88	.77	.64	.00	.00	.00
Metals and minerals, other	.00	.00	.00	.03	.02	.00	.00	.00	.00
Petroleum products	.00	.00	.00	.05	.04	.03	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.05	.05	.03	.00	.00	.00
Paper and paper products	.00	.00	.00	.11	.09	.07	.00	.00	.00
Lumber, construction materials	.00	.00	.00	.03	.02	.02	.00	.00	.00
Other wholesale trade	.00	.00	.00	.59	.53	.45	.00	.00	.00
<b>Retail trade</b>	<b>6.19</b>	<b>4.51</b>	<b>2.57</b>	<b>6.05</b>	<b>7.71</b>	<b>8.40</b>	<b>1.28</b>	<b>4.32</b>	<b>5.71</b>
Building materials	.00	.00	.00	.07	.07	.05	.00	.00	.00
Lumber, building material	.00	.00	.00	.06	.05	.03	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.00	.01	.02	.00	.00	.00
General merchandise, total	1.62	1.14	1.10	1.42	1.49	1.91	.00	.00	.00
Department stores, mail order	.59	.51	.58	1.27	1.36	1.73	.00	.00	.00
Limited price stores	.00	.00	.00	.02	.02	.03	.00	.00	.00
Vending machine operators	.00	.00	.00	.01	.01	.02	.00	.00	.00
Direct selling	.00	.00	.00	.04	.03	.03	.00	.00	.00
Miscellaneous merchadise store	1.03	.63	.52	.07	.06	.08	.00	.00	.00
Food and dairy stores	.00	.00	.00	.11	.12	.12	.00	.00	.00
Grocery stores	.00	.00	.00	.10	.11	.12	.00	.00	.00
Auto dealers, gas stations	.09	.09	.07	.09	.10	.10	.00	.00	.00
Motor vehicle dealers	.01	.01	.01	.04	.04	.03	.00	.00	.00
Tire, battery, accessory dealers	.00	.00	.00	.01	.02	.02	.00	.00	.00
Gasoline service stations	.00	.00	.00	.01	.02	.02	.00	.00	.00
Miscellaneous vehicle dealers	.07	.07	.06	.00	.01	.01	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.31	.30	.28	.00	.00	.00
Apparel, accessory, except shoes	.00	.00	.00	.29	.29	.25	.00	.00	.00
Shoe stores	.00	.00	.00	.01	.01	.02	.00	.00	.00
Furniture and appliance stores	3.43	2.21	.73	.66	.61	.61	.00	.00	.00
Home furnishings	.00	.00	.00	.55	.51	.52	.00	.00	.00
Household appliances, tv, radio	3.43	2.21	.73	.10	.10	.08	.00	.00	.00
Eating and drinking places	.07	.05	.00	2.52	3.92	4.15	1.28	4.32	5.71
Miscellaneous retail trade	.96	1.01	.65	.85	1.05	1.14	.00	.00	.00
Drug stores	.00	.00	.00	.08	.07	.06	.00	.00	.00
Farm, garden supply stores	.00	.00	.00	.01	.02	.03	.00	.00	.00
Jewelry stores	.00	.00	.00	.05	.05	.04	.00	.00	.00
Retail florists	.00	.00	.00	.03	.03	.01	.00	.00	.00
Misc retail trade stores	.96	1.01	.65	.64	.85	.96	.00	.00	.00
<b>Finance, insurance and real estate</b>	<b>.02</b>	<b>.01</b>	<b>.00</b>	<b>1.32</b>	<b>1.25</b>	<b>1.33</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Finance, total	.00	.00	.00	.59	.57	.62	.00	.00	.00
Banking	.00	.00	.00	.37	.36	.40	.00	.00	.00
Credit agencies	.00	.00	.00	.13	.14	.15	.00	.00	.00
Stock brokers, investment cos	.00	.00	.00	.08	.07	.07	.00	.00	.00
Insurance	.02	.01	.00	.44	.37	.37	.00	.00	.00
Real estate	.00	.00	.00	.28	.30	.33	.00	.00	.00
<b>Services, total</b>	<b>87.90</b>	<b>92.03</b>	<b>96.04</b>	<b>48.79</b>	<b>53.58</b>	<b>51.92</b>	<b>91.93</b>	<b>88.88</b>	<b>86.95</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other teachers			Writers, artists, entertainers			Actors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.48	.29	.30	.73	.84	1.11	.00	.00	.00
Hotels and motels	.11	.09	.06	.71	.82	1.09	.00	.00	.00
Other lodging places	.37	.19	.24	.02	.01	.02	.00	.00	.00
Other personal services	.21	.20	.11	4.57	5.38	4.59	.06	.09	.00
Laundering and cleaning	.00	.00	.00	.02	.01	.01	.00	.00	.00
Beauty shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Dressmaking shops	.07	.05	.06	.00	.00	.00	.00	.00	.00
Misc personal services	.13	.15	.04	4.53	5.35	4.57	.06	.09	.00
Miscellaneous business services	.28	.23	.16	7.67	7.58	7.90	2.43	2.61	1.63
Advertising	.00	.00	.00	2.81	2.35	2.04	2.01	1.94	1.02
Business management services	.00	.00	.00	2.59	2.60	3.22	.00	.00	.00
Commercial research,development	.00	.00	.00	.27	.31	.41	.00	.00	.00
Computer programing	.13	.11	.07	.14	.15	.17	.00	.00	.00
Detective and protective serv	.00	.00	.00	.02	.04	.06	.00	.00	.00
Employment,temporary help	.00	.00	.00	.08	.13	.18	.00	.00	.00
Services to buildings	.00	.00	.00	.01	.02	.03	.00	.00	.00
Other business services	.14	.11	.08	1.70	1.94	1.76	.42	.67	.60
Automobile services	2.36	1.73	1.41	.04	.05	.04	.00	.00	.00
Automobile repair	.00	.00	.00	.01	.01	.00	.00	.00	.00
Automobile services,exc repair	2.36	1.73	1.41	.03	.03	.04	.00	.00	.00
Other repair services	.00	.00	.00	.06	.08	.07	.00	.00	.00
Electrical repair	.00	.00	.00	.01	.01	.01	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.04	.07	.06	.00	.00	.00
Motion pictures and theaters	.60	.27	.10	8.25	5.25	6.82	76.91	68.88	75.91
Miscellaneous entertainment	10.59	8.78	4.79	5.12	7.40	6.38	1.95	3.54	1.33
Bowling alleys,billardis	.00	.00	.00	.22	.23	.14	.00	.00	.00
Other entertainment	10.59	8.78	4.79	4.89	7.17	6.24	1.95	3.54	1.33
Medical and other health service	8.47	6.83	5.44	.81	.99	1.32	3.49	4.04	.00
Offices of physicians	.01	.00	.00	.02	.00	.00	.00	.00	.00
Hospitals	7.37	5.40	3.53	.54	.56	.77	2.52	2.60	.00
Convalescent institutions	.46	.56	1.28	.04	.07	.26	.21	.26	.00
Other health practitioners	.03	.01	.04	.01	.00	.00	.00	.00	.00
Other health services	.58	.84	.57	.18	.34	.28	.75	1.17	.00
Legal services	.00	.00	.00	.01	.02	.02	.00	.00	.00
Educational services	54.83	65.46	78.10	3.80	3.90	3.97	5.81	7.67	6.07
Elementary and secondary school	2.78	2.74	1.84	.56	.77	.78	.00	.00	.00
Colleges and universities	.00	.00	.00	2.75	2.53	2.32	5.37	6.92	5.05
Libraries	.02	.01	.02	.04	.06	.09	.00	.00	.00
Other educational services	52.02	62.70	76.24	.44	.52	.76	.43	.74	1.02
Museums,art galleries,zoos	.42	.38	.53	.27	.37	.63	.06	.11	.07
Nonprofit organizations	4.89	3.93	3.52	6.86	7.14	7.36	.36	.63	.80
Religious organizations	1.48	1.37	1.07	4.40	4.81	5.21	.00	.00	.00
Welfare services	1.42	1.01	1.21	.41	.35	.39	.00	.00	.00
Residential welfare services	.17	.18	.34	.01	.02	.06	.00	.00	.00
Nonprofit membership organiztns	1.80	1.36	.89	2.03	1.96	1.69	.36	.63	.80
Private households	3.51	2.63	.94	.09	.10	.04	.00	.00	.00
Other professional services	1.22	1.23	.60	10.45	14.42	11.61	.82	1.26	1.11
Engineering and architectural	.00	.00	.00	1.90	2.37	1.89	.00	.00	.00
Accounting and auditing	.00	.00	.00	.08	.09	.07	.00	.00	.00
Miscellaneous professional serv	1.22	1.23	.60	8.45	11.94	9.64	.82	1.26	1.11
Government,total	3.79	2.35	.84	3.68	3.47	5.62	.00	.00	.00
Federal public administration	1.54	.83	.35	2.46	2.06	3.23	.00	.00	.00
Postal services	.07	.05	.01	.02	.02	.02	.00	.00	.00
Federal pub adm,exc post office	1.47	.78	.34	2.43	2.04	3.20	.00	.00	.00
State public administration	1.26	.90	.33	.57	.67	.80	.00	.00	.00
Local public administration	.98	.61	.14	.65	.73	1.58	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Athletes and kindred workers			Authors			Dancers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	17.61	13.55	12.09	.00	.00	.00	.00	.00	.00
Agriculture	17.61	13.55	12.09	.00	.00	.00	.00	.00	.00
Agricultural production	3.72	4.65	7.94	.00	.00	.00	.00	.00	.00
Services,except horticulture	13.89	8.90	4.15	.00	.00	.00	.00	.00	.00
Construction	.04	.02	.00	.00	.00	.00	.00	.00	.00
General contractors,exc building	.04	.02	.00	.00	.00	.00	.00	.00	.00
Manufacturing	.10	.05	.01	30.21	20.45	18.24	.00	.00	.00
Durable goods	.05	.02	.00	21.72	13.68	10.26	.00	.00	.00
Ordnance	.00	.00	.00	1.51	.47	.15	.00	.00	.00
Machinery except electrical	.00	.00	.00	5.52	3.98	2.46	.00	.00	.00
Engines and turbines	.00	.00	.00	.32	.23	.08	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.13	.16	.38	.00	.00	.00
Construction machines	.00	.00	.00	.63	.47	.26	.00	.00	.00
Metalworking machinery	.00	.00	.00	.30	.23	.19	.00	.00	.00
Office and accounting machines	.00	.00	.00	.30	.15	.09	.00	.00	.00
Electronic computing equipment	.00	.00	.00	2.88	2.14	1.24	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.93	.58	.20	.00	.00	.00
Electrical machinery	.00	.00	.00	7.10	3.93	2.65	.00	.00	.00
Household appliances	.00	.00	.00	.04	.01	.00	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	4.32	2.26	2.14	.00	.00	.00
Other electrical machinery	.00	.00	.00	2.73	1.65	.51	.00	.00	.00
Transportation equipment	.05	.02	.00	7.58	5.28	4.98	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.89	.80	.92	.00	.00	.00
Aircraft and parts	.00	.00	.00	5.88	3.56	2.43	.00	.00	.00
Ship,boat building and repair	.05	.02	.00	.73	.87	1.61	.00	.00	.00
Railroad equipment	.00	.00	.00	.06	.04	.01	.00	.00	.00
Nondurable goods	.04	.02	.01	8.48	6.77	7.98	.00	.00	.00
Food and kindred products	.04	.02	.01	.00	.00	.00	.00	.00	.00
Beverages	.04	.02	.01	.00	.00	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	7.76	6.31	7.48	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.79	.49	.23	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	6.97	5.82	7.25	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.59	.36	.40	.00	.00	.00
Industrial chemicals	.00	.00	.00	.31	.21	.31	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.10	.04	.00	.00	.00	.00
Drugs and medicines	.00	.00	.00	.15	.09	.09	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.01	.00	.00	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.06	.03	.00	.00	.00	.00
Petroleum refining	.00	.00	.00	.06	.03	.00	.00	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.06	.05	.09	.00	.00	.00
Rubber	.00	.00	.00	.06	.05	.09	.00	.00	.00
Transportation, other public util	.70	.41	.21	3.56	2.77	4.32	.51	.31	.40
Transportation, total	.68	.40	.21	.60	.41	.21	.00	.00	.00
Water transportation	.62	.37	.21	.00	.00	.00	.00	.00	.00
Air transportation	.00	.00	.00	.60	.41	.21	.00	.00	.00
Transportation services	.05	.02	.00	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.02	.00	.00	2.95	2.35	4.10	.51	.31	.40
Communications	.02	.00	.00	2.92	2.30	4.10	.51	.31	.40
Telephone(wire and radio)	.00	.00	.00	.60	.62	1.44	.00	.00	.00
Radio and tv broadcasting	.02	.00	.00	2.31	1.68	2.65	.51	.31	.40
Utilities and sanitary services	.00	.00	.00	.03	.05	.00	.00	.00	.00
Electric light and power	.00	.00	.00	.03	.05	.00	.00	.00	.00
Wholesale and retail trade	3.90	3.16	3.64	.21	.31	.69	48.62	66.38	64.81
Wholesale trade	.95	.66	.59	.06	.06	.15	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Athletes and kindred workers			Authors			Dancers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.64	.43	.32	.06	.06	.15	.00	.00	.00
Motor vehicles and equipment	.19	.12	.06	.06	.06	.15	.00	.00	.00
Drugs, chemicals, allied product	.11	.08	.09	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.33	.23	.16	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.30	.22	.27	.00	.00	.00	.00	.00	.00
Other wholesale trade	.30	.22	.27	.00	.00	.00	.00	.00	.00
Retail trade	2.94	2.50	3.04	.15	.24	.54	48.62	66.38	64.81
Building materials	.17	.13	.10	.00	.00	.00	.00	.00	.00
Lumber, building material	.17	.13	.10	.00	.00	.00	.00	.00	.00
General merchandise, total	1.24	1.07	1.66	.00	.00	.00	.00	.00	.00
Department stores, mail order	1.24	1.07	1.66	.00	.00	.00	.00	.00	.00
Eating and drinking places	.14	.11	.00	.00	.00	.00	48.62	66.38	64.81
Miscellaneous retail trade	1.38	1.18	1.28	.15	.24	.54	.00	.00	.00
Drug stores	.47	.22	.05	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.90	.96	1.22	.15	.24	.54	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.08	.06	.11	.00	.00	.00
Finance, total	.00	.00	.00	.08	.06	.11	.00	.00	.00
Stock brokers, investment cos	.00	.00	.00	.08	.06	.11	.00	.00	.00
Services, total	75.32	80.85	78.10	59.40	70.08	62.28	50.77	33.25	34.77
Hotels and lodging place	.18	.14	.25	.00	.00	.00	3.16	3.80	6.91
Hotels and motels	.18	.14	.25	.00	.00	.00	3.16	3.80	6.91
Other personal services	2.68	3.61	3.24	.14	.39	1.51	.00	.00	.00
Beauty shops	.02	.02	.00	.00	.00	.00	.00	.00	.00
Misc personal services	2.66	3.59	3.24	.14	.39	1.51	.00	.00	.00
Miscellaneous business services	1.09	1.00	1.01	4.16	3.69	2.98	.00	.00	.00
Advertising	.03	.01	.01	.86	.62	.68	.00	.00	.00
Business management services	.00	.00	.00	1.18	1.05	.79	.00	.00	.00
Commercial research, development	.00	.00	.00	1.10	.93	.58	.00	.00	.00
Detective and protective serv	.00	.00	.00	.01	.00	.00	.00	.00	.00
Employment, temporary help	.02	.04	.16	.26	.33	.40	.00	.00	.00
Other business services	1.03	.94	.84	.72	.74	.51	.00	.00	.00
Motion pictures and theaters	.28	.13	.18	2.13	1.38	2.44	37.82	18.38	20.33
Miscellaneous entertainment	52.98	61.05	57.71	.13	.30	.93	8.68	10.18	7.51
Bowling alleys, billiards	2.40	2.00	1.38	.00	.00	.00	.18	.11	.00
Other entertainment	50.58	59.05	56.32	.13	.30	.93	8.49	10.07	7.51
Medical and other health service	.93	.87	1.29	.00	.00	.00	.08	.06	.00
Hospitals	.44	.26	.00	.00	.00	.00	.00	.00	.00
Convalescent institutions	.29	.35	1.29	.00	.00	.00	.08	.06	.00
Other health services	.18	.25	.00	.00	.00	.00	.00	.00	.00
Educational services	3.97	3.94	4.40	2.18	1.47	.79	.21	.15	.00
Elementary and secondary school	2.99	3.01	3.10	.00	.00	.00	.00	.00	.00
Colleges and universities	.00	.00	.00	1.96	1.26	.44	.00	.00	.00
Other educational services	.98	.92	1.29	.21	.21	.34	.21	.15	.00
Museums, art galleries, zoos	.05	.05	.12	.08	.06	.15	.00	.00	.00
Nonprofit organizations	12.45	9.37	9.40	1.40	1.58	3.40	.23	.16	.00
Religious organizations	.28	.26	.32	.34	.23	.00	.00	.00	.00
Welfare services	1.06	.70	1.13	.01	.00	.00	.00	.00	.00
Residential welfare services	.12	.16	.66	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	10.97	8.23	7.28	1.04	1.34	3.40	.23	.16	.00
Private households	.37	.39	.09	.01	.00	.00	.00	.00	.00
Other professional services	.29	.27	.37	49.15	61.17	50.06	.56	.50	.00
Engineering and architectural	.00	.00	.00	1.45	1.78	2.02	.48	.43	.00
Accounting and auditing	.00	.00	.00	.23	.24	.18	.00	.00	.00
Miscellaneous professional serv	.29	.27	.37	47.46	59.15	47.86	.08	.06	.00
Government, total	2.30	1.93	5.92	6.51	6.32	14.34	.08	.05	.00
Federal public administration	.00	.00	.00	6.51	6.32	14.34	.00	.00	.00
Federal pub adm, exc post office	.00	.00	.00	6.51	6.32	14.34	.00	.00	.00
State public administration	.44	.39	.45	.00	.00	.00	.00	.00	.00
Local public administration	1.85	1.54	5.47	.00	.00	.00	.08	.05	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Designers			Editors and reporters			Musicians and composers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.23	.23	.16	.05	.09	.12	.00	.00	.00
Agriculture	.19	.18	.14	.00	.00	.00	.00	.00	.00
Horticultural services	.19	.18	.14	.00	.00	.00	.00	.00	.00
Forestry	.03	.05	.01	.05	.09	.12	.00	.00	.00
Mining	.09	.12	.09	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.07	.11	.09	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.01	.01	.00	.00	.00	.00	.00	.00	.00
Construction	5.00	5.34	6.00	.00	.00	.00	.00	.00	.00
General building contractors	.87	.99	1.02	.00	.00	.00	.00	.00	.00
General contractors,exc building	2.54	2.46	2.95	.00	.00	.00	.00	.00	.00
Special trade contractors	1.58	1.89	2.03	.00	.00	.00	.00	.00	.00
Manufacturing	49.78	44.52	40.19	62.48	61.05	61.27	.44	.28	.22
Durable goods	30.45	27.90	25.37	4.07	3.45	2.79	.15	.13	.14
Ordnance	.90	.40	.32	.29	.13	.09	.00	.00	.00
Lumber and wood products	.29	.28	.28	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.16	.16	.17	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.12	.11	.11	.00	.00	.00	.00	.00	.00
Furniture and fixtures	1.42	1.48	2.01	.03	.03	.04	.00	.00	.00
Stone,clay,and glass products	1.19	1.17	1.21	.04	.04	.05	.00	.00	.00
Glass and glass products	.38	.37	.42	.02	.02	.01	.00	.00	.00
Cement,concrete,plaster	.16	.16	.15	.02	.02	.03	.00	.00	.00
Structural clay products	.09	.07	.03	.00	.00	.00	.00	.00	.00
Pottery and related products	.33	.35	.41	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.21	.20	.19	.00	.00	.00	.00	.00	.00
Primary metal industries	.63	.53	.44	.08	.07	.08	.00	.00	.00
Blast furnaces,steel works	.16	.11	.08	.04	.03	.04	.00	.00	.00
Other primary steel	.17	.15	.16	.02	.02	.01	.00	.00	.00
Primary aluminum	.14	.13	.09	.01	.01	.00	.00	.00	.00
Other primary nonferrous	.15	.12	.09	.01	.01	.01	.00	.00	.00
Fabricated metal products	1.76	1.63	1.42	.10	.10	.09	.00	.00	.00
Cutlery and other hardware	.24	.27	.35	.02	.03	.05	.00	.00	.00
Fabricated structural metal	.51	.51	.53	.00	.00	.00	.00	.00	.00
Screw machine products	.09	.07	.02	.00	.00	.00	.00	.00	.00
Metal stamping	.28	.24	.19	.02	.02	.01	.00	.00	.00
Miscellaneous fabricated metal	.61	.52	.31	.05	.04	.02	.00	.00	.00
Machinery except electrical	6.99	6.57	5.45	.83	.75	.57	.00	.00	.00
Engines and turbines	.38	.36	.23	.03	.02	.00	.00	.00	.00
Farm machinery and equipment	.28	.26	.19	.06	.05	.10	.00	.00	.00
Construction machines	.83	.84	.69	.10	.11	.10	.00	.00	.00
Metalworking machinery	.91	.83	.67	.03	.03	.01	.00	.00	.00
Office and accounting machines	.43	.25	.11	.08	.06	.06	.00	.00	.00
Electronic computing equipment	1.94	1.94	1.77	.32	.31	.21	.00	.00	.00
Other machinery,exc electrical	2.20	2.06	1.76	.17	.15	.07	.00	.00	.00
Electrical machinery	7.75	6.31	5.03	1.21	.94	.57	.11	.10	.14
Household appliances	.50	.38	.23	.04	.04	.03	.00	.00	.00
Radio,tv communications equip	3.02	2.19	2.09	.56	.40	.31	.11	.10	.14
Other electrical machinery	4.22	3.74	2.70	.59	.49	.22	.00	.00	.00
Transportation equipment	4.70	4.94	4.70	.85	.74	.66	.00	.00	.00
Motor vehicles and equipment	2.15	2.29	2.01	.10	.10	.08	.00	.00	.00
Aircraft and parts	.64	.50	.44	.63	.51	.46	.00	.00	.00
Ship,boat building and repair	1.50	1.67	1.62	.09	.10	.10	.00	.00	.00
Railroad equipment	.13	.13	.09	.00	.00	.00	.00	.00	.00
Mobile dwellings	.14	.15	.30	.00	.00	.01	.00	.00	.00
Cycles,misc transportation	.12	.17	.20	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	2.00	1.94	1.71	.46	.45	.43	.00	.00	.00
Scientific instruments	.97	.82	.49	.14	.11	.05	.00	.00	.00
Optical,health serv supplies	.45	.53	.41	.07	.08	.04	.00	.00	.00
Photo equipment and supplies	.53	.56	.80	.23	.25	.33	.00	.00	.00
Watches and clock devices	.03	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	2.78	2.61	2.75	.15	.15	.19	.03	.02	.00
Nondurable goods	19.32	16.62	14.81	58.40	57.59	58.47	.28	.15	.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Designers			Editors and reporters			Musicians and composers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.24	.23	.30	.08	.09	.11	.00	.00	.00
Meat	.03	.02	.01	.01	.02	.04	.00	.00	.00
Dairy	.03	.03	.04	.00	.00	.00	.00	.00	.00
Canning and preserving	.02	.02	.01	.00	.00	.00	.00	.00	.00
Confectionery	.03	.03	.05	.00	.00	.00	.00	.00	.00
Beverages	.04	.04	.05	.03	.03	.04	.00	.00	.00
Miscellaneous food preparation	.07	.08	.12	.02	.02	.01	.00	.00	.00
Tobacco manufacturing	.03	.02	.02	.00	.00	.00	.00	.00	.00
Textile mill products	1.95	1.57	1.60	.03	.03	.04	.00	.00	.00
Knitting mills	.42	.38	.54	.00	.00	.00	.00	.00	.00
Dyeing, finishing textiles	.15	.14	.17	.00	.00	.00	.00	.00	.00
Floor coverings	.16	.12	.12	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	1.10	.84	.72	.02	.02	.04	.00	.00	.00
Miscellaneous textile mill	.11	.07	.04	.00	.00	.00	.00	.00	.00
Apparel and textile products	9.99	8.29	6.26	.09	.11	.20	.00	.00	.00
Apparel and accessories	9.35	7.74	5.81	.08	.10	.19	.00	.00	.00
Miscellaneous fabricated textile	.63	.54	.44	.01	.01	.00	.00	.00	.00
Paper and allied products	1.43	1.23	1.46	.09	.09	.12	.00	.00	.00
Pulp, paper, paperboard mills	.19	.16	.18	.05	.05	.08	.00	.00	.00
Paperboard containers, boxes	.88	.69	.77	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.35	.37	.51	.03	.03	.04	.00	.00	.00
Printing and publishing	2.70	2.64	3.05	57.39	56.59	57.26	.27	.15	.07
Newspaper publishing, printing	.37	.42	.65	39.07	38.67	38.31	.05	.02	.00
Other printing, exc newspapers	2.32	2.22	2.39	18.32	17.91	18.95	.22	.12	.07
Chemicals and allied products	.94	.83	.90	.52	.51	.56	.00	.00	.00
Industrial chemicals	.27	.23	.20	.11	.07	.03	.00	.00	.00
Plastics and synthetics	.19	.13	.10	.01	.00	.00	.00	.00	.00
Synthetic fibers	.04	.04	.07	.01	.00	.00	.00	.00	.00
Drugs and medicines	.15	.18	.25	.28	.33	.42	.00	.00	.00
Soaps and cosmetics	.20	.18	.18	.05	.05	.07	.00	.00	.00
Paints and varnishes	.03	.02	.03	.02	.02	.02	.00	.00	.00
Miscellaneous chemicals	.04	.03	.05	.02	.01	.00	.00	.00	.00
Petroleum and coal products	.15	.14	.09	.08	.06	.03	.00	.00	.00
Petroleum refining	.13	.12	.09	.08	.06	.03	.00	.00	.00
Misc petroleum, coal products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.92	.96	.63	.09	.09	.11	.00	.00	.00
Rubber	.33	.28	.27	.07	.06	.07	.00	.00	.00
Miscellaneous plastics	.59	.67	.36	.01	.02	.04	.00	.00	.00
Leather products	.93	.67	.47	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.48	.32	.17	.00	.00	.00	.00	.00	.00
All other leather	.45	.35	.29	.00	.00	.00	.00	.00	.00
Transportation, other public util	2.25	2.27	2.78	6.84	7.91	9.94	.62	.45	.24
Transportation, total	.30	.26	.32	.23	.24	.21	.07	.04	.00
Railroads and railway express	.12	.08	.05	.01	.00	.00	.00	.00	.00
Local and interurban transit	.02	.02	.05	.01	.02	.02	.00	.00	.00
Street railways and bus lines	.02	.02	.05	.01	.02	.02	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.06	.07	.06	.00	.00	.00
Trucking services	.00	.00	.00	.06	.07	.06	.00	.00	.00
Water transportation	.02	.02	.05	.02	.01	.00	.07	.04	.00
Air transportation	.07	.08	.11	.08	.07	.03	.00	.00	.00
Transportation services	.03	.04	.04	.03	.04	.06	.00	.00	.00
Communicatns, utils, sanitary serv	1.95	2.00	2.45	6.60	7.66	9.73	.54	.41	.24
Communications	.85	.98	1.71	6.31	7.38	9.52	.54	.41	.24
Telephone (wire and radio)	.62	.73	1.35	.36	.41	.69	.00	.00	.00
Telegraph, misc communicatn serv	.02	.01	.00	.03	.04	.04	.00	.00	.00
Radio and tv broadcasting	.19	.23	.36	5.91	6.92	8.78	.54	.41	.24
Utilities and sanitary services	1.10	1.01	.74	.28	.28	.21	.00	.00	.00
Electric light and power	.52	.54	.37	.11	.12	.03	.00	.00	.00
Electric-gas utilities	.46	.37	.25	.09	.07	.04	.00	.00	.00
Gas steam supply systems	.10	.09	.10	.04	.04	.04	.00	.00	.00
Water supply	.01	.01	.00	.03	.04	.09	.00	.00	.00
Wholesale and retail trade	14.94	15.62	16.41	3.60	3.90	3.93	13.29	20.61	19.51
Wholesale trade	5.15	4.88	4.24	1.07	1.09	.94	.10	.11	.15

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Designers			Editors and reporters			Musicians and composers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	3.14	3.08	2.80	.64	.68	.58	.00	.00	.00
Motor vehicles and equipment	.03	.03	.02	.03	.04	.04	.00	.00	.00
Drugs,chemicals,allied product	.23	.22	.19	.10	.10	.10	.00	.00	.00
Dry goods and apparel	1.43	1.24	1.11	.03	.03	.03	.00	.00	.00
Food and related products	.00	.00	.00	.06	.06	.06	.00	.00	.00
Farm products-raw materials	.01	.02	.00	.02	.03	.02	.00	.00	.00
Electrical goods	.37	.35	.31	.16	.15	.11	.00	.00	.00
Hardware and plumbing	.08	.08	.05	.02	.01	.00	.00	.00	.00
Machinery equipment,supplies	.96	1.13	1.09	.18	.22	.20	.00	.00	.00
Miscellaneous wholesale trade	2.00	1.79	1.43	.42	.41	.35	.10	.11	.15
Metals and minerals, other	.03	.02	.00	.02	.01	.00	.00	.00	.00
Petroleum products	.00	.00	.00	.03	.04	.05	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.01	.01	.00	.00	.00	.00
Paper and paper products	.28	.22	.17	.01	.01	.00	.00	.00	.00
Lumber,construction materials	.08	.07	.04	.00	.00	.01	.00	.00	.00
Other wholesale trade	1.57	1.46	1.19	.33	.32	.28	.10	.11	.15
Retail trade	9.79	10.74	12.17	2.53	2.80	2.99	13.18	20.50	19.35
Building materials	.19	.18	.07	.03	.05	.09	.00	.00	.00
Lumber,building material	.19	.18	.07	.01	.02	.02	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.02	.03	.07	.00	.00	.00
General merchandise,total	2.56	2.84	3.77	1.66	1.73	1.65	.00	.00	.00
Department stores,mail order	2.16	2.44	3.29	1.48	1.56	1.43	.00	.00	.00
Limited price stores	.07	.08	.13	.04	.03	.05	.00	.00	.00
Vending machine operators	.04	.04	.08	.00	.00	.00	.00	.00	.00
Direct selling	.05	.05	.03	.10	.08	.11	.00	.00	.00
Miscellaneous merchandise store	.23	.21	.23	.04	.03	.05	.00	.00	.00
Food and dairy stores	.09	.12	.23	.11	.13	.17	.00	.00	.00
Grocery stores	.08	.11	.22	.10	.12	.17	.00	.00	.00
Auto dealers,gas stations	.06	.06	.05	.04	.03	.02	.00	.00	.00
Motor vehicle dealers	.02	.01	.00	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.01	.01	.02	.01	.02	.01	.00	.00	.00
Gasoline service stations	.01	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.01	.02	.03	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	1.19	1.26	1.27	.16	.24	.43	.00	.00	.00
Apparel,accessory,except shoes	1.13	1.20	1.18	.14	.21	.34	.00	.00	.00
Shoe stores	.05	.06	.08	.01	.03	.08	.00	.00	.00
Furniture and appliance stores	3.40	3.42	3.73	.12	.15	.19	.27	.24	.15
Home furnishings	3.29	3.30	3.67	.07	.09	.12	.00	.00	.00
Household appliances,tv,radio	.10	.11	.05	.04	.05	.06	.27	.24	.15
Eating and drinking places	.07	.08	.00	.08	.09	.00	12.88	20.24	19.20
Miscellaneous retail trade	2.20	2.76	3.02	.29	.36	.40	.02	.01	.00
Drug stores	.04	.04	.07	.06	.06	.11	.00	.00	.00
Farm,garden supply stores	.06	.06	.06	.00	.00	.00	.00	.00	.00
Jewelry stores	.26	.29	.25	.01	.01	.00	.00	.00	.00
Fuel and ice dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Retail florists	.22	.22	.12	.00	.00	.00	.00	.00	.00
Misc retail trade stores	1.59	2.12	2.51	.22	.28	.28	.02	.01	.00
Finance,insurance and real estate	.44	.48	.56	1.18	1.08	.98	.00	.00	.00
Finance,total	.19	.17	.19	.43	.37	.26	.00	.00	.00
Banking	.12	.11	.13	.16	.12	.03	.00	.00	.00
Credit agencies	.00	.00	.00	.10	.10	.04	.00	.00	.00
Stock brokers,investment cos	.06	.05	.06	.16	.15	.18	.00	.00	.00
Insurance	.00	.00	.00	.62	.54	.50	.00	.00	.00
Real estate	.24	.30	.37	.12	.15	.21	.00	.00	.00
Services, total	25.77	29.68	29.96	20.92	21.09	18.02	85.13	78.26	79.79

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Designers			Editors and reporters			Musicians and composers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.09	.13	.16	.05	.07	.09	3.59	4.12	5.30
Hotels and motels	.09	.13	.16	.03	.05	.07	3.45	4.00	5.16
Other lodging places	.00	.00	.00	.01	.01	.01	.13	.11	.14
Other personal services	.35	.73	.89	.07	.17	.21	.77	1.18	.80
Dressmaking shops	.02	.01	.01	.00	.00	.00	.00	.00	.00
Misc personal services	.33	.71	.88	.07	.17	.21	.77	1.18	.80
Miscellaneous business services	11.84	12.25	15.68	7.83	8.15	6.16	1.09	1.21	1.29
Advertising	1.46	1.33	1.15	4.54	4.23	3.45	.09	.07	.04
Business management services	8.57	8.74	12.43	.99	1.03	.70	.00	.00	.00
Commercial research,development	.48	.57	.63	.22	.25	.21	.00	.00	.00
Computer programing	.31	.33	.32	.16	.19	.19	.00	.00	.00
Detective and protective serv	.02	.04	.06	.00	.00	.02	.00	.00	.00
Other business services	.97	1.22	1.07	1.90	2.42	1.57	1.00	1.14	1.24
Automobile services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.01	.01	.01	.00	.00	.00
Other repair services	.14	.17	.15	.00	.00	.00	.00	.00	.00
Electrical repair	.06	.05	.07	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.08	.12	.08	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.68	.52	.87	3.05	2.28	3.50	37.90	24.19	27.00
Miscellaneous entertainment	.07	.14	.22	.14	.29	.42	3.00	3.99	2.72
Bowling alleys,billards	.00	.00	.00	.00	.00	.00	.14	.12	.05
Other entertainment	.07	.14	.22	.14	.29	.42	2.86	3.87	2.67
Medical and other health service	.13	.14	.11	.43	.59	.67	.13	.11	.00
Hospitals	.08	.06	.00	.23	.25	.30	.09	.07	.00
Convalescent institutions	.01	.01	.00	.00	.00	.00	.02	.02	.00
Other health services	.04	.06	.11	.20	.34	.37	.01	.01	.00
Legal services	.00	.00	.00	.02	.04	.06	.00	.00	.00
Educational services	1.11	.96	.44	4.58	4.29	3.22	3.24	3.57	4.08
Elementary and secondary school	.05	.04	.00	.24	.32	.27	.81	1.07	1.16
Colleges and universities	.93	.81	.41	3.90	3.39	2.51	1.66	1.62	1.51
Libraries	.01	.00	.00	.10	.19	.17	.00	.00	.00
Other educational services	.10	.10	.03	.32	.36	.26	.75	.87	1.40
Museums,art galleries,zoos	.09	.13	.17	.08	.12	.13	.01	.01	.01
Nonprofit organizations	.20	.24	.38	2.88	3.12	2.62	33.01	36.81	35.30
Religious organizations	.03	.04	.06	.79	.90	.55	31.62	35.63	34.33
Welfare services	.01	.00	.00	.26	.23	.15	.20	.17	.30
Residential welfare services	.00	.00	.00	.00	.00	.01	.01	.01	.02
Nonprofit membership organiztns	.15	.19	.31	1.80	1.98	1.90	1.17	.99	.63
Private househlds	.10	.10	.05	.02	.01	.00	.08	.09	.07
Other professional services	10.91	14.10	10.80	1.72	1.90	.88	2.28	2.93	3.19
Engineering and architectural	9.76	12.83	9.91	.24	.26	.06	.00	.00	.00
Accounting and auditing	.17	.20	.12	.12	.16	.11	.00	.00	.00
Miscellaneous professional serv	.98	1.06	.76	1.34	1.48	.71	2.28	2.93	3.19
Government,total	1.46	1.68	3.80	4.91	4.86	5.71	.50	.37	.21
Federal public administration	.86	.99	1.89	4.23	3.96	5.06	.29	.18	.09
Federal pub adm,exc post office	.86	.99	1.89	4.23	3.96	5.06	.29	.18	.09
State public administration	.23	.28	1.52	.45	.63	.39	.00	.00	.00
Local public administration	.36	.40	.38	.22	.26	.25	.21	.19	.12

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters and sculptors			Photog- raphers			Public relations specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.20	.19	.16
Agriculture	.00	.00	.00	.00	.00	.00	.12	.08	.09
Services,except horticulture	.00	.00	.00	.00	.00	.00	.11	.06	.07
Horticultural services	.00	.00	.00	.00	.00	.00	.01	.01	.01
Forestry	.00	.00	.00	.00	.00	.00	.08	.10	.07
Mining	.00	.00	.00	.09	.09	.02	.60	.74	.54
Metal	.00	.00	.00	.00	.00	.00	.06	.06	.05
Crude petroleum and natural gas	.00	.00	.00	.09	.09	.02	.43	.59	.44
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.10	.08	.04
Construction	.68	.68	1.05	.65	.47	.43	1.33	1.32	1.39
General building contractors	.04	.02	.00	.03	.02	.00	.38	.39	.45
General contractors,exc building	.39	.34	.52	.57	.41	.43	.67	.59	.52
Special trade contractors	.25	.32	.53	.05	.04	.00	.27	.33	.41
Manufacturing	25.28	17.79	12.86	25.61	20.03	24.04	18.50	15.67	13.14
Durable goods	7.18	4.67	3.28	6.25	4.14	3.98	8.79	7.57	6.28
Ordnance	.60	.22	.11	.68	.25	.15	.22	.08	.03
Lumber and wood products	.05	.02	.02	.04	.04	.09	.22	.23	.29
Sawmill,planing and mill work	.00	.00	.00	.02	.03	.07	.16	.16	.21
Miscellaneous wood products	.05	.02	.02	.01	.01	.01	.06	.06	.07
Furniture and fixtures	.08	.06	.04	.02	.01	.00	.21	.19	.17
Stone,clay,and glass products	1.76	1.11	.43	.10	.08	.10	.53	.46	.36
Glass and glass products	.88	.54	.18	.07	.06	.08	.13	.11	.10
Cement,concrete,plaster	.05	.04	.03	.00	.00	.00	.25	.22	.17
Structural clay products	.06	.03	.00	.01	.00	.00	.03	.02	.00
Pottery and related products	.32	.21	.09	.00	.00	.00	.02	.02	.02
Miscellaneous nonmetallic,stone	.43	.28	.11	.02	.01	.01	.08	.07	.05
Primary metal industries	.05	.04	.06	.20	.15	.20	.61	.45	.30
Blast furnaces,steel works	.00	.00	.00	.11	.07	.07	.29	.18	.09
Other primary steel	.01	.00	.00	.07	.06	.11	.14	.12	.13
Primary aluminum	.03	.04	.06	.00	.00	.00	.12	.10	.06
Other primary nonferrous	.00	.00	.00	.02	.01	.02	.04	.03	.01
Fabricated metal products	.39	.34	.36	.28	.21	.27	.59	.56	.57
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.11	.12	.13
Fabricated structural metal	.11	.07	.04	.03	.06	.21	.22	.22	.27
Screw machine products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Metal stamping	.00	.00	.00	.06	.03	.01	.03	.02	.01
Miscellaneous fabricated metal	.28	.26	.32	.18	.11	.04	.18	.16	.14
Machinery except electrical	.22	.20	.29	.98	.64	.31	1.67	1.55	1.40
Engines and turbines	.04	.04	.04	.09	.04	.00	.08	.08	.05
Farm machinery and equipment	.00	.00	.00	.04	.02	.02	.10	.09	.07
Construction machines	.00	.00	.00	.13	.10	.05	.25	.24	.21
Metalworking machinery	.11	.12	.20	.09	.06	.02	.16	.15	.13
Office and accounting machines	.06	.04	.04	.05	.02	.00	.13	.07	.03
Electronic computing equipment	.00	.00	.00	.18	.12	.05	.36	.37	.42
Other machinery,exc electrical	.00	.00	.00	.37	.26	.13	.57	.52	.46
Electrical machinery	1.02	.79	.98	1.58	.92	.52	2.10	1.69	1.29
Household appliances	.07	.05	.04	.02	.01	.01	.21	.15	.09
Radio,tv communications equip	.91	.72	.94	.69	.35	.29	.96	.70	.52
Other electrical machinery	.03	.02	.00	.85	.54	.21	.92	.82	.67
Transportation equipment	1.48	.83	.36	1.60	1.14	1.30	1.50	1.28	.96
Motor vehicles and equipment	.00	.00	.00	.23	.23	.37	.65	.62	.48
Aircraft and parts	1.48	.83	.36	1.17	.78	.76	.67	.46	.25
Ship,boat building and repair	.00	.00	.00	.14	.09	.15	.04	.05	.05
Railroad equipment	.00	.00	.00	.02	.01	.00	.03	.03	.01
Mobile dwellings	.00	.00	.00	.00	.00	.00	.06	.06	.12
Cycles,misc transportation	.00	.00	.00	.01	.01	.00	.02	.03	.03
Professional,scientific instrs	.00	.00	.00	.45	.41	.66	.58	.59	.50
Scientific instruments	.00	.00	.00	.00	.00	.00	.22	.19	.13
Optical,health serv supplies	.00	.00	.00	.05	.03	.01	.22	.25	.22
Photo equipment and supplies	.00	.00	.00	.40	.37	.64	.11	.11	.13
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.02	.00
Miscellaneous manufacturing	1.50	1.02	.59	.28	.24	.34	.53	.45	.36
Nondurable goods	18.10	13.11	9.58	19.35	15.88	20.06	9.71	8.10	6.86

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters and sculptors			Photographers			Public relations specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.37	.22	.10	.07	.05	.04	2.60	2.02	1.64
Meat	.03	.02	.01	.00	.00	.00	.21	.18	.17
Dairy	.03	.01	.00	.00	.00	.00	.41	.25	.15
Canning and preserving	.04	.02	.01	.00	.00	.00	.26	.21	.17
Grain mill	.05	.03	.01	.03	.02	.02	.18	.15	.12
Bakery	.00	.00	.00	.01	.00	.00	.16	.12	.10
Confectionery	.03	.01	.00	.00	.00	.00	.02	.02	.02
Beverages	.11	.07	.04	.03	.02	.02	1.06	.84	.69
Miscellaneous food preparation	.05	.03	.01	.00	.00	.00	.26	.22	.19
Tobacco manufacturing	.01	.00	.00	.00	.00	.00	.19	.13	.09
Textile mill products	.28	.17	.13	.02	.01	.00	.27	.22	.24
Knitting mills	.00	.00	.00	.00	.00	.00	.04	.04	.07
Dyeing, finishing textiles	.09	.05	.02	.00	.00	.00	.00	.00	.00
Floor coverings	.01	.00	.00	.00	.00	.00	.04	.03	.03
Yarn and fabric mills	.13	.09	.09	.02	.01	.00	.15	.11	.10
Miscellaneous textile mill	.03	.02	.01	.00	.00	.00	.02	.02	.03
Apparel and textile products	.58	.34	.10	.06	.03	.00	.44	.40	.42
Apparel and accessories	.27	.14	.02	.06	.03	.00	.38	.34	.35
Miscellaneous fabricated textile	.30	.20	.07	.00	.00	.00	.06	.06	.06
Paper and allied products	1.14	.76	.53	.23	.19	.34	.51	.38	.30
Pulp, paper paperboard mills	.17	.10	.06	.04	.02	.01	.29	.21	.14
Paperboard containers, boxes	.41	.26	.23	.06	.04	.06	.08	.06	.04
Miscellaneous paper and pulp	.54	.39	.24	.12	.12	.25	.12	.11	.11
Printing and publishing	14.61	10.75	8.00	18.44	15.21	19.29	3.29	2.86	2.46
Newspaper publishing, printing	3.17	2.31	1.65	7.02	5.72	7.23	1.09	.97	.89
Other printing, exc newspapers	11.43	8.44	6.34	11.42	9.49	12.06	2.19	1.89	1.57
Chemicals and allied products	.68	.54	.58	.28	.18	.16	1.62	1.39	1.18
Industrial chemicals	.10	.08	.12	.13	.07	.05	.37	.29	.25
Plastics and synthetics	.06	.04	.04	.00	.00	.00	.06	.05	.04
Synthetic fibers	.00	.00	.00	.00	.00	.00	.02	.01	.00
Drugs and medicines	.21	.16	.09	.06	.06	.09	.54	.54	.47
Soaps and cosmetics	.23	.19	.24	.02	.01	.01	.36	.29	.22
Paints and varnishes	.02	.01	.01	.00	.00	.00	.08	.07	.07
Agricultural chemicals	.00	.00	.00	.02	.01	.00	.06	.06	.06
Miscellaneous chemicals	.04	.03	.06	.04	.01	.00	.09	.05	.05
Petroleum and coal products	.07	.03	.00	.10	.08	.07	.40	.35	.25
Petroleum refining	.07	.03	.00	.10	.08	.07	.32	.27	.15
Misc petroleum, coal products	.00	.00	.00	.00	.00	.00	.07	.07	.09
Rubber, miscellaneous plastics	.32	.25	.10	.13	.11	.13	.30	.27	.20
Rubber	.09	.05	.03	.11	.07	.06	.21	.16	.13
Miscellaneous plastics	.23	.19	.06	.02	.03	.07	.08	.10	.07
Leather products	.01	.00	.00	.00	.00	.00	.06	.04	.02
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.03	.02	.01
All other leather	.01	.00	.00	.00	.00	.00	.02	.01	.00
Transportation, other public util	1.21	.95	.65	2.59	2.41	3.87	11.09	10.25	10.16
Transportation, total	.09	.07	.05	.19	.14	.12	3.08	2.84	2.66
Railroads and railway express	.01	.00	.00	.05	.03	.03	.36	.23	.13
Local and interurban transit	.00	.00	.00	.03	.03	.06	.16	.12	.13
Street railways and bus lines	.00	.00	.00	.03	.03	.06	.15	.11	.12
Taxicab service	.00	.00	.00	.00	.00	.00	.00	.01	.01
Trucking and warehousing	.01	.00	.00	.02	.01	.00	.57	.56	.39
Trucking services	.00	.00	.00	.02	.01	.00	.54	.54	.38
Warehousing and storage	.01	.00	.00	.00	.00	.00	.02	.02	.00
Water transportation	.00	.00	.00	.00	.00	.00	.39	.30	.28
Air transportation	.06	.05	.05	.09	.06	.03	1.12	1.06	1.10
Pipelines	.00	.00	.00	.00	.00	.00	.01	.01	.01
Transportation services	.00	.00	.00	.00	.00	.00	.45	.52	.60
Communicatns, utils, sanitary serv	1.12	.87	.60	2.39	2.26	3.74	8.01	7.41	7.49
Communications	1.00	.78	.47	1.98	1.95	3.55	4.40	4.26	4.76
Telephone (wire and radio)	.00	.00	.00	.12	.09	.10	2.77	2.59	3.04
Telegraph, misc communicatn serv	.00	.00	.00	.03	.02	.00	.07	.08	.07
Radio and tv broadcasting	1.00	.78	.47	1.82	1.83	3.44	1.55	1.58	1.65
Utilities and sanitary services	.12	.09	.12	.41	.31	.19	3.60	3.15	2.72
Electric light and power	.00	.00	.00	.16	.15	.07	1.53	1.48	1.24
Electric-gas utilities	.12	.09	.12	.17	.10	.05	.91	.71	.69
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.90	.71	.57
Water supply	.00	.00	.00	.07	.05	.06	.13	.12	.10
Sanitary services	.00	.00	.00	.00	.00	.00	.09	.09	.09
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.00
Wholesale and retail trade	8.65	8.73	10.79	2.95	2.58	1.99	10.79	11.08	9.48
Wholesale trade	2.13	1.75	1.60	1.02	.79	.56	6.35	5.81	3.87

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters and sculptors			Photographers			Public relations specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	1.20	.97	.70	.48	.42	.33	3.51	3.29	2.09
Motor vehicles and equipment	.00	.00	.00	.01	.01	.00	.44	.43	.31
Drugs, chemicals, allied product	.16	.13	.11	.02	.01	.02	.55	.46	.28
Dry goods and apparel	.20	.14	.10	.00	.00	.00	.19	.15	.12
Food and related products	.17	.11	.04	.00	.00	.00	.67	.60	.39
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.17	.20	.08
Electrical goods	.27	.21	.18	.11	.07	.02	.56	.46	.22
Hardware and plumbing	.09	.08	.07	.02	.02	.01	.11	.10	.07
Machinery equipment, supplies	.28	.26	.18	.31	.29	.26	.80	.86	.60
Miscellaneous wholesale trade	.92	.78	.89	.54	.37	.23	2.83	2.51	1.77
Metals and minerals, other	.03	.01	.00	.02	.01	.01	.13	.09	.05
Petroleum products	.03	.01	.00	.01	.00	.00	.37	.35	.25
Scrap and waste material	.00	.00	.00	.00	.00	.00	.02	.03	.02
Alcoholic beverages	.02	.01	.00	.00	.00	.00	.43	.44	.25
Paper and paper products	.19	.14	.17	.05	.02	.01	.39	.29	.24
Lumber, construction materials	.02	.01	.00	.01	.00	.00	.16	.14	.12
Other wholesale trade	.61	.57	.69	.44	.31	.20	1.30	1.15	.82
Retail trade	6.52	6.98	9.19	1.93	1.79	1.43	4.44	5.26	5.61
Building materials	.04	.03	.01	.00	.00	.00	.18	.19	.17
Lumber, building material	.04	.03	.01	.00	.00	.00	.13	.13	.07
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.05	.06	.10
General merchandise, total	3.28	3.40	5.36	.69	.55	.40	1.51	1.49	1.70
Department stores, mail order	3.18	3.31	5.22	.66	.52	.36	1.17	1.22	1.31
Limited price stores	.00	.00	.00	.00	.00	.00	.03	.04	.08
Vending machine operators	.00	.00	.00	.00	.00	.00	.05	.05	.09
Direct selling	.00	.00	.00	.00	.00	.00	.11	.07	.04
Miscellaneous merchadise store	.10	.09	.14	.03	.02	.04	.13	.10	.16
Food and dairy stores	.35	.38	.35	.03	.01	.00	.27	.25	.17
Grocery stores	.33	.37	.35	.03	.01	.00	.21	.20	.14
Dairy products	.00	.00	.00	.00	.00	.00	.01	.01	.00
Retail bakeries	.00	.00	.00	.00	.00	.00	.01	.01	.01
Food stores, other	.01	.01	.00	.00	.00	.00	.03	.03	.01
Auto dealers, gas stations	.09	.12	.12	.02	.02	.03	.61	.66	.63
Motor vehicle dealers	.01	.00	.00	.00	.00	.00	.41	.40	.32
Tire, battery, accessory dealers	.07	.11	.12	.02	.02	.03	.02	.02	.02
Gasoline service stations	.00	.00	.00	.00	.00	.00	.12	.17	.19
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.06	.06	.09
Apparel and accessory stores	.58	.43	.15	.06	.07	.16	.25	.25	.16
Apparel, accessory, except shoes	.55	.41	.15	.04	.06	.13	.23	.22	.15
Shoe stores	.03	.01	.00	.01	.01	.02	.02	.02	.01
Furniture and appliance stores	.40	.31	.25	.16	.14	.22	.37	.40	.33
Home furnishings	.32	.23	.17	.08	.06	.10	.12	.11	.07
Household appliances, tv, radio	.08	.07	.07	.08	.08	.12	.25	.29	.26
Eating and drinking places	.04	.03	.00	.07	.05	.00	.52	1.16	1.49
Miscellaneous retail trade	1.72	2.24	2.91	.87	.92	.60	.69	.83	.93
Drug stores	.18	.14	.11	.02	.01	.00	.10	.10	.17
Liquor stores	.00	.00	.00	.00	.00	.00	.06	.08	.08
Farm, garden supply stores	.01	.04	.09	.01	.01	.01	.04	.07	.09
Jewelry stores	.05	.03	.00	.00	.01	.01	.06	.08	.09
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.06	.06	.07
Retail florists	.00	.00	.00	.02	.01	.01	.01	.01	.01
Misc retail trade stores	1.46	2.03	2.71	.79	.86	.55	.34	.41	.41
Finance, insurance and real estate	.00	.00	.00	.15	.17	.29	9.45	8.81	8.66
Finance, total	.00	.00	.00	.00	.00	.00	4.30	4.10	4.19
Banking	.00	.00	.00	.00	.00	.00	2.92	2.74	2.78
Credit agencies	.00	.00	.00	.00	.00	.00	1.02	1.07	1.14
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.35	.29	.26
Insurance	.00	.00	.00	.00	.00	.00	3.07	2.58	2.43
Real estate	.00	.00	.00	.15	.17	.29	2.06	2.11	2.02
Services, total	61.04	69.43	70.67	62.15	69.34	61.40	40.22	43.71	43.24

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters and sculptors			Photog- raphers			Public relations specialists		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.07	.07	.06	.15	.14	.25	.92	1.12	.97
Hotels and motels	.07	.07	.06	.15	.14	.25	.92	1.12	.97
Other personal services	1.84	2.91	2.86	44.45	54.16	46.70	.55	.72	.55
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.24	.14	.07
Beauty shops	.00	.00	.00	.01	.01	.00	.03	.08	.06
Misc personal services	1.84	2.91	2.86	44.44	54.15	46.70	.28	.49	.41
Miscellaneous business services	14.81	12.17	13.37	4.89	4.32	3.06	14.02	15.13	16.28
Advertising	11.11	8.09	7.74	1.01	.78	.81	1.58	1.27	.92
Business management services	.97	.96	1.42	.21	.17	.18	9.18	9.50	10.67
Commercial research,development	.29	.37	.80	.31	.26	.17	.18	.21	.26
Computer programing	.00	.00	.00	.05	.06	.10	.20	.21	.19
Detective and protective serv	.00	.00	.00	.01	.02	.02	.15	.25	.31
Employment,temporary help	.00	.00	.00	.00	.00	.00	.79	1.11	1.41
Services to buildings	.00	.00	.00	.00	.00	.00	.13	.17	.29
Other business services	2.43	2.73	3.41	3.28	3.00	1.75	1.78	2.37	2.19
Automobile services	.00	.00	.00	.02	.02	.02	.39	.42	.37
Automobile repair	.00	.00	.00	.00	.00	.00	.09	.12	.05
Automobile services,exc repair	.00	.00	.00	.02	.02	.02	.30	.30	.31
Other repair services	.24	.31	.31	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.23	.31	.31	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	1.58	.91	1.19	3.13	2.05	3.20	1.50	1.00	1.32
Miscellaneous entertainment	.27	.37	.31	.23	.32	.45	1.83	2.97	2.32
Bowling alleys,billiards	.00	.00	.00	.00	.00	.00	.37	.40	.23
Other entertainment	.27	.37	.31	.23	.32	.45	1.46	2.56	2.09
Medical and other health service	.35	.38	.84	1.73	1.68	2.18	2.96	4.43	6.63
Hospitals	.31	.31	.48	1.49	1.37	1.86	2.10	2.52	4.31
Convalescent institutions	.03	.06	.35	.00	.00	.00	.12	.20	.83
Other health services	.00	.00	.00	.22	.30	.32	.73	1.70	1.48
Legal services	.00	.00	.00	.01	.01	.00	.03	.06	.10
Educational services	3.14	3.85	5.30	4.99	4.15	3.85	7.08	7.06	6.31
Elementary and secondary school	.40	.72	.92	.21	.13	.00	.97	1.23	1.03
Colleges and universities	2.07	2.33	2.88	4.55	3.77	3.59	5.33	4.92	4.02
Libraries	.05	.04	.14	.03	.03	.01	.06	.10	.29
Other educational services	.61	.73	1.34	.19	.21	.25	.71	.80	.96
Museums,art galleries,zoos	1.16	1.38	3.09	.21	.20	.23	.25	.33	.40
Nonprofit organizations	.66	.63	.72	.30	.32	.48	8.98	8.52	6.19
Religious organizations	.28	.31	.42	.07	.08	.11	.98	1.06	.66
Welfare services	.09	.07	.09	.05	.06	.09	1.95	1.61	1.50
Residential welfare services	.00	.00	.00	.00	.00	.00	.03	.03	.02
Nonprofit membership organiztns	.28	.25	.20	.17	.17	.28	6.00	5.81	3.99
Private households	.12	.11	.06	.17	.15	.09	.00	.00	.00
Other professional services	36.75	46.29	42.52	1.81	1.76	.84	1.65	1.91	1.75
Engineering and architectural	1.21	1.57	2.09	.51	.47	.22	.59	.80	.72
Accounting and auditing	.00	.00	.00	.02	.04	.09	.13	.16	.16
Miscellaneous professional serv	35.54	44.71	40.42	1.28	1.24	.52	.92	.94	.86
Government,total	3.11	2.39	3.95	5.78	4.88	7.92	7.77	8.20	13.19
Federal public administration	2.35	1.72	1.77	4.00	2.81	3.05	3.26	2.72	6.52
Postal services	.04	.04	.04	.00	.00	.00	.17	.20	.19
Federal pub adm,exc post office	2.31	1.68	1.73	4.00	2.81	3.05	3.08	2.52	6.33
State public administration	.37	.30	.12	.89	1.03	.76	2.48	2.98	3.31
Local public administration	.38	.36	2.05	.88	1.04	4.11	2.03	2.49	3.35

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Radio and tv announcers			Other writers, artists, entertainers			Other professional and tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	2.98	2.74	4.11	1.14	1.24	1.14
Agriculture	.00	.00	.00	2.98	2.74	4.11	.20	.19	.21
Agricultural production	.00	.00	.00	.73	.92	1.99	.05	.08	.12
Services, except horticulture	.00	.00	.00	2.24	1.82	2.12	.03	.01	.02
Horticultural services	.00	.00	.00	.00	.00	.00	.11	.09	.06
Forestry	.00	.00	.00	.00	.00	.00	.90	1.01	.84
Fisheries	.00	.00	.00	.00	.00	.00	.03	.04	.08
Mining	.00	.00	.00	.00	.00	.00	.54	.69	.50
Metal	.00	.00	.00	.00	.00	.00	.06	.05	.03
Coal	.00	.00	.00	.00	.00	.00	.02	.03	.04
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.40	.57	.39
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.04	.04	.02
Construction	.00	.00	.00	.30	.24	.19	1.01	.95	.95
General building contractors	.00	.00	.00	.04	.02	.00	.23	.23	.25
General contractors, exc building	.00	.00	.00	.26	.21	.19	.55	.47	.43
Special trade contractors	.00	.00	.00	.00	.00	.00	.22	.25	.26
Manufacturing	.35	.30	.43	22.84	16.77	14.93	13.22	10.99	9.17
Durable goods	.14	.08	.00	18.70	13.69	12.60	8.56	7.21	6.22
Ordnance	.00	.00	.00	1.81	.68	.35	.42	.19	.22
Lumber and wood products	.00	.00	.00	.04	.02	.03	.27	.24	.25
Logging	.00	.00	.00	.00	.00	.00	.04	.04	.03
Sawmill, planing and mill work	.00	.00	.00	.03	.01	.03	.17	.15	.15
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.05	.04	.06
Furniture and fixtures	.00	.00	.00	.06	.05	.06	.14	.13	.14
Stone, clay, and glass products	.02	.01	.00	.11	.07	.04	.36	.32	.23
Glass and glass products	.00	.00	.00	.04	.02	.02	.10	.09	.07
Cement, concrete, plaster	.00	.00	.00	.01	.00	.00	.13	.11	.08
Structural clay products	.00	.00	.00	.01	.00	.00	.02	.01	.00
Pottery and related products	.00	.00	.00	.02	.01	.01	.01	.01	.00
Miscellaneous nonmetallic, stone	.02	.01	.00	.02	.01	.00	.09	.08	.06
Primary metal industries	.00	.00	.00	.36	.25	.18	.76	.60	.45
Blast furnaces, steel works	.00	.00	.00	.11	.07	.04	.32	.23	.17
Other primary steel	.00	.00	.00	.07	.04	.01	.17	.14	.13
Primary aluminum	.00	.00	.00	.07	.06	.06	.11	.10	.06
Other primary nonferrous	.00	.00	.00	.10	.07	.05	.15	.12	.08
Fabricated metal products	.00	.00	.00	.26	.27	.34	.79	.71	.55
Cutlery and other hardware	.00	.00	.00	.02	.01	.01	.09	.08	.07
Fabricated structural metal	.00	.00	.00	.03	.04	.07	.25	.23	.22
Screw machine products	.00	.00	.00	.06	.05	.04	.05	.04	.02
Metal stamping	.00	.00	.00	.03	.03	.05	.13	.10	.06
Miscellaneous fabricated metal	.00	.00	.00	.11	.11	.16	.26	.23	.15
Machinery except electrical	.00	.00	.00	3.33	3.05	3.80	1.54	1.45	1.30
Engines and turbines	.00	.00	.00	.23	.19	.14	.08	.08	.05
Farm machinery and equipment	.00	.00	.00	.12	.09	.05	.09	.08	.07
Construction machines	.00	.00	.00	.34	.34	.37	.24	.24	.18
Metalworking machinery	.00	.00	.00	.16	.14	.12	.17	.15	.11
Office and accounting machines	.00	.00	.00	.33	.18	.10	.10	.07	.04
Electronic computing equipment	.00	.00	.00	1.28	1.32	2.10	.30	.31	.43
Other machinery, exc electrical	.00	.00	.00	.83	.77	.90	.54	.50	.39
Electrical machinery	.11	.06	.00	6.23	4.84	4.91	1.78	1.45	1.53
Household appliances	.00	.00	.00	.07	.05	.05	.12	.08	.05
Radio, tv communications equip	.11	.06	.00	4.03	2.94	2.88	.73	.53	.50
Other electrical machinery	.00	.00	.00	2.12	1.84	1.97	.93	.82	.97
Transportation equipment	.00	.00	.00	5.29	3.45	2.02	1.77	1.46	1.11
Motor vehicles and equipment	.00	.00	.00	.97	.86	.71	.56	.56	.47
Aircraft and parts	.00	.00	.00	4.08	2.36	1.06	.91	.66	.42
Ship, boat building and repair	.00	.00	.00	.17	.12	.07	.21	.14	.11
Railroad equipment	.00	.00	.00	.04	.05	.07	.04	.04	.02
Mobile dwellings	.00	.00	.00	.00	.00	.00	.02	.03	.06
Cycles, misc transportation	.00	.00	.00	.03	.05	.09	.01	.01	.01
Professional, scientific instrs	.00	.00	.00	1.04	.87	.72	.46	.44	.37
Scientific instruments	.00	.00	.00	.61	.44	.23	.18	.15	.09
Optical, health serv supplies	.00	.00	.00	.16	.19	.24	.11	.13	.12
Photo equipment and supplies	.00	.00	.00	.26	.22	.24	.14	.13	.14
Watches and clock devices	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.13	.11	.12	.22	.19	.14
Non-durable goods	.21	.22	.43	4.15	3.07	2.33	4.65	3.78	2.95

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Radio and tv announcers			Other writers, artists, entertainers			Other professional and tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.22	.14	.10	.89	.70	.57
Meat	.00	.00	.00	.01	.00	.00	.11	.09	.06
Dairy	.00	.00	.00	.00	.00	.00	.12	.07	.05
Canning and preserving	.00	.00	.00	.05	.03	.01	.16	.13	.10
Grain mill	.00	.00	.00	.01	.00	.01	.09	.08	.06
Bakery	.00	.00	.00	.02	.00	.00	.07	.06	.05
Confectionery	.00	.00	.00	.00	.00	.00	.03	.02	.02
Beverages	.00	.00	.00	.08	.06	.06	.14	.12	.10
Miscellaneous food preparation	.00	.00	.00	.02	.01	.01	.13	.11	.10
Tobacco manufacturing	.00	.00	.00	.02	.01	.00	.04	.03	.02
Textile mill products	.00	.00	.00	.10	.07	.07	.33	.25	.23
Knitting mills	.00	.00	.00	.00	.00	.00	.05	.04	.04
Dyeing, finishing textiles	.00	.00	.00	.03	.02	.01	.02	.02	.01
Floor coverings	.00	.00	.00	.00	.00	.00	.02	.02	.03
Yarn and fabric mills	.00	.00	.00	.06	.05	.05	.18	.13	.11
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.03	.02	.02
Apparel and textile products	.00	.00	.00	.11	.10	.13	.26	.23	.20
Apparel and accessories	.00	.00	.00	.09	.08	.12	.21	.18	.16
Miscellaneous fabricated textile	.00	.00	.00	.02	.01	.01	.04	.04	.04
Paper and allied products	.00	.00	.00	.15	.10	.10	.54	.42	.36
Pulp, paper paperboard mills	.00	.00	.00	.07	.05	.05	.26	.19	.14
Paperboard containers, boxes	.00	.00	.00	.07	.04	.04	.14	.10	.10
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.13	.12	.11
Printing and publishing	.21	.22	.43	2.57	1.86	1.18	.57	.47	.38
Newspaper publishing, printing	.12	.16	.43	.29	.23	.19	.10	.08	.07
Other printing, exc newspapers	.08	.05	.00	2.27	1.63	.99	.47	.39	.30
Chemicals and allied products	.00	.00	.00	.72	.57	.58	1.16	.93	.72
Industrial chemicals	.00	.00	.00	.18	.15	.20	.40	.31	.23
Plastics and synthetics	.00	.00	.00	.05	.04	.04	.09	.06	.04
Synthetic fibers	.00	.00	.00	.01	.00	.01	.09	.07	.06
Drugs and medicines	.00	.00	.00	.25	.22	.19	.23	.22	.19
Soaps and cosmetics	.00	.00	.00	.08	.06	.05	.13	.10	.07
Paints and varnishes	.00	.00	.00	.02	.01	.00	.05	.04	.03
Agricultural chemicals	.00	.00	.00	.03	.01	.00	.05	.04	.03
Miscellaneous chemicals	.00	.00	.00	.06	.04	.06	.09	.05	.04
Petroleum and coal products	.00	.00	.00	.10	.08	.05	.36	.30	.16
Petroleum refining	.00	.00	.00	.10	.08	.05	.32	.28	.13
Misc petroleum, coal products	.00	.00	.00	.00	.00	.00	.03	.02	.02
Rubber, miscellaneous plastics	.00	.00	.00	.12	.11	.08	.37	.36	.26
Rubber	.00	.00	.00	.08	.05	.03	.20	.16	.13
Miscellaneous plastics	.00	.00	.00	.04	.05	.05	.17	.19	.12
Leather products	.00	.00	.00	.02	.00	.00	.07	.05	.02
Leather tanning and finishing	.00	.00	.00	.01	.00	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.01	.00	.00	.04	.03	.01
All other leather	.00	.00	.00	.00	.00	.00	.02	.01	.01
Transportation, other public util	95.88	95.53	94.62	7.15	6.33	6.54	2.73	2.48	2.17
Transportation, total	.00	.00	.00	.83	.68	.81	1.11	.99	.88
Railroads and railway express	.00	.00	.00	.02	.01	.00	.26	.17	.10
Local and interurban transit	.00	.00	.00	.01	.00	.00	.05	.05	.06
Street railways and bus lines	.00	.00	.00	.01	.00	.00	.05	.04	.06
Trucking and warehousing	.00	.00	.00	.07	.08	.10	.26	.27	.20
Trucking services	.00	.00	.00	.07	.08	.10	.23	.24	.18
Warehousing and storage	.00	.00	.00	.00	.00	.00	.03	.02	.02
Water transportation	.00	.00	.00	.03	.01	.00	.13	.10	.07
Air transportation	.00	.00	.00	.39	.34	.41	.26	.25	.28
Pipelines	.00	.00	.00	.03	.01	.00	.03	.03	.03
Transportation services	.00	.00	.00	.24	.20	.29	.08	.10	.10
Communicatns, utils, sanitary serv	95.88	95.53	94.62	6.32	5.65	5.72	1.62	1.48	1.29
Communications	95.70	95.33	94.29	6.12	5.51	5.65	.78	.74	.77
Telephone (wire and radio)	.00	.00	.00	.52	.45	.50	.66	.60	.63
Telegraph, misc communicatn serv	.13	.09	.01	.11	.09	.05	.03	.04	.04
Radio and tv broadcasting	95.57	95.24	94.27	5.48	4.96	5.09	.08	.09	.10
Utilities and sanitary services	.17	.20	.33	.20	.13	.07	.83	.74	.51
Electric light and power	.00	.00	.00	.05	.03	.00	.31	.32	.17
Electric-gas utilities	.00	.00	.00	.07	.06	.07	.22	.18	.15
Gas steam supply systems	.00	.00	.00	.03	.01	.00	.21	.15	.08
Water supply	.17	.20	.33	.02	.01	.00	.04	.03	.02
Sanitary services	.00	.00	.00	.01	.00	.00	.04	.04	.06
Wholesale and retail trade	.25	.22	.04	6.59	9.77	9.63	4.96	4.98	4.18
Wholesale trade	.06	.06	.04	1.30	1.03	.58	2.34	2.19	1.56

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Radio and tv announcers			Other writers, artists, entertainers			Other professional and tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	.94	.77	.42	1.54	1.50	1.10
Motor vehicles and equipment	.00	.00	.00	.16	.12	.04	.16	.16	.13
Drugs, chemicals, allied product	.00	.00	.00	.03	.02	.01	.18	.15	.09
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.06	.05	.04
Food and related products	.00	.00	.00	.07	.05	.03	.24	.22	.16
Farm products-raw materials	.00	.00	.00	.02	.01	.00	.06	.08	.03
Electrical goods	.00	.00	.00	.23	.17	.10	.23	.21	.16
Hardware and plumbing	.00	.00	.00	.07	.06	.04	.07	.06	.05
Machinery equipment, supplies	.00	.00	.00	.34	.31	.16	.51	.55	.40
Miscellaneous wholesale trade	.06	.06	.04	.35	.26	.16	.80	.69	.46
Metals and minerals, other	.00	.00	.00	.02	.01	.00	.09	.07	.05
Petroleum products	.00	.00	.00	.03	.01	.00	.22	.20	.11
Scrap and waste material	.00	.00	.00	.00	.00	.00	.01	.01	.01
Alcoholic beverages	.03	.04	.04	.02	.01	.00	.04	.04	.02
Paper and paper products	.00	.00	.00	.04	.03	.03	.08	.05	.04
Lumber, construction materials	.00	.00	.00	.00	.00	.00	.08	.07	.06
Other wholesale trade	.03	.02	.00	.22	.18	.12	.24	.21	.15
Retail trade	.18	.15	.00	5.29	8.73	9.04	2.61	2.78	2.62
Building materials	.00	.00	.00	.00	.00	.00	.14	.14	.11
Lumber, building material	.00	.00	.00	.00	.00	.00	.10	.10	.07
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.04	.03	.04
General merchandise, total	.00	.00	.00	.30	.32	.67	1.03	.97	.98
Department stores, mail order	.00	.00	.00	.20	.25	.52	.70	.72	.72
Limited price stores	.00	.00	.00	.00	.00	.00	.12	.09	.05
Vending machine operators	.00	.00	.00	.00	.00	.00	.03	.02	.02
Direct selling	.00	.00	.00	.03	.02	.05	.03	.03	.02
Miscellaneous merchadise store	.00	.00	.00	.06	.04	.09	.14	.10	.14
Food and dairy stores	.00	.00	.00	.03	.01	.00	.29	.29	.24
Grocery stores	.00	.00	.00	.03	.01	.00	.27	.26	.21
Food stores, other	.00	.00	.00	.00	.00	.00	.01	.01	.01
Auto dealers, gas stations	.00	.00	.00	.03	.01	.00	.33	.34	.28
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.19	.18	.12
Tire, battery, accessory dealrns	.00	.00	.00	.00	.00	.00	.04	.05	.05
Gasoline service stations	.00	.00	.00	.02	.01	.00	.08	.09	.07
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.01	.02	.02
Apparel and accessory stores	.05	.04	.00	.03	.02	.00	.16	.17	.15
Apparel, accessory, except shoes	.05	.04	.00	.03	.02	.00	.13	.14	.12
Shoe stores	.00	.00	.00	.00	.00	.00	.03	.03	.02
Furniture and appliance stores	.00	.00	.00	.02	.01	.00	.10	.10	.08
Home furnishings	.00	.00	.00	.02	.01	.00	.05	.05	.03
Household appliances, tv, radio	.00	.00	.00	.00	.00	.00	.05	.05	.04
Eating and drinking places	.09	.09	.00	4.73	8.17	8.17	.23	.41	.45
Miscellaneous retail trade	.03	.01	.00	.13	.16	.19	.29	.32	.32
Drug stores	.03	.01	.00	.01	.00	.00	.06	.05	.05
Liquor stores	.00	.00	.00	.00	.00	.00	.01	.01	.02
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.03	.04	.03
Jewelry stores	.00	.00	.00	.00	.00	.00	.02	.02	.02
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.04	.03	.02
Misc retail trade stores	.00	.00	.00	.12	.16	.19	.11	.14	.16
Finance, insurance and real estate	.00	.00	.00	.97	.90	1.30	4.25	4.12	4.56
Finance, total	.00	.00	.00	.62	.63	1.06	2.10	2.13	2.57
Banking	.00	.00	.00	.39	.41	.83	1.23	1.23	1.54
Credit agencies	.00	.00	.00	.10	.13	.17	.45	.52	.61
Stock brokers, investment cos	.00	.00	.00	.11	.07	.04	.42	.37	.41
Insurance	.00	.00	.00	.29	.23	.24	1.75	1.53	1.50
Real estate	.00	.00	.00	.05	.04	.00	.39	.45	.48
Services, total	2.80	3.31	4.13	53.73	58.38	56.39	59.18	60.86	63.53

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Radio and tv announcers			Other writers, artists, entertainers			Other professional and tech		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	1.23	1.30	1.32	.60	.75	.84
Hotels and motels	.00	.00	.00	1.22	1.30	1.32	.42	.54	.60
Other lodging places	.00	.00	.00	.01	.00	.00	.18	.21	.24
Other personal services	.01	.01	.00	1.52	2.33	1.50	.11	.12	.08
Laundering and cleaning	.00	.00	.00	.05	.04	.04	.06	.04	.02
Beauty shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Misc personal services	.01	.01	.00	1.47	2.29	1.46	.03	.06	.05
Miscellaneous business services	.31	.30	.28	4.84	5.16	6.90	4.72	5.93	7.01
Advertising	.24	.22	.28	.36	.27	.24	.16	.13	.11
Business management services	.00	.00	.00	.73	.79	1.18	1.13	1.24	1.63
Commercial research, development	.00	.00	.00	.54	.70	1.46	.28	.30	.39
Computer programing	.00	.00	.00	.55	.59	.86	.13	.15	.21
Detective and protective serv	.00	.00	.00	.07	.11	.15	.05	.08	.08
Employment, temporary help	.00	.00	.00	.00	.00	.00	2.53	3.46	4.05
Services to buildings	.00	.00	.00	.00	.00	.00	.04	.05	.07
Other business services	.07	.07	.00	2.57	2.67	2.98	.37	.49	.44
Automobile services	.00	.00	.00	.01	.00	.00	.09	.08	.07
Automobile repair	.00	.00	.00	.00	.00	.00	.01	.01	.00
Automobile services, exc repair	.00	.00	.00	.01	.00	.00	.07	.07	.06
Other repair services	.00	.00	.00	.09	.12	.17	.03	.03	.02
Electrical repair	.00	.00	.00	.05	.04	.10	.01	.01	.01
Other repair, exc electrical	.00	.00	.00	.04	.07	.07	.01	.02	.01
Motion pictures and theaters	.19	.16	.42	8.98	5.39	6.30	.12	.08	.09
Miscellaneous entertainment	.36	.56	.33	9.00	11.64	10.62	.66	1.11	1.22
Bowling alleys, billiards	.00	.00	.00	.06	.06	.06	.01	.01	.00
Other entertainment	.36	.56	.33	8.93	11.57	10.56	.64	1.09	1.21
Medical and other health service	.00	.00	.00	1.18	1.06	.85	2.80	3.58	4.94
Offices of physicians	.00	.00	.00	.24	.06	.02	.09	.08	.11
Offices of dentists	.00	.00	.00	.00	.00	.00	.07	.05	.04
Hospitals	.00	.00	.00	.41	.40	.46	1.78	1.99	2.59
Convalescent institutions	.00	.00	.00	.04	.04	.17	.24	.39	.96
Other health practitioners	.00	.00	.00	.14	.06	.00	.12	.09	.29
Other health services	.00	.00	.00	.33	.48	.19	.48	.94	.92
Legal services	.00	.00	.00	.08	.09	.07	9.00	9.27	10.53
Educational services	1.46	1.71	1.88	4.75	5.42	6.79	11.91	12.11	10.80
Elementary and secondary school	.09	.06	.00	.42	.81	.96	5.20	5.84	4.74
Colleges and universities	1.30	1.51	1.33	3.93	4.12	4.90	4.86	4.54	4.33
Libraries	.00	.00	.00	.06	.11	.18	1.09	.84	.93
Other educational services	.06	.13	.55	.33	.37	.74	.75	.87	.80
Museums, art galleries, zoos	.00	.00	.00	.50	.63	.87	.15	.20	.23
Nonprofit organizations	.03	.01	.00	2.19	1.97	1.71	19.65	18.40	17.17
Religious organizations	.03	.01	.00	.46	.52	.53	11.14	9.07	7.72
Welfare services	.00	.00	.00	.59	.49	.56	7.19	7.72	7.87
Residential welfare services	.00	.00	.00	.00	.01	.03	.18	.27	.48
Nonprofit membership organiztns	.00	.00	.00	1.12	.95	.57	1.13	1.33	1.08
Private households	.00	.00	.00	.13	.12	.07	.01	.02	.02
Other professional services	.41	.54	1.20	19.19	23.08	19.17	9.27	9.13	10.46
Engineering and architectural	.00	.00	.00	1.52	1.95	2.01	2.10	1.90	2.37
Accounting and auditing	.00	.00	.00	.18	.18	.10	6.43	6.47	7.35
Miscellaneous professional serv	.41	.54	1.20	17.48	20.94	17.05	.73	.75	.74
Government, total	.71	.61	.76	5.39	4.83	6.87	12.95	13.65	13.76
Federal public administration	.71	.61	.76	3.89	3.24	5.19	6.52	5.50	5.52
Postal services	.00	.00	.00	.00	.00	.00	.16	.20	.20
Federal pub adm, exc post office	.71	.61	.76	3.89	3.24	5.19	6.36	5.30	5.31
State public administration	.00	.00	.00	.61	.67	.73	3.76	4.61	4.65
Local public administration	.00	.00	.00	.89	.91	.94	2.66	3.53	3.59

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Accountants			Architects			Archivists and curators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.18	.30	.35	4.33	4.42	2.19	.00	.00	.00
Agriculture	.13	.23	.26	4.13	4.20	2.13	.00	.00	.00
Agricultural production	.07	.17	.20	.00	.00	.00	.00	.00	.00
Services,except horticulture	.03	.02	.03	.00	.00	.00	.00	.00	.00
Horticultural services	.02	.02	.02	4.13	4.20	2.13	.00	.00	.00
Forestry	.04	.06	.04	.19	.21	.05	.00	.00	.00
Fisheries	.00	.01	.04	.00	.00	.00	.00	.00	.00
Mining	1.27	1.65	1.22	.00	.00	.00	.00	.00	.00
Metal	.13	.11	.08	.00	.00	.00	.00	.00	.00
Coal	.05	.07	.08	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.97	1.36	.98	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.11	.10	.07	.00	.00	.00	.00	.00	.00
Construction	2.23	2.26	2.30	3.63	3.35	3.85	.00	.00	.00
General building contractors	.51	.53	.56	1.87	1.82	1.86	.00	.00	.00
General contractors,exc building	1.09	1.02	1.01	1.52	1.18	1.30	.00	.00	.00
Special trade contractors	.61	.71	.72	.23	.34	.68	.00	.00	.00
Manufacturing	23.02	19.71	17.38	3.37	1.88	1.36	.00	.00	.00
Durable goods	14.84	12.72	11.56	3.09	1.69	1.21	.00	.00	.00
Ordnance	.54	.24	.21	.12	.04	.02	.00	.00	.00
Lumber and wood products	.34	.34	.38	.22	.13	.05	.00	.00	.00
Logging	.01	.01	.01	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.24	.24	.26	.20	.12	.05	.00	.00	.00
Miscellaneous wood products	.08	.08	.10	.01	.01	.00	.00	.00	.00
Furniture and fixtures	.30	.30	.33	.04	.04	.07	.00	.00	.00
Stone,clay,and glass products	.74	.67	.51	.07	.04	.02	.00	.00	.00
Glass and glass products	.18	.16	.12	.04	.03	.02	.00	.00	.00
Cement,concrete,plaster	.29	.27	.21	.00	.00	.00	.00	.00	.00
Structural clay products	.04	.03	.01	.00	.00	.00	.00	.00	.00
Pottery and related products	.02	.01	.01	.01	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.19	.18	.14	.01	.01	.00	.00	.00	.00
Primary metal industries	1.45	1.17	.90	.10	.07	.07	.00	.00	.00
Blast furnaces,steel works	.60	.44	.32	.04	.01	.00	.00	.00	.00
Other primary steel	.35	.30	.29	.01	.00	.00	.00	.00	.00
Primary aluminum	.21	.19	.11	.05	.05	.07	.00	.00	.00
Other primary nonferrous	.29	.24	.16	.00	.00	.00	.00	.00	.00
Fabricated metal products	1.65	1.48	1.10	.16	.10	.02	.00	.00	.00
Cutlery and other hardware	.17	.17	.15	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.56	.56	.58	.13	.08	.02	.00	.00	.00
Screw machine products	.11	.09	.04	.00	.00	.00	.00	.00	.00
Metal stamping	.27	.22	.12	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.51	.41	.20	.03	.02	.00	.00	.00	.00
Machinery except electrical	2.81	2.58	2.13	.34	.28	.33	.00	.00	.00
Engines and turbines	.12	.11	.06	.01	.01	.00	.00	.00	.00
Farm machinery and equipment	.16	.15	.15	.03	.01	.00	.00	.00	.00
Construction machines	.46	.45	.28	.03	.03	.02	.00	.00	.00
Metalworking machinery	.34	.30	.20	.00	.00	.00	.00	.00	.00
Office and accounting machines	.17	.11	.09	.03	.01	.00	.00	.00	.00
Electronic computing equipment	.45	.46	.67	.16	.14	.21	.00	.00	.00
Other machinery,exc electrical	1.07	.97	.65	.07	.06	.08	.00	.00	.00
Electrical machinery	3.06	2.38	2.93	.06	.05	.06	.00	.00	.00
Household appliances	.23	.17	.08	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	1.22	.84	.80	.06	.05	.06	.00	.00	.00
Other electrical machinery	1.60	1.36	2.04	.01	.00	.00	.00	.00	.00
Transportation equipment	2.79	2.49	2.23	1.93	.88	.54	.00	.00	.00
Motor vehicles and equipment	1.07	1.09	1.01	.16	.12	.05	.00	.00	.00
Aircraft and parts	1.28	.98	.78	.15	.09	.06	.00	.00	.00
Ship,boat building and repair	.25	.22	.21	1.60	.66	.42	.00	.00	.00
Railroad equipment	.08	.07	.03	.00	.00	.00	.00	.00	.00
Mobile dwellings	.07	.08	.15	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.02	.03	.03	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.68	.65	.48	.00	.00	.00	.00	.00	.00
Scientific instruments	.30	.24	.11	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.19	.22	.15	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.15	.15	.17	.00	.00	.00	.00	.00	.00
Watches and clock devices	.03	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.43	.38	.31	.00	.00	.00	.00	.00	.00
Nondurable goods	8.18	6.99	5.82	.28	.18	.14	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Accountants			Architects			Archivists and curators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.86	1.54	1.30	.04	.02	.01	.00	.00	.00
Meat	.26	.22	.16	.00	.00	.00	.00	.00	.00
Dairy	.30	.20	.13	.00	.00	.00	.00	.00	.00
Canning and preserving	.30	.25	.21	.00	.00	.00	.00	.00	.00
Grain mill	.20	.18	.15	.00	.00	.00	.00	.00	.00
Bakery	.14	.11	.11	.00	.00	.00	.00	.00	.00
Confectionery	.06	.05	.05	.00	.00	.00	.00	.00	.00
Beverages	.29	.24	.22	.04	.02	.01	.00	.00	.00
Miscellaneous food preparation	.28	.25	.24	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.08	.05	.04	.00	.00	.00	.00	.00	.00
Textile mill products	.52	.41	.41	.00	.00	.00	.00	.00	.00
Knitting mills	.08	.06	.07	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.05	.04	.02	.00	.00	.00	.00	.00	.00
Floor coverings	.05	.05	.07	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.26	.20	.18	.00	.00	.00	.00	.00	.00
Miscellaneous textile mill	.06	.05	.04	.00	.00	.00	.00	.00	.00
Apparel and textile products	.46	.43	.44	.00	.00	.00	.00	.00	.00
Apparel and accessories	.38	.34	.35	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.08	.08	.08	.00	.00	.00	.00	.00	.00
Paper and allied products	.91	.74	.67	.04	.01	.00	.00	.00	.00
Pulp,paper paperboard mills	.39	.30	.24	.00	.00	.00	.00	.00	.00
Paperboard containers,boxes	.26	.20	.20	.04	.01	.00	.00	.00	.00
Miscellaneous paper and pulp	.25	.23	.23	.00	.00	.00	.00	.00	.00
Printing and publishing	1.02	.90	.80	.07	.06	.06	.00	.00	.00
Newspaper publishing, printing	.19	.16	.15	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.83	.74	.65	.06	.05	.06	.00	.00	.00
Chemicals and allied products	1.73	1.43	1.14	.11	.08	.07	.00	.00	.00
Industrial chemicals	.63	.49	.35	.10	.07	.07	.00	.00	.00
Plastics and synthetics	.15	.10	.06	.00	.00	.00	.00	.00	.00
Synthetic fibers	.09	.08	.08	.00	.00	.00	.00	.00	.00
Drugs and medicines	.26	.28	.27	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.21	.17	.12	.00	.00	.00	.00	.00	.00
Paints and varnishes	.11	.09	.08	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.11	.10	.07	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.15	.09	.08	.01	.00	.00	.00	.00	.00
Petroleum and coal products	.70	.61	.34	.00	.00	.00	.00	.00	.00
Petroleum refining	.63	.54	.28	.00	.00	.00	.00	.00	.00
Misc petroleum,coal products	.07	.06	.05	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.72	.74	.59	.00	.00	.00	.00	.00	.00
Rubber	.39	.33	.29	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.33	.41	.29	.00	.00	.00	.00	.00	.00
Leather products	.13	.09	.05	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.09	.06	.03	.00	.00	.00	.00	.00	.00
All other leather	.02	.02	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	5.24	4.86	4.42	1.13	.76	.36	.00	.00	.00
Transportation,total	2.43	2.25	2.05	.58	.34	.16	.00	.00	.00
Railroads and railway express	.59	.39	.24	.09	.04	.00	.00	.00	.00
Local and interurban transit	.10	.09	.10	.04	.04	.07	.00	.00	.00
Street railways and bus lines	.10	.08	.10	.04	.04	.07	.00	.00	.00
Trucking and warehousing	.63	.64	.50	.00	.00	.00	.00	.00	.00
Trucking services	.54	.56	.44	.00	.00	.00	.00	.00	.00
Warehousing and storage	.08	.08	.06	.00	.00	.00	.00	.00	.00
Water transportation	.33	.28	.22	.25	.13	.04	.00	.00	.00
Air transportation	.48	.48	.60	.18	.12	.05	.00	.00	.00
Pipelines	.07	.08	.07	.00	.00	.00	.00	.00	.00
Transportation services	.20	.26	.29	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	2.81	2.61	2.36	.54	.42	.19	.00	.00	.00
Communications	1.13	1.13	1.37	.23	.14	.06	.00	.00	.00
Telephone(wire and radio)	.90	.86	1.08	.23	.14	.06	.00	.00	.00
Telegraph,misc communicatn serv	.05	.07	.07	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.17	.19	.21	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.67	1.48	.99	.31	.27	.12	.00	.00	.00
Electric light and power	.64	.66	.38	.15	.16	.06	.00	.00	.00
Electric-gas utilities	.44	.36	.35	.16	.10	.06	.00	.00	.00
Gas steam supply systems	.45	.33	.17	.00	.00	.00	.00	.00	.00
Water supply	.10	.08	.04	.00	.00	.00	.00	.00	.00
Sanitary services	.02	.02	.03	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	10.59	11.10	9.52	1.33	1.05	.80	9.49	10.90	8.79
Wholesale trade	5.47	5.40	3.99	.56	.46	.36	.75	.66	.72

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Accountants			Architects			Archivists and curators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	3.54	3.66	2.86	.33	.28	.20	.00	.00	.00
Motor vehicles and equipment	.38	.41	.36	.05	.04	.02	.00	.00	.00
Drugs,chemicals,allied product	.37	.33	.22	.06	.04	.01	.00	.00	.00
Dry goods and apparel	.15	.13	.12	.00	.00	.00	.00	.00	.00
Food and related products	.61	.58	.45	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.17	.23	.11	.00	.00	.00	.00	.00	.00
Electrical goods	.52	.49	.39	.03	.04	.07	.00	.00	.00
Hardware and plumbing	.20	.20	.15	.05	.04	.02	.00	.00	.00
Machinery equipment,supplies	1.11	1.27	1.03	.12	.11	.08	.00	.00	.00
Miscellaneous wholesale trade	1.93	1.73	1.13	.22	.17	.15	.75	.66	.72
Metals and minerals, other	.22	.18	.13	.00	.00	.00	.00	.00	.00
Petroleum products	.57	.51	.28	.05	.03	.01	.00	.00	.00
Scrap and waste material	.04	.05	.02	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.11	.12	.08	.00	.00	.00	.00	.00	.00
Paper and paper products	.17	.13	.10	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.21	.19	.15	.12	.08	.06	.00	.00	.00
Other wholesale trade	.57	.52	.35	.05	.05	.08	.75	.66	.72
Retail trade	5.11	5.69	5.52	.77	.59	.43	8.74	10.24	8.06
Building materials	.37	.38	.30	.12	.08	.01	.00	.00	.00
Lumber,building material	.25	.27	.19	.12	.08	.01	.00	.00	.00
Hardware and farm equipment	.11	.10	.11	.00	.00	.00	.00	.00	.00
General merchandise,total	1.62	1.65	1.87	.34	.25	.32	.00	.00	.00
Department stores,mail order	1.18	1.29	1.41	.17	.15	.17	.00	.00	.00
Limited price stores	.08	.07	.06	.00	.00	.00	.00	.00	.00
Vending machine operators	.07	.06	.07	.00	.00	.00	.00	.00	.00
Direct selling	.04	.03	.03	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.23	.18	.27	.16	.09	.15	.00	.00	.00
Food and dairy stores	.57	.57	.43	.06	.03	.00	.00	.00	.00
Grocery stores	.53	.52	.38	.06	.03	.00	.00	.00	.00
Dairy products	.01	.01	.01	.00	.00	.00	.00	.00	.00
Retail bakeries	.01	.01	.01	.00	.00	.00	.00	.00	.00
Food stores,cther	.02	.02	.02	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.93	.98	.76	.02	.01	.00	.00	.00	.00
Motor vehicle dealers	.59	.57	.38	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.09	.12	.12	.00	.00	.00	.00	.00	.00
Gasoline service stations	.19	.21	.18	.02	.01	.00	.00	.00	.00
Miscellaneous vehicle dealers	.04	.06	.07	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.34	.38	.35	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.28	.31	.29	.00	.00	.00	.00	.00	.00
Shoe stores	.06	.06	.06	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.26	.27	.19	.03	.02	.00	.00	.00	.00
Home furnishings	.14	.14	.10	.01	.00	.00	.00	.00	.00
Household appliances,tv,radio	.12	.13	.08	.01	.01	.00	.00	.00	.00
Eating and drinking places	.39	.78	.98	.06	.06	.00	.00	.00	.00
Miscellaneous retail trade	.60	.65	.62	.11	.11	.09	8.74	10.24	8.06
Drug stores	.13	.12	.13	.00	.00	.00	.00	.00	.00
Liquor stores	.02	.03	.03	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.08	.10	.07	.09	.09	.09	.00	.00	.00
Jewelry stores	.05	.07	.05	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.11	.08	.06	.00	.00	.00	.00	.00	.00
Retail florists	.01	.01	.01	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.18	.22	.24	.02	.01	.00	8.74	10.24	8.06
Finance,insurance and real estate	8.93	8.65	9.78	.86	.78	.77	.00	.00	.00
Finance,total	4.82	4.89	5.64	.00	.00	.00	.00	.00	.00
Banking	2.84	2.83	3.33	.00	.00	.00	.00	.00	.00
Credit agencies	1.08	1.24	1.48	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.90	.81	.82	.00	.00	.00	.00	.00	.00
Insurance	3.28	2.84	3.14	.00	.00	.00	.00	.00	.00
Real estate	.81	.91	.99	.86	.78	.77	.00	.00	.00
Services, total	33.79	36.80	40.55	79.45	83.35	83.85	73.13	77.96	86.32

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Accountants			Architects			Archivists and curators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.18	1.53	1.63	.01	.00	.00	.00	.00	.00
Hotels and motels	1.16	1.51	1.60	.01	.00	.00	.00	.00	.00
Other lodging places	.02	.02	.03	.00	.00	.00	.00	.00	.00
Other personal services	.18	.20	.13	.01	.01	.00	.00	.00	.00
Laundering and cleaning	.10	.06	.02	.00	.00	.00	.00	.00	.00
Beauty shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.05	.11	.09	.01	.01	.00	.00	.00	.00
Miscellaneous business services	4.50	5.33	6.51	.56	.56	.69	.00	.00	.00
Advertising	.32	.28	.23	.00	.00	.00	.00	.00	.00
Business management services	2.89	3.28	4.29	.31	.31	.40	.00	.00	.00
Commercial research, development	.11	.13	.14	.08	.08	.09	.00	.00	.00
Computer programing	.18	.22	.36	.12	.10	.11	.00	.00	.00
Detective and protective serv	.05	.09	.13	.00	.00	.00	.00	.00	.00
Employment, temporary help	.23	.35	.51	.00	.00	.00	.00	.00	.00
Services to buildings	.05	.06	.09	.00	.00	.00	.00	.00	.00
Other business services	.65	.87	.72	.04	.05	.07	.00	.00	.00
Automobile services	.20	.20	.17	.00	.00	.00	.00	.00	.00
Automobile repair	.02	.03	.01	.00	.00	.00	.00	.00	.00
Automobile services, exc repair	.17	.16	.16	.00	.00	.00	.00	.00	.00
Other repair services	.07	.08	.04	.00	.00	.00	.00	.00	.00
Electrical repair	.03	.02	.01	.00	.00	.00	.00	.00	.00
Other repair, exc electrical	.04	.05	.02	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.22	.14	.17	.06	.04	.05	.00	.00	.00
Miscellaneous entertainment	.20	.38	.38	.03	.05	.11	.00	.00	.00
Bowling alleys, billiards	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other entertainment	.19	.37	.37	.03	.05	.11	.00	.00	.00
Medical and other health service	1.63	2.08	3.09	.30	.33	.50	.00	.00	.00
Offices of physicians	.08	.10	.15	.00	.00	.00	.00	.00	.00
Offices of dentists	.03	.03	.02	.00	.00	.00	.00	.00	.00
Hospitals	1.26	1.48	2.22	.16	.10	.00	.00	.00	.00
Convalescent institutions	.09	.13	.35	.02	.02	.00	.00	.00	.00
Other health services	.15	.32	.33	.11	.21	.50	.00	.00	.00
Legal services	.23	.28	.33	.01	.01	.00	.00	.00	.00
Educational services	1.78	1.86	1.77	2.01	2.12	2.40	18.49	16.46	15.68
Elementary and secondary school	.45	.56	.42	.41	.52	.53	.00	.00	.00
Colleges and universities	1.08	1.03	1.19	1.44	1.41	1.65	17.85	15.52	14.81
Libraries	.00	.00	.00	.00	.00	.00	.63	.94	.86
Other educational services	.24	.26	.15	.16	.17	.22	.00	.00	.00
Museums, art galleries, zoos	.01	.02	.02	.01	.02	.01	47.90	55.18	63.80
Nonprofit organizations	1.27	1.35	1.39	.54	.48	.40	5.21	4.79	4.79
Religious organizations	.17	.18	.08	.10	.09	.08	2.29	2.09	2.20
Welfare services	.50	.47	.41	.11	.11	.13	.00	.00	.00
Nonprofit membership organiztns	.58	.68	.89	.32	.27	.18	2.91	2.69	2.58
Private households	.01	.02	.01	.08	.08	.11	.00	.00	.00
Other professional services	22.25	23.28	24.86	75.77	79.59	79.55	1.51	1.52	2.04
Engineering and architectural	.47	.62	.46	74.39	78.11	78.02	.00	.00	.00
Accounting and auditing	21.35	22.14	24.08	.40	.33	.18	.00	.00	.00
Miscellaneous professional serv	.41	.51	.31	.97	1.14	1.35	1.51	1.52	2.04
Government, total	14.72	14.61	14.46	5.87	4.37	6.80	17.37	11.12	4.88
Federal public administration	9.21	7.86	7.65	3.30	2.22	1.74	9.87	4.49	.67
Postal services	.24	.32	.35	.11	.12	.11	.00	.00	.00
Federal pub adm, exc post office	8.97	7.54	7.30	3.19	2.10	1.63	9.87	4.49	.67
State public administration	3.57	4.42	5.07	1.22	1.05	1.55	6.23	5.80	4.20
Local public administration	1.93	2.33	1.73	1.34	1.09	3.50	1.26	.82	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clergy			Religious workers exc clergy			Farm management advisors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	1.97	2.44	19.45
Agriculture	.00	.00	.00	.00	.00	.00	1.68	2.05	18.98
Agricultural production	.00	.00	.00	.00	.00	.00	.75	1.44	17.59
Services,except horticulture	.00	.00	.00	.00	.00	.00	.92	.61	1.39
Forestry	.00	.00	.00	.00	.00	.00	.28	.38	.47
Manufacturing	.00	.00	.00	.15	.20	.38	.00	.00	.00
Nondurable goods	.00	.00	.00	.15	.20	.38	.00	.00	.00
Food and kindred products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Meat	.00	.00	.00	.01	.01	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	.14	.19	.38	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.14	.19	.38	.00	.00	.00
Transportation, other public util	.00	.00	.00	.00	.00	.00	.12	.09	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.12	.09	.00
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.12	.09	.00
Electric light and power	.00	.00	.00	.00	.00	.00	.12	.09	.00
Wholesale and retail trade	.01	.02	.06	.01	.01	.00	.47	.55	.83
Wholesale trade	.00	.00	.00	.00	.00	.00	.20	.22	.16
Wholesale,exc misc whlsle trade	.00	.00	.00	.00	.00	.00	.20	.22	.16
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.20	.22	.16
Retail trade	.01	.02	.06	.01	.01	.00	.27	.33	.67
Miscellaneous retail trade	.01	.02	.06	.01	.01	.00	.27	.33	.67
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.27	.33	.67
Misc retail trade stores	.01	.02	.06	.01	.01	.00	.00	.00	.00
Finance,insurance and real estate	.01	.01	.00	.03	.02	.00	6.25	6.77	2.33
Finance,total	.00	.00	.00	.00	.00	.00	6.25	6.77	2.33
Credit agencies	.00	.00	.00	.00	.00	.00	6.25	6.77	2.33
Real estate	.01	.01	.00	.02	.02	.00	.00	.00	.00
Services, total	99.69	99.65	99.35	99.73	99.70	99.61	86.00	85.73	73.70
Hotels and lodging place	.06	.05	.05	.09	.10	.13	.00	.00	.00
Other lodging places	.05	.04	.05	.09	.10	.13	.00	.00	.00
Other personal services	.01	.03	.07	.05	.13	.34	.00	.00	.00
Misc personal services	.01	.03	.07	.05	.13	.34	.00	.00	.00
Miscellaneous business services	.00	.00	.00	.01	.01	.00	.17	.14	.00
Business management services	.00	.00	.00	.01	.01	.00	.11	.09	.00
Commercial research,development	.00	.00	.00	.00	.00	.00	.05	.04	.00
Miscellaneous entertainment	.00	.00	.00	.03	.06	.16	.00	.00	.00
Other entertainment	.00	.00	.00	.03	.06	.16	.00	.00	.00
Medical and other health service	1.20	1.22	2.38	7.67	6.44	21.14	.38	.28	.00
Hospitals	1.03	1.00	1.75	.61	.63	1.16	.38	.28	.00
Convalescent institutions	.12	.16	.57	1.08	1.06	4.20	.00	.00	.00
Other health practitioners	.01	.00	.00	5.90	4.53	15.38	.00	.00	.00
Other health services	.03	.05	.04	.07	.22	.39	.00	.00	.00
Educational services	.63	.56	.80	3.56	2.80	2.17	84.73	84.60	72.91
Elementary and secondary school	.12	.14	.16	.82	1.00	1.26	.14	.10	.00
Colleges and universities	.45	.37	.55	1.90	1.14	.44	82.64	82.80	72.15
Other educational services	.06	.05	.08	.83	.64	.46	1.94	1.68	.76
Nonprofit organizations	97.41	97.45	95.62	87.78	89.64	75.27	.18	.15	.00
Religious organizations	96.13	96.36	93.80	84.34	86.29	70.36	.00	.00	.00
Welfare services	.72	.55	1.05	.77	.50	.36	.00	.00	.00
Residential welfare services	.03	.04	.14	1.12	1.17	1.97	.00	.00	.00
Nonprofit membership organiztns	.51	.48	.62	1.53	1.66	2.58	.18	.15	.00
Private households	.02	.02	.05	.05	.13	.23	.00	.00	.00
Other professional services	.33	.29	.35	.46	.36	.14	.52	.55	.79
Accounting and auditing	.00	.00	.00	.00	.00	.00	.08	.07	.00
Miscellaneous professional serv	.33	.29	.35	.46	.36	.14	.44	.48	.79
Government,total	.27	.30	.58	.05	.04	.00	5.17	4.39	3.66
Federal public administration	.06	.05	.06	.00	.00	.00	2.01	1.64	3.66
Federal pub adm,exc post office	.06	.05	.06	.00	.00	.00	2.01	1.64	3.66
State public administration	.16	.20	.38	.01	.01	.00	.55	.50	.00
Local public administration	.03	.05	.13	.04	.03	.00	2.60	2.24	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Foresters, conserva- tionists			Home management advisors			Judges		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	52.75	58.40	53.91	.59	.25	.29	.00	.00	.00
Agriculture	1.67	.75	.67	.59	.25	.29	.00	.00	.00
Agricultural production	.77	.45	.46	.00	.00	.00	.00	.00	.00
Services,except horticulture	.86	.25	.21	.59	.25	.29	.00	.00	.00
Horticultural services	.04	.04	.00	.00	.00	.00	.00	.00	.00
Forestry	49.14	55.61	48.80	.00	.00	.00	.00	.00	.00
Fisheries	1.92	2.03	4.43	.00	.00	.00	.00	.00	.00
Mining	.08	.17	.43	.00	.00	.00	.00	.00	.00
Coal	.04	.05	.10	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.04	.11	.32	.00	.00	.00	.00	.00	.00
Construction	1.59	.92	.27	.00	.00	.00	.00	.00	.00
General contractors,exc building	1.59	.92	.27	.00	.00	.00	.00	.00	.00
Manufacturing	10.06	7.76	6.84	10.47	7.02	4.35	.00	.00	.00
Durable goods	6.50	5.50	5.05	.48	.32	.25	.00	.00	.00
Lumber and wood products	6.41	5.45	5.05	.00	.00	.00	.00	.00	.00
Logging	2.30	2.26	1.78	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	3.41	2.64	2.60	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.69	.54	.66	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.03	.02	.00	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.01	.01	.00	.00	.00	.00	.00	.00	.00
Electrical machinery	.03	.01	.00	.48	.32	.25	.00	.00	.00
Household appliances	.00	.00	.00	.48	.32	.25	.00	.00	.00
Radio,tv communications equip	.03	.01	.00	.00	.00	.00	.00	.00	.00
Nondurable goods	3.56	2.26	1.79	9.99	6.69	4.09	.00	.00	.00
Food and kindred products	.00	.00	.00	7.22	4.55	2.18	.00	.00	.00
Meat	.00	.00	.00	.76	.59	.48	.00	.00	.00
Dairy	.00	.00	.00	.67	.40	.22	.00	.00	.00
Canning and preserving	.00	.00	.00	1.96	1.15	.33	.00	.00	.00
Grain mill	.00	.00	.00	.96	.65	.35	.00	.00	.00
Bakery	.00	.00	.00	1.19	.63	.22	.00	.00	.00
Confectionery	.00	.00	.00	.13	.11	.14	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	1.53	1.00	.42	.00	.00	.00
Textile mill products	.00	.00	.00	.25	.17	.13	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.13	.11	.13	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.11	.05	.00	.00	.00	.00
Apparel and textile products	.00	.00	.00	.42	.34	.31	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.42	.34	.31	.00	.00	.00
Paper and allied products	3.50	2.22	1.79	.21	.13	.00	.00	.00	.00
Pulp,paper paperboard mills	3.26	2.04	1.52	.21	.13	.00	.00	.00	.00
Paperboard containers,boxes	.13	.12	.26	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.10	.06	.00	.00	.00	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	1.53	1.27	1.25	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.30	.21	.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	1.23	1.05	1.25	.00	.00	.00
Chemicals and allied products	.06	.03	.00	.34	.21	.20	.00	.00	.00
Industrial chemicals	.06	.03	.00	.19	.11	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.15	.09	.20	.00	.00	.00
Transportation, other public util	1.70	1.65	2.56	21.26	18.27	14.68	.00	.00	.00
Transportation,total	.14	.10	.14	.00	.00	.00	.00	.00	.00
Railroads and railway express	.14	.10	.14	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	1.57	1.54	2.41	21.26	18.27	14.68	.00	.00	.00
Utilities and sanitary services	1.57	1.54	2.41	21.26	18.27	14.68	.00	.00	.00
Electric light and power	.33	.26	.03	11.24	11.37	10.11	.00	.00	.00
Electric-gas utilities	.00	.00	.00	4.24	3.63	3.90	.00	.00	.00
Gas steam supply systems	.00	.00	.00	5.55	3.17	.66	.00	.00	.00
Water supply	.12	.10	.13	.00	.00	.00	.00	.00	.00
Sanitary services	1.09	1.16	2.24	.00	.00	.00	.00	.00	.00
Other utilities	.01	.00	.00	.21	.09	.00	.00	.00	.00
Wholesale and retail trade	1.04	.77	.45	4.78	4.32	4.68	.00	.00	.00
Wholesale trade	.79	.53	.24	3.17	2.94	3.74	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Foresters, conserva- tionists			Home management advisors			Judges		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	2.67	2.28	1.88	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.40	.30	.31	.00	.00	.00
Food and related products	.00	.00	.00	1.53	1.32	.92	.00	.00	.00
Electrical goods	.00	.00	.00	.73	.65	.64	.00	.00	.00
Miscellaneous wholesale trade	.79	.53	.24	.50	.65	1.85	.00	.00	.00
Petroleum products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Paper and paper products	.05	.03	.02	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.31	.21	.12	.00	.00	.00	.00	.00	.00
Other wholesale trade	.40	.27	.10	.50	.65	1.85	.00	.00	.00
Retail trade	.24	.23	.20	1.61	1.38	.94	.00	.00	.00
Building materials	.23	.22	.18	.00	.00	.00	.00	.00	.00
Lumber,building material	.23	.22	.18	.00	.00	.00	.00	.00	.00
Food and dairy stores	.01	.01	.02	.94	.75	.31	.00	.00	.00
Grocery stores	.00	.00	.00	.80	.57	.00	.00	.00	.00
Food stores,cther	.01	.01	.02	.13	.17	.31	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.40	.44	.46	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.40	.44	.46	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.26	.19	.16	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.26	.19	.16	.00	.00	.00
Finance,insurance and real estate	.00	.00	.00	.36	.38	.00	.00	.00	.00
Finance,total	.00	.00	.00	.36	.38	.00	.00	.00	.00
Banking	.00	.00	.00	.07	.03	.00	.00	.00	.00
Credit agencies	.00	.00	.00	.28	.34	.00	.00	.00	.00
Services, total	2.51	2.08	1.17	53.32	61.73	68.11	.00	.00	.00
Other personal services	.01	.01	.00	.46	.65	.40	.00	.00	.00
Misc personal services	.01	.01	.00	.46	.65	.40	.00	.00	.00
Miscellaneous business services	.09	.07	.00	1.98	1.78	1.68	.00	.00	.00
Advertising	.00	.00	.00	.67	.44	.18	.00	.00	.00
Business management services	.00	.00	.00	.73	.78	1.20	.00	.00	.00
Commercial research,development	.07	.06	.00	.30	.32	.29	.00	.00	.00
Other business services	.01	.00	.00	.26	.23	.00	.00	.00	.00
Miscellaneous entertainment	.19	.24	.17	.00	.00	.00	.00	.00	.00
Other entertainment	.19	.24	.17	.00	.00	.00	.00	.00	.00
Medical and other health service	.60	.41	.19	3.05	3.27	3.11	.00	.00	.00
Offices of physicians	.10	.03	.00	.40	.21	.00	.00	.00	.00
Hospitals	.00	.00	.00	1.30	1.05	.00	.00	.00	.00
Convalescent institutions	.00	.00	.00	.26	.26	.00	.00	.00	.00
Other health practitioners	.00	.00	.00	.19	.28	.11	.00	.00	.00
Other health services	.50	.37	.19	.88	1.44	3.00	.00	.00	.00
Educational services	.87	.63	.27	41.11	49.88	53.77	.00	.00	.00
Elementary and secondary school	.00	.00	.00	.75	.63	.00	.00	.00	.00
Colleges and universities	.87	.63	.27	38.37	46.78	51.68	.00	.00	.00
Other educational services	.00	.00	.00	1.99	2.46	2.09	.00	.00	.00
Museums,art galleries,zoos	.10	.10	.09	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.33	.30	.28	6.34	5.75	8.38	.00	.00	.00
Religious organizations	.00	.00	.00	.38	.26	.00	.00	.00	.00
Welfare services	.00	.00	.00	5.22	4.77	7.44	.00	.00	.00
Nonprofit membership organiztns	.33	.30	.28	.73	.71	.94	.00	.00	.00
Private housechlds	.05	.04	.00	.00	.00	.00	.00	.00	.00
Other professional services	.23	.25	.15	.36	.38	.74	.00	.00	.00
Engineering and architectural	.15	.15	.09	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.08	.09	.06	.36	.38	.74	.00	.00	.00
Government,total	30.23	28.22	34.34	9.18	8.00	7.87	100.00	100.00	100.00
Federal public administration	19.19	15.84	24.99	5.57	3.96	2.33	6.62	4.71	25.38
Federal pub adm,exc post office	19.19	15.84	24.99	5.57	3.96	2.33	6.62	4.71	25.38
State public administration	9.13	10.21	5.58	1.82	1.77	1.03	48.02	49.86	38.00
Local public administration	1.90	2.17	3.77	1.78	2.27	4.50	45.35	45.41	36.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lawyers			Librarians			Operations and systems research		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.01	.01	.00	.01	.02	.00	.01	.02	.00
Agriculture	.01	.00	.00	.00	.00	.00	.00	.00	.00
Agricultural production	.01	.00	.00	.00	.00	.00	.00	.00	.00
Forestry	.00	.00	.00	.01	.02	.00	.01	.02	.00
Mining	.43	.73	.38	.07	.07	.01	.52	.73	.51
Metal	.03	.04	.03	.00	.00	.00	.08	.08	.06
Coal	.01	.03	.05	.00	.00	.00	.02	.03	.03
Crude petroleum and natural gas	.38	.65	.28	.07	.07	.01	.38	.57	.36
Nonmetallic mining and quarrying	.01	.01	.00	.00	.00	.00	.03	.04	.05
Construction	.38	.35	.09	.15	.14	.16	.63	.69	.71
General building contractors	.05	.05	.01	.01	.01	.00	.08	.14	.21
General contractors,exc building	.30	.27	.07	.13	.13	.16	.47	.49	.49
Special trade contractors	.02	.02	.00	.00	.00	.00	.06	.05	.00
Manufacturing	3.10	3.27	1.84	2.82	2.03	1.22	59.66	55.82	49.56
Durable goods	1.75	1.72	.86	1.74	1.28	.87	46.07	43.47	39.80
Ordnance	.08	.03	.00	.22	.09	.06	3.76	1.80	1.05
Lumber and wood products	.03	.05	.07	.01	.01	.02	.27	.26	.25
Sawmill,planing and mill work	.02	.04	.04	.01	.01	.02	.15	.14	.12
Miscellaneous wood products	.00	.01	.02	.00	.00	.00	.11	.11	.12
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.36	.38	.36
Stone,clay,and glass products	.07	.08	.04	.06	.05	.02	1.01	1.05	.91
Glass and glass products	.01	.01	.00	.01	.01	.00	.37	.42	.45
Cement,concrete,plaster	.05	.06	.03	.02	.02	.00	.23	.22	.14
Structural clay products	.00	.00	.00	.00	.00	.00	.03	.03	.01
Pottery and related products	.00	.00	.00	.00	.00	.00	.06	.06	.04
Miscellaneous nonmetallic,stone	.01	.01	.00	.02	.01	.00	.30	.31	.24
Primary metal industries	.16	.15	.07	.08	.08	.08	3.20	2.90	2.43
Blast furnaces,steel works	.09	.09	.05	.03	.03	.05	1.42	1.21	1.04
Other primary steel	.02	.02	.02	.02	.02	.01	.71	.64	.53
Primary aluminum	.02	.02	.00	.01	.01	.00	.42	.46	.38
Other primary nonferrous	.02	.01	.00	.01	.01	.01	.64	.58	.47
Fabricated metal products	.07	.08	.04	.02	.01	.00	2.98	3.17	2.97
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.39	.43	.40
Fabricated structural metal	.03	.03	.01	.00	.00	.00	.64	.67	.61
Screw machine products	.01	.01	.00	.00	.00	.00	.24	.26	.24
Metal stamping	.00	.00	.00	.00	.00	.00	.47	.49	.49
Miscellaneous fabricated metal	.01	.02	.01	.01	.01	.00	1.22	1.31	1.21
Machinery except electrical	.30	.30	.09	.28	.26	.23	7.98	9.13	10.44
Engines and turbines	.01	.01	.00	.01	.01	.00	.64	.76	.70
Farm machinery and equipment	.02	.03	.02	.00	.00	.00	.46	.48	.38
Construction machines	.03	.03	.00	.01	.02	.02	1.24	1.52	1.61
Metalworking machinery	.02	.02	.00	.02	.02	.01	.72	.79	.86
Office and accounting machines	.04	.04	.02	.02	.01	.00	.64	.45	.25
Electronic computing equipment	.07	.08	.02	.16	.16	.19	1.70	2.19	3.38
Other machinery,exc electrical	.09	.08	.01	.03	.02	.00	2.54	2.91	3.24
Electrical machinery	.45	.38	.19	.44	.35	.26	10.07	10.16	10.48
Household appliances	.02	.01	.00	.00	.00	.00	.49	.46	.43
Radio,tv communications equip	.20	.12	.10	.23	.17	.13	4.57	4.13	3.97
Other electrical machinery	.23	.24	.08	.20	.17	.12	4.99	5.55	6.07
Transportation equipment	.35	.39	.18	.44	.26	.10	12.72	10.51	6.73
Motor vehicles and equipment	.15	.19	.08	.03	.04	.05	2.09	2.34	1.78
Aircraft and parts	.17	.17	.08	.33	.17	.02	8.98	6.75	3.83
Ship,boat building and repair	.01	.01	.00	.07	.04	.02	1.29	1.01	.78
Railroad equipment	.01	.01	.00	.00	.00	.00	.26	.29	.22
Mobile dwellings	.00	.00	.00	.00	.00	.00	.02	.02	.04
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.05	.07	.06
Professional,scientific instrs	.12	.13	.08	.11	.09	.05	2.97	3.39	3.61
Scientific instruments	.03	.02	.00	.05	.04	.03	1.31	1.30	1.01
Optical,health serv supplies	.03	.04	.04	.02	.02	.00	.48	.78	1.05
Photo equipment and supplies	.04	.04	.01	.03	.02	.00	1.07	1.21	1.46
Watches and clock devices	.01	.01	.01	.00	.00	.00	.10	.09	.08
Miscellaneous manufacturing	.06	.08	.06	.03	.02	.02	.72	.68	.53
Nondurable goods	1.35	1.54	.97	1.08	.75	.34	13.58	12.35	9.75

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990 .

	Lawyers			Librarians			Operations and systems research		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.20	.21	.12	.02	.01	.00	1.76	1.57	1.25
Meat	.02	.02	.01	.00	.00	.00	.11	.11	.09
Dairy	.04	.03	.01	.00	.00	.00	.13	.09	.05
Canning and preserving	.02	.02	.01	.00	.00	.00	.28	.27	.25
Grain mill	.01	.01	.00	.02	.01	.00	.20	.19	.16
Bakery	.01	.00	.00	.00	.00	.00	.18	.16	.14
Confectionery	.00	.00	.00	.00	.00	.00	.15	.12	.10
Beverages	.05	.06	.03	.00	.00	.00	.41	.35	.24
Miscellaneous food preparation	.02	.03	.02	.00	.00	.00	.26	.24	.19
Tobacco manufacturing	.02	.02	.01	.00	.00	.00	.08	.06	.04
Textile mill products	.02	.02	.01	.00	.00	.00	1.25	1.10	1.03
Knitting mills	.00	.00	.00	.00	.00	.00	.19	.17	.17
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.10	.09	.09
Floor coverings	.00	.00	.00	.00	.00	.00	.12	.12	.15
Yarn and fabric mills	.02	.02	.01	.00	.00	.00	.63	.53	.44
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.19	.17	.16
Apparel and textile products	.02	.02	.00	.00	.00	.00	.74	.66	.45
Apparel and accessories	.01	.01	.00	.00	.00	.00	.62	.54	.35
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.12	.12	.10
Paper and allied products	.09	.11	.11	.00	.00	.00	1.92	1.64	1.34
Pulp,paper paperboard mills	.05	.06	.05	.00	.00	.00	.64	.50	.33
Paperboard containers,boxes	.01	.01	.01	.00	.00	.00	.74	.59	.52
Miscellaneous paper and pulp	.02	.03	.04	.00	.00	.00	.53	.54	.48
Printing and publishing	.13	.15	.08	.47	.28	.05	1.69	1.56	1.14
Newspaper publishing, printing	.02	.01	.00	.20	.13	.03	.11	.11	.12
Other printing,exc newspapers	.11	.13	.08	.26	.15	.02	1.58	1.44	1.02
Chemicals and allied products	.49	.59	.44	.47	.37	.27	3.52	3.35	3.14
Industrial chemicals	.17	.17	.09	.20	.16	.14	1.13	1.09	1.09
Plastics and synthetics	.02	.02	.01	.02	.01	.00	.28	.27	.30
Synthetic fibers	.00	.00	.00	.00	.00	.00	.39	.36	.43
Drugs and medicines	.15	.25	.27	.15	.12	.03	.64	.73	.66
Soaps and cosmetics	.07	.08	.05	.03	.03	.03	.51	.45	.33
Paints and varnishes	.01	.01	.00	.01	.01	.00	.17	.14	.10
Agricultural chemicals	.01	.01	.00	.00	.00	.00	.10	.10	.07
Miscellaneous chemicals	.03	.01	.00	.03	.03	.05	.27	.17	.12
Petroleum and coal products	.27	.31	.14	.09	.05	.00	.91	.85	.48
Petroleum refining	.26	.30	.13	.09	.05	.00	.84	.77	.40
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.07	.08	.07
Rubber,miscellaneous plastics	.06	.06	.02	.00	.00	.00	1.45	1.38	.77
Rubber	.05	.05	.02	.00	.00	.00	.97	.79	.48
Miscellaneous plastics	.01	.01	.00	.00	.00	.00	.48	.58	.29
Leather products	.01	.01	.00	.00	.00	.00	.23	.15	.06
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.14	.09	.03
All other leather	.00	.00	.00	.00	.00	.00	.08	.05	.03
Transportation, other public util	1.07	1.30	.89	.24	.21	.20	4.29	4.45	3.99
Transportation,total	.42	.46	.32	.03	.02	.01	1.48	1.43	1.20
Railroads and railway express	.15	.12	.07	.03	.02	.01	.42	.29	.13
Local and interurban transit	.04	.05	.06	.00	.00	.00	.02	.03	.10
Street railways and bus lines	.04	.04	.06	.00	.00	.00	.02	.03	.10
Trucking and warehousing	.07	.11	.07	.00	.00	.00	.11	.12	.07
Trucking services	.07	.11	.06	.00	.00	.00	.10	.12	.07
Water transportation	.01	.01	.00	.00	.00	.00	.06	.06	.04
Air transportation	.07	.08	.07	.00	.00	.00	.70	.74	.73
Pipelines	.02	.02	.01	.00	.00	.00	.06	.05	.02
Transportation services	.02	.04	.03	.00	.00	.00	.10	.13	.09
Communicatns,utils,sanitary serv	.65	.83	.56	.21	.19	.19	2.81	3.01	2.79
Communications	.26	.35	.31	.21	.19	.19	1.46	1.58	1.69
Telephone(wire and radio)	.17	.22	.19	.05	.05	.07	1.30	1.37	1.45
Telegraph,misc communicatn serv	.02	.03	.02	.00	.00	.00	.12	.15	.13
Radio and tv broadcasting	.07	.09	.09	.15	.13	.11	.04	.05	.09
Utilities and sanitary services	.38	.48	.24	.00	.00	.00	1.35	1.43	1.10
Electric light and power	.10	.17	.06	.00	.00	.00	.50	.62	.39
Electric-gas utilities	.13	.14	.07	.00	.00	.00	.44	.43	.42
Gas steam supply systems	.12	.12	.07	.00	.00	.00	.33	.28	.19
Water supply	.01	.02	.02	.00	.00	.00	.03	.03	.01
Sanitary services	.01	.01	.01	.00	.00	.00	.03	.04	.06
Other utilities	.00	.00	.00	.00	.00	.00	.00	.00	.01
Wholesale and retail trade	.85	1.29	1.06	.47	.51	.60	4.57	5.00	4.18
Wholesale trade	.44	.51	.19	.30	.32	.39	3.32	3.41	2.16

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lawyers			Librarians			Operations and systems research		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whisle trade	.23	.28	.11	.23	.26	.36	2.57	2.63	1.48
Motor vehicles and equipment	.00	.01	.00	.00	.00	.00	.27	.26	.12
Drugs,chemicals,allied product	.05	.06	.03	.06	.04	.00	.31	.28	.15
Dry goods and apparel	.00	.00	.00	.01	.01	.00	.02	.02	.02
Food and related products	.04	.04	.01	.00	.00	.00	.12	.12	.06
Farm products-raw materials	.01	.02	.00	.00	.00	.00	.03	.04	.02
Electrical goods	.01	.01	.00	.01	.07	.29	.58	.53	.28
Machinery equipment,supplies	.09	.12	.04	.13	.12	.04	1.22	1.36	.80
Miscellaneous wholesale trade	.21	.22	.08	.06	.06	.03	.75	.77	.67
Metals and minerals, other	.03	.03	.01	.00	.00	.00	.06	.06	.05
Petroleum products	.11	.13	.05	.01	.01	.01	.25	.25	.16
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.02	.03	.01
Paper and paper products	.01	.01	.00	.00	.00	.00	.12	.11	.11
Lumber,construction materials	.01	.01	.00	.00	.00	.00	.04	.05	.06
Other wholesale trade	.03	.02	.00	.04	.04	.02	.23	.26	.25
Retail trade	.40	.77	.86	.17	.18	.20	1.24	1.59	2.01
General merchandise,total	.14	.19	.15	.04	.03	.00	.73	.80	1.02
Department stores,mail order	.10	.14	.10	.03	.02	.00	.51	.62	.71
Limited price stores	.01	.02	.02	.00	.00	.00	.04	.05	.06
Direct selling	.00	.01	.01	.00	.00	.00	.01	.00	.00
Miscellaneous merchadise store	.01	.01	.00	.01	.00	.00	.14	.11	.24
Food and dairy stores	.04	.07	.08	.01	.00	.00	.11	.24	.47
Grocery stores	.04	.07	.08	.01	.00	.00	.11	.24	.47
Auto dealers,gas stations	.04	.05	.04	.00	.00	.00	.11	.18	.22
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.01	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.03	.06	.10
Gasoline service stations	.03	.05	.03	.00	.00	.00	.07	.11	.11
Apparel and accessory stores	.02	.03	.03	.00	.00	.00	.02	.01	.00
Apparel,accessory,except shoes	.01	.02	.03	.00	.00	.00	.02	.01	.00
Furniture and appliance stores	.00	.00	.00	.01	.01	.01	.05	.08	.08
Home furnishings	.00	.00	.00	.00	.00	.00	.01	.00	.00
Household appliances,tv,radio	.00	.00	.00	.01	.01	.01	.04	.07	.08
Eating and drinking places	.07	.28	.42	.00	.00	.00	.10	.11	.00
Miscellaneous retail trade	.06	.11	.12	.09	.12	.18	.09	.14	.21
Drug stores	.01	.02	.02	.01	.00	.00	.00	.00	.00
Liquor stores	.00	.02	.03	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.01	.02	.02	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.01	.03	.03	.08	.11	.18	.08	.13	.21
Finance,insurance and real estate	3.80	4.43	3.11	.64	.61	.68	6.89	7.53	9.57
Finance,total	1.01	1.32	1.14	.35	.35	.50	3.13	4.02	6.87
Banking	.41	.53	.53	.15	.16	.28	2.29	3.04	5.61
Credit agencies	.31	.45	.31	.05	.05	.06	.27	.39	.61
Stock brokers,investment cos	.29	.33	.29	.14	.13	.15	.57	.58	.64
Insurance	2.33	2.48	1.43	.25	.19	.12	3.61	3.31	2.50
Real estate	.45	.62	.53	.04	.05	.05	.14	.19	.20
Services, total	77.17	70.38	74.66	91.90	93.10	93.27	7.95	11.73	15.24

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lawyers			Librarians			Operations and systems research		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.03	.04	.01	.00	.00	.00	.06	.08	.07
Hotels and motels	.03	.04	.01	.00	.00	.00	.06	.08	.07
Other personal services	.00	.00	.00	.00	.01	.01	.01	.00	.00
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.01	.00	.00
Misc personal services	.00	.00	.00	.00	.01	.01	.00	.00	.00
Miscellaneous business services	.43	.65	.38	.70	.87	1.09	3.21	4.83	7.15
Advertising	.02	.03	.02	.08	.06	.02	.07	.06	.04
Business management services	.08	.10	.03	.14	.18	.25	.74	1.07	1.56
Commercial research,development	.05	.08	.08	.20	.25	.35	1.00	1.50	2.50
Computer programing	.01	.02	.01	.11	.13	.14	.59	.84	1.37
Detective and protective serv	.01	.03	.01	.01	.01	.01	.03	.09	.14
Employment,temporary help	.03	.05	.03	.00	.00	.00	.00	.00	.00
Services to buildings	.04	.07	.07	.00	.00	.00	.00	.00	.00
Other business services	.15	.24	.08	.15	.22	.29	.75	1.26	1.51
Automobile services	.05	.05	.02	.00	.00	.00	.05	.05	.05
Automobile services,exc repair	.05	.05	.02	.00	.00	.00	.05	.05	.05
Motion pictures and theaters	.10	.07	.07	.13	.07	.07	.00	.00	.00
Miscellaneous entertainment	.01	.03	.02	.02	.05	.07	.00	.00	.00
Other entertainment	.01	.03	.02	.02	.05	.07	.00	.00	.00
Medical and other health service	1.05	.98	.92	.81	1.12	2.19	.67	1.02	1.54
Offices of physicians	.10	.06	.10	.00	.00	.00	.00	.00	.00
Offices of dentists	.55	.35	.27	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.00	.03	.00	.00	.00	.00	.00	.00	.00
Hospitals	.07	.12	.20	.61	.74	1.58	.48	.67	1.18
Convalescent institutions	.06	.10	.17	.07	.10	.24	.00	.00	.00
Other health practitioners	.07	.09	.09	.00	.00	.00	.00	.00	.00
Other health services	.16	.22	.06	.12	.27	.36	.18	.33	.35
Legal services	73.36	66.06	72.31	.73	.71	1.51	.01	.01	.00
Educational services	.60	.74	.32	85.95	86.43	84.85	1.42	2.12	2.32
Elementary and secondary school	.14	.21	.09	44.42	47.85	42.60	.24	.46	.42
Colleges and universities	.32	.37	.18	17.65	18.01	17.22	.96	1.34	1.56
Libraries	.09	.08	.02	22.99	19.45	23.80	.01	.03	.03
Other educational services	.05	.06	.01	.89	1.11	1.22	.20	.28	.30
Museums,art galleries,zoo	.01	.01	.00	.28	.39	.50	.01	.01	.02
Nonprofit organizations	1.08	1.17	.38	2.43	2.44	1.86	.53	.63	.78
Religious organizations	.05	.06	.01	1.27	1.45	1.19	.00	.00	.00
Welfare services	.62	.60	.14	.22	.20	.26	.34	.43	.63
Residential welfare services	.00	.00	.00	.04	.05	.17	.00	.00	.00
Nonprofit membership organiztns	.40	.49	.22	.88	.73	.24	.18	.20	.15
Other professional services	.41	.53	.19	.79	.96	1.06	1.96	2.93	3.26
Engineering and architectural	.03	.04	.00	.22	.30	.21	.66	1.06	1.16
Accounting and auditing	.19	.28	.15	.09	.13	.14	.42	.59	.45
Miscellaneous professional serv	.17	.20	.03	.48	.53	.70	.88	1.28	1.65
Government,total	13.15	18.22	17.94	3.65	3.27	3.82	15.44	14.00	16.20
Federal public administration	6.23	6.35	5.41	2.32	1.81	2.55	13.75	11.74	11.05
Postal services	.01	.03	.02	.00	.00	.00	.27	.35	.28
Federal pub adm,exc post office	6.22	6.32	5.39	2.32	1.81	2.55	13.48	11.39	10.76
State public administration	2.99	5.48	5.88	.58	.64	.46	1.07	1.42	1.51
Local public administration	3.92	6.39	6.65	.74	.82	.79	.61	.83	3.63

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Personnel, labor rel- ations wkrs			Other research workers			Recreation workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.27	.32	.20	.29	.29	.13	.14	.18	.06
Agriculture	.16	.18	.12	.04	.02	.06	.00	.00	.00
Agricultural production	.11	.14	.09	.01	.00	.00	.00	.00	.00
Services,except horticulture	.02	.01	.01	.03	.02	.06	.00	.00	.00
Horticultural services	.02	.02	.01	.00	.00	.00	.00	.00	.00
Forestry	.09	.13	.07	.20	.23	.05	.14	.18	.06
Fisheries	.00	.00	.00	.03	.03	.01	.00	.00	.00
Mining	.53	.58	.35	.46	.50	.29	.00	.00	.00
Metal	.09	.07	.03	.10	.07	.04	.00	.00	.00
Coal	.02	.02	.02	.02	.02	.06	.00	.00	.00
Crude petroleum and natural gas	.34	.43	.26	.30	.36	.15	.00	.00	.00
Nonmetallic mining and quarrying	.07	.05	.02	.03	.03	.03	.00	.00	.00
Construction	1.14	1.02	.80	.49	.44	.41	.01	.05	.13
General building contractors	.19	.18	.14	.08	.10	.13	.01	.05	.13
General contractors,exc building	.69	.57	.44	.36	.30	.28	.00	.00	.00
Special trade contractors	.25	.26	.21	.03	.02	.00	.00	.00	.00
Manufacturing	23.08	18.04	12.89	18.43	13.86	10.16	.29	.16	.10
Durable goods	14.65	11.52	8.20	8.91	6.94	6.15	.18	.08	.01
Ordnance	.65	.27	.15	.84	.34	.15	.06	.01	.00
Lumber and wood products	.30	.26	.21	.13	.08	.16	.00	.00	.00
Logging	.01	.01	.01	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.19	.16	.13	.08	.06	.13	.00	.00	.00
Miscellaneous wood products	.09	.07	.07	.04	.02	.03	.00	.00	.00
Furniture and fixtures	.30	.27	.23	.11	.07	.02	.00	.00	.00
Stone,clay,and glass products	.59	.47	.29	.58	.42	.17	.01	.00	.00
Glass and glass products	.22	.18	.11	.19	.16	.10	.01	.00	.00
Cement,concrete,plaster	.17	.14	.08	.16	.10	.02	.00	.00	.00
Structural clay products	.02	.01	.00	.03	.02	.00	.00	.00	.00
Pottery and related products	.02	.01	.01	.02	.01	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.14	.12	.07	.16	.12	.03	.00	.00	.00
Primary metal industries	1.38	.99	.59	.73	.49	.37	.00	.00	.00
Blast furnaces,steel works	.56	.37	.24	.29	.13	.01	.00	.00	.00
Other primary steel	.35	.25	.15	.07	.04	.08	.00	.00	.00
Primary aluminum	.18	.16	.09	.14	.13	.10	.00	.00	.00
Other primary nonferrous	.27	.20	.11	.21	.18	.17	.00	.00	.00
Fabricated metal products	1.45	1.24	.96	.46	.39	.28	.00	.00	.00
Cutlery and other hardware	.18	.17	.14	.06	.05	.03	.00	.00	.00
Fabricated structural metal	.39	.34	.24	.12	.08	.02	.00	.00	.00
Screw machine products	.11	.08	.05	.02	.02	.03	.00	.00	.00
Metal stamping	.24	.19	.13	.02	.01	.00	.00	.00	.00
Miscellaneous fabricated metal	.51	.45	.37	.22	.20	.19	.00	.00	.00
Machinery except electrical	2.69	2.38	1.97	1.36	1.34	1.55	.01	.00	.00
Engines and turbines	.14	.12	.08	.06	.06	.05	.00	.00	.00
Farm machinery and equipment	.17	.15	.11	.04	.03	.02	.00	.00	.00
Construction machines	.44	.42	.32	.20	.22	.25	.01	.00	.00
Metalworking machinery	.27	.23	.17	.12	.11	.11	.00	.00	.00
Office and accounting machines	.19	.11	.06	.12	.06	.01	.00	.00	.00
Electronic computing equipment	.59	.58	.66	.33	.36	.50	.00	.00	.00
Other machinery,exc electrical	.86	.74	.55	.46	.47	.56	.00	.00	.00
Electrical machinery	3.23	2.48	1.76	1.69	1.47	1.78	.04	.01	.00
Household appliances	.21	.15	.10	.07	.06	.06	.00	.00	.00
Radio, tv communications equip	1.29	.90	.72	.63	.48	.78	.04	.01	.00
Other electrical machinery	1.72	1.42	.93	.98	.92	.93	.00	.00	.00
Transportation equipment	2.94	2.20	1.34	1.47	.89	.41	.02	.01	.01
Motor vehicles and equipment	1.14	1.04	.74	.32	.24	.16	.00	.00	.00
Aircraft and parts	1.32	.82	.34	1.02	.55	.12	.00	.00	.00
Ship,boat building and repair	.35	.20	.13	.08	.05	.01	.01	.00	.00
Railroad equipment	.07	.06	.03	.01	.01	.01	.00	.00	.00
Mobile dwellings	.04	.04	.07	.01	.02	.08	.01	.01	.01
Cycles,misc transportation	.01	.02	.01	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.69	.62	.47	1.24	1.25	1.18	.00	.00	.00
Scientific instruments	.27	.22	.13	.26	.23	.18	.00	.00	.00
Optical,health serv supplies	.16	.18	.13	.37	.46	.48	.00	.00	.00
Photo equipment and supplies	.21	.19	.18	.59	.54	.50	.00	.00	.00
Watches and clock devices	.02	.01	.00	.01	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.37	.29	.19	.26	.17	.04	.03	.01	.00
Nondurable goods	8.42	6.52	4.69	9.51	6.91	4.01	.11	.08	.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Personnel, labor rel- ations wkrs			Other research workers			Recreation workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.58	1.23	.98	1.13	.68	.20	.00	.00	.00
Meat	.20	.16	.11	.08	.05	.02	.00	.00	.00
Dairy	.13	.08	.04	.06	.03	.00	.00	.00	.00
Canning and preserving	.35	.28	.24	.32	.20	.07	.00	.00	.00
Grain mill	.15	.11	.07	.17	.10	.02	.00	.00	.00
Bakery	.17	.13	.11	.11	.06	.02	.00	.00	.00
Confectionery	.07	.05	.03	.06	.03	.01	.00	.00	.00
Beverages	.27	.21	.18	.12	.07	.02	.00	.00	.00
Miscellaneous food preparation	.20	.17	.17	.18	.10	.02	.00	.00	.00
Tobacco manufacturing	.08	.05	.03	.11	.06	.03	.00	.00	.00
Textile mill products	.91	.65	.54	.49	.28	.11	.05	.05	.06
Knitting mills	.15	.11	.13	.06	.04	.03	.00	.00	.00
Dyeing,finishing textiles	.06	.04	.02	.04	.02	.00	.00	.00	.00
Floor coverings	.05	.04	.05	.03	.01	.00	.00	.00	.00
Yarn and fabric mills	.55	.38	.29	.31	.18	.06	.05	.05	.06
Miscellaneous textile mill	.08	.05	.03	.03	.01	.00	.00	.00	.00
Apparel and textile products	.78	.63	.48	.09	.08	.07	.00	.00	.00
Apparel and accessories	.64	.51	.39	.07	.06	.06	.00	.00	.00
Miscellaneous fabricated textile	.13	.12	.08	.02	.02	.00	.00	.00	.00
Paper and allied products	.88	.65	.49	.64	.43	.25	.01	.00	.00
Pulp,paper paperboard mills	.37	.25	.15	.45	.31	.20	.00	.00	.00
Paperboard ccontainers,boxes	.26	.18	.15	.07	.04	.02	.00	.00	.00
Miscellaneous paper and pulp	.24	.21	.18	.12	.07	.02	.01	.00	.00
Printing and publishing	.86	.71	.57	1.20	.72	.14	.00	.00	.00
Newspaper publishing, printing	.18	.16	.16	.18	.10	.02	.00	.00	.00
Other printing,exc newspapers	.67	.54	.40	1.02	.62	.12	.00	.00	.00
Chemicals and allied products	1.92	1.43	.96	4.69	3.79	2.88	.03	.01	.01
Industrial chemicals	.67	.48	.29	1.48	1.19	1.10	.01	.00	.00
Plastics and synthetics	.17	.11	.07	.34	.25	.22	.00	.00	.00
Synthetic fibers	.23	.17	.11	.43	.36	.38	.00	.00	.00
Drugs and medicines	.30	.28	.18	1.47	1.31	.74	.00	.00	.00
Soaps and cosmetics	.23	.17	.12	.28	.22	.16	.00	.00	.00
Paints and varnishes	.07	.06	.06	.16	.09	.02	.00	.00	.00
Agricultural chemicals	.06	.05	.03	.16	.14	.09	.00	.00	.00
Miscellaneous chemicals	.16	.09	.06	.34	.19	.13	.02	.01	.01
Petroleum and coal products	.43	.34	.16	.66	.45	.12	.00	.00	.00
Petroleum refining	.41	.31	.14	.58	.38	.08	.00	.00	.00
Misc petroleum,coal products	.02	.02	.01	.08	.06	.04	.00	.00	.00
Rubber,miscellaneous plastics	.74	.68	.39	.41	.34	.16	.00	.00	.00
Rubber	.35	.26	.17	.25	.19	.12	.00	.00	.00
Miscellaneous plastics	.39	.42	.22	.16	.15	.03	.00	.00	.00
Leather products	.19	.12	.06	.06	.03	.00	.00	.00	.00
Leather tanning and finishing	.01	.00	.00	.02	.00	.00	.00	.00	.00
Footwear, except rubber	.11	.06	.02	.02	.01	.00	.00	.00	.00
All other leather	.07	.04	.03	.02	.01	.00	.00	.00	.00
Transportation, other public util	6.07	5.29	4.21	1.01	.76	.42	.09	.07	.02
Transportation,total	2.05	1.77	1.36	.44	.34	.24	.00	.00	.00
Railroads and railway express	.38	.23	.10	.12	.07	.02	.00	.00	.00
Local and interurban transit	.15	.12	.14	.02	.01	.03	.00	.00	.00
Street railways and bus lines	.12	.09	.11	.02	.01	.03	.00	.00	.00
Taxicab service	.02	.03	.02	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.53	.52	.36	.05	.05	.06	.00	.00	.00
Trucking services	.48	.48	.34	.04	.05	.05	.00	.00	.00
Warehousing and storage	.05	.04	.02	.00	.00	.00	.00	.00	.00
Water transportation	.19	.15	.07	.02	.01	.00	.00	.00	.00
Air transportation	.63	.56	.55	.14	.09	.04	.00	.00	.00
Pipelines	.06	.05	.02	.02	.01	.00	.00	.00	.00
Transportation services	.09	.10	.10	.05	.06	.06	.00	.00	.00
Communicatns,utils,sanitary serv	4.02	3.51	2.85	.57	.43	.18	.09	.07	.02
Communications	2.77	2.43	2.17	.28	.18	.07	.09	.07	.02
Telephone(wire and radio)	2.56	2.21	1.96	.24	.14	.02	.02	.01	.00
Telegraph,misc communicatn serv	.09	.10	.08	.04	.03	.05	.00	.00	.00
Radio and tv broadcasting	.11	.11	.12	.00	.00	.00	.06	.05	.02
Utilities and sanitary services	1.25	1.08	.67	.28	.24	.11	.00	.00	.00
Electric light and power	.45	.46	.22	.07	.09	.03	.00	.00	.00
Electric-gas utilities	.35	.25	.15	.06	.04	.03	.00	.00	.00
Gas steam supply systems	.30	.22	.15	.09	.06	.02	.00	.00	.00
Water supply	.07	.07	.06	.01	.01	.00	.00	.00	.00
Sanitary services	.06	.06	.08	.04	.02	.00	.00	.00	.00
Wholesale and retail trade	11.02	10.48	7.68	2.37	2.10	1.71	.02	.01	.00
Wholesale trade	3.45	2.98	1.67	1.75	1.44	.77	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Personnel, labor rel- ations %KRS			Other research workers			Recreation workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	2.41	2.14	1.16	1.22	1.00	.43	.00	.00	.00
Motor vehicles and equipment	.30	.28	.16	.08	.06	.03	.00	.00	.00
Drugs,chemicals,allied product	.28	.23	.14	.38	.26	.07	.00	.00	.00
Dry goods and apparel	.09	.06	.04	.04	.03	.03	.00	.00	.00
Food and related products	.36	.30	.15	.12	.09	.03	.00	.00	.00
Farm products-raw materials	.04	.04	.01	.04	.05	.02	.00	.00	.00
Electrical goods	.38	.31	.17	.19	.16	.11	.00	.00	.00
Hardware and plumbing	.09	.07	.04	.02	.02	.01	.00	.00	.00
Machinery equipment,supplies	.83	.81	.42	.31	.29	.12	.00	.00	.00
Miscellaneous wholesale trade	1.03	.84	.50	.53	.44	.34	.00	.00	.00
Metals and minerals, other	.13	.10	.07	.07	.05	.03	.00	.00	.00
Petroleum products	.25	.21	.10	.07	.05	.01	.00	.00	.00
Scrap and waste material	.02	.02	.01	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.05	.05	.02	.00	.00	.00	.00	.00	.00
Paper and paper products	.14	.09	.05	.11	.08	.06	.00	.00	.00
Lumber,construction materials	.08	.06	.05	.04	.03	.03	.00	.00	.00
Other wholesale trade	.34	.28	.16	.22	.21	.18	.00	.00	.00
Retail trade	7.57	7.50	6.01	.62	.66	.93	.02	.01	.00
Building materials	.22	.21	.14	.02	.02	.01	.00	.00	.00
Lumber,building material	.16	.15	.09	.02	.02	.01	.00	.00	.00
Hardware and farm equipment	.06	.05	.05	.00	.00	.00	.00	.00	.00
General merchandise,total	4.02	3.54	2.95	.30	.36	.69	.00	.00	.00
Department stores,mail order	2.52	2.44	2.12	.22	.28	.52	.00	.00	.00
Limited price stores	.77	.53	.28	.01	.01	.03	.00	.00	.00
Vending machine operators	.08	.06	.04	.00	.00	.00	.00	.00	.00
Direct selling	.18	.16	.07	.01	.01	.03	.00	.00	.00
Miscellaneous merchadise store	.45	.33	.42	.05	.05	.10	.00	.00	.00
Food and dairy stores	.89	.85	.72	.03	.02	.00	.00	.00	.00
Grocery stores	.81	.77	.65	.03	.02	.00	.00	.00	.00
Dairy products	.02	.02	.01	.00	.00	.00	.00	.00	.00
Retail bakeries	.02	.02	.01	.00	.00	.00	.00	.00	.00
Food stores,cther	.03	.04	.03	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.37	.40	.31	.04	.04	.03	.02	.01	.00
Motor vehicle dealers	.15	.14	.10	.00	.00	.00	.02	.01	.00
Tire,battery,accessory dealrks	.08	.10	.10	.00	.00	.00	.00	.00	.00
Gasoline service stations	.13	.14	.08	.03	.04	.03	.00	.00	.00
Miscellaneous vehicle dealers	.01	.01	.02	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.49	.49	.38	.02	.01	.00	.00	.00	.00
Apparel,accessory,except shoes	.41	.42	.33	.02	.01	.00	.00	.00	.00
Shoe stores	.08	.07	.05	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.17	.18	.16	.00	.00	.00	.00	.00	.00
Home furnishings	.08	.08	.06	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.08	.10	.09	.00	.00	.00	.00	.00	.00
Eating and drinking places	.81	1.21	.81	.09	.05	.00	.00	.00	.00
Miscellaneous retail trade	.57	.59	.52	.09	.13	.18	.00	.00	.00
Drug stores	.16	.13	.11	.00	.00	.00	.00	.00	.00
Liquor stores	.03	.04	.04	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.04	.05	.03	.04	.05	.04	.00	.00	.00
Jewelry stores	.04	.05	.03	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.04	.03	.02	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.23	.27	.27	.04	.07	.13	.00	.00	.00
Finance,insurance and real estate	5.43	4.58	5.33	3.43	3.03	4.63	.38	.34	.32
Finance,total	2.51	2.41	2.87	2.32	2.24	3.79	.00	.00	.00
Banking	1.68	1.56	1.83	1.10	1.16	1.93	.00	.00	.00
Credit agencies	.51	.55	.70	.11	.13	.22	.00	.00	.00
Stock brokers,investment cos	.32	.28	.34	1.10	.94	1.63	.00	.00	.00
Insurance	2.66	1.91	2.24	.85	.53	.26	.00	.00	.00
Real estate	.25	.25	.21	.26	.25	.57	.38	.34	.32
Services, total	32.88	41.27	46.30	61.47	69.29	78.86	81.77	82.07	84.98

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Personnel, labor rel- ations wkrs			Other research workers			Recreation workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.40	.43	.41	.04	.05	.14	7.06	6.04	6.92
Hotels and motels	.35	.39	.36	.04	.05	.14	.87	1.14	1.70
Other lodging places	.04	.03	.04	.00	.00	.00	6.18	4.89	5.21
Other personal services	.41	.37	.21	.06	.09	.07	.08	.16	.17
Laundering and cleaning	.29	.17	.11	.00	.00	.00	.01	.00	.00
Beauty shops	.02	.03	.01	.00	.00	.00	.01	.01	.00
Dressmaking shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.09	.14	.08	.05	.09	.07	.05	.14	.17
Miscellaneous business services	22.79	30.80	36.88	7.87	9.52	13.43	.19	.21	.23
Advertising	.17	.13	.08	.74	.59	.99	.02	.01	.00
Business management services	1.00	1.08	1.08	1.96	2.43	3.54	.06	.07	.07
Commercial research,development	.19	.21	.26	3.65	4.42	6.35	.00	.00	.00
Computer programing	.31	.32	.28	.37	.39	.38	.01	.01	.02
Detective and protective serv	.23	.33	.25	.04	.06	.08	.00	.00	.00
Employment,temporary help	20.04	27.63	33.82	.28	.46	.77	.00	.00	.00
Services to buildings	.16	.20	.31	.00	.00	.00	.00	.00	.00
Other business services	.67	.86	.77	.80	1.14	1.29	.08	.10	.13
Automobile services	.16	.16	.13	.05	.06	.04	.00	.00	.00
Automobile repair	.03	.04	.02	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.12	.12	.11	.04	.05	.04	.00	.00	.00
Other repair services	.08	.10	.08	.00	.00	.00	.00	.00	.00
Electrical repair	.04	.03	.03	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.04	.06	.04	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.13	.09	.12	.14	.08	.18	.45	.27	.19
Miscellaneous entertainment	.21	.32	.21	.00	.00	.00	23.10	25.45	26.94
Bowling alleys,billards	.02	.02	.01	.00	.00	.00	.34	.31	.12
Other entertainment	.19	.29	.20	.00	.00	.00	22.75	25.13	26.82
Medical and other health service	2.98	3.15	3.27	5.07	6.99	8.59	7.44	8.74	13.17
Offices of physicians	.20	.11	.18	.23	.32	.42	.01	.00	.00
Offices of dentists	.00	.00	.00	.01	.04	.08	.00	.00	.00
Hospitals	2.25	2.19	2.03	3.44	3.67	4.43	3.28	3.11	3.01
Convalescent institutions	.15	.21	.54	.02	.04	.22	3.63	4.62	9.43
Other health practitioners	.00	.00	.00	.03	.05	.09	.00	.00	.00
Other health services	.36	.61	.51	1.32	2.84	3.33	.51	.99	.73
Legal services	.03	.04	.03	.27	.22	.21	.00	.00	.00
Educational services	3.02	3.10	2.50	36.74	39.56	41.06	10.64	11.70	8.95
Elementary and secondary school	.87	.99	.68	.68	.96	.80	4.20	5.19	3.39
Colleges and universities	1.60	1.51	1.25	35.08	37.25	38.73	5.49	5.52	4.83
Libraries	.01	.02	.04	.14	.29	.32	.00	.00	.00
Other educational services	.53	.57	.52	.83	1.05	1.19	.93	.97	.72
Museums,art galleries,zoos	.01	.01	.02	.24	.33	.42	.07	.09	.12
Nonprofit organizations	1.83	1.75	1.64	2.37	2.22	1.91	32.24	28.89	27.81
Religious organizations	.16	.15	.09	.21	.24	.21	2.99	3.11	2.01
Welfare services	1.05	.95	.90	.96	.92	1.11	6.71	5.36	11.16
Residential welfare services	.01	.02	.04	.02	.04	.13	.82	1.08	2.17
Nonprofit membership organiztns	.60	.61	.59	1.16	1.00	.44	21.70	19.33	12.44
Private households	.00	.00	.00	.02	.02	.05	.01	.00	.00
Other professional services	.77	.92	.75	8.54	10.11	12.72	.46	.48	.44
Engineering and architectural	.26	.34	.27	.57	.79	.79	.06	.07	.04
Accounting and auditing	.23	.27	.20	.11	.14	.16	.00	.00	.00
Miscellaneous professional serv	.27	.31	.27	7.85	9.17	11.76	.39	.40	.39
Government,total	19.55	18.38	22.18	12.00	9.69	3.35	17.25	17.08	14.34
Federal public administration	9.39	7.25	8.35	8.76	6.35	2.63	1.75	1.69	2.16
Postal services	.63	.74	.72	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	8.76	6.50	7.62	8.76	6.35	2.63	1.75	1.69	2.16
State public administration	8.70	9.53	10.16	2.58	2.77	.51	1.97	1.79	.86
Local public administration	1.45	1.59	3.67	.65	.56	.20	13.51	13.59	11.32

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Social workers			Vocation, education counselors			Managers, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.02	.02	.00	.28	.34	.33
Agriculture	.00	.00	.00	.00	.00	.00	.21	.23	.22
Agricultural production	.00	.00	.00	.00	.00	.00	.01	.02	.03
Services,except horticulture	.00	.00	.00	.00	.00	.00	.13	.11	.11
Horticultural services	.00	.00	.00	.00	.00	.00	.07	.09	.06
Forestry	.00	.00	.00	.02	.02	.00	.02	.04	.03
Fisheries	.00	.00	.00	.00	.00	.00	.04	.05	.07
Mining	.00	.00	.00	.00	.00	.00	.57	.68	.57
Metal	.00	.00	.00	.00	.00	.00	.03	.03	.02
Coal	.00	.00	.00	.00	.00	.00	.04	.06	.07
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.36	.47	.38
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.12	.11	.08
Construction	.00	.00	.00	.00	.00	.00	6.20	7.30	5.50
General building contractors	.00	.00	.00	.00	.00	.00	2.46	3.21	1.87
General contractors,exc building	.00	.00	.00	.00	.00	.00	1.41	1.48	1.70
Special trade contractors	.00	.00	.00	.00	.00	.00	2.33	2.61	1.93
Manufacturing	.00	.00	.00	.56	.38	.29	15.83	14.28	13.75
Durable goods	.00	.00	.00	.25	.17	.18	9.01	8.27	7.97
Ordnance	.00	.00	.00	.01	.00	.00	.23	.10	.07
Lumber and wood products	.00	.00	.00	.00	.00	.00	.53	.54	.55
Logging	.00	.00	.00	.00	.00	.00	.09	.12	.10
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.31	.30	.31
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.12	.12	.13
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.35	.34	.37
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	.60	.57	.49
Glass and glass products	.00	.00	.00	.00	.00	.00	.09	.09	.08
Cement,concrete,plaster	.00	.00	.00	.00	.00	.00	.31	.29	.25
Structural clay products	.00	.00	.00	.00	.00	.00	.04	.03	.02
Pottery and related products	.00	.00	.00	.00	.00	.00	.02	.02	.01
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.12	.12	.11
Primary metal industries	.00	.00	.00	.00	.00	.00	.59	.51	.45
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	.15	.11	.10
Other primary steel	.00	.00	.00	.00	.00	.00	.19	.17	.17
Primary aluminum	.00	.00	.00	.00	.00	.00	.09	.09	.07
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.15	.12	.09
Fabricated metal products	.00	.00	.00	.00	.00	.00	1.24	1.15	1.05
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.12	.13	.14
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.44	.44	.50
Screw machine products	.00	.00	.00	.00	.00	.00	.09	.08	.07
Metal stamping	.00	.00	.00	.00	.00	.00	.17	.14	.09
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.40	.34	.22
Machinery except electrical	.00	.00	.00	.11	.09	.12	1.87	1.79	1.71
Engines and turbines	.00	.00	.00	.00	.00	.00	.06	.05	.04
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.10	.09	.09
Construction machines	.00	.00	.00	.00	.00	.00	.23	.22	.17
Metalworking machinery	.00	.00	.00	.00	.00	.00	.31	.28	.25
Office and accounting machines	.00	.00	.00	.03	.01	.00	.09	.06	.05
Electronic computing equipment	.00	.00	.00	.07	.07	.11	.24	.26	.35
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.83	.79	.74
Electrical machinery	.00	.00	.00	.03	.01	.00	1.49	1.25	1.29
Household appliances	.00	.00	.00	.00	.00	.00	.10	.08	.07
Radio,tv communications equip	.00	.00	.00	.00	.00	.00	.49	.35	.32
Other electrical machinery	.00	.00	.00	.02	.01	.00	.90	.81	.89
Transportation equipment	.00	.00	.00	.05	.03	.04	1.10	1.03	1.03
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.33	.35	.36
Aircraft and parts	.00	.00	.00	.03	.02	.03	.50	.39	.28
Ship,boat building and repair	.00	.00	.00	.02	.01	.01	.13	.13	.12
Railroad equipment	.00	.00	.00	.00	.00	.00	.02	.02	.01
Mobile dwellings	.00	.00	.00	.00	.00	.00	.09	.09	.21
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.03
Professional,scientific instrs	.00	.00	.00	.01	.01	.00	.47	.47	.45
Scientific instruments	.00	.00	.00	.00	.00	.00	.19	.16	.11
Optical,health serv supplies	.00	.00	.00	.01	.00	.00	.16	.19	.17
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.09	.10	.14
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.01	.00	.00	.50	.47	.47
Nondurable goods	.00	.00	.00	.30	.20	.10	6.81	6.01	5.77

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Social workers			Vocation, education counselors			Managers, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	1.72	1.42	1.24
Meat	.00	.00	.00	.00	.00	.00	.23	.19	.14
Dairy	.00	.00	.00	.00	.00	.00	.28	.18	.10
Canning and preserving	.00	.00	.00	.00	.00	.00	.23	.21	.23
Grain mill	.00	.00	.00	.00	.00	.00	.19	.17	.16
Bakery	.00	.00	.00	.00	.00	.00	.20	.16	.14
Confectionery	.00	.00	.00	.00	.00	.00	.06	.05	.03
Beverages	.00	.00	.00	.00	.00	.00	.29	.24	.21
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.21	.19	.19
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.05	.03	.02
Textile mill products	.00	.00	.00	.00	.00	.00	.44	.37	.43
Knitting mills	.00	.00	.00	.00	.00	.00	.10	.09	.12
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.04	.03	.04
Floor coverings	.00	.00	.00	.00	.00	.00	.03	.03	.04
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.20	.16	.17
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.05	.04	.04
Apparel and textile products	.00	.00	.00	.00	.00	.00	.77	.69	.71
Apparel and accessories	.00	.00	.00	.00	.00	.00	.62	.54	.56
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.14	.14	.14
Paper and allied products	.00	.00	.00	.02	.01	.00	.54	.47	.52
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.18	.14	.13
Paperboard containers,boxes	.00	.00	.00	.01	.01	.00	.18	.15	.19
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.17	.17	.19
Printing and publishing	.00	.00	.00	.26	.18	.09	1.34	1.21	1.08
Newspaper publishing, printing	.00	.00	.00	.03	.02	.01	.41	.36	.32
Other printing,exc newspapers	.00	.00	.00	.23	.15	.07	.92	.85	.75
Chemicals and allied products	.00	.00	.00	.00	.00	.00	1.08	.96	1.05
Industrial chemicals	.00	.00	.00	.00	.00	.00	.29	.25	.28
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.10	.08	.09
Synthetic filters	.00	.00	.00	.00	.00	.00	.03	.03	.05
Drugs and medicines	.00	.00	.00	.00	.00	.00	.17	.18	.19
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.17	.15	.17
Paints and varnishes	.00	.00	.00	.00	.00	.00	.09	.08	.09
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.08	.07	.06
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.13	.08	.10
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.19	.17	.14
Petroleum refining	.00	.00	.00	.00	.00	.00	.13	.11	.07
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.05	.05	.06
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.48	.53	.46
Rubber	.00	.00	.00	.00	.00	.00	.18	.15	.14
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.30	.38	.31
Leather products	.00	.00	.00	.00	.00	.00	.17	.12	.08
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.01	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.08	.05	.03
All other leather	.00	.00	.00	.00	.00	.00	.06	.05	.04
Transportation, other public util	.02	.02	.02	.04	.04	.04	5.36	5.31	4.74
Transportation,total	.00	.00	.00	.01	.02	.04	3.41	3.24	3.04
Railroads and railway express	.00	.00	.00	.00	.00	.00	.97	.67	.54
Local and interurban transit	.00	.00	.00	.00	.00	.00	.12	.11	.12
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.09	.07	.09
Taxicab service	.00	.00	.00	.00	.00	.00	.02	.04	.03
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.95	1.07	.93
Trucking services	.00	.00	.00	.00	.00	.00	.77	.91	.76
Warehousing and storage	.00	.00	.00	.00	.00	.00	.17	.15	.16
Water transportation	.00	.00	.00	.00	.00	.00	.57	.47	.38
Air transportation	.00	.00	.00	.01	.02	.04	.27	.26	.27
Pipelines	.00	.00	.00	.00	.00	.00	.02	.01	.01
Transportation services	.00	.00	.00	.00	.00	.00	.49	.62	.77
Communicatns,utils,sanitary serv	.02	.02	.02	.03	.02	.00	1.95	2.06	1.69
Communications	.02	.02	.02	.03	.02	.00	1.17	1.27	.88
Telephone(wire and radio)	.02	.02	.02	.03	.02	.00	.75	.83	.43
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.09	.10	.09
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.31	.33	.35
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.78	.78	.81
Electric light and power	.00	.00	.00	.00	.00	.00	.22	.25	.21
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.13	.11	.12
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.16	.13	.12
Water supply	.00	.00	.00	.00	.00	.00	.16	.17	.20
Sanitary services	.00	.00	.00	.00	.00	.00	.09	.10	.13
Wholesale and retail trade	.00	.00	.00	.20	.18	.18	38.28	36.93	37.16
Wholesale trade	.00	.00	.00	.13	.11	.08	9.54	9.19	7.88

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Social workers			Vocation, education, counselors			Managers, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	.10	.08	.04	6.40	6.29	5.32
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.92	.93	.90
Drugs, chemicals, allied product	.00	.00	.00	.00	.00	.00	.51	.46	.41
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.39	.32	.27
Food and related products	.00	.00	.00	.00	.00	.00	1.09	.98	.78
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.47	.48	.26
Electrical goods	.00	.00	.00	.00	.00	.00	.77	.71	.67
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.42	.40	.34
Machinery equipment, supplies	.00	.00	.00	.09	.08	.03	1.80	1.96	1.65
Miscellaneous wholesale trade	.00	.00	.00	.03	.03	.04	3.14	2.90	2.56
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.27	.23	.21
Petroleum products	.00	.00	.00	.00	.00	.00	.53	.50	.42
Scrap and waste material	.00	.00	.00	.00	.00	.00	.26	.25	.14
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.21	.23	.19
Paper and paper products	.00	.00	.00	.00	.00	.00	.28	.23	.25
Lumber, construction materials	.00	.00	.00	.00	.00	.00	.36	.31	.29
Other wholesale trade	.00	.00	.00	.03	.03	.04	1.20	1.12	1.05
Retail trade	.00	.00	.00	.07	.06	.09	28.73	27.74	29.28
Building materials	.00	.00	.00	.00	.00	.00	1.66	1.56	1.38
Lumber, building material	.00	.00	.00	.00	.00	.00	.95	.96	.77
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.70	.60	.61
General merchandise, total	.00	.00	.00	.02	.01	.00	4.71	4.53	6.02
Department stores, mail order	.00	.00	.00	.00	.00	.00	2.85	2.89	3.99
Limited price stores	.00	.00	.00	.00	.00	.00	.75	.61	.60
Vending machine operators	.00	.00	.00	.00	.00	.00	.14	.13	.19
Direct selling	.00	.00	.00	.00	.00	.00	.18	.20	.13
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.78	.69	1.09
Food and dairy stores	.00	.00	.00	.00	.00	.00	4.94	4.40	5.17
Grocery stores	.00	.00	.00	.00	.00	.00	4.48	3.93	4.70
Dairy products	.00	.00	.00	.00	.00	.00	.08	.09	.09
Retail bakeries	.00	.00	.00	.00	.00	.00	.11	.12	.13
Food stores, other	.00	.00	.00	.00	.00	.00	.25	.26	.25
Auto dealers, gas stations	.00	.00	.00	.00	.00	.00	4.89	4.30	4.28
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	1.72	1.61	1.17
Tire, battery, accessory dealers	.00	.00	.00	.00	.00	.00	.52	.64	.67
Gasoline service stations	.00	.00	.00	.00	.00	.00	2.39	1.73	2.11
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.24	.29	.32
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	1.99	1.98	1.94
Apparel, accessory, except shoes	.00	.00	.00	.00	.00	.00	1.56	1.55	1.51
Shoe stores	.00	.00	.00	.00	.00	.00	.43	.43	.43
Furniture and appliance stores	.00	.00	.00	.01	.01	.01	1.42	1.35	1.35
Home furnishings	.00	.00	.00	.00	.00	.00	.86	.78	.76
Household appliances, tv, radio	.00	.00	.00	.01	.01	.01	.56	.57	.58
Eating and drinking places	.00	.00	.00	.01	.01	.00	5.57	5.53	5.13
Miscellaneous retail trade	.00	.00	.00	.02	.03	.08	3.51	4.04	3.98
Drug stores	.00	.00	.00	.00	.00	.00	.37	.30	.23
Liquor stores	.00	.00	.00	.00	.00	.00	.46	.51	.51
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.35	.39	.37
Jewelry stores	.00	.00	.00	.00	.00	.00	.29	.29	.29
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.28	.22	.16
Retail florists	.00	.00	.00	.00	.00	.00	.24	.22	.40
Misc retail trade stores	.00	.00	.00	.02	.03	.08	1.50	2.08	1.98
Finance, insurance and real estate	.14	.20	.16	.15	.13	.11	9.87	10.01	11.81
Finance, total	.00	.00	.00	.05	.05	.07	5.67	5.86	7.24
Banking	.00	.00	.00	.01	.01	.00	3.36	3.40	4.18
Credit agencies	.00	.00	.00	.03	.03	.05	1.77	1.91	2.51
Stock brokers, investment cos	.00	.00	.00	.01	.01	.01	.53	.54	.55
Insurance	.00	.00	.00	.04	.02	.00	2.13	1.92	2.37
Real estate	.14	.20	.16	.05	.05	.04	2.06	2.23	2.19
Services, total	85.86	84.87	87.04	92.41	93.94	94.82	17.26	19.80	20.92

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Social workers			Vocation, education counselors			Managers, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.08	.10	.11	.10	.08	.09	2.03	2.10	2.09
Hotels and motels	.01	.02	.03	.02	.01	.00	1.44	1.69	1.57
Other lodging places	.07	.07	.08	.08	.07	.09	.58	.41	.51
Other personal services	.00	.00	.00	.01	.01	.01	1.92	1.76	1.24
Laundering and cleaning	.00	.00	.00	.00	.00	.00	1.21	1.00	.66
Beauty shops	.00	.00	.00	.00	.00	.00	.02	.05	.04
Barber shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.02	.05	.02
Misc personal services	.00	.00	.00	.01	.01	.01	.66	.63	.50
Miscellaneous business services	.11	.15	.17	.81	.92	1.32	2.48	3.12	4.06
Advertising	.00	.00	.00	.00	.00	.00	.35	.31	.24
Business management services	.05	.05	.06	.18	.17	.22	.35	.42	.59
Commercial research, development	.00	.01	.01	.01	.01	.00	.09	.11	.18
Computer programing	.00	.00	.00	.00	.00	.00	.18	.23	.41
Detective and protective serv	.02	.03	.04	.00	.00	.00	.09	.17	.28
Employment, temporary help	.00	.00	.00	.51	.63	.98	.32	.44	.56
Services to buildings	.00	.00	.00	.00	.00	.00	.20	.24	.32
Other business services	.03	.04	.04	.08	.09	.09	.87	1.17	1.45
Automobile services	.00	.00	.00	.01	.01	.01	.65	.84	.83
Automobile repair	.00	.00	.00	.00	.00	.00	.29	.46	.40
Automobile services, exc repair	.00	.00	.00	.01	.01	.01	.35	.37	.42
Other repair services	.00	.00	.00	.00	.00	.00	.28	.35	.29
Electrical repair	.00	.00	.00	.00	.00	.00	.11	.10	.08
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.16	.25	.20
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.50	.38	.56
Miscellaneous entertainment	.07	.09	.05	.02	.03	.06	.69	1.09	1.14
Bowling alleys, billiards	.00	.00	.00	.00	.00	.00	.22	.25	.17
Other entertainment	.07	.09	.05	.02	.03	.06	.46	.84	.96
Medical and other health service	10.14	12.63	16.28	2.22	3.10	3.71	1.79	2.43	3.19
Offices of physicians	.21	.14	.16	.01	.01	.00	.07	.09	.12
Offices of dentists	.00	.00	.00	.00	.00	.00	.03	.03	.05
Hospitals	7.10	7.56	9.82	.85	.80	1.05	1.04	1.19	1.53
Convalescent institutions	.57	.83	2.16	.17	.21	.56	.36	.50	.88
Other health practitioners	.02	.02	.05	.02	.01	.01	.00	.00	.00
Other health services	2.22	4.06	4.07	1.15	2.06	2.07	.27	.59	.59
Legal services	.03	.03	.04	.00	.00	.00	.03	.03	.01
Educational services	5.48	6.37	4.62	85.24	86.02	85.46	4.36	5.01	4.67
Elementary and secondary school	4.21	5.06	3.55	50.87	53.04	48.97	2.98	3.50	3.05
Colleges and universities	.63	.60	.47	25.39	23.36	26.14	1.15	1.22	1.25
Libraries	.00	.00	.00	.00	.00	.00	.00	.01	.03
Other educational services	.64	.70	.60	8.97	9.61	10.34	.22	.27	.34
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.03	.04	.08
Nonprofit organizations	69.56	65.10	65.44	3.29	3.06	3.29	1.87	1.86	1.96
Religious organizations	.64	.68	.41	1.54	1.52	1.30	.08	.09	.07
Welfare services	66.70	61.87	61.50	1.07	.91	1.23	.50	.50	.65
Residential welfare services	1.32	1.66	2.81	.18	.21	.46	.02	.03	.05
Nonprofit membership organiztns	.89	.88	.71	.48	.41	.30	1.27	1.23	1.17
Private households	.04	.05	.02	.01	.02	.05	.00	.00	.00
Other professional services	.32	.32	.28	.67	.66	.78	.58	.73	.73
Engineering and architectural	.00	.00	.00	.00	.00	.00	.26	.35	.30
Accounting and auditing	.00	.00	.00	.01	.00	.00	.15	.20	.24
Miscellaneous professional serv	.32	.32	.28	.66	.65	.78	.15	.17	.18
Government, total	13.96	14.89	12.76	6.59	5.28	4.54	6.30	5.31	5.18
Federal public administration	3.11	2.47	1.15	2.10	1.46	2.58	3.18	2.29	2.26
Postal services	.00	.00	.00	.00	.00	.00	.54	.37	.41
Federal pub adm, exc post office	3.11	2.47	1.15	2.10	1.46	2.58	2.64	1.91	1.85
State public administration	4.03	4.76	5.04	3.84	3.35	1.81	1.19	1.25	1.15
Local public administration	6.80	7.65	6.56	.63	.46	.13	1.92	1.76	1.76

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, sales, loan managers			Bank, financial managers			Credit managers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.11	.16	.12	.03	.02	.01	.04	.03	.00
Agriculture	.08	.12	.10	.02	.01	.01	.04	.03	.00
Agricultural production	.02	.05	.04	.00	.00	.00	.01	.01	.00
Services, except horticulture	.03	.04	.03	.01	.01	.01	.01	.01	.00
Horticultural services	.02	.03	.02	.00	.00	.00	.00	.00	.00
Forestry	.02	.02	.01	.01	.01	.00	.00	.00	.00
Mining	.48	.57	.43	.14	.14	.06	.32	.43	.41
Metal	.03	.03	.02	.02	.01	.01	.00	.00	.00
Coal	.02	.03	.03	.01	.01	.00	.01	.00	.00
Crude petroleum and natural gas	.36	.46	.34	.08	.09	.03	.24	.34	.33
Nonmetallic mining and quarrying	.05	.04	.03	.03	.02	.00	.07	.07	.08
Construction	1.25	1.27	1.57	.44	.40	.30	.49	.46	.31
General building contractors	.26	.26	.27	.15	.13	.09	.10	.10	.11
General contractors, exc building	.57	.52	.65	.14	.12	.08	.09	.06	.00
Special trade contractors	.41	.48	.64	.13	.14	.12	.30	.29	.19
Manufacturing	18.23	15.43	13.85	6.17	4.59	2.86	17.38	14.55	12.71
Durable goods	10.36	9.20	9.20	3.81	2.94	2.00	8.50	7.53	7.07
Ordnance	.25	.10	.08	.17	.07	.05	.02	.00	.00
Lumber and wood products	.33	.26	.18	.07	.05	.01	.25	.24	.30
Logging	.02	.02	.01	.00	.00	.00	.01	.00	.00
Sawmill, planing and mill work	.23	.18	.12	.05	.03	.00	.22	.22	.30
Miscellaneous wood products	.07	.06	.04	.01	.01	.01	.02	.01	.00
Furniture and fixtures	.34	.30	.25	.09	.07	.04	.54	.50	.50
Stone, clay, and glass products	.51	.41	.25	.19	.14	.06	.80	.73	.67
Glass and glass products	.10	.08	.05	.05	.04	.01	.07	.05	.03
Cement, concrete, plaster	.21	.17	.10	.07	.05	.02	.50	.46	.45
Structural clay products	.03	.02	.01	.01	.00	.00	.07	.05	.04
Pottery and related products	.02	.01	.01	.00	.00	.00	.02	.02	.03
Miscellaneous nonmetallic, stone	.13	.11	.07	.04	.03	.01	.12	.12	.10
Primary metal industries	.70	.55	.46	.27	.20	.13	.80	.66	.59
Blast furnaces, steel works	.20	.14	.10	.05	.03	.02	.31	.24	.25
Other primary steel	.20	.15	.12	.08	.06	.04	.19	.19	.18
Primary aluminum	.10	.10	.08	.03	.03	.02	.13	.12	.08
Other primary nonferrous	.18	.15	.15	.08	.06	.04	.15	.11	.07
Fabricated metal products	1.37	1.24	1.15	.42	.34	.21	1.32	1.22	1.31
Cutlery and other hardware	.17	.16	.16	.06	.05	.03	.19	.21	.30
Fabricated structural metal	.48	.42	.32	.14	.11	.05	.49	.50	.70
Screw machine products	.10	.10	.10	.02	.02	.01	.05	.05	.07
Metal stamping	.19	.16	.15	.05	.04	.02	.21	.17	.12
Miscellaneous fabricated metal	.40	.39	.41	.12	.10	.08	.36	.27	.10
Machinery except electrical	2.33	2.30	2.71	.82	.72	.59	1.66	1.50	1.32
Engines and turbines	.09	.09	.09	.03	.03	.01	.04	.05	.08
Farm machinery and equipment	.15	.12	.08	.06	.04	.02	.23	.17	.06
Construction machines	.37	.37	.34	.12	.11	.08	.25	.24	.19
Metalworking machinery	.32	.32	.40	.11	.10	.07	.18	.17	.19
Office and accounting machines	.11	.06	.04	.04	.02	.00	.09	.06	.06
Electronic computing equipment	.26	.31	.55	.13	.13	.15	.06	.07	.08
Other machinery, exc electrical	1.00	.99	1.19	.30	.27	.23	.78	.71	.64
Electrical machinery	1.99	1.80	2.00	.78	.62	.48	1.44	1.04	.53
Household appliances	.18	.14	.12	.05	.03	.03	.25	.18	.13
Radio, tv communications equip	.62	.48	.42	.27	.19	.14	.45	.29	.13
Other electrical machinery	1.18	1.17	1.45	.45	.38	.31	.73	.55	.25
Transportation equipment	1.48	1.21	1.11	.66	.43	.23	.44	.50	.70
Motor vehicles and equipment	.46	.43	.36	.18	.14	.09	.21	.20	.17
Aircraft and parts	.67	.42	.22	.36	.20	.05	.06	.06	.10
Ship, boat building and repair	.13	.11	.08	.06	.04	.02	.05	.07	.08
Railroad equipment	.03	.03	.03	.00	.00	.00	.02	.01	.00
Mobile dwellings	.13	.14	.33	.03	.03	.04	.03	.05	.21
Cycles, misc transportation	.03	.04	.06	.00	.01	.01	.05	.08	.13
Professional, scientific instrs	.59	.62	.69	.18	.16	.12	.49	.47	.47
Scientific instruments	.27	.25	.25	.06	.04	.02	.17	.12	.05
Optical, health serv supplies	.18	.24	.32	.05	.06	.06	.15	.16	.09
Photo equipment and supplies	.10	.09	.10	.03	.03	.02	.12	.14	.32
Watches and clock devices	.03	.02	.01	.02	.01	.00	.04	.03	.01
Miscellaneous manufacturing	.45	.36	.28	.14	.09	.04	.70	.62	.65
Nondurable goods	7.86	6.23	4.64	2.36	1.65	.85	8.88	7.01	5.64

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, sales, loan managers			Bank, financial managers			Credit managers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.20	1.60	1.11	.50	.31	.11	2.33	1.80	1.64
Meat	.42	.31	.25	.06	.04	.01	.33	.25	.12
Dairy	.29	.16	.09	.08	.04	.01	.62	.40	.30
Canning and preserving	.27	.20	.14	.07	.05	.01	.20	.19	.28
Grain mill	.19	.15	.10	.03	.02	.01	.26	.18	.06
Bakery	.28	.21	.15	.07	.04	.01	.15	.13	.16
Confectionery	.07	.05	.02	.01	.00	.00	.10	.08	.08
Beverages	.38	.29	.21	.09	.05	.01	.28	.25	.33
Miscellaneous food preparation	.25	.19	.12	.06	.04	.01	.34	.29	.27
Tobacco manufacturing	.10	.06	.02	.01	.00	.00	.05	.03	.00
Textile mill products	.37	.27	.24	.19	.13	.09	.49	.39	.45
Knitting mills	.06	.05	.05	.04	.03	.02	.08	.07	.10
Dyeing,finishing textiles	.02	.02	.01	.02	.01	.01	.00	.00	.00
Floor coverings	.04	.03	.03	.01	.01	.01	.11	.09	.12
Yarn and fabric mills	.18	.12	.10	.09	.05	.02	.26	.21	.22
Miscellaneous textile mill	.05	.04	.03	.01	.01	.01	.02	.01	.00
Apparel and textile products	.61	.47	.31	.28	.19	.08	1.02	.74	.40
Apparel and accessories	.52	.39	.26	.24	.16	.07	.90	.64	.32
Miscellaneous fabricated textile	.08	.07	.04	.04	.03	.00	.11	.10	.08
Paper and allied products	.70	.53	.40	.22	.13	.05	.59	.46	.46
Pulp,paper paperboard mills	.24	.16	.11	.08	.04	.01	.18	.14	.15
Paperboard containers,boxes	.23	.16	.13	.08	.04	.02	.19	.11	.05
Miscellaneous paper and pulp	.22	.19	.16	.05	.04	.01	.22	.21	.25
Printing and publishing	1.54	1.30	.87	.30	.20	.07	1.08	.86	.63
Newspaper publishing, printing	.78	.71	.54	.05	.04	.02	.43	.29	.09
Other printing,exc newspapers	.75	.58	.32	.24	.16	.04	.65	.57	.53
Chemicals and allied products	1.38	1.17	1.14	.47	.35	.24	1.75	1.46	1.26
Industrial chemicals	.37	.31	.33	.16	.12	.08	.35	.28	.27
Plastics and synthetics	.10	.08	.09	.03	.02	.03	.07	.05	.03
Synthetic fibers	.03	.02	.02	.01	.01	.01	.00	.00	.00
Drugs and medicines	.25	.25	.22	.09	.07	.03	.34	.33	.27
Soaps and cosmetics	.24	.21	.20	.06	.04	.03	.21	.18	.16
Paints and varnishes	.13	.10	.09	.03	.02	.01	.40	.32	.28
Agricultural chemicals	.09	.08	.06	.02	.02	.01	.23	.21	.15
Miscellaneous chemicals	.13	.09	.10	.03	.02	.02	.13	.08	.07
Petroleum and coal products	.22	.17	.09	.08	.06	.02	.57	.46	.25
Petroleum refining	.17	.12	.05	.08	.05	.01	.44	.33	.12
Misc petroleum,coal products	.05	.04	.03	.00	.00	.00	.13	.12	.12
Rubber,miscellaneous plastics	.53	.52	.36	.21	.21	.14	.70	.61	.38
Rubber	.24	.19	.16	.09	.07	.06	.48	.36	.25
Miscellaneous plastics	.28	.33	.20	.12	.13	.07	.21	.24	.12
Leather products	.18	.11	.07	.05	.03	.02	.25	.17	.12
Leather tanning and finishing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.10	.06	.03	.03	.01	.00	.15	.09	.04
All other leather	.07	.05	.04	.02	.01	.01	.10	.08	.07
Transportation, other public util	1.91	1.69	1.30	.95	.75	.39	1.92	1.77	1.35
Transportation,total	.91	.80	.61	.49	.38	.21	.59	.59	.56
Railroads and railway express	.15	.09	.04	.04	.02	.01	.07	.05	.03
Local and interurban transit	.02	.01	.03	.01	.01	.02	.02	.02	.10
Street railways and bus lines	.02	.01	.03	.01	.01	.02	.02	.02	.10
Trucking and warehousing	.29	.27	.17	.15	.12	.06	.30	.29	.19
Trucking services	.24	.23	.14	.13	.11	.05	.27	.27	.18
Warehousing and storage	.04	.03	.02	.01	.01	.00	.02	.01	.00
Water transportation	.10	.08	.03	.05	.03	.00	.04	.05	.08
Air transportation	.22	.20	.15	.16	.12	.05	.09	.09	.08
Pipelines	.02	.02	.01	.01	.00	.00	.00	.00	.00
Transportation services	.08	.11	.15	.04	.05	.04	.05	.06	.06
Communicatns,utils,sanitary serv	.99	.89	.68	.45	.37	.18	1.33	1.18	.79
Communications	.45	.42	.33	.24	.19	.07	.22	.23	.15
Telephone(wire and radio)	.24	.20	.12	.13	.09	.01	.12	.11	.11
Telegraph,misc communicatn serv	.03	.03	.02	.02	.02	.01	.05	.08	.02
Radio and tv broadcasting	.18	.18	.18	.08	.06	.05	.05	.03	.01
Utilities and sanitary services	.54	.46	.35	.21	.18	.10	1.10	.95	.64
Electric light and power	.22	.22	.14	.07	.07	.03	.42	.41	.27
Electric-gas utilities	.14	.10	.09	.05	.04	.02	.31	.25	.17
Gas steam supply systems	.13	.10	.08	.05	.03	.02	.30	.24	.19
Water supply	.02	.01	.01	.01	.01	.01	.04	.03	.00
Sanitary services	.01	.01	.00	.01	.01	.01	.01	.01	.00
Wholesale and retail trade	44.16	43.14	40.77	3.71	3.40	2.30	53.65	53.97	49.66
Wholesale trade	14.27	13.39	10.62	1.92	1.70	1.10	19.86	18.70	15.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, sales, loan managers			Bank, financial managers			Credit managers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	10.36	9.82	7.47	1.32	1.20	.78	12.81	12.52	10.50
Motor vehicles and equipment	1.14	1.12	.90	.14	.12	.07	1.69	1.74	1.62
Drugs,chemicals,allied product	.96	.86	.66	.12	.10	.06	1.67	1.51	1.25
Dry goods and apparel	.65	.51	.38	.10	.08	.04	.83	.62	.36
Food and related products	1.58	1.39	1.05	.18	.15	.09	1.09	1.01	.80
Farm products-raw materials	1.43	1.28	.73	.01	.02	.00	.13	.17	.09
Electrical goods	1.40	1.28	1.12	.25	.21	.13	2.74	2.55	2.42
Hardware and plumbing	.66	.60	.44	.09	.08	.06	1.47	1.41	1.07
Machinery equipment,supplies	2.51	2.75	2.15	.39	.42	.31	3.17	3.47	2.86
Miscellaneous wholesale trade	3.90	3.56	3.15	.60	.50	.31	7.05	6.17	4.91
Metals and minerals, other	.47	.39	.33	.07	.05	.03	.91	.75	.61
Petroleum products	.45	.38	.20	.08	.06	.01	1.62	1.41	.81
Scrap and waste material	.21	.22	.15	.03	.03	.01	.01	.01	.00
Alcoholic beverages	.29	.33	.26	.04	.04	.02	.37	.39	.28
Paper and paper products	.51	.39	.38	.05	.04	.03	.94	.71	.60
Lumber,construction materials	.45	.43	.54	.06	.06	.05	1.07	.96	.98
Other wholesale trade	1.49	1.40	1.26	.23	.20	.12	2.10	1.93	1.61
Retail trade	29.89	29.75	30.15	1.78	1.69	1.20	33.78	35.27	34.24
Building materials	1.43	1.13	.49	.09	.07	.02	2.59	2.71	2.02
Lumber,building material	.91	.75	.27	.05	.04	.01	2.23	2.41	1.74
Hardware and farm equipment	.52	.37	.21	.04	.03	.01	.35	.30	.28
General merchandise,total	12.27	12.08	14.82	.56	.52	.49	13.25	13.51	16.48
Department stores,mail order	9.44	9.86	12.59	.45	.44	.41	10.40	11.07	13.57
Limited price stores	1.20	.80	.44	.03	.02	.01	1.67	1.40	1.53
Vending machine operators	.09	.09	.12	.02	.02	.01	.06	.06	.14
Direct selling	.46	.39	.24	.00	.00	.00	.20	.14	.14
Miscellaneous merchandise store	1.06	.93	1.41	.04	.03	.04	.90	.81	1.08
Food and dairy stores	4.78	4.91	5.49	.14	.13	.10	.65	.60	.43
Grocery stores	4.47	4.57	5.14	.13	.12	.10	.56	.51	.36
Dairy products	.04	.05	.04	.00	.00	.00	.03	.03	.03
Retail bakeries	.06	.07	.06	.00	.00	.00	.02	.02	.03
Food stores, other	.19	.21	.22	.00	.00	.00	.02	.02	.01
Auto dealers,gas stations	3.01	3.23	2.83	.40	.41	.33	5.46	6.56	6.75
Motor vehicle dealers	1.97	2.01	1.58	.31	.30	.23	1.65	1.53	.99
Tire,battery,accessory dealrs	.59	.68	.72	.04	.06	.06	3.31	4.42	5.26
Gasoline service stations	.18	.18	.12	.01	.01	.01	.42	.49	.33
Miscellaneous vehicle dealers	.27	.35	.40	.01	.02	.02	.07	.11	.16
Apparel and accessory stores	3.28	2.94	1.82	.18	.16	.07	4.30	4.19	2.49
Apparel,accessory,except shoes	2.70	2.39	1.38	.15	.13	.05	4.05	3.98	2.39
Shoe stores	.58	.54	.44	.02	.02	.01	.25	.21	.10
Furniture and appliance stores	1.49	1.26	.71	.12	.10	.03	3.66	3.33	1.96
Home furnishings	.94	.73	.43	.07	.06	.02	3.02	2.69	1.67
Household appliances,tv,radio	.54	.52	.28	.05	.04	.01	.64	.63	.28
Eating and drinking places	.48	.83	.76	.10	.13	.04	.27	.85	1.88
Miscellaneous retail trade	3.11	3.34	3.19	.16	.14	.09	3.57	3.50	2.19
Drug stores	.56	.44	.32	.03	.02	.01	.23	.20	.19
Liquor stores	.23	.22	.10	.00	.00	.00	.03	.04	.03
Farm,garden supply stores	.28	.32	.28	.01	.01	.01	.21	.26	.23
Jewelry stores	.34	.31	.14	.01	.01	.00	1.68	1.74	.71
Fuel and ice dealers	.21	.12	.04	.01	.00	.00	.89	.63	.41
Retail florists	.02	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	1.43	1.88	2.28	.07	.08	.06	.51	.59	.60
Finance,insurance and real estate	27.87	31.22	34.12	85.21	87.05	90.50	17.31	17.56	21.04
Finance,total	25.69	29.31	32.48	83.50	85.75	89.43	16.51	16.88	20.35
Banking	18.21	20.45	21.21	61.04	61.03	59.51	4.88	4.54	4.85
Credit agencies	7.06	8.53	11.04	21.78	24.23	29.71	11.17	11.90	14.90
Stock brokers,investment cos	.41	.33	.22	.68	.49	.20	.46	.43	.59
Insurance	1.67	1.38	1.17	1.14	.79	.69	.59	.42	.21
Real estate	.50	.52	.46	.55	.50	.37	.19	.25	.47
Services, total	4.16	5.01	6.45	2.92	3.25	3.20	8.85	11.19	14.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, sales, loan managers			Bank, financial managers			Credit managers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.18	.22	.17	.00	.00	.00	.42	.52	.37
Hotels and motels	.18	.22	.17	.00	.00	.00	.42	.52	.37
Other personal services	.18	.21	.20	.00	.00	.00	.38	.52	.51
Laundering and cleaning	.12	.07	.04	.00	.00	.00	.16	.11	.12
Beauty shops	.00	.04	.06	.00	.00	.00	.02	.03	.00
Misc personal services	.05	.10	.10	.00	.00	.00	.19	.37	.39
Miscellaneous business services	1.32	1.68	2.32	.75	.86	.83	4.20	5.38	5.11
Advertising	.17	.13	.08	.08	.06	.03	.15	.12	.06
Business management services	.20	.26	.38	.30	.34	.35	.08	.09	.08
Commercial research, development	.06	.08	.16	.04	.05	.07	.01	.01	.00
Computer programming	.11	.15	.26	.09	.10	.12	.00	.00	.00
Detective and protective serv	.03	.06	.10	.00	.00	.00	.00	.00	.00
Employment, temporary help	.08	.12	.21	.00	.00	.00	.38	.51	.48
Services to buildings	.06	.09	.22	.00	.00	.00	.03	.03	.00
Other business services	.59	.75	.89	.22	.29	.25	3.52	4.60	4.48
Automobile services	.11	.14	.14	.00	.00	.00	.23	.27	.28
Automobile repair	.02	.03	.02	.00	.00	.00	.05	.09	.10
Automobile services, exc repair	.09	.10	.12	.00	.00	.00	.18	.17	.18
Other repair services	.06	.07	.07	.00	.00	.00	.08	.08	.05
Electrical repair	.03	.02	.03	.00	.00	.00	.05	.04	.03
Other repair, exc electrical	.02	.04	.04	.00	.00	.00	.02	.04	.02
Motion pictures and theaters	.07	.05	.06	.00	.00	.00	.03	.02	.02
Miscellaneous entertainment	.09	.15	.12	.09	.12	.07	.04	.06	.02
Bowling alleys, billiards	.02	.02	.01	.04	.03	.01	.01	.01	.02
Other entertainment	.07	.13	.11	.05	.08	.06	.03	.04	.00
Medical and other health service	.92	1.06	1.68	.80	.99	1.22	2.96	3.75	7.39
Hospitals	.82	.85	1.32	.67	.73	.95	2.88	3.61	7.39
Convalescent institutions	.03	.05	.20	.02	.04	.11	.01	.01	.00
Other health services	.06	.15	.16	.09	.21	.14	.06	.12	.00
Legal services	.00	.00	.01	.01	.01	.01	.03	.07	.14
Educational services	.65	.74	.90	.57	.54	.46	.23	.20	.11
Elementary and secondary school	.17	.23	.25	.08	.11	.12	.03	.02	.00
Colleges and universities	.39	.40	.46	.44	.38	.29	.09	.06	.00
Libraries	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other educational services	.08	.09	.17	.04	.04	.04	.10	.11	.11
Museums, art galleries, zoos	.01	.02	.04	.01	.01	.02	.00	.00	.00
Nonprofit organizations	.26	.27	.30	.37	.34	.27	.09	.12	.21
Religious organizations	.04	.06	.06	.07	.07	.06	.00	.00	.00
Welfare services	.07	.06	.07	.14	.11	.09	.00	.00	.00
Residential welfare services	.00	.01	.03	.00	.00	.01	.00	.00	.00
Nonprofit membership organiztns	.13	.14	.13	.16	.15	.10	.09	.12	.21
Private households	.00	.00	.00	.00	.00	.01	.00	.00	.00
Other professional services	.26	.35	.38	.29	.34	.27	.11	.15	.21
Engineering and architectural	.12	.18	.20	.12	.17	.15	.02	.04	.08
Accounting and auditing	.06	.08	.06	.09	.10	.05	.07	.09	.08
Miscellaneous professional serv	.07	.08	.11	.07	.06	.07	.01	.02	.04
Government, total	1.79	1.48	1.35	.40	.34	.35	.00	.00	.00
Federal public administration	1.32	1.00	.94	.33	.28	.33	.00	.00	.00
Postal services	.01	.01	.01	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	1.30	.99	.93	.33	.28	.33	.00	.00	.00
State public administration	.24	.24	.19	.06	.05	.01	.00	.00	.00
Local public administration	.22	.22	.20	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, shippers, farm products			Buyers, wholesale, retail trade			Purchasing agents, buyers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.00	.00	.00	.47	.76	.63
Agriculture	.00	.00	.00	.00	.00	.00	.32	.56	.51
Agricultural production	.00	.00	.00	.00	.00	.00	.10	.26	.21
Services, except horticulture	.00	.00	.00	.00	.00	.00	.16	.20	.18
Horticultural services	.00	.00	.00	.00	.00	.00	.05	.09	.10
Forestry	.00	.00	.00	.00	.00	.00	.12	.16	.07
Fisheries	.00	.00	.00	.00	.00	.00	.02	.03	.04
Mining	.00	.00	.00	.00	.00	.00	2.62	3.46	2.64
Metal	.00	.00	.00	.00	.00	.00	.19	.17	.15
Coal	.00	.00	.00	.00	.00	.00	.15	.20	.21
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	2.06	2.88	2.14
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.20	.19	.13
Construction	.00	.00	.00	.00	.00	.00	6.82	7.62	9.96
General building contractors	.00	.00	.00	.00	.00	.00	.97	1.10	1.32
General contractors, exc building	.00	.00	.00	.00	.00	.00	3.88	3.95	5.21
Special trade contractors	.00	.00	.00	.00	.00	.00	1.95	2.56	3.42
Manufacturing	16.58	12.91	18.73	.00	.00	.00	56.59	51.26	45.21
Durable goods	.00	.00	.00	.00	.00	.00	39.90	37.53	35.94
Ordnance	.00	.00	.00	.00	.00	.00	1.41	.67	.48
Lumber and wood products	.00	.00	.00	.00	.00	.00	1.47	1.26	.74
Logging	.00	.00	.00	.00	.00	.00	.18	.19	.09
Sawmill, planing and mill work	.00	.00	.00	.00	.00	.00	.98	.81	.48
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.30	.25	.16
Furniture and fixtures	.00	.00	.00	.00	.00	.00	1.14	1.05	.79
Stone, clay, and glass products	.00	.00	.00	.00	.00	.00	1.31	1.09	.53
Glass and glass products	.00	.00	.00	.00	.00	.00	.32	.27	.14
Cement, concrete, plaster	.00	.00	.00	.00	.00	.00	.48	.40	.17
Structural clay products	.00	.00	.00	.00	.00	.00	.08	.05	.02
Pottery and related products	.00	.00	.00	.00	.00	.00	.08	.06	.03
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	.33	.29	.15
Primary metal industries	.00	.00	.00	.00	.00	.00	2.38	2.00	1.57
Blast furnaces, steel works	.00	.00	.00	.00	.00	.00	.72	.52	.34
Other primary steel	.00	.00	.00	.00	.00	.00	.68	.54	.33
Primary aluminum	.00	.00	.00	.00	.00	.00	.34	.35	.30
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.63	.58	.59
Fabricated metal products	.00	.00	.00	.00	.00	.00	4.93	4.78	4.18
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.50	.51	.45
Fabricated structural metal	.00	.00	.00	.00	.00	.00	1.82	1.66	1.07
Screw machine products	.00	.00	.00	.00	.00	.00	.46	.47	.49
Metal stamping	.00	.00	.00	.00	.00	.00	.82	.77	.74
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	1.30	1.35	1.41
Machinery except electrical	.00	.00	.00	.00	.00	.00	8.36	8.94	10.44
Engines and turbines	.00	.00	.00	.00	.00	.00	.45	.51	.50
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.45	.41	.24
Construction machines	.00	.00	.00	.00	.00	.00	1.47	1.58	1.44
Metalworking machinery	.00	.00	.00	.00	.00	.00	1.17	1.25	1.54
Office and accounting machines	.00	.00	.00	.00	.00	.00	.30	.19	.12
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.98	1.22	2.18
Other machinery, exc electrical	.00	.00	.00	.00	.00	.00	3.51	3.75	4.39
Electrical machinery	.00	.00	.00	.00	.00	.00	8.12	7.96	8.83
Household appliances	.00	.00	.00	.00	.00	.00	.54	.45	.38
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	2.99	2.60	2.36
Other electrical machinery	.00	.00	.00	.00	.00	.00	4.59	4.90	6.08
Transportation equipment	.00	.00	.00	.00	.00	.00	7.40	6.42	5.32
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	1.88	1.91	1.46
Aircraft and parts	.00	.00	.00	.00	.00	.00	3.86	2.75	1.49
Ship, boat building and repair	.00	.00	.00	.00	.00	.00	.74	.67	.49
Railroad equipment	.00	.00	.00	.00	.00	.00	.16	.17	.13
Mobile dwellings	.00	.00	.00	.00	.00	.00	.61	.70	1.44
Cycles, misc transportation	.00	.00	.00	.00	.00	.00	.12	.19	.29
Professional, scientific instrs	.00	.00	.00	.00	.00	.00	2.14	2.32	2.41
Scientific instruments	.00	.00	.00	.00	.00	.00	1.11	1.12	1.09
Optical, health serv supplies	.00	.00	.00	.00	.00	.00	.55	.77	1.02
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.40	.37	.28
Watches and clock devices	.00	.00	.00	.00	.00	.00	.07	.05	.01
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	1.19	1.00	.60
Nondurable goods	16.58	12.91	18.73	.00	.00	.00	16.69	13.73	9.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, shippers, farm products			Buyers, wholesale, retail trade			Purchasing agents, buyers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	16.33	12.77	18.59	.00	.00	.00	4.14	3.17	1.62
Meat	9.51	8.00	12.42	.00	.00	.00	.85	.70	.36
Dairy	3.26	2.00	2.26	.00	.00	.00	.35	.21	.08
Canning and preserving	2.84	2.22	3.24	.00	.00	.00	.81	.63	.32
Grain mill	.65	.51	.66	.00	.00	.00	.48	.40	.24
Bakery	.05	.02	.00	.00	.00	.00	.39	.28	.15
Confectionery	.00	.00	.00	.00	.00	.00	.19	.13	.05
Beverages	.00	.00	.00	.00	.00	.00	.36	.27	.13
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.67	.52	.26
Tobacco manufacturing	.25	.14	.14	.00	.00	.00	.41	.24	.08
Textile mill products	.00	.00	.00	.00	.00	.00	1.04	.80	.65
Knitting mills	.00	.00	.00	.00	.00	.00	.19	.15	.13
Dyeing, finishing textiles	.00	.00	.00	.00	.00	.00	.05	.04	.02
Floor coverings	.00	.00	.00	.00	.00	.00	.08	.07	.09
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.54	.40	.29
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.16	.12	.09
Apparel and textile products	.00	.00	.00	.00	.00	.00	1.82	1.53	.96
Apparel and accessories	.00	.00	.00	.00	.00	.00	1.57	1.28	.77
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.25	.24	.18
Paper and allied products	.00	.00	.00	.00	.00	.00	1.78	1.47	1.24
Pulp, paper paperboard mills	.00	.00	.00	.00	.00	.00	.80	.60	.41
Paperboard containers, boxes	.00	.00	.00	.00	.00	.00	.43	.34	.33
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.55	.53	.48
Printing and publishing	.00	.00	.00	.00	.00	.00	1.45	1.16	.57
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.13	.11	.06
Other printing, exc newspapers	.00	.00	.00	.00	.00	.00	1.31	1.04	.50
Chemicals and allied products	.00	.00	.00	.00	.00	.00	3.37	2.94	2.70
Industrial chemicals	.00	.00	.00	.00	.00	.00	1.16	1.02	1.05
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.31	.26	.29
Synthetic fibers	.00	.00	.00	.00	.00	.00	.13	.10	.07
Drugs and medicines	.00	.00	.00	.00	.00	.00	.44	.43	.26
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.56	.50	.45
Paints and varnishes	.00	.00	.00	.00	.00	.00	.26	.22	.18
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.15	.14	.08
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.33	.23	.30
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.70	.59	.25
Petroleum refining	.00	.00	.00	.00	.00	.00	.55	.45	.17
Misc petroleum, coal products	.00	.00	.00	.00	.00	.00	.14	.13	.08
Rubber, miscellaneous plastics	.00	.00	.00	.00	.00	.00	1.30	1.35	.88
Rubber	.00	.00	.00	.00	.00	.00	.61	.51	.39
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.69	.84	.49
Leather products	.00	.00	.00	.00	.00	.00	.63	.45	.27
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.04	.02	.01
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.38	.25	.13
All other leather	.00	.00	.00	.00	.00	.00	.21	.17	.13
Transportation, other public util	.32	.27	.40	.00	.00	.00	5.49	5.08	3.60
Transportation, total	.32	.27	.40	.00	.00	.00	2.41	2.10	1.57
Railroads and railway express	.00	.00	.00	.00	.00	.00	.47	.27	.16
Local and interurban transit	.00	.00	.00	.00	.00	.00	.09	.06	.09
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.08	.05	.08
Trucking and warehousing	.32	.27	.40	.00	.00	.00	.54	.51	.36
Trucking services	.00	.00	.00	.00	.00	.00	.46	.44	.31
Warehousing and storage	.32	.27	.40	.00	.00	.00	.08	.07	.05
Water transportation	.00	.00	.00	.00	.00	.00	.37	.31	.13
Air transportation	.00	.00	.00	.00	.00	.00	.56	.52	.34
Pipelines	.00	.00	.00	.00	.00	.00	.15	.14	.08
Transportation services	.00	.00	.00	.00	.00	.00	.21	.27	.38
Communications, utils, sanitary serv	.00	.00	.00	.00	.00	.00	3.07	2.97	2.02
Communications	.00	.00	.00	.00	.00	.00	.67	.58	.29
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.51	.43	.22
Telegraph, misc communicatn serv	.00	.00	.00	.00	.00	.00	.06	.07	.03
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.09	.08	.04
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	2.40	2.39	1.73
Electric light and power	.00	.00	.00	.00	.00	.00	1.13	1.29	.87
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.59	.50	.38
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.50	.43	.35
Water supply	.00	.00	.00	.00	.00	.00	.09	.09	.08
Sanitary services	.00	.00	.00	.00	.00	.00	.06	.05	.02
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.01
Wholesale and retail trade	83.09	86.81	80.86	100.00	100.00	100.00	.00	.00	.00
Wholesale trade	83.09	86.81	80.86	34.52	32.18	27.93	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, shippers, farm products			Buyers, wholesale, retail trade			Purchasing agents, buyers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	83.09	86.81	80.86	23.85	22.35	18.46	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	3.14	3.05	2.84	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	1.67	1.49	1.22	.00	.00	.00
Dry goods and apparel	.00	.00	.00	2.80	2.24	1.80	.00	.00	.00
Food and related products	10.67	9.40	14.96	4.78	4.25	3.50	.00	.00	.00
Farm products-raw materials	72.41	77.41	65.90	.38	.41	.15	.00	.00	.00
Electrical goods	.00	.00	.00	3.38	3.11	2.87	.00	.00	.00
Hardware and plumbing	.00	.00	.00	2.60	2.51	2.07	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	5.06	5.26	3.97	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	10.67	9.83	9.47	.00	.00	.00
Metals and minerals, other	.00	.00	.00	1.30	1.10	1.07	.00	.00	.00
Petroleum products	.00	.00	.00	.45	.37	.15	.00	.00	.00
Scrap and waste material	.00	.00	.00	1.60	1.74	1.48	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.19	.20	.15	.00	.00	.00
Paper and paper products	.00	.00	.00	1.49	1.17	1.18	.00	.00	.00
Lumber, construction materials	.00	.00	.00	1.26	1.22	1.57	.00	.00	.00
Other wholesale trade	.00	.00	.00	4.35	4.02	3.85	.00	.00	.00
Retail trade	.00	.00	.00	65.47	67.81	72.06	.00	.00	.00
Building materials	.00	.00	.00	3.55	2.88	1.42	.00	.00	.00
Lumber, building material	.00	.00	.00	1.97	1.71	.65	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	1.57	1.17	.76	.00	.00	.00
General merchandise, total	.00	.00	.00	26.09	26.07	31.13	.00	.00	.00
Department stores, mail order	.00	.00	.00	20.44	21.44	25.24	.00	.00	.00
Limited price stores	.00	.00	.00	2.47	1.69	.91	.00	.00	.00
Vending machine operators	.00	.00	.00	.12	.12	.22	.00	.00	.00
Direct selling	.00	.00	.00	.09	.09	.08	.00	.00	.00
Miscellaneous merchandise store	.00	.00	.00	2.96	2.71	4.65	.00	.00	.00
Food and dairy stores	.00	.00	.00	6.65	6.99	9.93	.00	.00	.00
Grocery stores	.00	.00	.00	5.76	5.97	8.60	.00	.00	.00
Dairy products	.00	.00	.00	.03	.04	.06	.00	.00	.00
Retail bakeries	.00	.00	.00	.05	.07	.10	.00	.00	.00
Food stores, other	.00	.00	.00	.80	.89	1.16	.00	.00	.00
Auto dealers, gas stations	.00	.00	.00	2.59	2.88	2.52	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	1.63	1.62	1.14	.00	.00	.00
Tire, battery, accessory dealers	.00	.00	.00	.61	.81	.87	.00	.00	.00
Gasoline service stations	.00	.00	.00	.15	.17	.14	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.19	.26	.36	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	11.88	11.40	8.96	.00	.00	.00
Apparel, accessory, except shoes	.00	.00	.00	10.29	9.93	7.72	.00	.00	.00
Shoe stores	.00	.00	.00	1.59	1.47	1.23	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	3.01	2.65	1.95	.00	.00	.00
Home furnishings	.00	.00	.00	2.34	1.99	1.49	.00	.00	.00
Household appliances, tv, radio	.00	.00	.00	.67	.66	.45	.00	.00	.00
Eating and drinking places	.00	.00	.00	1.51	2.88	3.09	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	10.15	12.02	13.02	.00	.00	.00
Drug stores	.00	.00	.00	2.25	1.77	1.41	.00	.00	.00
Liquor stores	.00	.00	.00	.90	.86	.45	.00	.00	.00
Farm, garden supply stores	.00	.00	.00	.52	.60	.60	.00	.00	.00
Jewelry stores	.00	.00	.00	.89	.95	.67	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.13	.07	.02	.00	.00	.00
Retail florists	.00	.00	.00	.12	.05	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	5.30	7.69	9.84	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.00	.00	.00	2.57	2.56	3.22
Finance, total	.00	.00	.00	.00	.00	.00	1.31	1.44	2.39
Banking	.00	.00	.00	.00	.00	.00	.61	.75	1.52
Credit agencies	.00	.00	.00	.00	.00	.00	.25	.33	.64
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.44	.35	.23
Insurance	.00	.00	.00	.00	.00	.00	.63	.45	.25
Real estate	.00	.00	.00	.00	.00	.00	.63	.67	.57
Services, total	.00	.00	.00	.00	.00	.00	13.25	17.84	24.47

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Buyers, shippers, farm products			Buyers, wholesale, retail trade			Purchasing agents, buyers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.70	.99	.87
Hotels and motels	.00	.00	.00	.00	.00	.00	.67	.96	.83
Other lodging places	.00	.00	.00	.00	.00	.00	.03	.03	.04
Other personal services	.00	.00	.00	.00	.00	.00	.27	.62	.73
Laundrying and cleaning	.00	.00	.00	.00	.00	.00	.12	.06	.01
Beauty shops	.00	.00	.00	.00	.00	.00	.04	.36	.56
Dressmaking shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.09	.18	.15
Miscellaneous business services	.00	.00	.00	.00	.00	.00	2.39	3.14	4.39
Advertising	.00	.00	.00	.00	.00	.00	.58	.50	.31
Business management services	.00	.00	.00	.00	.00	.00	.15	.18	.18
Commercial research, development	.00	.00	.00	.00	.00	.00	.31	.45	.87
Computer programing	.00	.00	.00	.00	.00	.00	.13	.18	.32
Detective and protective serv	.00	.00	.00	.00	.00	.00	.02	.04	.08
Employment, temporary help	.00	.00	.00	.00	.00	.00	.04	.08	.18
Services to buildings	.00	.00	.00	.00	.00	.00	.04	.07	.18
Other business services	.00	.00	.00	.00	.00	.00	1.09	1.61	2.23
Automobile services	.00	.00	.00	.00	.00	.00	.23	.32	.27
Automobile repair	.00	.00	.00	.00	.00	.00	.06	.11	.05
Automobile services, exc repair	.00	.00	.00	.00	.00	.00	.17	.21	.21
Other repair services	.00	.00	.00	.00	.00	.00	.18	.23	.21
Electrical repair	.00	.00	.00	.00	.00	.00	.08	.07	.09
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.09	.16	.12
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.23	.15	.18
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.32	.57	.47
Bowling alleys, billiards	.00	.00	.00	.00	.00	.00	.01	.01	.01
Other entertainment	.00	.00	.00	.00	.00	.00	.30	.55	.46
Medical and other health service	.00	.00	.00	.00	.00	.00	4.12	5.24	9.09
Hospitals	.00	.00	.00	.00	.00	.00	3.73	4.55	7.20
Convalescent institutions	.00	.00	.00	.00	.00	.00	.19	.35	1.41
Other health services	.00	.00	.00	.00	.00	.00	.19	.34	.47
Educational services	.00	.00	.00	.00	.00	.00	3.16	4.33	5.38
Elementary and secondary school	.00	.00	.00	.00	.00	.00	1.11	1.74	1.85
Colleges and universities	.00	.00	.00	.00	.00	.00	1.86	2.30	3.01
Libraries	.00	.00	.00	.00	.00	.00	.02	.04	.10
Other educational services	.00	.00	.00	.00	.00	.00	.16	.23	.40
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.07	.11	.18
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.70	.83	1.12
Religious organizations	.00	.00	.00	.00	.00	.00	.17	.22	.26
Welfare services	.00	.00	.00	.00	.00	.00	.17	.19	.27
Residential welfare services	.00	.00	.00	.00	.00	.00	.04	.06	.27
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.31	.34	.31
Private households	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other professional services	.00	.00	.00	.00	.00	.00	.79	1.23	1.52
Engineering and architectural	.00	.00	.00	.00	.00	.00	.47	.75	.91
Accounting and auditing	.00	.00	.00	.00	.00	.00	.03	.05	.07
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.28	.41	.53
Government, total	.00	.00	.00	.00	.00	.00	12.16	11.38	10.24
Federal public administration	.00	.00	.00	.00	.00	.00	8.87	7.61	7.02
Postal services	.00	.00	.00	.00	.00	.00	.12	.14	.09
Federal pub adm, exc post office	.00	.00	.00	.00	.00	.00	8.75	7.47	6.93
State public administration	.00	.00	.00	.00	.00	.00	1.54	1.77	1.38
Local public administration	.00	.00	.00	.00	.00	.00	1.74	1.99	1.83

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales manager, retail trade			Sales manager, exc retail trade			Administrators, public inspectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
Agriculture, forestry, fisheries	.00	.00	.00	.21	.33	.26	.00	.00	.00
Agriculture	.00	.00	.00	.18	.29	.23	.00	.00	.00
Agricultural production	.00	.00	.00	.05	.11	.10	.00	.00	.00
Services, except horticulture	.00	.00	.00	.06	.07	.06	.00	.00	.00
Horticultural services	.00	.00	.00	.07	.10	.06	.00	.00	.00
Forestry	.00	.00	.00	.01	.03	.03	.00	.00	.00
Mining	.00	.00	.00	.45	.62	.55	.00	.00	.00
Metal	.00	.00	.00	.02	.02	.02	.00	.00	.00
Coal	.00	.00	.00	.02	.02	.03	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.33	.49	.43	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.08	.07	.05	.00	.00	.00
Construction	.00	.00	.00	1.13	1.38	1.82	.50	.50	.47
General building contractors	.00	.00	.00	.44	.47	.49	.00	.00	.00
General contractors, exc building	.00	.00	.00	.16	.18	.20	.50	.50	.47
Special trade contractors	.00	.00	.00	.52	.72	1.12	.00	.00	.00
Manufacturing	.00	.00	.00	41.06	38.36	38.39	.00	.00	.00
Durable goods	.00	.00	.00	19.02	19.36	22.67	.00	.00	.00
Ordnance	.00	.00	.00	.08	.04	.03	.00	.00	.00
Lumber and wood products	.00	.00	.00	.57	.52	.45	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.41	.37	.31	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.15	.13	.12	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.75	.73	.75	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	1.26	1.13	.81	.00	.00	.00
Glass and glass products	.00	.00	.00	.22	.20	.14	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.54	.48	.32	.00	.00	.00
Structural clay products	.00	.00	.00	.08	.06	.03	.00	.00	.00
Pottery and related products	.00	.00	.00	.05	.04	.04	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.35	.33	.26	.00	.00	.00
Primary metal industries	.00	.00	.00	1.41	1.23	1.19	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	.42	.32	.27	.00	.00	.00
Other primary steel	.00	.00	.00	.41	.35	.33	.00	.00	.00
Primary aluminum	.00	.00	.00	.22	.23	.21	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.33	.32	.37	.00	.00	.00
Fabricated metal products	.00	.00	.00	2.81	2.85	3.07	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.41	.44	.49	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.94	.92	.90	.00	.00	.00
Screw machine products	.00	.00	.00	.18	.18	.21	.00	.00	.00
Metal stamping	.00	.00	.00	.32	.30	.30	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.94	.99	1.16	.00	.00	.00
Machinery except electrical	.00	.00	.00	4.79	5.18	6.88	.00	.00	.00
Engines and turbines	.00	.00	.00	.11	.13	.14	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.31	.30	.26	.00	.00	.00
Construction machines	.00	.00	.00	.72	.77	.75	.00	.00	.00
Metalworking machinery	.00	.00	.00	.68	.75	1.06	.00	.00	.00
Office and accounting machines	.00	.00	.00	.28	.19	.13	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.51	.66	1.34	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	2.16	2.36	3.16	.00	.00	.00
Electrical machinery	.00	.00	.00	3.32	3.42	4.39	.00	.00	.00
Household appliances	.00	.00	.00	.43	.36	.35	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.68	.62	.55	.00	.00	.00
Other electrical machinery	.00	.00	.00	2.21	2.44	3.47	.00	.00	.00
Transportation equipment	.00	.00	.00	1.62	1.70	2.17	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.80	.85	.87	.00	.00	.00
Aircraft and parts	.00	.00	.00	.35	.26	.19	.00	.00	.00
Ship, boat building and repair	.00	.00	.00	.09	.11	.09	.00	.00	.00
Railroad equipment	.00	.00	.00	.05	.06	.07	.00	.00	.00
Mobile dwellings	.00	.00	.00	.23	.29	.81	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.07	.10	.13	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	1.24	1.47	1.94	.00	.00	.00
Scientific instruments	.00	.00	.00	.54	.56	.63	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.44	.64	.95	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.19	.21	.31	.00	.00	.00
Watches and clock devices	.00	.00	.00	.06	.05	.04	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	1.13	1.03	.96	.00	.00	.00
Nondurable goods	.00	.00	.00	22.03	19.00	15.71	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales manager, retail trade			Sales manager,exc retail trade			Administrators, public inspectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	5.70	4.54	3.46	.00	.00	.00
Meat	.00	.00	.00	.55	.49	.39	.00	.00	.00
Dairy	.00	.00	.00	.69	.45	.26	.00	.00	.00
Canning and preserving	.00	.00	.00	.45	.38	.31	.00	.00	.00
Grain mill	.00	.00	.00	.51	.44	.33	.00	.00	.00
Bakery	.00	.00	.00	1.07	.83	.65	.00	.00	.00
Confectionery	.00	.00	.00	.22	.16	.10	.00	.00	.00
Beverages	.00	.00	.00	1.52	1.22	.97	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.66	.55	.42	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.21	.14	.08	.00	.00	.00
Textile mill products	.00	.00	.00	.81	.65	.67	.00	.00	.00
Knitting mills	.00	.00	.00	.13	.11	.14	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.06	.05	.03	.00	.00	.00
Floor coverings	.00	.00	.00	.09	.08	.09	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.38	.29	.27	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.13	.11	.12	.00	.00	.00
Apparel and textile products	.00	.00	.00	1.24	1.08	.87	.00	.00	.00
Apparel and accessories	.00	.00	.00	1.04	.89	.74	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.20	.18	.12	.00	.00	.00
Paper and allied products	.00	.00	.00	1.94	1.55	1.22	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.55	.40	.29	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.73	.54	.43	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.66	.60	.49	.00	.00	.00
Printing and publishing	.00	.00	.00	6.23	5.46	4.05	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	3.75	3.42	2.80	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	2.47	2.03	1.24	.00	.00	.00
Chemicals and allied products	.00	.00	.00	3.74	3.47	3.80	.00	.00	.00
Industrial chemicals	.00	.00	.00	.84	.77	.92	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.25	.22	.27	.00	.00	.00
Synthetic fibers	.00	.00	.00	.06	.05	.06	.00	.00	.00
Drugs and medicines	.00	.00	.00	.79	.86	.91	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.75	.68	.72	.00	.00	.00
Paints and varnishes	.00	.00	.00	.37	.33	.35	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.25	.25	.24	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.40	.27	.30	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.40	.37	.26	.00	.00	.00
Petroleum refining	.00	.00	.00	.26	.23	.14	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.13	.13	.13	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	1.35	1.45	1.10	.00	.00	.00
Rubber	.00	.00	.00	.58	.49	.46	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.77	.95	.64	.00	.00	.00
Leather products	.00	.00	.00	.36	.26	.17	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.02	.02	.01	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.17	.11	.06	.00	.00	.00
All other leather	.00	.00	.00	.16	.12	.10	.00	.00	.00
Transportation, other public util	.00	.00	.00	4.25	4.14	3.80	.00	.00	.00
Transportation,total	.00	.00	.00	2.19	2.11	1.82	.00	.00	.00
Railroads and railway express	.00	.00	.00	.41	.26	.14	.00	.00	.00
Local and interurban transit	.00	.00	.00	.03	.02	.04	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.03	.02	.04	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.80	.81	.52	.00	.00	.00
Trucking services	.00	.00	.00	.68	.71	.46	.00	.00	.00
Warehousing and storage	.00	.00	.00	.11	.10	.06	.00	.00	.00
Water transportation	.00	.00	.00	.20	.17	.10	.00	.00	.00
Air transportation	.00	.00	.00	.50	.50	.51	.00	.00	.00
Transportation services	.00	.00	.00	.23	.33	.49	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	2.06	2.03	1.98	.00	.00	.00
Communications	.00	.00	.00	1.47	1.46	1.42	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.67	.61	.51	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.06	.07	.05	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.73	.77	.86	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.59	.57	.55	.00	.00	.00
Electric light and power	.00	.00	.00	.18	.20	.15	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.16	.15	.19	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.20	.18	.18	.00	.00	.00
Sanitary services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Wholesale and retail trade	100.00	100.00	100.00	37.35	38.29	34.61	.00	.00	.00
Wholesale trade	.00	.00	.00	37.35	38.29	34.61	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales manager, retail trade			Sales manager, exc retail trade			Administrators, public inspectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	26.24	27.25	23.59	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	3.40	3.56	3.11	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	3.35	3.15	2.64	.00	.00	.00
Dry goods and apparel	.00	.00	.00	1.35	1.18	1.08	.00	.00	.00
Food and related products	.00	.00	.00	3.80	3.65	2.82	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.25	.31	.12	.00	.00	.00
Electrical goods	.00	.00	.00	4.16	4.10	4.06	.00	.00	.00
Hardware and plumbing	.00	.00	.00	1.35	1.37	1.12	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	8.55	9.89	8.61	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	11.11	11.03	11.01	.00	.00	.00
Metals and minerals, other	.00	.00	.00	1.32	1.18	1.14	.00	.00	.00
Petroleum products	.00	.00	.00	1.53	1.42	.88	.00	.00	.00
Scrap and waste material	.00	.00	.00	.09	.12	.11	.00	.00	.00
Alcoholic beverages	.00	.00	.00	1.23	1.44	1.22	.00	.00	.00
Paper and paper products	.00	.00	.00	1.43	1.20	1.33	.00	.00	.00
Lumber, construction materials	.00	.00	.00	1.23	1.32	1.90	.00	.00	.00
Other wholesale trade	.00	.00	.00	4.25	4.32	4.41	.00	.00	.00
Retail trade	100.00	100.00	100.00	.00	.00	.00	.00	.00	.00
Building materials	4.31	3.46	1.39	.00	.00	.00	.00	.00	.00
Lumber, building material	2.78	2.34	.77	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	1.53	1.11	.62	.00	.00	.00	.00	.00	.00
General merchandise, total	41.91	41.74	51.06	.00	.00	.00	.00	.00	.00
Department stores, mail order	31.95	33.95	43.87	.00	.00	.00	.00	.00	.00
Limited price stores	4.08	2.76	1.44	.00	.00	.00	.00	.00	.00
Vending machine operators	.35	.32	.43	.00	.00	.00	.00	.00	.00
Direct selling	2.19	1.78	1.05	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	3.32	2.91	4.24	.00	.00	.00	.00	.00	.00
Food and dairy stores	19.54	19.61	20.24	.00	.00	.00	.00	.00	.00
Grocery stores	18.54	18.50	19.26	.00	.00	.00	.00	.00	.00
Dairy products	.21	.23	.17	.00	.00	.00	.00	.00	.00
Retail bakeries	.29	.30	.25	.00	.00	.00	.00	.00	.00
Food stores, other	.49	.56	.55	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	11.49	12.39	10.34	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	7.95	8.07	6.09	.00	.00	.00	.00	.00	.00
Tire, battery, accessory dealrs	1.68	2.14	2.20	.00	.00	.00	.00	.00	.00
Gasoline service stations	.68	.67	.44	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	1.18	1.49	1.59	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	8.22	7.42	4.21	.00	.00	.00	.00	.00	.00
Apparel, accessory, except shoes	6.31	5.64	2.76	.00	.00	.00	.00	.00	.00
Shoe stores	1.91	1.78	1.45	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	4.59	4.05	2.14	.00	.00	.00	.00	.00	.00
Home furnishings	2.50	2.03	1.11	.00	.00	.00	.00	.00	.00
Household appliances, tv, radio	2.08	2.01	1.03	.00	.00	.00	.00	.00	.00
Eating and drinking places	1.34	2.17	1.90	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	8.56	9.13	8.68	.00	.00	.00	.00	.00	.00
Drug stores	1.43	1.14	.85	.00	.00	.00	.00	.00	.00
Liquor stores	.63	.62	.27	.00	.00	.00	.00	.00	.00
Farm, garden supply stores	1.05	1.20	.96	.00	.00	.00	.00	.00	.00
Jewelry stores	.75	.73	.30	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.75	.46	.15	.00	.00	.00	.00	.00	.00
Retail florists	.06	.05	.02	.00	.00	.00	.00	.00	.00
Misc retail trade stores	3.87	4.90	6.12	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	8.97	8.17	8.31	.00	.00	.00
Finance, total	.00	.00	.00	1.32	1.42	2.19	.00	.00	.00
Banking	.00	.00	.00	.15	.19	.48	.00	.00	.00
Credit agencies	.00	.00	.00	.49	.61	1.10	.00	.00	.00
Stock brokers, investment cos	.00	.00	.00	.67	.61	.60	.00	.00	.00
Insurance	.00	.00	.00	6.35	5.35	4.76	.00	.00	.00
Real estate	.00	.00	.00	1.30	1.39	1.35	.00	.00	.00
Services, total	.00	.00	.00	5.99	8.18	11.82	41.76	50.81	52.14

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sales manager, retail trade			Sales manager, exc retail trade			Administrators, public inspectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.37	.50	.37	.00	.00	.00
Hotels and motels	.00	.00	.00	.37	.50	.37	.00	.00	.00
Other personal services	.00	.00	.00	.66	.67	.60	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.49	.31	.20	.00	.00	.00
Misc personal services	.00	.00	.00	.17	.36	.39	.00	.00	.00
Miscellaneous business services	.00	.00	.00	3.03	4.48	7.49	.00	.00	.00
Advertising	.00	.00	.00	.34	.29	.20	.00	.00	.00
Business management services	.00	.00	.00	.44	.64	1.25	.00	.00	.00
Commercial research, development	.00	.00	.00	.05	.08	.19	.00	.00	.00
Computer programing	.00	.00	.00	.34	.48	.96	.00	.00	.00
Detective and protective serv	.00	.00	.00	.16	.29	.47	.00	.00	.00
Employment, temporary help	.00	.00	.00	.28	.49	.95	.00	.00	.00
Services to buildings	.00	.00	.00	.27	.44	1.09	.00	.00	.00
Other business services	.00	.00	.00	1.10	1.73	2.35	.00	.00	.00
Automobile services	.00	.00	.00	.37	.49	.56	.00	.00	.00
Automobile repair	.00	.00	.00	.06	.11	.07	.00	.00	.00
Automobile services, exc repair	.00	.00	.00	.30	.37	.49	.00	.00	.00
Other repair services	.00	.00	.00	.16	.22	.27	.00	.00	.00
Electrical repair	.00	.00	.00	.08	.08	.14	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.07	.13	.13	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.21	.16	.20	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.12	.22	.24	.00	.00	.00
Bowling alleys, billiards	.00	.00	.00	.02	.03	.02	.00	.00	.00
Other entertainment	.00	.00	.00	.09	.19	.21	.00	.00	.00
Medical and other health service	.00	.00	.00	.04	.19	.31	13.29	18.14	23.49
Hospitals	.00	.00	.00	.00	.00	.00	8.23	9.78	11.64
Convalescent institutions	.00	.00	.00	.00	.00	.00	3.46	4.77	8.04
Other health services	.00	.00	.00	.03	.18	.31	1.60	3.59	3.79
Educational services	.00	.00	.00	.32	.37	.69	28.46	32.66	28.65
Elementary and secondary school	.00	.00	.00	.01	.00	.00	23.14	27.11	23.67
Colleges and universities	.00	.00	.00	.09	.09	.12	5.31	5.55	4.98
Other educational services	.00	.00	.00	.21	.26	.56	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.02	.04	.09	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.29	.33	.41	.00	.00	.00
Religious organizations	.00	.00	.00	.02	.04	.07	.00	.00	.00
Welfare services	.00	.00	.00	.03	.02	.03	.00	.00	.00
Nonprofit membership organiztas	.00	.00	.00	.23	.27	.30	.00	.00	.00
Other professional services	.00	.00	.00	.35	.47	.56	.00	.00	.00
Engineering and architectural	.00	.00	.00	.12	.18	.21	.00	.00	.00
Accounting and auditing	.00	.00	.00	.15	.20	.20	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.07	.08	.14	.00	.00	.00
Government, total	.00	.00	.00	.54	.48	.40	57.73	48.68	47.38
Federal public administration	.00	.00	.00	.40	.31	.22	28.48	20.42	19.90
Postal services	.00	.00	.00	.00	.00	.00	5.31	3.70	4.11
Federal pub adm, exc post office	.00	.00	.00	.40	.31	.22	23.17	16.72	15.79
State public administration	.00	.00	.00	.11	.15	.18	10.92	11.48	10.58
Local public administration	.00	.00	.00	.02	.02	.00	18.32	16.76	16.89

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Assessors, contrl,locl public admin			Constructn inspectors, public			Health admin- istrators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Services, total	.00	.00	.00	.00	.00	.00	100.00	100.00	100.00
Medical and other health service	.00	.00	.00	.00	.00	.00	100.00	100.00	100.00
Hospitals	.00	.00	.00	.00	.00	.00	61.93	53.90	49.57
Convalescent institutions	.00	.00	.00	.00	.00	.00	26.01	26.29	34.26
Other health services	.00	.00	.00	.00	.00	.00	12.04	19.79	16.16
Government, total	100.00	100.00	100.00	100.00	100.00	100.00	.00	.00	.00
Federal public administration	.00	.00	.00	12.27	9.53	9.70	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	12.27	9.53	9.70	.00	.00	.00
State public administration	.00	.00	.00	9.30	10.07	12.34	.00	.00	.00
Local public administration	100.00	100.00	100.00	78.41	80.39	77.94	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Inspectors, exc constr, public			Officials, administra- tors,public			Postmastrs, mail supervisors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Construction	.00	.00	.00	1.44	1.63	1.65	.00	.00	.00
General contractors,exc building	.00	.00	.00	1.44	1.63	1.65	.00	.00	.00
Government,total	100.00	100.00	100.00	98.55	98.36	98.34	100.00	100.00	100.00
Federal public administration	58.83	49.97	66.60	47.25	40.28	33.57	100.00	100.00	100.00
Postal services	1.42	1.64	3.66	1.40	1.78	1.48	100.00	100.00	100.00
Federal pub adm,exc post office	57.40	48.33	62.94	45.85	38.49	32.09	.00	.00	.00
State public administration	28.23	37.14	20.56	20.93	24.98	28.65	.00	.00	.00
Local public administration	12.94	12.88	12.83	30.36	33.09	36.11	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	School administra- trs,college			School admin,elem, secondary			Other mgrs, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>Agriculture,forestry,fisheries</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.37</b>	<b>.42</b>	<b>.43</b>
Agriculture	.00	.00	.00	.00	.00	.00	.28	.29	.28
Agricultural production	.00	.00	.00	.00	.00	.00	.01	.02	.04
Services,except horticulture	.00	.00	.00	.00	.00	.00	.17	.15	.15
Horticultural services	.00	.00	.00	.00	.00	.00	.09	.12	.09
Forestry	.00	.00	.00	.00	.00	.00	.03	.05	.04
Fisheries	.00	.00	.00	.00	.00	.00	.05	.07	.10
<b>Mining</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.67</b>	<b>.80</b>	<b>.68</b>
Metal	.00	.00	.00	.00	.00	.00	.04	.03	.03
Coal	.00	.00	.00	.00	.00	.00	.06	.07	.09
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.41	.54	.44
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.15	.14	.11
<b>Construction</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>8.25</b>	<b>9.58</b>	<b>7.29</b>
General building contractors	.00	.00	.00	.00	.00	.00	3.36	4.31	2.57
General contractors,exc building	.00	.00	.00	.00	.00	.00	1.74	1.82	2.16
Special trade contractors	.00	.00	.00	.00	.00	.00	3.14	3.44	2.55
<b>Manufacturing</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>17.44</b>	<b>15.97</b>	<b>15.64</b>
<b>Durable goods</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>9.93</b>	<b>9.19</b>	<b>8.75</b>
Ordnance	.00	.00	.00	.00	.00	.00	.25	.12	.08
Lumber and wood products	.00	.00	.00	.00	.00	.00	.66	.68	.73
Logging	.00	.00	.00	.00	.00	.00	.12	.16	.14
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.37	.37	.40
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.15	.15	.18
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.40	.40	.46
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	.71	.68	.63
Glass and glass products	.00	.00	.00	.00	.00	.00	.11	.10	.10
Cement,concrete,plaster	.00	.00	.00	.00	.00	.00	.37	.36	.33
Structural clay products	.00	.00	.00	.00	.00	.00	.05	.04	.03
Pottery and related products	.00	.00	.00	.00	.00	.00	.02	.02	.02
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.14	.14	.13
Primary metal industries	.00	.00	.00	.00	.00	.00	.65	.56	.51
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	.16	.12	.12
Other primary steel	.00	.00	.00	.00	.00	.00	.22	.20	.22
Primary aluminum	.00	.00	.00	.00	.00	.00	.10	.10	.08
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.16	.13	.08
Fabricated metal products	.00	.00	.00	.00	.00	.00	1.38	1.29	1.17
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.13	.14	.16
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.50	.51	.62
Screw machine products	.00	.00	.00	.00	.00	.00	.10	.09	.07
Metal stamping	.00	.00	.00	.00	.00	.00	.18	.15	.09
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.46	.38	.20
Machinery except electrical	.00	.00	.00	.00	.00	.00	2.01	1.92	1.68
Engines and turbines	.00	.00	.00	.00	.00	.00	.06	.05	.03
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.10	.10	.10
Construction machines	.00	.00	.00	.00	.00	.00	.22	.22	.15
Metalworking machinery	.00	.00	.00	.00	.00	.00	.35	.32	.24
Office and accounting machines	.00	.00	.00	.00	.00	.00	.09	.07	.06
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.26	.28	.35
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.90	.85	.72
Electrical machinery	.00	.00	.00	.00	.00	.00	1.58	1.30	1.27
Household appliances	.00	.00	.00	.00	.00	.00	.10	.08	.07
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.52	.37	.34
Other electrical machinery	.00	.00	.00	.00	.00	.00	.95	.84	.86
Transportation equipment	.00	.00	.00	.00	.00	.00	1.15	1.14	1.16
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.35	.39	.41
Aircraft and parts	.00	.00	.00	.00	.00	.00	.52	.44	.34
Ship,boat building and repair	.00	.00	.00	.00	.00	.00	.14	.15	.15
Railroad equipment	.00	.00	.00	.00	.00	.00	.02	.02	.01
Mobile dwellings	.00	.00	.00	.00	.00	.00	.09	.10	.21
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.02
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	.50	.50	.44
Scientific instruments	.00	.00	.00	.00	.00	.00	.20	.17	.09
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.18	.20	.16
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.10	.11	.18
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	.59	.55	.58
<b>Nondurable goods</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>7.50</b>	<b>6.78</b>	<b>6.88</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	School administra- trs,college			School admin,elem, secondary			Other mgrs, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	1.84	1.57	1.45
Meat	.00	.00	.00	.00	.00	.00	.22	.19	.13
Dairy	.00	.00	.00	.00	.00	.00	.32	.21	.12
Canning and preserving	.00	.00	.00	.00	.00	.00	.25	.24	.28
Grain mill	.00	.00	.00	.00	.00	.00	.21	.20	.19
Bakery	.00	.00	.00	.00	.00	.00	.21	.18	.16
Confectionery	.00	.00	.00	.00	.00	.00	.06	.05	.04
Beverages	.00	.00	.00	.00	.00	.00	.30	.26	.25
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.23	.22	.24
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.04	.03	.03
Textile mill products	.00	.00	.00	.00	.00	.00	.51	.45	.55
Knitting mills	.00	.00	.00	.00	.00	.00	.12	.11	.16
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.05	.04	.05
Floor coverings	.00	.00	.00	.00	.00	.00	.04	.03	.05
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.23	.20	.22
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.06	.05	.05
Apparel and textile products	.00	.00	.00	.00	.00	.00	.92	.83	.91
Apparel and accessories	.00	.00	.00	.00	.00	.00	.73	.65	.72
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.18	.18	.19
Paper and allied products	.00	.00	.00	.00	.00	.00	.58	.52	.63
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.18	.15	.16
Paperboard ccontainers,boxes	.00	.00	.00	.00	.00	.00	.20	.17	.23
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.18	.18	.23
Printing and publishing	.00	.00	.00	.00	.00	.00	1.48	1.36	1.29
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.38	.33	.31
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	1.10	1.03	.98
Chemicals and allied products	.00	.00	.00	.00	.00	.00	1.16	1.04	1.17
Industrial chemicals	.00	.00	.00	.00	.00	.00	.31	.27	.31
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.11	.09	.10
Synthetic fibers	.00	.00	.00	.00	.00	.00	.03	.03	.06
Drugs and medicines	.00	.00	.00	.00	.00	.00	.17	.19	.21
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.17	.16	.18
Paints and varnishes	.00	.00	.00	.00	.00	.00	.10	.09	.10
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.09	.08	.07
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.14	.10	.11
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.21	.20	.17
Petroleum refining	.00	.00	.00	.00	.00	.00	.14	.13	.08
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.06	.06	.08
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.54	.61	.55
Rubber	.00	.00	.00	.00	.00	.00	.19	.16	.16
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.34	.44	.38
Leather products	.00	.00	.00	.00	.00	.00	.19	.14	.09
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.01	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.09	.06	.03
All other leather	.00	.00	.00	.00	.00	.00	.07	.06	.04
Transportation, other public util	.00	.00	.00	.00	.00	.00	6.99	6.84	6.35
Transportation,total	.00	.00	.00	.00	.00	.00	4.52	4.23	4.14
Railroads and railway express	.00	.00	.00	.00	.00	.00	1.31	.90	.75
Local and interurban transit	.00	.00	.00	.00	.00	.00	.16	.15	.17
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.13	.09	.12
Taxicab service	.00	.00	.00	.00	.00	.00	.03	.05	.04
Trucking and warehousing	.00	.00	.00	.00	.00	.00	1.25	1.39	1.26
Trucking services	.00	.00	.00	.00	.00	.00	1.01	1.19	1.04
Warehousing and storage	.00	.00	.00	.00	.00	.00	.23	.20	.22
Water transportation	.00	.00	.00	.00	.00	.00	.77	.62	.53
Air transportation	.00	.00	.00	.00	.00	.00	.32	.32	.34
Pipelines	.00	.00	.00	.00	.00	.00	.02	.02	.01
Transportation services	.00	.00	.00	.00	.00	.00	.66	.82	1.05
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	2.47	2.60	2.21
Communications	.00	.00	.00	.00	.00	.00	1.51	1.64	1.16
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.99	1.08	.58
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.12	.13	.12
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.39	.41	.45
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.95	.96	1.05
Electric light and power	.00	.00	.00	.00	.00	.00	.25	.29	.26
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.15	.13	.15
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.19	.16	.15
Water supply	.00	.00	.00	.00	.00	.00	.22	.22	.28
Sanitary services	.00	.00	.00	.00	.00	.00	.12	.13	.18
Other utilities	.00	.00	.00	.00	.00	.00	.01	.00	.01
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	42.15	40.59	41.36
Wholesale trade	.00	.00	.00	.00	.00	.00	9.69	9.51	8.23

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	School administra- trs,college			School admin,elem, secondary			Other mgrs, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.00	.00	.00	6.29	6.36	5.47
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.99	1.02	1.03
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.47	.44	.40
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.38	.33	.28
Food and related products	.00	.00	.00	.00	.00	.00	1.12	1.03	.81
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.29	.36	.17
Electrical goods	.00	.00	.00	.00	.00	.00	.72	.68	.63
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.42	.42	.36
Machinery equipment,supplies	.00	.00	.00	.00	.00	.00	1.88	2.06	1.75
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	3.39	3.15	2.76
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.26	.22	.20
Petroleum products	.00	.00	.00	.00	.00	.00	.62	.59	.53
Scrap and waste material	.00	.00	.00	.00	.00	.00	.31	.30	.15
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.22	.24	.19
Paper and paper products	.00	.00	.00	.00	.00	.00	.27	.22	.25
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.39	.33	.26
Other wholesale trade	.00	.00	.00	.00	.00	.00	1.29	1.22	1.15
Retail trade	.00	.00	.00	.00	.00	.00	32.46	31.07	33.13
Building materials	.00	.00	.00	.00	.00	.00	1.95	1.87	1.82
Lumber,building material	.00	.00	.00	.00	.00	.00	1.10	1.13	1.01
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.84	.73	.81
General merchandise,total	.00	.00	.00	.00	.00	.00	3.46	3.47	4.43
Department stores,mail order	.00	.00	.00	.00	.00	.00	1.58	1.72	2.18
Limited price stores	.00	.00	.00	.00	.00	.00	.75	.65	.73
Vending machine operators	.00	.00	.00	.00	.00	.00	.17	.15	.23
Direct selling	.00	.00	.00	.00	.00	.00	.13	.19	.11
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.82	.73	1.16
Food and dairy stores	.00	.00	.00	.00	.00	.00	5.68	4.89	5.81
Grocery stores	.00	.00	.00	.00	.00	.00	5.12	4.32	5.23
Dairy products	.00	.00	.00	.00	.00	.00	.11	.11	.11
Retail bakeries	.00	.00	.00	.00	.00	.00	.14	.15	.16
Food stores,other	.00	.00	.00	.00	.00	.00	.30	.30	.29
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	6.05	5.12	5.27
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	1.90	1.75	1.22
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.58	.72	.74
Gasoline service stations	.00	.00	.00	.00	.00	.00	3.29	2.32	2.95
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.27	.32	.35
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	1.95	2.04	2.25
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	1.49	1.57	1.76
Shoe stores	.00	.00	.00	.00	.00	.00	.46	.47	.49
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	1.60	1.56	1.72
Home furnishings	.00	.00	.00	.00	.00	.00	.96	.89	.96
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.64	.66	.75
Eating and drinking places	.00	.00	.00	.00	.00	.00	7.64	7.34	7.05
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	4.10	4.75	4.75
Drug stores	.00	.00	.00	.00	.00	.00	.37	.31	.24
Liquor stores	.00	.00	.00	.00	.00	.00	.58	.64	.69
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.41	.46	.45
Jewelry stores	.00	.00	.00	.00	.00	.00	.32	.33	.37
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.34	.27	.22
Retail florists	.00	.00	.00	.00	.00	.00	.33	.30	.57
Misc retail trade stores	.00	.00	.00	.00	.00	.00	1.73	2.41	2.18
Finance,insurance and real estate	.00	.00	.00	.00	.00	.00	6.70	6.65	7.32
Finance,total	.00	.00	.00	.00	.00	.00	1.40	1.43	1.31
Banking	.00	.00	.00	.00	.00	.00	.07	.07	.07
Credit agencies	.00	.00	.00	.00	.00	.00	.68	.69	.51
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.64	.66	.72
Insurance	.00	.00	.00	.00	.00	.00	2.55	2.30	3.03
Real estate	.00	.00	.00	.00	.00	.00	2.74	2.92	2.97
Services, total	100.00	100.00	100.00	100.00	100.00	100.00	17.15	18.87	20.54

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	School administra- trs,college			School admin,elem, secondary			Other mgrs, officials, proprietors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	2.78	2.81	2.91
Hotels and motels	.00	.00	.00	.00	.00	.00	1.97	2.25	2.18
Other lodging places	.00	.00	.00	.00	.00	.00	.81	.56	.73
Other personal services	.00	.00	.00	.00	.00	.00	2.64	2.34	1.70
Laundering and cleaning	.00	.00	.00	.00	.00	.00	1.66	1.34	.92
Beauty shops	.00	.00	.00	.00	.00	.00	.02	.06	.03
Barber shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.03	.07	.04
Dressmaking shops	.00	.00	.00	.00	.00	.00	.00	.01	.01
Misc personal services	.00	.00	.00	.00	.00	.00	.91	.83	.69
Miscellaneous business services	.00	.00	.00	.00	.00	.00	3.12	3.87	5.11
Advertising	.00	.00	.00	.00	.00	.00	.45	.40	.32
Business management services	.00	.00	.00	.00	.00	.00	.44	.52	.74
Commercial research,development	.00	.00	.00	.00	.00	.00	.11	.14	.21
Computer programing	.00	.00	.00	.00	.00	.00	.22	.28	.51
Detective and protective serv	.00	.00	.00	.00	.00	.00	.12	.21	.37
Employment,temporary help	.00	.00	.00	.00	.00	.00	.42	.57	.73
Services to buildings	.00	.00	.00	.00	.00	.00	.27	.30	.39
Other business services	.00	.00	.00	.00	.00	.00	1.06	1.42	1.81
Automobile services	.00	.00	.00	.00	.00	.00	.88	1.11	1.13
Automobile repair	.00	.00	.00	.00	.00	.00	.40	.62	.56
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.47	.49	.57
Other repair services	.00	.00	.00	.00	.00	.00	.37	.46	.39
Electrical repair	.00	.00	.00	.00	.00	.00	.15	.13	.11
Other repair,exc electrical	.00	.00	.00	.00	.00	.00	.22	.33	.28
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.69	.51	.78
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.94	1.45	1.58
Bowling alleys,billards	.00	.00	.00	.00	.00	.00	.31	.34	.25
Other entertainment	.00	.00	.00	.00	.00	.00	.63	1.11	1.33
Medical and other health service	.00	.00	.00	.00	.00	.00	.40	.59	.78
Offices of physicians	.00	.00	.00	.00	.00	.00	.10	.12	.17
Offices of dentists	.00	.00	.00	.00	.00	.00	.04	.05	.07
Hospitals	.00	.00	.00	.00	.00	.00	.09	.10	.17
Convalescent institutions	.00	.00	.00	.00	.00	.00	.01	.01	.07
Other health practitioners	.00	.00	.00	.00	.00	.00	.00	.00	.01
Other health services	.00	.00	.00	.60	.00	.00	.13	.28	.27
Legal services	.00	.00	.00	.00	.00	.00	.04	.04	.02
Educational services	100.00	100.00	100.00	100.00	100.00	100.00	1.92	2.19	2.36
Elementary and secondary school	.00	.00	.00	100.00	100.00	100.00	.87	1.00	.94
Colleges and universities	100.00	100.00	100.00	.00	.00	.00	.76	.82	.94
Libraries	.00	.00	.00	.00	.00	.00	.01	.01	.04
Other educational services	.00	.00	.00	.00	.00	.00	.28	.34	.43
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.04	.05	.10
Nonprofit organizations	.00	.00	.00	.00	.00	.00	2.55	2.47	2.69
Religious organizations	.00	.00	.00	.00	.00	.00	.10	.11	.09
Welfare services	.00	.00	.00	.00	.00	.00	.67	.66	.90
Residential welfare services	.00	.00	.00	.00	.00	.00	.03	.04	.07
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	1.73	1.64	1.62
Other professional services	.00	.00	.00	.00	.00	.00	.74	.91	.93
Engineering and architectural	.00	.00	.00	.00	.00	.00	.33	.44	.38
Accounting and auditing	.00	.00	.00	.00	.00	.00	.20	.25	.32
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.20	.22	.22
Government,total	.00	.00	.00	.00	.00	.00	.24	.24	.35
Federal public administration	.00	.00	.00	.00	.00	.00	.11	.10	.16
Federal pub adm,exc post office	.00	.00	.00	.00	.00	.00	.10	.09	.16
State public administration	.00	.00	.00	.00	.00	.00	.07	.08	.10
Local public administration	.00	.00	.00	.00	.00	.00	.06	.06	.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Funeral directors			Managers, superintendents, bldgs			Office managers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.06	.06	.04	.47	.62	.46
Agriculture	.00	.00	.00	.04	.04	.03	.41	.54	.39
Agricultural production	.00	.00	.00	.01	.00	.00	.12	.25	.17
Services, except horticulture	.00	.00	.00	.01	.01	.00	.18	.17	.13
Horticultural services	.00	.00	.00	.02	.02	.02	.11	.12	.09
Forestry	.00	.00	.00	.01	.01	.00	.05	.06	.04
Fisheries	.00	.00	.00	.00	.00	.00	.01	.01	.02
Mining	.00	.00	.00	.05	.09	.14	.80	.99	.94
Metal	.00	.00	.00	.00	.00	.00	.06	.06	.06
Coal	.00	.00	.00	.01	.01	.03	.05	.07	.07
Crude petroleum and natural gas	.00	.00	.00	.03	.07	.11	.47	.68	.67
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.19	.17	.12
Construction	.00	.00	.00	1.05	1.08	1.32	4.63	4.87	5.37
General building contractors	.00	.00	.00	.73	.80	1.00	.92	.91	1.02
General contractors, exc building	.00	.00	.00	.24	.23	.31	1.51	1.43	1.42
Special trade contractors	.00	.00	.00	.06	.04	.00	2.20	2.52	2.92
Manufacturing	.00	.00	.00	.65	.49	.52	18.51	15.57	14.65
Durable goods	.00	.00	.00	.33	.25	.27	9.19	8.25	8.47
Ordnance	.00	.00	.00	.02	.00	.00	.09	.04	.03
Lumber and wood products	.00	.00	.00	.04	.03	.03	.63	.53	.40
Logging	.00	.00	.00	.00	.00	.00	.02	.02	.01
Sawmill, planing and mill work	.00	.00	.00	.03	.02	.02	.38	.32	.24
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.22	.18	.14
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.49	.45	.47
Stone, clay, and glass products	.00	.00	.00	.02	.01	.01	1.04	.86	.61
Glass and glass products	.00	.00	.00	.00	.00	.00	.12	.10	.08
Cement, concrete, plaster	.00	.00	.00	.02	.01	.01	.56	.46	.30
Structural clay products	.00	.00	.00	.00	.00	.00	.08	.05	.02
Pottery and related products	.00	.00	.00	.00	.00	.00	.03	.02	.01
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	.24	.22	.19
Primary metal industries	.00	.00	.00	.01	.00	.00	.74	.59	.54
Blast furnaces, steel works	.00	.00	.00	.00	.00	.00	.20	.14	.10
Other primary steel	.00	.00	.00	.00	.00	.00	.29	.23	.22
Primary aluminum	.00	.00	.00	.00	.00	.00	.08	.08	.07
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.16	.14	.14
Fabricated metal products	.00	.00	.00	.01	.00	.00	1.64	1.50	1.49
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.14	.13	.13
Fabricated structural metal	.00	.00	.00	.01	.00	.00	.58	.52	.49
Screw machine products	.00	.00	.00	.00	.00	.00	.17	.15	.15
Metal stamping	.00	.00	.00	.00	.00	.00	.23	.20	.22
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.51	.47	.48
Machinery except electrical	.00	.00	.00	.05	.04	.07	1.90	1.86	2.31
Engines and turbines	.00	.00	.00	.00	.00	.00	.03	.03	.04
Farm machinery and equipment	.00	.00	.00	.01	.00	.00	.07	.06	.06
Construction machines	.00	.00	.00	.00	.00	.00	.22	.24	.29
Metalworking machinery	.00	.00	.00	.00	.00	.00	.39	.38	.47
Office and accounting machines	.00	.00	.00	.00	.00	.00	.12	.08	.05
Electronic computing equipment	.00	.00	.00	.02	.02	.06	.13	.14	.25
Other machinery, exc electrical	.00	.00	.00	.01	.01	.00	.90	.89	1.13
Electrical machinery	.00	.00	.00	.02	.01	.00	.89	.81	.89
Household appliances	.00	.00	.00	.00	.00	.00	.09	.07	.08
Radio, tv communications equip	.00	.00	.00	.01	.00	.00	.19	.15	.11
Other electrical machinery	.00	.00	.00	.01	.00	.00	.61	.58	.70
Transportation equipment	.00	.00	.00	.12	.11	.14	.70	.65	.74
Motor vehicles and equipment	.00	.00	.00	.04	.04	.06	.27	.26	.26
Aircraft and parts	.00	.00	.00	.04	.03	.05	.20	.13	.08
Ship, boat building and repair	.00	.00	.00	.02	.01	.01	.11	.10	.08
Mobile dwellings	.00	.00	.00	.00	.00	.01	.09	.10	.25
Cycles, misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.05
Professional, scientific instrs	.00	.00	.00	.00	.00	.00	.39	.41	.46
Scientific instruments	.00	.00	.00	.00	.00	.00	.15	.13	.13
Optical, health serv supplies	.00	.00	.00	.00	.00	.00	.15	.19	.23
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.09	.08	.09
Miscellaneous manufacturing	.00	.00	.00	.01	.00	.00	.62	.52	.48
Nondurable goods	.00	.00	.00	.31	.23	.25	9.32	7.32	6.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Funeral directors			Managers, superintendents, bldgs			Office managers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.05	.03	.02	2.67	1.98	1.57
Meat	.00	.00	.00	.01	.00	.00	.32	.26	.22
Dairy	.00	.00	.00	.00	.00	.00	.54	.32	.19
Canning and preserving	.00	.00	.00	.00	.00	.00	.36	.29	.26
Grain mill	.00	.00	.00	.00	.00	.00	.25	.20	.17
Bakery	.00	.00	.00	.00	.00	.00	.42	.29	.22
Confectionery	.00	.00	.00	.00	.00	.00	.07	.05	.04
Beverages	.00	.00	.00	.01	.01	.01	.41	.31	.26
Miscellaneous food preparation	.00	.00	.00	.01	.01	.01	.29	.23	.19
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.08	.05	.03
Textile mill products	.00	.00	.00	.00	.00	.00	.66	.50	.53
Knitting mills	.00	.00	.00	.00	.00	.00	.13	.10	.12
Dyeing, finishing textiles	.00	.00	.00	.00	.00	.00	.10	.07	.06
Floor coverings	.00	.00	.00	.00	.00	.00	.04	.03	.05
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.31	.23	.22
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.06	.04	.05
Apparel and textile products	.00	.00	.00	.01	.00	.00	1.17	.95	.76
Apparel and accessories	.00	.00	.00	.01	.00	.00	.87	.68	.53
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.29	.26	.22
Paper and allied products	.00	.00	.00	.00	.00	.00	.62	.46	.40
Pulp, paper paperboard mills	.00	.00	.00	.00	.00	.00	.16	.11	.08
Paperboard containers, boxes	.00	.00	.00	.00	.00	.00	.25	.18	.17
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.20	.16	.15
Printing and publishing	.00	.00	.00	.08	.07	.07	1.77	1.41	1.14
Newspaper publishing, printing	.00	.00	.00	.04	.03	.02	.47	.39	.36
Other printing, exc newspapers	.00	.00	.00	.04	.03	.05	1.30	1.01	.77
Chemicals and allied products	.00	.00	.00	.10	.09	.13	1.19	.97	1.02
Industrial chemicals	.00	.00	.00	.04	.04	.06	.34	.28	.32
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.09	.07	.08
Synthetic fibers	.00	.00	.00	.00	.00	.00	.02	.01	.02
Drugs and medicines	.00	.00	.00	.00	.00	.00	.09	.09	.08
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.18	.15	.17
Paints and varnishes	.00	.00	.00	.00	.00	.00	.14	.11	.12
Agricultural chemicals	.00	.00	.00	.02	.01	.01	.13	.11	.07
Miscellaneous chemicals	.00	.00	.00	.03	.02	.05	.17	.11	.13
Petroleum and coal products	.00	.00	.00	.02	.01	.01	.25	.21	.15
Petroleum refining	.00	.00	.00	.02	.01	.01	.14	.11	.05
Misc petroleum, coal products	.00	.00	.00	.00	.00	.00	.11	.10	.09
Rubber, miscellaneous plastics	.00	.00	.00	.01	.00	.00	.54	.54	.40
Rubber	.00	.00	.00	.01	.00	.00	.19	.13	.07
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.35	.41	.33
Leather products	.00	.00	.00	.00	.00	.00	.32	.21	.13
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.03	.02	.01
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.19	.12	.06
All other leather	.00	.00	.00	.00	.00	.00	.09	.07	.06
Transportation, other public util	.00	.00	.00	.48	.43	.49	8.06	7.14	6.12
Transportation, total	.00	.00	.00	.28	.22	.21	4.65	3.99	3.08
Railroads and railway express	.00	.00	.00	.03	.02	.02	1.17	.69	.40
Local and interurban transit	.00	.00	.00	.00	.00	.00	.14	.10	.20
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.10	.05	.17
Taxicab service	.00	.00	.00	.00	.00	.00	.03	.04	.03
Trucking and warehousing	.00	.00	.00	.15	.12	.13	2.11	1.96	1.31
Trucking services	.00	.00	.00	.04	.06	.08	1.68	1.62	1.05
Warehousing and storage	.00	.00	.00	.10	.06	.04	.42	.33	.25
Water transportation	.00	.00	.00	.02	.01	.00	.35	.27	.14
Air transportation	.00	.00	.00	.03	.03	.02	.28	.25	.23
Pipelines	.00	.00	.00	.00	.00	.00	.04	.03	.02
Transportation services	.00	.00	.00	.02	.02	.02	.55	.66	.75
Communicatns, utils, sanitary serv	.00	.00	.00	.20	.20	.28	3.40	3.14	3.04
Communications	.00	.00	.00	.09	.10	.19	1.91	1.77	1.75
Telephone (wire and radio)	.00	.00	.00	.04	.04	.09	1.35	1.21	1.25
Telegraph, misc communicatn serv	.00	.00	.00	.00	.00	.00	.35	.36	.27
Radio and tv broadcasting	.00	.00	.00	.04	.05	.09	.20	.20	.22
Utilities and sanitary services	.00	.00	.00	.10	.10	.09	1.49	1.37	1.29
Electric light and power	.00	.00	.00	.05	.07	.06	.52	.55	.51
Electric-gas utilities	.00	.00	.00	.01	.01	.01	.29	.25	.26
Gas steam supply systems	.00	.00	.00	.03	.02	.01	.35	.27	.23
Water supply	.00	.00	.00	.00	.00	.00	.23	.21	.20
Sanitary services	.00	.00	.00	.00	.00	.00	.06	.06	.07
Wholesale and retail trade	.44	.19	.11	.71	.68	.91	29.52	28.50	24.67
Wholesale trade	.00	.00	.00	.25	.22	.21	17.60	15.97	11.83

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Funeral directors			Managers, superintendents, bldgs			Office managers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	.14	.13	.13	11.74	10.76	7.17
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	1.29	1.23	1.03
Drugs, chemicals, allied product	.00	.00	.00	.02	.01	.01	.91	.80	.66
Dry goods and apparel	.00	.00	.00	.01	.00	.01	.60	.48	.41
Food and related products	.00	.00	.00	.02	.01	.00	1.52	1.28	.80
Farm products—raw materials	.00	.00	.00	.01	.01	.00	.38	.44	.18
Electrical goods	.00	.00	.00	.02	.01	.02	1.49	1.34	1.29
Hardware and plumbing	.00	.00	.00	.00	.00	.00	1.11	1.02	.74
Machinery equipment, supplies	.00	.00	.00	.04	.05	.07	4.40	4.13	2.02
Miscellaneous wholesale trade	.00	.00	.00	.11	.08	.08	5.85	5.21	4.65
Metals and minerals, other	.00	.00	.00	.01	.01	.01	.61	.49	.44
Petroleum products	.00	.00	.00	.05	.03	.02	.85	.73	.46
Scrap and waste material	.00	.00	.00	.00	.00	.00	.19	.21	.13
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.46	.47	.33
Paper and paper products	.00	.00	.00	.00	.00	.00	.69	.52	.52
Lumber, construction materials	.00	.00	.00	.02	.02	.04	.80	.71	.80
Other wholesale trade	.00	.00	.00	.01	.01	.00	2.23	2.05	1.94
Retail trade	.44	.19	.11	.46	.46	.69	11.92	12.52	12.84
Building materials	.00	.00	.00	.06	.06	.07	1.36	1.27	.87
Lumber, building material	.00	.00	.00	.06	.06	.07	1.01	.98	.60
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.34	.28	.26
General merchandise, total	.00	.00	.00	.21	.25	.54	2.37	2.35	3.29
Department stores, mail order	.00	.00	.00	.14	.20	.44	1.36	1.52	2.30
Limited price stores	.00	.00	.00	.02	.01	.01	.39	.28	.22
Vending machine operators	.00	.00	.00	.03	.03	.08	.15	.14	.24
Direct selling	.00	.00	.00	.01	.00	.00	.20	.17	.14
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.25	.22	.37
Food and dairy stores	.00	.00	.00	.03	.01	.00	.59	.64	.76
Grocery stores	.00	.00	.00	.03	.01	.00	.47	.51	.64
Dairy products	.00	.00	.00	.00	.00	.00	.03	.03	.02
Retail bakeries	.00	.00	.00	.00	.00	.00	.03	.03	.04
Food stores, other	.00	.00	.00	.00	.00	.00	.04	.05	.04
Auto dealers, gas stations	.00	.00	.00	.05	.05	.07	3.05	3.31	2.93
Motor vehicle dealers	.00	.00	.00	.02	.01	.00	2.26	2.32	1.83
Tire, battery, accessory dealers	.00	.00	.00	.01	.03	.07	.36	.49	.52
Gasoline service stations	.00	.00	.00	.01	.00	.00	.21	.22	.22
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.20	.26	.36
Apparel and accessory stores	.00	.00	.00	.02	.01	.00	.74	.74	.59
Apparel, accessory, except shoes	.00	.00	.00	.02	.01	.00	.64	.64	.48
Shoe stores	.00	.00	.00	.00	.00	.00	.10	.10	.10
Furniture and appliance stores	.44	.19	.11	.00	.00	.00	1.14	1.07	.90
Home furnishings	.44	.19	.11	.00	.00	.00	.71	.65	.55
Household appliances, tv, radio	.00	.00	.00	.00	.00	.00	.42	.42	.34
Eating and drinking places	.00	.00	.00	.04	.02	.00	.39	.74	.90
Miscellaneous retail trade	.00	.00	.00	.01	.01	.00	2.25	2.37	2.56
Drug stores	.00	.00	.00	.00	.00	.00	.12	.11	.10
Liquor stores	.00	.00	.00	.00	.00	.00	.04	.04	.02
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.27	.33	.33
Jewelry stores	.00	.00	.00	.00	.00	.00	.18	.18	.09
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.57	.37	.18
Retail florists	.00	.00	.00	.00	.00	.00	.04	.04	.02
Misc retail trade stores	.00	.00	.00	.00	.00	.00	1.02	1.27	1.80
Finance, insurance and real estate	.00	.00	.00	87.61	86.67	83.43	15.18	14.43	11.04
Finance, total	.00	.00	.00	.98	1.06	2.18	6.58	7.32	4.78
Banking	.00	.00	.00	.48	.56	1.30	1.16	1.21	.76
Credit agencies	.00	.00	.00	.34	.37	.79	4.37	5.22	3.11
Stock brokers, investment cos	.00	.00	.00	.16	.12	.09	1.04	.88	.90
Insurance	.00	.00	.00	.96	.68	.49	6.62	5.18	4.40
Real estate	.00	.00	.00	85.66	84.92	80.75	1.97	1.92	1.85
Services, total	99.51	99.78	99.88	7.06	8.10	9.99	19.28	24.24	32.36

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Funeral directors			Managers, superintendents, bldgs			Office managers, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	1.58	1.44	1.73	.62	.72	.64
Hotels and motels	.00	.00	.00	.62	.75	.75	.47	.59	.49
Other lodging places	.00	.00	.00	.95	.69	.97	.15	.12	.14
Other personal services	99.19	99.61	99.88	.18	.28	.24	.77	.78	.61
Laundering and cleaning	.00	.00	.00	.01	.00	.00	.50	.30	.20
Beauty shops	.00	.00	.00	.00	.00	.00	.00	.02	.02
Misc personal services	99.19	99.61	99.88	.16	.27	.24	.26	.45	.39
Miscellaneous business services	.04	.02	.00	.45	.47	.70	5.64	7.98	13.23
Advertising	.00	.00	.00	.02	.01	.01	.44	.34	.23
Business management services	.00	.00	.00	.08	.11	.19	.78	.98	1.58
Commercial research, development	.00	.00	.00	.02	.02	.02	.06	.08	.16
Computer programing	.00	.00	.00	.01	.01	.01	.18	.22	.39
Detective and protective serv	.00	.00	.00	.00	.00	.00	.29	.43	.49
Employment, temporary help	.00	.00	.00	.03	.03	.03	1.69	2.75	5.51
Services to buildings	.04	.02	.00	.23	.18	.20	.26	.36	.87
Other business services	.00	.00	.00	.04	.08	.21	1.90	2.77	3.97
Automobile services	.00	.00	.00	.03	.03	.05	.61	.68	.77
Automobile repair	.00	.00	.00	.00	.00	.00	.16	.20	.17
Automobile services, exc repair	.00	.00	.00	.02	.02	.05	.45	.48	.60
Other repair services	.00	.00	.00	.13	.17	.14	.35	.39	.38
Electrical repair	.00	.00	.00	.00	.00	.00	.19	.15	.21
Other repair, exc electrical	.00	.00	.00	.13	.17	.14	.16	.23	.16
Motion pictures and theaters	.00	.00	.00	.06	.03	.06	.33	.20	.22
Miscellaneous entertainment	.00	.00	.00	.65	1.07	1.13	.38	.63	.58
Bowling alleys, billiards	.00	.00	.00	.06	.06	.05	.05	.06	.05
Other entertainment	.00	.00	.00	.59	1.00	1.07	.32	.56	.53
Medical and other health service	.24	.12	.00	.98	1.03	1.63	4.05	5.56	7.88
Offices of physicians	.00	.00	.00	.07	.04	.03	1.61	1.98	2.57
Offices of dentists	.00	.00	.00	.01	.01	.00	.56	.84	1.08
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.02	.11	.01
Hospitals	.24	.12	.00	.73	.68	.66	1.27	1.43	2.41
Convalescent institutions	.00	.00	.00	.10	.16	.66	.16	.25	.97
Other health practitioners	.00	.00	.00	.00	.00	.00	.05	.09	.14
Other health services	.00	.00	.00	.06	.13	.27	.35	.82	.68
Legal services	.00	.00	.00	.01	.01	.00	.47	.56	.30
Educational services	.00	.00	.00	2.00	2.45	2.78	1.53	1.67	1.81
Elementary and secondary school	.00	.00	.00	.62	.97	1.12	.43	.51	.42
Colleges and universities	.00	.00	.00	1.34	1.42	1.56	.90	.93	1.00
Libraries	.00	.00	.00	.01	.01	.02	.00	.00	.03
Other educational services	.00	.00	.00	.02	.03	.07	.20	.22	.35
Museums, art galleries, zoos	.00	.00	.00	.04	.06	.10	.02	.03	.05
Nonprofit organizations	.03	.02	.00	.73	.79	1.15	2.70	2.73	3.15
Religious organizations	.03	.02	.00	.22	.26	.26	.27	.32	.34
Welfare services	.00	.00	.00	.12	.11	.21	.76	.70	1.05
Residential welfare services	.00	.00	.00	.03	.04	.20	.01	.02	.06
Nonprofit membership organiztns	.00	.00	.00	.34	.37	.47	1.65	1.67	1.69
Private households	.00	.00	.00	.06	.08	.05	.00	.01	.02
Other professional services	.00	.00	.00	.11	.13	.19	1.74	2.25	2.66
Engineering and architectural	.00	.00	.00	.05	.07	.09	.77	1.03	1.06
Accounting and auditing	.00	.00	.00	.00	.00	.00	.69	.92	1.11
Miscellaneous professional serv	.00	.00	.00	.05	.05	.09	.27	.29	.48
Government, total	.04	.02	.00	2.29	2.37	3.13	3.50	3.61	4.36
Federal public administration	.00	.00	.00	1.28	1.27	1.97	1.49	1.35	1.85
Postal services	.00	.00	.00	.09	.09	.05	.04	.05	.06
Federal pub adm, exc post office	.00	.00	.00	1.19	1.18	1.92	1.45	1.30	1.79
State public administration	.00	.00	.00	.44	.49	.51	1.17	1.34	1.51
Local public administration	.04	.02	.00	.56	.60	.64	.84	.90	.99

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Officers, pilots, purser,ship			Officials of lodges, unions			Railroad conductors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	5.64	9.56	14.69	.00	.00	.00	.00	.00	.00
Agriculture	.05	.04	.00	.00	.00	.00	.00	.00	.00
Agricultural production	.05	.04	.00	.00	.00	.00	.00	.00	.00
Forestry	.03	.03	.04	.00	.00	.00	.00	.00	.00
Fisheries	5.55	9.47	14.65	.00	.00	.00	.00	.00	.00
Mining	2.36	3.19	3.30	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.90	2.74	2.87	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.45	.44	.43	.00	.00	.00	.00	.00	.00
Construction	4.44	5.25	9.55	.00	.00	.00	.00	.00	.00
General building contractors	.11	.08	.00	.00	.00	.00	.00	.00	.00
General contractors,exc building	4.32	5.17	9.55	.00	.00	.00	.00	.00	.00
Manufacturing	2.66	2.40	2.10	.00	.00	.00	.00	.00	.00
Durable goods	1.72	1.59	1.40	.00	.00	.00	.00	.00	.00
Lumber and wood products	.15	.10	.11	.00	.00	.00	.00	.00	.00
Logging	.02	.01	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.11	.07	.11	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.02	.01	.00	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.29	.25	.14	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.17	.15	.09	.00	.00	.00	.00	.00	.00
Structural clay products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.08	.07	.03	.00	.00	.00	.00	.00	.00
Primary metal industries	.23	.18	.18	.00	.00	.00	.00	.00	.00
Blast furnaces,steel works	.10	.09	.13	.00	.00	.00	.00	.00	.00
Other primary steel	.09	.05	.00	.00	.00	.00	.00	.00	.00
Primary aluminum	.03	.03	.04	.00	.00	.00	.00	.00	.00
Machinery except electrical	.04	.03	.00	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.04	.03	.00	.00	.00	.00	.00	.00	.00
Electrical machinery	.10	.07	.00	.00	.00	.00	.00	.00	.00
Radio,tv communications equip	.05	.03	.00	.00	.00	.00	.00	.00	.00
Other electrical machinery	.05	.04	.00	.00	.00	.00	.00	.00	.00
Transportation equipment	.86	.93	.96	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.05	.03	.00	.00	.00	.00	.00	.00	.00
Aircraft and parts	.11	.10	.14	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.69	.78	.81	.00	.00	.00	.00	.00	.00
Nondurable goods	.93	.80	.69	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Officers, pilots, purser,ship			Officials of lodges, unions			Railroad conductors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.43	.36	.37	.00	.00	.00	.00	.00	.00
Canning and preserving	.35	.30	.32	.00	.00	.00	.00	.00	.00
Beverages	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.06	.05	.04	.00	.00	.00	.00	.00	.00
Paper and allied products	.07	.04	.00	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.07	.04	.00	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.14	.11	.09	.00	.00	.00	.00	.00	.00
Industrial chemicals	.11	.09	.09	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.02	.01	.00	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.28	.28	.22	.00	.00	.00	.00	.00	.00
Petroleum refining	.26	.26	.22	.00	.00	.00	.00	.00	.00
Misc petroleum,coal products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	77.33	70.28	59.14	.00	.00	.00	100.00	100.00	100.00
Transportation,total	77.26	70.21	59.14	.00	.00	.00	100.00	100.00	100.00
Railroads and railway express	.65	.41	.19	.00	.00	.00	100.00	100.00	100.00
Trucking and warehousing	.05	.04	.02	.00	.00	.00	.00	.00	.00
Warehousing and storage	.05	.04	.02	.00	.00	.00	.00	.00	.00
Water transportation	76.02	69.01	57.71	.00	.00	.00	.00	.00	.00
Pipelines	.02	.01	.00	.00	.00	.00	.00	.00	.00
Transportation services	.51	.72	1.22	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.06	.07	.00	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.06	.07	.00	.00	.00	.00	.00	.00	.00
Electric light and power	.04	.05	.00	.00	.00	.00	.00	.00	.00
Sanitary services	.02	.02	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	2.15	2.14	2.37	.00	.00	.00	.00	.00	.00
Wholesale trade	1.58	1.56	1.85	.00	.00	.00	.00	.00	.00
Wholesale,exc misc whlsle trade	.82	.80	.93	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.11	.09	.06	.00	.00	.00	.00	.00	.00
Food and related products	.56	.51	.51	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.14	.19	.35	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.76	.76	.91	.00	.00	.00	.00	.00	.00
Petroleum products	.55	.48	.29	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.02	.03	.03	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.11	.12	.24	.00	.00	.00	.00	.00	.00
Other wholesale trade	.07	.12	.34	.00	.00	.00	.00	.00	.00
Retail trade	.56	.57	.51	.00	.00	.00	.00	.00	.00
Building materials	.09	.08	.00	.00	.00	.00	.00	.00	.00
Lumber,building material	.09	.08	.00	.00	.00	.00	.00	.00	.00
Food and dairy stores	.07	.05	.00	.00	.00	.00	.00	.00	.00
Grocery stores	.05	.04	.00	.00	.00	.00	.00	.00	.00
Food stores,other	.01	.01	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.24	.32	.51	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.07	.05	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.17	.27	.51	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.01	.01	.00	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.03	.02	.00	.00	.00	.00	.00	.00	.00
Home furnishings	.01	.01	.00	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.01	.00	.00	.00	.00	.00	.00	.00	.00
Eating and drinking places	.02	.02	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.07	.05	.00	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.05	.03	.00	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.25	.28	.47	.00	.00	.00	.00	.00	.00
Finance,total	.10	.16	.47	.00	.00	.00	.00	.00	.00
Credit agencies	.10	.16	.47	.00	.00	.00	.00	.00	.00
Insurance	.09	.07	.00	.00	.00	.00	.00	.00	.00
Real estate	.05	.04	.00	.00	.00	.00	.00	.00	.00
Services, total	3.61	5.56	7.27	100.00	100.00	100.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Officers, pilots, purser,ship			Officials of lodges, unions			Railroad conductors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.05	.04	.00	.00	.00	.00	.00	.00	.00
Hotels and motels	.05	.04	.00	.00	.00	.00	.00	.00	.00
Other personal services	.05	.13	.19	.00	.00	.00	.00	.00	.00
Misc personal services	.05	.13	.19	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.12	.11	.00	.00	.00	.00	.00	.00	.00
Advertising	.01	.00	.00	.00	.00	.00	.00	.00	.00
Commercial research,development	.06	.05	.00	.00	.00	.00	.00	.00	.00
Other business services	.04	.05	.00	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	2.40	4.07	5.59	.00	.00	.00	.00	.00	.00
Other entertainment	2.40	4.07	5.59	.00	.00	.00	.00	.00	.00
Medical and other health service	.01	.01	.00	.00	.00	.00	.00	.00	.00
Convalescent institutions	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	.18	.20	.46	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.04	.03	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.09	.07	.00	.00	.00	.00	.00	.00	.00
Other educational services	.04	.09	.46	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.25	.26	.26	100.00	100.00	100.00	.00	.00	.00
Religious organizations	.02	.02	.00	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.22	.24	.26	100.00	100.00	100.00	.00	.00	.00
Private households	.34	.41	.27	.00	.00	.00	.00	.00	.00
Other professional services	.19	.29	.48	.00	.00	.00	.00	.00	.00
Engineering and architectural	.09	.14	.21	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.10	.15	.27	.00	.00	.00	.00	.00	.00
Government,total	1.52	1.31	1.07	.00	.00	.00	.00	.00	.00
Federal public administration	.97	.69	.40	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.97	.69	.40	.00	.00	.00	.00	.00	.00
State public administration	.35	.46	.66	.00	.00	.00	.00	.00	.00
Local public administration	.18	.15	.00	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Restaurant, cafe,bar, managers			Other managers and admin			Sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.03	.00	.00	.37	.42	.43	.12	.22	.23
Agriculture	.03	.00	.00	.31	.32	.32	.11	.21	.22
Agricultural production	.03	.00	.00	.00	.01	.03	.05	.14	.17
Services,except horticulture	.00	.00	.00	.20	.17	.17	.02	.01	.01
Horticultural services	.00	.00	.00	.10	.13	.10	.03	.04	.04
Forestry	.00	.00	.00	.03	.06	.05	.00	.00	.00
Fisheries	.00	.00	.00	.02	.04	.05	.00	.00	.00
Mining	.00	.00	.00	.76	.89	.75	.06	.06	.02
Metal	.00	.00	.00	.04	.04	.03	.00	.00	.00
Coal	.00	.00	.00	.07	.08	.10	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.47	.60	.48	.03	.04	.00
Nonmetallic mining and quarrying	.00	.00	.00	.17	.16	.12	.01	.01	.01
Construction	.01	.02	.02	9.84	11.32	8.46	.36	.43	.59
General building contractors	.01	.02	.02	4.07	5.17	3.05	.13	.14	.12
General contractors,exc building	.00	.00	.00	2.02	2.10	2.49	.03	.04	.05
Special trade contractors	.00	.00	.00	3.73	4.04	2.92	.19	.25	.41
Manufacturing	.34	.27	.21	20.27	18.45	18.08	9.38	8.31	7.89
Durable goods	.16	.14	.13	11.64	10.66	10.09	3.33	3.01	2.67
Ordnance	.00	.00	.00	.31	.14	.09	.01	.00	.00
Lumber and wood products	.00	.00	.00	.77	.80	.86	.12	.13	.15
Logging	.00	.00	.00	.15	.19	.17	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.43	.43	.47	.08	.08	.10
Miscellaneous wood products	.00	.00	.00	.18	.17	.21	.04	.03	.05
Furniture and fixtures	.00	.00	.01	.46	.45	.53	.21	.21	.25
Stone,clay,and glass products	.00	.00	.00	.80	.77	.73	.27	.27	.26
Glass and glass products	.00	.00	.00	.12	.12	.12	.04	.04	.04
Cement,concrete,plaster	.00	.00	.00	.42	.41	.39	.12	.12	.12
Structural clay products	.00	.00	.00	.06	.05	.04	.02	.02	.01
Pottery and related products	.00	.00	.00	.02	.02	.02	.01	.01	.01
Miscellaneous nonmetallic,stone	.00	.00	.00	.16	.15	.15	.07	.07	.06
Primary metal industries	.02	.01	.01	.75	.65	.59	.23	.19	.18
Blast furnaces,steel works	.00	.00	.00	.18	.14	.14	.07	.05	.05
Other primary steel	.00	.00	.00	.25	.23	.25	.06	.06	.08
Primary aluminum	.00	.00	.00	.12	.11	.10	.03	.03	.02
Other primary nonferrous	.00	.00	.00	.19	.15	.09	.05	.04	.02
Fabricated metal products	.01	.01	.02	1.60	1.48	1.32	.48	.43	.36
Cutlery and other hardware	.00	.00	.00	.15	.16	.19	.07	.08	.11
Fabricated structural metal	.00	.00	.01	.58	.59	.72	.16	.16	.16
Screw machine products	.00	.00	.00	.11	.10	.08	.04	.03	.02
Metal stamping	.00	.00	.00	.21	.17	.10	.05	.03	.00
Miscellaneous fabricated metal	.00	.00	.00	.53	.44	.22	.14	.12	.05
Machinery except electrical	.02	.02	.02	2.36	2.22	1.88	.80	.71	.56
Engines and turbines	.00	.00	.00	.07	.06	.03	.01	.01	.00
Farm machinery and equipment	.00	.00	.00	.12	.12	.12	.05	.05	.06
Construction machines	.00	.00	.00	.26	.25	.17	.11	.10	.06
Metalworking machinery	.00	.00	.00	.40	.36	.26	.12	.10	.08
Office and accounting machines	.00	.00	.00	.11	.08	.07	.08	.05	.05
Electronic computing equipment	.00	.00	.00	.31	.34	.41	.09	.10	.14
Other machinery,exc electrical	.01	.01	.01	1.06	.98	.80	.32	.26	.14
Electrical machinery	.04	.03	.02	1.89	1.54	1.50	.43	.32	.16
Household appliances	.00	.00	.00	.12	.09	.08	.06	.04	.01
Radio, tv communications equip	.01	.01	.01	.63	.44	.41	.08	.06	.04
Other electrical machinery	.02	.02	.01	1.13	.99	1.00	.28	.22	.11
Transportation equipment	.02	.02	.02	1.37	1.33	1.36	.23	.24	.29
Motor vehicles and equipment	.01	.01	.01	.41	.45	.48	.12	.13	.16
Aircraft and parts	.00	.00	.00	.63	.53	.41	.05	.04	.04
Ship,boat building and repair	.00	.00	.00	.16	.17	.17	.01	.01	.01
Railroad equipment	.00	.00	.00	.02	.02	.01	.00	.00	.00
Mobile dwellings	.00	.00	.00	.10	.11	.24	.03	.03	.05
Cycles,misc transportation	.00	.00	.00	.02	.03	.03	.00	.01	.00
Professional,scientific instrs	.01	.00	.00	.59	.59	.51	.20	.19	.14
Scientific instruments	.00	.00	.00	.24	.19	.10	.06	.05	.02
Optical,health serv supplies	.00	.00	.00	.21	.24	.18	.08	.09	.05
Photo equipment and supplies	.00	.00	.00	.12	.13	.21	.03	.04	.05
Watches and clock devices	.00	.00	.00	.02	.02	.01	.01	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.69	.64	.68	.31	.28	.26
Nondurable goods	.17	.13	.08	8.63	7.79	7.98	6.05	5.30	5.22

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Restaurant, cafe,bar, managers			Other managers and admin			Sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.06	.04	.01	2.09	1.78	1.66	1.28	.98	.71
Meat	.02	.01	.00	.25	.21	.14	.17	.14	.07
Dairy	.00	.00	.00	.36	.24	.14	.14	.07	.02
Canning and preserving	.01	.01	.00	.28	.27	.33	.07	.05	.04
Grain mill	.00	.00	.00	.25	.23	.23	.11	.10	.08
Bakery	.00	.00	.00	.24	.20	.18	.31	.23	.17
Confectionery	.00	.00	.00	.07	.06	.05	.06	.04	.02
Beverages	.01	.00	.00	.35	.30	.28	.26	.21	.17
Miscellaneous food preparation	.00	.00	.00	.27	.25	.28	.12	.11	.12
Tobacco manufacturing	.00	.00	.00	.05	.03	.03	.05	.04	.04
Textile mill products	.01	.01	.00	.59	.52	.64	.20	.17	.21
Knitting mills	.00	.00	.00	.15	.13	.18	.04	.04	.05
Dyeing,finishing textiles	.00	.00	.00	.05	.05	.06	.01	.00	.01
Floor coverings	.00	.00	.00	.04	.04	.06	.02	.03	.05
Yarn and fabric mills	.00	.00	.00	.27	.23	.25	.09	.07	.07
Miscellaneous textile mill	.00	.00	.00	.07	.05	.06	.02	.02	.02
Apparel and textile products	.01	.01	.01	1.05	.95	1.07	.56	.50	.51
Apparel and accessories	.01	.01	.01	.85	.75	.85	.48	.43	.43
Miscellaneous fabricated textile	.00	.00	.00	.20	.20	.22	.07	.07	.07
Paper and allied products	.00	.00	.00	.67	.60	.74	.36	.32	.39
Pulp,paper paperboard mills	.00	.00	.00	.22	.18	.19	.08	.06	.06
Paperboard containers,boxes	.00	.00	.00	.23	.20	.27	.15	.12	.16
Miscellaneous paper and pulp	.00	.00	.00	.21	.22	.27	.13	.13	.16
Printing and publishing	.01	.01	.01	1.71	1.56	1.50	2.31	2.06	2.07
Newspaper publishing, printing	.00	.00	.00	.44	.37	.35	1.51	1.31	1.39
Other printing,exc newspapers	.01	.01	.01	1.27	1.19	1.14	.80	.74	.67
Chemicals and allied products	.02	.01	.01	1.35	1.21	1.36	.87	.82	.92
Industrial chemicals	.00	.00	.00	.35	.31	.35	.14	.12	.12
Plastics and synthetics	.00	.00	.00	.13	.11	.12	.03	.02	.03
Synthetic fibers	.00	.00	.00	.04	.04	.08	.00	.00	.01
Drugs and medicines	.00	.00	.00	.20	.22	.26	.27	.31	.37
Soaps and cosmetics	.00	.00	.00	.20	.19	.21	.16	.15	.18
Paints and varnishes	.00	.00	.00	.11	.10	.11	.10	.08	.09
Agricultural chemicals	.00	.00	.00	.10	.09	.08	.05	.04	.03
Miscellaneous chemicals	.00	.00	.00	.17	.11	.12	.09	.06	.07
Petroleum and coal products	.00	.00	.00	.23	.22	.19	.07	.06	.05
Petroleum refining	.00	.00	.00	.16	.15	.09	.04	.03	.01
Misc petroleum,coal products	.00	.00	.00	.07	.07	.10	.03	.03	.03
Rubber,miscellaneous plastics	.00	.01	.00	.63	.71	.64	.19	.22	.22
Rubber	.00	.00	.00	.22	.19	.19	.09	.08	.09
Miscellaneous plastics	.00	.00	.00	.40	.51	.45	.10	.13	.13
Leather products	.01	.00	.00	.21	.15	.10	.11	.08	.06
Leather tanning and finishing	.00	.00	.00	.02	.01	.00	.00	.00	.00
Footwear, except rubber	.01	.00	.00	.10	.07	.04	.07	.05	.03
All other leather	.00	.00	.00	.08	.07	.05	.03	.03	.03
Transportation, other public util	.09	.07	.06	6.60	6.90	6.49	.95	.98	1.11
Transportation,total	.05	.03	.03	3.77	3.92	4.00	.41	.36	.35
Railroads and railway express	.01	.01	.00	.62	.45	.34	.02	.01	.00
Local and interurban transit	.00	.00	.01	.19	.17	.19	.01	.00	.02
Street railways and bus lines	.00	.00	.01	.15	.11	.14	.01	.00	.02
Taxicab service	.00	.00	.00	.04	.06	.05	.00	.00	.00
Trucking and warehousing	.01	.01	.00	1.40	1.57	1.45	.22	.17	.11
Trucking services	.01	.01	.00	1.14	1.34	1.20	.19	.15	.10
Warehousing and storage	.00	.00	.00	.25	.22	.25	.02	.02	.01
Water transportation	.00	.00	.00	.37	.36	.35	.02	.01	.00
Air transportation	.01	.01	.00	.37	.37	.40	.05	.05	.04
Pipelines	.00	.00	.00	.02	.02	.01	.00	.00	.00
Transportation services	.00	.00	.00	.78	.96	1.22	.07	.09	.15
Communicatns,utils,sanitary serv	.03	.03	.03	2.82	2.97	2.48	.53	.61	.75
Communications	.02	.02	.02	1.74	1.88	1.28	.35	.46	.62
Telephone(wire and radio)	.01	.01	.01	1.13	1.25	.61	.14	.15	.20
Telegraph,misc communicatn serv	.00	.00	.00	.12	.14	.13	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.47	.49	.54	.20	.30	.41
Utilities and sanitary services	.01	.01	.00	1.07	1.08	1.19	.18	.15	.13
Electric light and power	.00	.00	.00	.27	.31	.28	.06	.07	.07
Electric-gas utilities	.00	.00	.00	.16	.15	.17	.04	.04	.04
Gas steam supply systems	.00	.00	.00	.21	.18	.17	.05	.03	.01
Water supply	.00	.00	.00	.26	.26	.32	.00	.00	.00
Sanitary services	.00	.00	.00	.15	.16	.22	.00	.00	.00
Other utilities	.00	.00	.00	.01	.01	.01	.00	.00	.00
Wholesale and retail trade	90.58	90.51	91.31	40.48	38.61	40.18	69.90	66.11	66.95
Wholesale trade	.15	.11	.07	10.78	10.57	9.21	12.52	13.57	12.82

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Restaurant, cafe,bar, managers			Other managers and admin			Sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.11	.08	.04	6.98	7.06	6.17	8.83	9.91	9.75
Motor vehicles and equipment	.01	.01	.01	1.14	1.17	1.19	1.27	1.44	1.48
Drugs,chemicals,allied product	.01	.00	.00	.52	.48	.44	.98	1.01	.95
Dry goods and apparel	.00	.00	.00	.43	.37	.32	.69	.66	.65
Food and related products	.03	.02	.01	1.28	1.17	.93	1.37	1.42	1.27
Farm products-raw materials	.00	.00	.00	.33	.41	.20	.12	.18	.12
Electrical goods	.00	.00	.00	.79	.75	.68	1.16	1.22	1.24
Hardware and plumbing	.00	.00	.00	.44	.44	.38	.65	.70	.60
Machinery equipment,supplies	.03	.02	.01	2.02	2.24	1.99	2.55	3.24	3.41
Miscellaneous wholesale trade	.03	.03	.02	3.79	3.50	3.03	3.69	3.66	3.07
Metals and minerals, other	.00	.00	.00	.28	.24	.21	.33	.30	.25
Petroleum products	.00	.00	.00	.71	.67	.62	.28	.30	.25
Scrap and waste material	.00	.00	.00	.37	.35	.18	.06	.07	.05
Alcoholic beverages	.00	.00	.00	.24	.26	.21	.39	.47	.38
Paper and paper products	.00	.00	.00	.29	.24	.26	.58	.50	.45
Lumber,construction materials	.00	.00	.00	.43	.36	.25	.41	.41	.46
Other wholesale trade	.02	.01	.01	1.45	1.35	1.26	1.60	1.57	1.21
Retail trade	90.43	90.39	91.24	29.70	28.04	30.97	57.37	52.53	54.12
Building materials	.05	.02	.00	2.31	2.20	2.17	3.02	2.98	3.53
Lumber,building material	.02	.01	.00	1.29	1.32	1.20	1.47	1.77	2.00
Hardware and farm equipment	.02	.01	.00	1.02	.87	.97	1.54	1.20	1.53
General merchandise,total	.82	.64	.78	4.03	4.01	5.11	22.98	19.64	19.90
Department stores,mail order	.41	.38	.52	1.81	1.97	2.44	12.26	11.10	12.72
Limited price stores	.20	.11	.04	.88	.77	.88	2.50	1.65	1.33
Vending machine operators	.07	.06	.08	.19	.17	.26	.05	.05	.08
Direct selling	.01	.01	.01	.15	.22	.13	5.70	5.04	3.87
Miscellaneous merchadise store	.11	.07	.12	.98	.87	1.38	2.47	1.78	1.87
Food and dairy stores	.78	.50	.55	6.90	5.88	7.03	5.16	4.05	3.30
Grocery stores	.73	.46	.51	6.22	5.19	6.33	3.28	2.35	1.83
Dairy products	.01	.00	.00	.13	.13	.14	.28	.26	.19
Retail bakeries	.01	.01	.02	.17	.18	.19	.78	.73	.69
Food stores,other	.02	.01	.01	.37	.36	.35	.81	.70	.58
Auto dealers,gas stations	.05	.04	.05	7.28	6.03	6.25	4.80	4.66	4.46
Motor vehicle dealers	.02	.01	.01	2.19	1.98	1.36	3.23	2.98	2.47
Tire,battery,accessory dealrs	.01	.01	.02	.69	.85	.87	1.03	1.04	1.12
Gasoline service stations	.01	.01	.01	4.05	2.81	3.60	.14	.13	.18
Miscellaneous vehicle dealers	.00	.00	.00	.32	.37	.40	.39	.50	.68
Apparel and accessory stores	.04	.03	.01	2.36	2.44	2.71	7.86	7.43	8.20
Apparel,accessory,except shoes	.04	.03	.01	1.79	1.88	2.12	6.18	5.91	6.37
Shoe stores	.00	.00	.00	.56	.56	.59	1.68	1.51	1.83
Furniture and appliance stores	.04	.02	.00	1.90	1.83	2.04	2.84	3.07	3.67
Home furnishings	.02	.01	.00	1.13	1.05	1.14	1.71	1.82	2.44
Household appliances,tv,radio	.01	.01	.00	.76	.78	.90	1.12	1.24	1.22
Eating and drinking places	88.40	88.94	89.69	.00	.00	.00	.70	1.16	1.46
Miscellaneous retail trade	.22	.16	.12	4.90	5.62	5.63	9.99	9.52	9.57
Drug stores	.12	.08	.05	.44	.36	.28	3.18	2.58	3.03
Liquor stores	.05	.03	.01	.71	.77	.85	1.22	1.27	1.36
Farm,garden supply stores	.01	.01	.01	.49	.55	.53	.54	.50	.37
Jewelry stores	.00	.00	.00	.38	.39	.45	.83	.85	.92
Fuel and ice dealers	.00	.00	.00	.38	.31	.25	.14	.11	.08
Retail florists	.00	.00	.00	.40	.36	.70	.35	.35	.38
Misc retail trade stores	.02	.03	.04	2.06	2.85	2.54	3.70	3.84	3.40
Finance,insurance and real estate	.07	.05	.05	5.25	4.99	5.62	16.62	20.77	19.49
Finance,total	.00	.00	.02	1.27	1.25	1.18	2.09	1.90	1.73
Banking	.00	.00	.00	.00	.00	.00	.11	.12	.22
Credit agencies	.00	.00	.02	.54	.50	.37	.08	.09	.16
Stock brokers,investment cos	.00	.00	.00	.72	.74	.81	1.89	1.69	1.34
Insurance	.03	.02	.02	2.69	2.46	3.38	8.07	9.33	8.73
Real estate	.02	.02	.01	1.28	1.27	1.05	6.45	9.53	9.02
Services, total	8.78	9.00	8.29	16.40	18.38	19.95	2.50	3.01	3.66

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Restaurant, cafe,bar, managers			Other managers and admin			Sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.24	1.31	1.20	3.23	3.21	3.36	.05	.06	.08
Hotels and motels	1.20	1.28	1.15	2.26	2.55	2.51	.04	.06	.07
Other lodging places	.04	.02	.04	.96	.65	.85	.00	.00	.01
Other personal services	.00	.00	.00	2.29	2.15	1.47	.33	.37	.26
Laundry and cleaning	.00	.00	.00	2.01	1.62	1.11	.18	.12	.09
Beauty shops	.00	.00	.00	.03	.07	.04	.01	.02	.00
Barber shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Shoe repair shops	.00	.00	.00	.04	.09	.05	.01	.03	.01
Dressmaking shops	.00	.00	.00	.00	.01	.01	.00	.00	.00
Misc personal services	.00	.00	.00	.19	.32	.24	.10	.18	.13
Miscellaneous business services	.01	.01	.02	3.47	4.21	5.27	1.25	1.59	2.17
Advertising	.00	.00	.00	.53	.46	.37	.47	.56	.55
Business management services	.00	.00	.00	.49	.57	.78	.11	.14	.20
Commercial research,development	.00	.00	.00	.13	.16	.24	.01	.01	.02
Computer programing	.00	.00	.00	.26	.33	.59	.05	.07	.14
Detective and protective serv	.00	.00	.00	.13	.23	.42	.02	.05	.08
Employment,temporary help	.00	.00	.00	.41	.52	.49	.05	.09	.17
Services to buildings	.00	.00	.00	.31	.34	.41	.05	.08	.21
Other business services	.00	.01	.01	1.18	1.56	1.92	.44	.56	.76
Automobile services	.00	.00	.00	1.04	1.31	1.34	.07	.09	.10
Automobile repair	.00	.00	.00	.49	.74	.68	.03	.05	.03
Automobile services,exc repair	.00	.00	.00	.55	.56	.65	.03	.04	.06
Other repair services	.00	.00	.00	.44	.54	.45	.06	.08	.07
Electrical repair	.00	.00	.00	.17	.15	.12	.02	.02	.03
Other repair,exc electrical	.00	.00	.00	.26	.39	.32	.04	.05	.04
Motion pictures and theaters	.02	.01	.01	.82	.61	.94	.15	.07	.05
Miscellaneous entertainment	.25	.29	.13	1.08	1.65	1.83	.10	.15	.08
Bowling alleys,billardrs	.05	.04	.01	.37	.40	.30	.01	.01	.00
Other entertainment	.20	.25	.12	.71	1.25	1.53	.09	.14	.08
Medical and other health service	.15	.15	.22	.19	.33	.30	.05	.08	.14
Offices of physicians	.00	.00	.00	.02	.02	.02	.00	.00	.00
Offices of dentists	.00	.00	.00	.01	.01	.00	.00	.00	.00
Hospitals	.13	.12	.17	.00	.00	.00	.03	.03	.05
Convalescent institutions	.01	.01	.04	.00	.00	.00	.00	.01	.04
Other health services	.00	.01	.01	.14	.29	.27	.01	.03	.04
Legal services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Educational services	6.16	6.45	6.21	1.57	1.85	2.09	.14	.16	.23
Elementary and secondary school	5.66	5.99	5.68	.43	.56	.54	.02	.03	.04
Colleges and universities	.35	.31	.37	.81	.87	1.00	.06	.06	.08
Libraries	.00	.00	.00	.01	.01	.04	.00	.00	.00
Other educatinal services	.14	.14	.16	.32	.39	.49	.05	.06	.10
Museums,art galleries,zoos	.00	.00	.00	.05	.06	.12	.02	.03	.08
Nonprofit organizations	.90	.71	.44	1.36	1.43	1.81	.16	.17	.23
Religious organizations	.02	.02	.01	.10	.11	.08	.01	.01	.02
Welfare services	.00	.01	.01	.78	.76	1.02	.05	.05	.09
Residential welfare services	.00	.00	.00	.04	.05	.07	.00	.00	.00
Nonprofit membership organiztns	.86	.68	.41	.43	.50	.63	.09	.10	.12
Other professional services	.01	.02	.03	.79	.97	.93	.07	.09	.12
Engineering and architectural	.00	.00	.01	.36	.47	.38	.02	.03	.05
Accounting and auditing	.00	.00	.00	.20	.25	.31	.02	.03	.02
Miscellaneous professional serv	.00	.00	.01	.23	.24	.23	.02	.03	.05
Government,total	.06	.04	.03	.00	.00	.00	.08	.07	.02
Federal public administration	.03	.02	.02	.00	.00	.00	.05	.04	.01
Federal pub adm,exc post office	.03	.02	.02	.00	.00	.00	.05	.04	.01
State public administration	.02	.02	.01	.00	.00	.00	.01	.01	.00
Local public administration	.00	.00	.00	.00	.00	.00	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Advertising agent, sales workers			Auctioneers			Demonstrators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.01	.01	.00	2.89	1.98	2.35	.00	.00	.00
Agriculture	.01	.01	.00	2.89	1.98	2.35	.00	.00	.00
Agricultural production	.01	.01	.00	.00	.00	.00	.00	.00	.00
Services, except horticulture	.00	.00	.00	2.89	1.98	2.35	.00	.00	.00
Mining	.03	.10	.21	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.02	.09	.20	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.01	.01	.00	.00	.00	.00	.00	.00	.00
Construction	.12	.09	.00	.00	.00	.00	.00	.00	.00
General building contractors	.07	.05	.00	.00	.00	.00	.00	.00	.00
General contractors, exc building	.05	.04	.00	.00	.00	.00	.00	.00	.00
Manufacturing	32.48	31.64	31.22	.67	.38	.00	.12	.08	.00
Durable goods	2.16	2.23	2.62	.41	.27	.00	.12	.08	.00
Ordnance	.03	.01	.01	.00	.00	.00	.00	.00	.00
Lumber and wood products	.05	.07	.11	.00	.00	.00	.00	.00	.00
Sawmill, planing and mill work	.04	.06	.11	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.07	.08	.13	.21	.11	.00	.01	.00	.00
Stone, clay, and glass products	.12	.15	.19	.10	.08	.00	.01	.01	.00
Glass and glass products	.02	.03	.06	.10	.08	.00	.00	.00	.00
Cement, concrete, plaster	.08	.08	.06	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	.01	.03	.06	.00	.00	.00	.00	.00	.00
Primary metal industries	.08	.07	.06	.00	.00	.00	.00	.00	.00
Blast furnaces, steel works	.02	.01	.00	.00	.00	.00	.00	.00	.00
Other primary steel	.03	.03	.04	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.03	.03	.02	.00	.00	.00	.00	.00	.00
Fabricated metal products	.19	.20	.23	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.02	.02	.01	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.03	.05	.11	.00	.00	.00	.00	.00	.00
Metal stamping	.03	.03	.02	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.08	.09	.07	.00	.00	.00	.00	.00	.00
Machinery except electrical	.38	.45	.64	.00	.00	.00	.00	.00	.00
Engines and turbines	.02	.02	.01	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.03	.04	.08	.00	.00	.00	.00	.00	.00
Construction machines	.03	.03	.04	.00	.00	.00	.00	.00	.00
Metalworking machinery	.05	.05	.03	.00	.00	.00	.00	.00	.00
Office and accounting machines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.02	.04	.11	.00	.00	.00	.00	.00	.00
Other machinery, exc electrical	.20	.23	.34	.00	.00	.00	.00	.00	.00
Electrical machinery	.43	.42	.47	.00	.00	.00	.04	.03	.00
Household appliances	.11	.09	.07	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	.16	.15	.20	.00	.00	.00	.02	.01	.00
Other electrical machinery	.15	.16	.19	.00	.00	.00	.01	.01	.00
Transportation equipment	.09	.06	.00	.09	.07	.00	.04	.03	.00
Motor vehicles and equipment	.05	.03	.00	.00	.00	.00	.01	.01	.00
Aircraft and parts	.02	.01	.00	.00	.00	.00	.02	.01	.00
Ship, boat building and repair	.00	.00	.00	.09	.07	.00	.00	.00	.00
Professional, scientific instrs	.19	.21	.24	.00	.00	.00	.00	.00	.00
Scientific instruments	.07	.09	.12	.00	.00	.00	.00	.00	.00
Optical, health serv supplies	.05	.05	.01	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.04	.05	.11	.00	.00	.00	.00	.00	.00
Watches and clock devices	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.47	.47	.49	.00	.00	.00	.00	.00	.00
Nondurable goods	30.32	29.40	28.60	.25	.11	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Advertising agent, sales workers			Auctioneers			Demonstrators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.80	.66	.55	.25	.11	.00	.00	.00	.00
Meat	.04	.04	.03	.00	.00	.00	.00	.00	.00
Dairy	.12	.09	.08	.00	.00	.00	.00	.00	.00
Canning and preserving	.04	.03	.03	.00	.00	.00	.00	.00	.00
Grain mill	.05	.05	.06	.00	.00	.00	.00	.00	.00
Bakery	.06	.03	.01	.25	.11	.00	.00	.00	.00
Confectionery	.01	.00	.00	.00	.00	.00	.00	.00	.00
Beverages	.43	.36	.31	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.03	.02	.01	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.12	.09	.07	.00	.00	.00	.00	.00	.00
Textile mill products	.03	.04	.10	.00	.00	.00	.00	.00	.00
Knitting mills	.02	.02	.07	.00	.00	.00	.00	.00	.00
Miscellaneous textile mill	.01	.02	.03	.00	.00	.00	.00	.00	.00
Apparel and textile products	.09	.05	.00	.00	.00	.00	.00	.00	.00
Apparel and accessories	.09	.05	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.14	.15	.21	.00	.00	.00	.00	.00	.00
Pulp, paper paperboard mills	.09	.08	.08	.00	.00	.00	.00	.00	.00
Paperboard containers, boxes	.02	.01	.02	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.03	.04	.10	.00	.00	.00	.00	.00	.00
Printing and publishing	28.59	27.89	27.14	.00	.00	.00	.00	.00	.00
Newspaper publishing, printing	20.99	20.58	20.46	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	7.60	7.31	6.67	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.33	.33	.36	.00	.00	.00	.00	.00	.00
Industrial chemicals	.05	.04	.03	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.01	.01	.00	.00	.00	.00	.00	.00	.00
Drugs and medicines	.09	.10	.10	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.13	.11	.08	.00	.00	.00	.00	.00	.00
Paints and varnishes	.04	.05	.12	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Petroleum refining	.03	.02	.00	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.10	.11	.10	.00	.00	.00	.00	.00	.00
Rubber	.05	.04	.02	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.05	.07	.08	.00	.00	.00	.00	.00	.00
Leather products	.04	.03	.02	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.04	.03	.02	.00	.00	.00	.00	.00	.00
Transportation, other public util	17.93	20.41	25.25	.00	.00	.00	.87	.84	1.52
Transportation, total	.27	.29	.40	.00	.00	.00	.02	.01	.00
Railroads and railway express	.02	.01	.00	.00	.00	.00	.00	.00	.00
Local and interurban transit	.02	.03	.07	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.02	.03	.07	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.04	.03	.00	.00	.00	.00	.01	.01	.00
Trucking services	.03	.02	.00	.00	.00	.00	.00	.00	.00
Water transportation	.03	.03	.06	.00	.00	.00	.00	.00	.00
Air transportation	.09	.11	.20	.00	.00	.00	.00	.00	.00
Transportation services	.05	.06	.06	.00	.00	.00	.00	.00	.00
Communicatns, utils, sanitary serv	17.65	20.11	24.84	.00	.00	.00	.85	.83	1.52
Communications	17.48	19.94	24.69	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	1.50	1.58	1.94	.00	.00	.00	.00	.00	.00
Telegraph, misc communicatn serv	.02	.03	.01	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	15.95	18.32	22.74	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.17	.17	.15	.00	.00	.00	.84	.82	1.52
Electric light and power	.06	.06	.03	.00	.00	.00	.40	.40	.66
Electric-gas utilities	.04	.03	.00	.00	.00	.00	.17	.15	.27
Gas steam supply systems	.02	.02	.01	.00	.00	.00	.26	.26	.59
Water supply	.03	.05	.09	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	6.26	6.78	5.93	39.22	46.23	43.98	98.13	97.70	94.31
Wholesale trade	2.31	2.26	1.52	19.24	21.12	15.78	.02	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Advertising agent, sales workers			Auctioneers			Demonstrators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	1.04	1.05	.76	18.71	20.32	13.44	.00	.00	.00
Motor vehicles and equipment	.08	.09	.10	2.14	2.10	2.71	.00	.00	.00
Drugs, chemicals, allied product	.10	.11	.09	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.05	.04	.03	.00	.00	.00	.00	.00	.00
Food and related products	.24	.24	.18	.34	.22	.00	.00	.00	.00
Farm products-raw materials	.01	.02	.01	15.49	17.45	10.73	.00	.00	.00
Electrical goods	.29	.26	.18	.25	.17	.00	.00	.00	.00
Hardware and plumbing	.05	.05	.03	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.18	.19	.10	.47	.37	.00	.00	.00	.00
Miscellaneous wholesale trade	1.27	1.21	.75	.52	.80	2.33	.02	.01	.00
Metals and minerals, other	.04	.03	.02	.00	.00	.00	.00	.00	.00
Petroleum products	.07	.07	.04	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.34	.38	.22	.00	.00	.00	.00	.00	.00
Paper and paper products	.11	.09	.10	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.02	.02	.01	.00	.00	.00	.00	.00	.00
Other wholesale trade	.66	.59	.34	.52	.80	2.33	.00	.00	.00
Retail trade	3.95	4.52	4.40	19.98	25.11	28.20	98.10	97.68	94.31
Building materials	.10	.11	.12	.00	.00	.00	.00	.00	.00
Lumber, building material	.10	.11	.12	.00	.00	.00	.00	.00	.00
General merchandise, total	1.69	1.91	1.96	.74	.45	.37	95.47	95.21	90.53
Department stores, mail order	1.17	1.34	1.47	.00	.00	.00	1.95	2.12	5.85
Limited price stores	.16	.17	.23	.00	.00	.00	.38	.32	.70
Direct selling	.22	.28	.15	.74	.45	.37	93.07	92.66	83.52
Miscellaneous merchandise store	.11	.10	.10	.00	.00	.00	.05	.09	.45
Food and dairy stores	.39	.38	.21	.00	.00	.00	1.46	1.48	2.72
Grocery stores	.35	.33	.17	.00	.00	.00	1.20	1.07	1.67
Dairy products	.00	.00	.00	.00	.00	.00	.08	.10	.17
Retail bakeries	.01	.01	.01	.00	.00	.00	.04	.12	.48
Food stores, other	.02	.02	.01	.00	.00	.00	.13	.18	.39
Auto dealers, gas stations	.23	.21	.09	1.14	.97	1.55	.00	.00	.00
Motor vehicle dealers	.15	.13	.06	.92	.90	1.55	.00	.00	.00
Tire, battery, accessory dealers	.03	.04	.02	.00	.00	.00	.00	.00	.00
Gasoline service stations	.04	.02	.00	.21	.07	.00	.00	.00	.00
Apparel and accessory stores	.43	.57	.72	.38	.27	.00	.00	.00	.00
Apparel, accessory, except shoes	.36	.48	.55	.38	.27	.00	.00	.00	.00
Shoe stores	.06	.09	.17	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.41	.51	.61	.23	.14	.00	1.13	.95	1.05
Home furnishings	.26	.30	.39	.23	.14	.00	.31	.33	.81
Household appliances, tv, radio	.15	.20	.22	.00	.00	.00	.82	.62	.24
Eating and drinking places	.13	.14	.00	.00	.00	.00	.02	.02	.00
Miscellaneous retail trade	.54	.66	.66	17.47	23.26	26.27	.00	.00	.00
Drug stores	.17	.18	.24	.10	.07	.00	.00	.00	.00
Jewelry stores	.05	.09	.14	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.30	.37	.27	17.36	23.19	26.27	.00	.00	.00
Finance, insurance and real estate	1.18	1.28	1.70	4.52	4.75	6.50	.00	.00	.00
Finance, total	.25	.29	.55	.90	.70	.55	.00	.00	.00
Banking	.12	.14	.27	.21	.14	.00	.00	.00	.00
Credit agencies	.02	.05	.17	.14	.10	.00	.00	.00	.00
Stock brokers, investment cos	.10	.10	.09	.54	.45	.55	.00	.00	.00
Insurance	.59	.52	.45	.00	.00	.00	.00	.00	.00
Real estate	.34	.46	.69	3.61	4.05	5.94	.00	.00	.00
Services, total	41.95	39.66	35.67	52.68	46.63	47.16	.86	1.36	4.15

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Advertising agent, sales workers			Auctioneers			Demonstrators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.07	.09	.14	.00	.00	.00	.00	.00	.00
Hotels and motels	.07	.09	.14	.00	.00	.00	.00	.00	.00
Other personal services	.15	.30	.23	.00	.00	.00	.00	.00	.00
Dressmaking shops	.02	.03	.02	.00	.00	.00	.00	.00	.00
Misc personal services	.13	.26	.20	.00	.00	.00	.00	.00	.00
Miscellaneous business services	40.44	37.59	33.14	50.97	45.13	46.18	.77	1.27	4.15
Advertising	37.77	34.28	30.57	.25	.14	.00	.00	.00	.00
Business management services	1.53	1.78	1.32	.00	.00	.00	.00	.00	.00
Commercial research, development	.01	.01	.02	.00	.00	.00	.00	.00	.00
Computer programing	.06	.08	.11	.00	.00	.00	.00	.00	.00
Detective and protective serv	.02	.02	.03	.00	.00	.00	.00	.00	.00
Employment, temporary help	.22	.29	.22	.00	.00	.00	.42	.57	1.26
Services to buildings	.03	.04	.08	.00	.00	.00	.00	.00	.00
Other business services	.76	1.04	.75	50.71	44.99	46.18	.34	.69	2.88
Automobile services	.01	.01	.00	.09	.05	.00	.00	.00	.00
Automobile services, exc repair	.01	.01	.00	.09	.05	.00	.00	.00	.00
Other repair services	.00	.00	.00	.23	.21	.00	.00	.00	.00
Electrical repair	.00	.00	.00	.05	.02	.00	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.18	.18	.00	.00	.00	.00
Motion pictures and theaters	.22	.18	.35	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.14	.35	.53	.00	.00	.00	.00	.00	.00
Other entertainment	.14	.35	.53	.00	.00	.00	.00	.00	.00
Medical and other health service	.00	.02	.00	.00	.00	.00	.00	.00	.00
Other health services	.00	.02	.00	.00	.00	.00	.00	.00	.00
Legal services	.00	.00	.00	.05	.00	.00	.00	.00	.00
Educational services	.22	.27	.38	.67	.47	.00	.06	.06	.00
Elementary and secondary school	.00	.00	.00	.67	.47	.00	.00	.01	.00
Colleges and universities	.15	.20	.33	.00	.00	.00	.05	.05	.00
Other educational services	.06	.07	.04	.00	.00	.00	.00	.00	.00
Museums, art galleries, zoos	.01	.01	.01	.65	.75	.97	.00	.00	.00
Nonprofit organizations	.29	.35	.43	.00	.00	.00	.00	.01	.00
Religious organizations	.03	.02	.00	.00	.00	.00	.00	.00	.00
Welfare services	.01	.00	.00	.00	.00	.00	.00	.01	.00
Nonprofit membership organiztns	.25	.31	.43	.00	.00	.00	.00	.00	.00
Private households	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other professional services	.35	.45	.42	.00	.00	.00	.00	.00	.00
Engineering and architectural	.04	.08	.17	.00	.00	.00	.00	.00	.00
Accounting and auditing	.18	.21	.14	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.12	.15	.11	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Hucksters and peddlers			Insurance agents and brokers			Newspaper carriers and vendors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	.00	.00	.00	.00	.00	.00	78.38	64.35	77.42
Nondurable goods	.00	.00	.00	.00	.00	.00	78.38	64.35	77.42
Printing and publishing	.00	.00	.00	.00	.00	.00	78.38	64.35	77.42
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	77.21	63.58	77.03
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	1.16	.77	.38
Wholesale and retail trade	97.66	98.01	99.09	.00	.00	.00	21.61	35.64	22.57
Retail trade	97.66	98.01	99.09	.00	.00	.00	21.61	35.64	22.57
General merchandise,total	97.66	98.01	99.09	.00	.00	.00	19.90	33.30	17.85
Direct selling	97.66	98.01	99.09	.00	.00	.00	19.90	33.30	17.85
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	1.71	2.33	4.71
Misc retail trade stores	.00	.00	.00	.00	.00	.00	1.71	2.33	4.71
Finance,insurance and real estate	.00	.00	.00	100.00	100.00	100.00	.00	.00	.00
Finance,total	.00	.00	.00	.53	.61	.85	.00	.00	.00
Banking	.00	.00	.00	.33	.37	.54	.00	.00	.00
Credit agencies	.00	.00	.00	.11	.13	.18	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.09	.10	.13	.00	.00	.00
Insurance	.00	.00	.00	97.98	97.55	97.25	.00	.00	.00
Real estate	.00	.00	.00	1.48	1.83	1.88	.00	.00	.00
Services, total	2.33	1.98	.90	.00	.00	.00	.00	.00	.00
Other personal services	.01	.03	.09	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.03	.09	.00	.00	.00	.00	.00	.00
Miscellaneous business services	2.32	1.94	.81	.00	.00	.00	.00	.00	.00
Other business services	2.32	1.94	.81	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Real estate agents, brokers			Stock and bond sales agents			Other sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.15	.31	.31
Agriculture	.00	.00	.00	.00	.00	.00	.14	.29	.30
Agricultral production	.00	.00	.00	.00	.00	.00	.06	.20	.23
Services,except horticulture	.00	.00	.00	.00	.00	.00	.02	.02	.01
Horticultural services	.00	.00	.00	.00	.00	.00	.04	.06	.05
Mining	.00	.00	.00	.00	.00	.00	.07	.08	.03
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.05	.05	.00
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.02	.02	.01
Construction	.00	.00	.00	.00	.00	.00	.47	.60	.80
General building contractors	.00	.00	.00	.00	.00	.00	.17	.19	.17
General contractors,exc building	.00	.00	.00	.00	.00	.00	.04	.05	.07
Special trade contractors	.00	.00	.00	.00	.00	.00	.25	.35	.56
Manufacturing	.00	.00	.00	.00	.00	.00	10.41	9.67	8.73
Durable goods	.00	.00	.00	.00	.00	.00	4.38	4.14	3.54
Ordnance	.00	.00	.00	.00	.00	.00	.01	.00	.00
Lumber and wood products	.00	.00	.00	.00	.00	.00	.16	.17	.21
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	.10	.11	.13
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.05	.05	.06
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.27	.29	.33
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	.36	.37	.35
Glass and glass products	.00	.00	.00	.00	.00	.00	.05	.05	.05
Cement,concrete,plaster	.00	.00	.00	.00	.00	.00	.16	.16	.16
Structural clay products	.00	.00	.00	.00	.00	.00	.03	.03	.02
Pottery and related products	.00	.00	.00	.00	.00	.00	.01	.01	.02
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.09	.09	.09
Primary metal industries	.00	.00	.00	.00	.00	.00	.30	.27	.25
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	.09	.07	.07
Other primary steel	.00	.00	.00	.00	.00	.00	.09	.08	.10
Primary aluminum	.00	.00	.00	.00	.00	.00	.05	.05	.03
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.07	.06	.03
Fabricated metal products	.00	.00	.00	.00	.00	.00	.64	.60	.48
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.10	.11	.15
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.22	.22	.21
Screw machine products	.00	.00	.00	.00	.00	.00	.05	.05	.03
Metal stamping	.00	.00	.00	.00	.00	.00	.06	.04	.01
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.19	.16	.07
Machinery except electrical	.00	.00	.00	.00	.00	.00	1.05	.97	.74
Engines and turbines	.00	.00	.00	.00	.00	.00	.02	.01	.00
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.07	.07	.09
Construction machines	.00	.00	.00	.00	.00	.00	.14	.14	.08
Metalworking machinery	.00	.00	.00	.00	.00	.00	.16	.15	.11
Office and accounting machines	.00	.00	.00	.00	.00	.00	.11	.08	.07
Electronic ccomputing equipment	.00	.00	.00	.00	.00	.00	.12	.14	.19
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.42	.36	.18
Electrical machinery	.00	.00	.00	.00	.00	.00	.56	.44	.21
Household appliances	.00	.00	.00	.00	.00	.00	.08	.05	.01
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.11	.08	.05
Other electrical machinery	.00	.00	.00	.00	.00	.00	.36	.31	.14
Transportation equipment	.00	.00	.00	.00	.00	.00	.31	.34	.39
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.15	.18	.22
Aircraft and parts	.00	.00	.00	.00	.00	.00	.06	.06	.06
Ship,boat building and repair	.00	.00	.00	.00	.00	.00	.02	.02	.02
Mobile dwellings	.00	.00	.00	.00	.00	.00	.04	.04	.07
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.01	.01	.01
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	.26	.26	.19
Scientific instruments	.00	.00	.00	.00	.00	.00	.08	.06	.02
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.11	.13	.08
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.05	.05	.07
Watches and clock devices	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	.41	.38	.34
Nondurable goods	.00	.00	.00	.00	.00	.00	6.03	5.52	5.19

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Real estate agents, brokers			Stock and bond sales agents			Other sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	1.68	1.35	.95
Meat	.00	.00	.00	.00	.00	.00	.23	.19	.10
Dairy	.00	.00	.00	.00	.00	.00	.18	.10	.02
Canning and preserving	.00	.00	.00	.00	.00	.00	.09	.07	.05
Grain mill	.00	.00	.00	.00	.00	.00	.15	.14	.11
Bakery	.00	.00	.00	.00	.00	.00	.41	.32	.23
Confectionery	.00	.00	.00	.00	.00	.00	.08	.06	.03
Beverages	.00	.00	.00	.00	.00	.00	.34	.28	.22
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.16	.16	.16
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.07	.05	.05
Textile mill products	.00	.00	.00	.00	.00	.00	.27	.24	.29
Knitting mills	.00	.00	.00	.00	.00	.00	.06	.05	.07
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.01	.01	.01
Floor coverings	.00	.00	.00	.00	.00	.00	.03	.04	.07
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.12	.10	.09
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.03	.02	.02
Apparel and textile products	.00	.00	.00	.00	.00	.00	.74	.70	.68
Apparel and accessories	.00	.00	.00	.00	.00	.00	.64	.60	.59
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.10	.10	.09
Paper and allied products	.00	.00	.00	.00	.00	.00	.48	.44	.52
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.11	.09	.09
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.20	.17	.21
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.17	.18	.21
Printing and publishing	.00	.00	.00	.00	.00	.00	1.10	1.04	.96
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.18	.19	.22
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.91	.85	.74
Chemicals and allied products	.00	.00	.00	.00	.00	.00	1.15	1.14	1.24
Industrial chemicals	.00	.00	.00	.00	.00	.00	.18	.17	.17
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.04	.03	.04
Synthetic fibers	.00	.00	.00	.00	.00	.00	.01	.01	.01
Drugs and medicines	.00	.00	.00	.00	.00	.00	.36	.44	.50
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.21	.21	.24
Paints and varnishes	.00	.00	.00	.00	.00	.00	.13	.12	.13
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.06	.06	.04
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.12	.08	.09
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.10	.09	.07
Petroleum refining	.00	.00	.00	.00	.00	.00	.05	.05	.02
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.04	.04	.05
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.26	.30	.30
Rubber	.00	.00	.00	.00	.00	.00	.12	.11	.12
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.13	.18	.18
Leather products	.00	.00	.00	.00	.00	.00	.15	.11	.09
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.09	.07	.04
All other leather	.00	.00	.00	.00	.00	.00	.05	.04	.04
Transportation, other public util	.00	.00	.00	.00	.00	.00	.95	.89	.86
Transportation,total	.00	.00	.00	.00	.00	.00	.54	.50	.47
Railroads and railway express	.00	.00	.00	.00	.00	.00	.03	.02	.01
Local and interurban transit	.00	.00	.00	.00	.00	.00	.01	.01	.02
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.01	.01	.02
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.29	.24	.15
Trucking services	.00	.00	.00	.00	.00	.00	.25	.21	.13
Warehousing and storage	.00	.00	.00	.00	.00	.00	.03	.03	.02
Water transportation	.00	.00	.00	.00	.00	.00	.03	.02	.00
Air transportation	.00	.00	.00	.00	.00	.00	.06	.06	.06
Transportation services	.00	.00	.00	.00	.00	.00	.09	.13	.21
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.40	.38	.38
Communications	.00	.00	.00	.00	.00	.00	.17	.18	.23
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.16	.18	.23
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.01	.00	.00
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.22	.20	.15
Electric light and power	.00	.00	.00	.00	.00	.00	.08	.09	.08
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.06	.05	.05
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.07	.04	.01
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	85.34	85.16	85.17
Wholesale trade	.00	.00	.00	.00	.00	.00	16.55	18.82	17.29

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Real estate agents, brokers			Stock and bond sales agents			Other sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.00	.00	.00	11.67	13.75	13.15
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	1.68	2.00	2.00
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	1.30	1.41	1.28
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.92	.92	.88
Food and related products	.00	.00	.00	.00	.00	.00	1.82	1.98	1.71
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.14	.22	.15
Electrical goods	.00	.00	.00	.00	.00	.00	1.54	1.69	1.67
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.86	.98	.82
Machinery equipment,supplies	.00	.00	.00	.00	.00	.00	3.38	4.51	4.61
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	4.88	5.07	4.13
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.44	.42	.33
Petroleum products	.00	.00	.00	.00	.00	.00	.37	.41	.34
Scrap and waste material	.00	.00	.00	.00	.00	.00	.09	.11	.06
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.51	.65	.50
Paper and paper products	.00	.00	.00	.00	.00	.00	.77	.69	.61
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.54	.58	.62
Other wholesale trade	.00	.00	.00	.00	.00	.00	2.12	2.17	1.63
Retail trade	.00	.00	.00	.00	.00	.00	68.78	66.33	67.88
Building materials	.00	.00	.00	.00	.00	.00	4.00	4.15	4.78
Lumber,building material	.00	.00	.00	.00	.00	.00	1.95	2.46	2.71
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	2.05	1.68	2.06
General merchandise,total	.00	.00	.00	.00	.00	.00	23.27	20.70	21.81
Department stores,mail order	.00	.00	.00	.00	.00	.00	16.22	15.41	17.10
Limited price stores	.00	.00	.00	.00	.00	.00	3.31	2.30	1.79
Vending machine operators	.00	.00	.00	.00	.00	.00	.06	.07	.11
Direct selling	.00	.00	.00	.00	.00	.00	.40	.43	.26
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	3.27	2.48	2.53
Food and dairy stores	.00	.00	.00	.00	.00	.00	6.82	5.61	4.43
Grocery stores	.00	.00	.00	.00	.00	.00	4.33	3.25	2.45
Dairy products	.00	.00	.00	.00	.00	.00	.37	.36	.25
Retail bakeries	.00	.00	.00	.00	.00	.00	1.04	1.01	.93
Food stores,other	.00	.00	.00	.00	.00	.00	1.07	.98	.78
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	6.37	6.49	6.03
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	4.29	4.15	3.34
Tire,battery,accessory dealrns	.00	.00	.00	.00	.00	.00	1.36	1.45	1.51
Gasoline service stations	.00	.00	.00	.00	.00	.00	.19	.18	.24
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.52	.70	.92
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	10.43	10.33	11.08
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	8.20	8.22	8.61
Shoe stores	.00	.00	.00	.00	.00	.00	2.23	2.10	2.47
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	3.74	4.25	4.93
Home furnishings	.00	.00	.00	.00	.00	.00	2.26	2.52	3.28
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	1.48	1.72	1.65
Eating and drinking places	.00	.00	.00	.00	.00	.00	.92	1.61	1.97
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	13.19	13.17	12.82
Drug stores	.00	.00	.00	.00	.00	.00	4.22	3.59	4.10
Liquor stores	.00	.00	.00	.00	.00	.00	1.63	1.77	1.84
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.72	.70	.50
Jewelry stores	.00	.00	.00	.00	.00	.00	1.10	1.18	1.24
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.19	.15	.11
Retail florists	.00	.00	.00	.00	.00	.00	.47	.49	.52
Misc retail trade stores	.00	.00	.00	.00	.00	.00	4.84	5.26	4.49
Finance,insurance and real estate	100.00	100.00	100.00	100.00	100.00	100.00	.06	.06	.12
Finance,total	.00	.00	.00	98.22	97.99	98.47	.06	.06	.12
Banking	.00	.00	.00	2.92	3.56	8.12	.03	.03	.05
Credit agencies	.00	.00	.00	2.48	2.77	6.08	.03	.03	.07
Stock brokers,investment cos	.00	.00	.00	92.81	91.65	84.26	.00	.00	.00
Insurance	.00	.00	.00	.75	.74	.16	.00	.00	.00
Real estate	100.00	100.00	100.00	1.01	1.26	1.35	.00	.00	.00
Services, total	.00	.00	.00	.00	.00	.00	2.40	3.09	3.92

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Real estate agents, brokers			Stock and bond sales agents			Other sales workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.07	-.09	.11
Hotels and motels	.00	.00	.00	.00	.00	.00	.06	-.08	.10
Other lodging places	.00	.00	.00	.00	.00	.00	.01	-.01	.01
Other personal services	.00	.00	.00	.00	.00	.00	.43	-.51	.34
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.24	-.17	.12
Beauty shops	.00	.00	.00	.00	.00	.00	.01	-.03	.01
Shoe repair shops	.00	.00	.00	.00	.00	.00	.02	-.05	.02
Misc personal services	.00	.00	.00	.00	.00	.00	.14	-.25	.17
Miscellaneous business services	.00	.00	.00	.00	.00	.00	.77	1.17	1.98
Business management services	.00	.00	.00	.00	.00	.00	.13	-.16	.25
Commercial research,development	.00	.00	.00	.00	.00	.00	.01	-.01	.03
Computer programing	.00	.00	.00	.00	.00	.00	.07	-.10	.19
Detective and protective serv	.00	.00	.00	.00	.00	.00	.03	-.07	.11
Employment,temporary help	.00	.00	.00	.00	.00	.00	.06	-.11	.21
Services to buildings	.00	.00	.00	.00	.00	.00	.07	-.12	.28
Other business services	.00	.00	.00	.00	.00	.00	.37	-.59	.88
Automobile services	.00	.00	.00	.00	.00	.00	.09	-.12	.13
Automobile repair	.00	.00	.00	.00	.00	.00	.04	-.07	.04
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.04	-.05	.09
Other repair services	.00	.00	.00	.00	.00	.00	.09	-.11	.10
Electrical repair	.00	.00	.00	.00	.00	.00	.03	-.03	.04
Other repair,exc electrical	.00	.00	.00	.00	.00	.00	.05	-.08	.05
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.20	-.10	.06
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.13	-.20	.10
Bowling alleys,billardards	.00	.00	.00	.00	.00	.00	.01	-.01	.00
Other entertainment	.00	.00	.00	.00	.00	.00	.11	-.18	.09
Medical and other health service	.00	.00	.00	.00	.00	.00	.06	-.12	.19
Hospitals	.00	.00	.00	.00	.00	.00	.04	-.05	.07
Convalescent institutions	.00	.00	.00	.00	.00	.00	.00	-.01	.06
Other health services	.00	.00	.00	.00	.00	.00	.01	-.05	.06
Educational services	.00	.00	.00	.00	.00	.00	.18	-.22	.30
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.03	-.05	.06
Colleges and universities	.00	.00	.00	.00	.00	.00	.08	-.09	.10
Other educational services	.00	.00	.00	.00	.00	.00	.07	-.08	.14
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.03	-.05	.10
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.21	-.23	.30
Religious organizations	.00	.00	.00	.00	.00	.00	.01	-.02	.02
Welfare services	.00	.00	.00	.00	.00	.00	.07	-.07	.12
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.12	-.14	.16
Other professional services	.00	.00	.00	.00	.00	.00	.09	-.12	.16
Engineering and architectural	.00	.00	.00	.00	.00	.00	.02	-.04	.06
Accounting and auditing	.00	.00	.00	.00	.00	.00	.03	-.04	.03
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.03	-.04	.06
Government,total	.00	.00	.00	.00	.00	.00	.11	-.09	.02
Federal public administration	.00	.00	.00	.00	.00	.00	.07	-.05	.01
Federal pub adm,exc post office	.00	.00	.00	.00	.00	.00	.06	-.05	.01
State public administration	.00	.00	.00	.00	.00	.00	.02	-.02	.00
Local public administration	.00	.00	.00	.00	.00	.00	.01	-.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical workers			Stenogrphr, typists, secretaries			Legal secretaries		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.25	.34	.25	.30	.46	.32	.01	.00	.00
Agriculture	.22	.29	.21	.23	.37	.25	.01	.00	.00
Agricultural production	.07	.13	.08	.07	.19	.10	.01	.00	.00
Services,except horticulture	.11	.11	.08	.10	.11	.09	.00	.00	.00
Horticultural services	.03	.04	.03	.05	.06	.04	.00	.00	.00
Forestry	.03	.04	.02	.06	.07	.05	.00	.00	.00
Fisheries	.00	.00	.01	.00	.01	.01	.00	.00	.00
Mining	.41	.51	.39	.53	.65	.48	.46	.43	.39
Metal	.03	.03	.02	.05	.04	.03	.02	.01	.02
Coal	.04	.05	.05	.02	.03	.04	.00	.00	.01
Crude petroleum and natural gas	.27	.37	.27	.39	.52	.38	.42	.40	.34
Nonmetallic mining and quarrying	.06	.05	.03	.06	.05	.03	.00	.00	.00
Construction	1.97	2.05	1.95	2.31	2.30	2.08	.27	.16	.20
General building contractors	.40	.41	.38	.51	.49	.41	.06	.04	.05
General contractors,exc building	.69	.63	.67	.79	.69	.69	.17	.10	.14
Special trade contractors	.87	1.00	.89	1.00	1.11	.97	.03	.01	.00
Manufacturing	17.54	14.70	12.95	18.07	15.28	13.81	2.47	1.44	1.56
Durable goods	10.17	8.75	7.90	10.73	9.16	8.23	1.38	.82	.98
Ordnance	.33	.15	.12	.42	.18	.12	.10	.03	.03
Lumber and wood products	.23	.20	.17	.22	.21	.19	.01	.00	.00
Logging	.01	.01	.00	.00	.01	.00	.00	.00	.00
Sawmill,planing and mill work	.15	.14	.12	.15	.14	.13	.01	.00	.00
Miscellaneous wood products	.06	.05	.05	.06	.05	.05	.00	.00	.00
Furniture and fixtures	.31	.28	.30	.30	.29	.32	.01	.00	.00
Stone,clay,and glass products	.46	.39	.30	.50	.45	.38	.11	.07	.06
Glass and glass products	.12	.10	.08	.14	.13	.12	.04	.02	.02
Cement,concrete,plaster	.17	.14	.10	.17	.15	.12	.06	.03	.02
Structural clay products	.02	.01	.00	.03	.02	.01	.00	.00	.00
Pottery and related products	.02	.02	.01	.02	.02	.02	.00	.00	.00
Miscellaneous nonmetallic,stone	.11	.10	.08	.12	.11	.09	.00	.00	.00
Primary metal industries	.96	.74	.60	.83	.64	.52	.14	.07	.06
Blast furnaces,steel works	.44	.31	.24	.31	.22	.19	.09	.04	.03
Other primary steel	.23	.18	.15	.19	.15	.13	.02	.01	.01
Primary aluminum	.11	.10	.07	.12	.11	.07	.00	.00	.00
Other primary nonferrous	.18	.14	.13	.19	.15	.12	.02	.01	.01
Fabricated metal products	1.20	1.07	.96	1.20	1.08	.96	.08	.05	.08
Cutlery and other hardware	.15	.14	.12	.15	.13	.09	.01	.00	.01
Fabricated structural metal	.36	.33	.31	.35	.34	.36	.02	.02	.04
Screw machine products	.11	.09	.07	.10	.09	.07	.00	.00	.00
Metal stamping	.16	.14	.12	.16	.13	.11	.00	.00	.00
Miscellaneous fabricated metal	.41	.36	.31	.42	.37	.32	.04	.02	.03
Machinery except electrical	1.99	1.91	2.00	2.17	2.02	2.00	.21	.14	.18
Engines and turbines	.10	.10	.08	.09	.08	.06	.00	.00	.00
Farm machinery and equipment	.13	.11	.09	.11	.10	.09	.03	.03	.04
Construction machines	.31	.32	.31	.28	.28	.26	.05	.04	.04
Metalworking machinery	.27	.24	.25	.30	.27	.26	.01	.00	.00
Office and accounting machines	.12	.07	.05	.14	.09	.06	.01	.00	.00
Electronic computing equipment	.23	.28	.39	.31	.33	.43	.01	.01	.05
Other machinery,exc electrical	.81	.76	.79	.90	.83	.81	.08	.04	.04
Electrical machinery	1.95	1.67	1.54	2.27	1.87	1.61	.34	.24	.37
Household appliances	.15	.12	.10	.16	.12	.09	.00	.00	.00
Radio, tv communications equip	.73	.56	.44	.84	.61	.45	.16	.09	.11
Other electrical machinery	1.06	.99	1.00	1.26	1.13	1.06	.18	.14	.25
Transportation equipment	1.70	1.35	1.01	1.60	1.27	.97	.27	.14	.10
Motor vehicles and equipment	.60	.58	.47	.50	.49	.39	.07	.04	.03
Aircraft and parts	.78	.50	.25	.82	.55	.33	.18	.07	.02
Ship,boat building and repair	.21	.15	.13	.16	.12	.10	.01	.01	.03
Railroad equipment	.04	.04	.03	.03	.03	.02	.00	.00	.00
Mobile dwellings	.03	.04	.08	.04	.04	.08	.00	.00	.00
Cycles,misc transportation	.02	.02	.03	.02	.02	.02	.00	.00	.00
Professional,scientific instrs	.57	.56	.54	.70	.69	.65	.06	.05	.08
Scientific instruments	.22	.19	.15	.28	.24	.18	.00	.00	.00
Optical,health serv supplies	.16	.20	.21	.20	.24	.24	.03	.03	.05
Photo equipment and supplies	.15	.14	.15	.18	.17	.21	.03	.01	.02
Watches and clock devices	.03	.02	.01	.03	.02	.01	.00	.00	.00
Miscellaneous manufacturing	.42	.36	.33	.47	.42	.44	.00	.00	.00
Nondurable goods	7.37	5.95	5.04	7.34	6.12	5.58	1.09	.61	.57

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical workers			Stenogrphr, typists, secretaries			Legal secretaries		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.28	.97	.78	1.10	.89	.84	.16	.08	.08
Meat	.19	.16	.11	.11	.09	.07	.01	.00	.00
Dairy	.19	.11	.07	.14	.09	.07	.04	.02	.01
Canning and preserving	.19	.16	.15	.18	.16	.18	.03	.01	.01
Grain mill	.11	.09	.07	.12	.09	.08	.01	.00	.00
Bakery	.17	.12	.09	.09	.07	.07	.00	.00	.00
Confectionery	.06	.04	.03	.05	.04	.03	.00	.00	.00
Beverages	.18	.14	.12	.21	.17	.16	.03	.02	.04
Miscellaneous food preparation	.16	.13	.11	.16	.14	.15	.02	.01	.00
Tobacco manufacturing	.06	.04	.02	.05	.03	.02	.00	.00	.00
Textile mill products	.60	.45	.46	.53	.42	.46	.05	.02	.03
Knitting mills	.14	.11	.13	.11	.09	.11	.00	.00	.00
Dyeing,finishing textiles	.06	.04	.03	.05	.04	.03	.00	.00	.00
Floor coverings	.05	.04	.06	.05	.04	.07	.01	.00	.00
Yarn and fabric mills	.27	.20	.18	.25	.19	.20	.03	.02	.03
Miscellaneous textile mill	.05	.04	.04	.05	.04	.04	.00	.00	.00
Apparel and textile products	.80	.65	.56	.58	.50	.45	.04	.01	.00
Apparel and accessories	.68	.54	.45	.46	.38	.35	.03	.01	.00
Miscellaneous fabricated textile	.12	.11	.10	.12	.11	.10	.00	.00	.00
Paper and allied products	.62	.48	.44	.63	.51	.52	.12	.06	.05
Pulp,paper paperboard mills	.24	.17	.13	.25	.18	.15	.04	.01	.01
Paperboard containers,boxes	.19	.13	.13	.18	.13	.15	.05	.02	.00
Miscellaneous paper and pulp	.19	.17	.17	.20	.18	.20	.03	.02	.03
Printing and publishing	1.91	1.58	1.28	1.98	1.65	1.46	.12	.07	.07
Newspaper publishing, printing	.74	.64	.55	.54	.45	.41	.02	.02	.04
Other printing,exc newspapers	1.16	.93	.72	1.44	1.20	1.04	.09	.04	.02
Chemicals and allied products	1.12	.92	.88	1.47	1.22	1.15	.37	.22	.24
Industrial chemicals	.30	.24	.22	.40	.31	.28	.08	.05	.08
Plastics and synthetics	.09	.06	.05	.11	.08	.07	.03	.01	.01
Synthetic fibers	.05	.05	.06	.06	.05	.06	.01	.01	.01
Drugs and medicines	.21	.20	.18	.33	.34	.31	.15	.10	.08
Soaps and cosmetics	.18	.15	.15	.22	.18	.17	.01	.00	.00
Paints and varnishes	.09	.07	.07	.10	.08	.09	.02	.01	.01
Agricultural chemicals	.06	.05	.04	.08	.07	.05	.02	.01	.01
Miscellaneous chemicals	.11	.06	.07	.15	.09	.09	.02	.01	.02
Petroleum and coal products	.24	.20	.12	.28	.23	.15	.19	.10	.06
Petroleum refining	.20	.16	.08	.23	.18	.10	.19	.10	.06
Misc petroleum,coal products	.04	.04	.03	.05	.05	.04	.00	.00	.00
Rubber,miscellaneous plastics	.49	.47	.37	.53	.54	.43	.01	.00	.00
Rubber	.25	.20	.17	.24	.20	.18	.00	.00	.00
Miscellaneous plastics	.24	.28	.20	.28	.33	.25	.00	.00	.00
Leather products	.20	.13	.09	.15	.09	.06	.01	.00	.00
Leather tanning and finishing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.13	.08	.05	.09	.06	.03	.01	.00	.00
All other leather	.05	.04	.03	.04	.03	.02	.00	.00	.00
Transportation, other public util	8.41	7.22	5.89	4.57	4.19	3.80	.91	.54	.47
Transportation,total	3.32	2.96	2.33	2.07	1.89	1.45	.39	.22	.16
Railroads and railway express	.77	.46	.20	.37	.22	.11	.17	.07	.03
Local and interurban transit	.23	.19	.23	.08	.06	.07	.01	.00	.00
Street railways and bus lines	.18	.14	.18	.07	.05	.06	.01	.00	.00
Taxicab service	.05	.05	.04	.00	.01	.01	.00	.00	.00
Trucking and warehousing	.99	.99	.68	.77	.77	.53	.08	.06	.06
Trucking services	.86	.88	.60	.65	.67	.45	.06	.05	.05
Warehousing and storage	.13	.11	.08	.12	.10	.07	.01	.00	.00
Water transportation	.25	.21	.15	.22	.19	.14	.02	.01	.00
Air transportation	.76	.74	.66	.32	.28	.21	.07	.04	.03
Pipelines	.02	.02	.01	.01	.01	.01	.00	.00	.00
Transportation services	.27	.33	.36	.27	.33	.36	.02	.02	.03
Communicatns,utils,sanitary serv	5.09	4.26	3.56	2.49	2.29	2.35	.52	.32	.30
Communications	3.58	2.90	2.47	1.46	1.39	1.62	.19	.12	.12
Telephone(wire and radio)	3.25	2.57	2.15	1.01	.92	1.12	.09	.05	.04
Telegraph,misc communicatn serv	.15	.15	.10	.16	.17	.14	.01	.00	.00
Radio and tv broadcasting	.17	.17	.21	.28	.29	.36	.08	.05	.06
Utilities and sanitary services	1.50	1.35	1.09	1.03	.89	.72	.33	.20	.18
Electric light and power	.50	.51	.38	.36	.35	.24	.09	.06	.04
Electric-gas utilities	.38	.31	.26	.24	.18	.14	.10	.06	.09
Gas steam supply systems	.34	.27	.20	.23	.17	.14	.09	.05	.03
Water supply	.20	.18	.15	.12	.10	.09	.02	.01	.01
Sanitary services	.06	.06	.08	.06	.07	.08	.00	.00	.00
Wholesale and retail trade	21.16	22.06	22.58	12.26	12.21	11.17	.74	.47	.41
Wholesale trade	6.97	6.58	5.72	7.08	6.76	5.73	.51	.31	.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical workers			Stenogrphr, typists, secretaries			Legal secretaries		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	4.75	4.61	4.00	4.72	4.66	3.91	.23	.15	.14
Motor vehicles and equipment	.61	.60	.55	.42	.42	.37	.01	.00	.00
Drugs,chemicals,allied product	.51	.44	.35	.53	.48	.39	.04	.03	.04
Dry goods and apparel	.36	.29	.26	.31	.26	.22	.03	.01	.01
Food and related products	.67	.59	.45	.51	.46	.35	.02	.01	.00
Farm products-raw materials	.15	.18	.08	.11	.14	.06	.03	.02	.00
Electrical goods	.69	.63	.61	.78	.70	.60	.03	.02	.01
Hardware and plumbing	.39	.37	.30	.34	.32	.24	.00	.00	.00
Machinery equipment,supplies	1.35	1.48	1.36	1.68	1.85	1.63	.05	.04	.05
Miscellaneous wholesale trade	2.22	1.96	1.71	2.35	2.10	1.82	.27	.16	.12
Metals and minerals, other	.24	.20	.18	.30	.25	.23	.02	.01	.01
Petroleum products	.35	.31	.23	.31	.28	.21	.14	.07	.03
Scrap and waste material	.05	.05	.04	.06	.07	.05	.00	.00	.00
Alcoholic beverages	.13	.13	.10	.11	.11	.09	.01	.00	.00
Paper and paper products	.28	.21	.21	.30	.23	.23	.01	.00	.00
Lumber,construction materials	.21	.18	.18	.25	.22	.21	.02	.01	.01
Other wholesale trade	.94	.85	.74	1.01	.92	.79	.07	.04	.04
Retail trade	14.19	15.48	16.86	5.17	5.45	5.43	.23	.15	.14
Building materials	.66	.62	.51	.48	.48	.42	.00	.00	.00
Lumber,building material	.41	.42	.30	.35	.37	.30	.00	.00	.00
Hardware and farm equipment	.24	.20	.21	.12	.11	.11	.00	.00	.00
General merchandise,total	4.31	4.41	5.68	1.45	1.42	1.72	.00	.00	.00
Department stores,mail order	3.14	3.41	4.43	1.03	1.07	1.30	.00	.00	.00
Limited price stores	.53	.45	.52	.10	.08	.08	.00	.00	.00
Vending machine operators	.06	.06	.09	.05	.04	.06	.00	.00	.00
Direct selling	.08	.07	.06	.09	.08	.07	.00	.00	.00
Miscellaneous merchadise store	.48	.40	.57	.16	.13	.20	.00	.00	.00
Food and dairy stores	3.74	3.93	4.24	.32	.33	.33	.06	.03	.00
Grocery stores	3.61	3.78	4.10	.28	.28	.28	.05	.02	.00
Dairy products	.02	.03	.02	.01	.01	.00	.00	.00	.00
Retail bakeries	.04	.04	.04	.01	.01	.01	.00	.00	.00
Food stores,cther	.06	.07	.06	.02	.02	.02	.00	.00	.00
Auto dealers,gas stations	1.12	1.15	1.00	.83	.88	.71	.07	.05	.04
Motor vehicle dealers	.62	.59	.42	.51	.48	.31	.01	.00	.00
Tire,battery,accessory dealers	.19	.24	.26	.10	.13	.15	.00	.00	.00
Gasoline service stations	.24	.23	.20	.10	.12	.08	.04	.03	.03
Miscellaneous vehicle dealers	.07	.08	.10	.10	.13	.16	.01	.00	.00
Apparel and accessory stores	.80	.83	.69	.26	.28	.25	.01	.00	.01
Apparel,accessory,except shoes	.65	.68	.57	.21	.23	.22	.00	.00	.00
Shoe stores	.15	.14	.11	.05	.04	.02	.01	.00	.01
Furniture and appliance stores	.64	.60	.48	.56	.57	.54	.01	.00	.00
Home furnishings	.38	.34	.26	.32	.31	.28	.00	.00	.00
Household appliances,tv,radio	.25	.26	.22	.23	.26	.26	.00	.00	.00
Bating and drinking places	1.13	2.07	2.25	.26	.41	.34	.03	.02	.00
Miscellaneous retail trade	1.76	1.84	1.98	.99	1.05	1.09	.02	.03	.08
Drug stores	.69	.66	.75	.17	.16	.18	.00	.00	.00
Liquor stores	.09	.11	.11	.02	.02	.02	.00	.00	.00
Farm,garden supply stores	.12	.14	.13	.08	.10	.09	.00	.00	.00
Jewelry stores	.12	.13	.10	.08	.09	.08	.00	.00	.00
Fuel and ice dealers	.17	.12	.08	.14	.11	.08	.00	.00	.00
Retail florists	.05	.05	.05	.02	.03	.03	.00	.00	.00
Misc retail trade stores	.50	.60	.74	.44	.52	.58	.02	.03	.08
Finance,insurance and real estate	12.84	12.82	13.00	14.03	12.75	12.98	3.50	2.21	2.66
Finance,total	6.88	7.41	8.05	5.14	4.98	5.79	1.25	.94	1.57
Banking	4.67	5.08	5.56	2.59	2.45	2.98	.50	.38	.73
Credit agencies	1.44	1.64	1.85	1.49	1.60	1.92	.46	.39	.68
Stock brokers,investment cos	.76	.68	.62	1.04	.93	.88	.28	.16	.15
Insurance	4.91	4.32	4.00	7.13	5.89	5.66	1.62	.83	.75
Real estate	1.03	1.08	.94	1.76	1.86	1.52	.63	.43	.32
Services, total	25.20	29.74	33.71	37.11	42.21	45.43	85.59	90.25	89.29

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical workers			Stenogrphr, typists, secretaries			Legal secretaries		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.95	1.15	1.22	.37	.46	.49	.01	.01	.00
Hotels and motels	.87	1.09	1.13	.31	.40	.41	.01	.01	.00
Other lodging places	.07	.06	.09	.05	.05	.07	.00	.00	.00
Other personal services	1.09	1.00	.73	.34	.45	.38	.00	.00	.00
Laundering and cleaning	.83	.54	.37	.13	.08	.06	.00	.00	.00
Beauty shops	.05	.10	.07	.01	.01	.00	.00	.00	.00
Shoe repair shops	.01	.02	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.19	.32	.27	.18	.33	.30	.00	.00	.00
Miscellaneous business services	3.73	4.86	5.82	4.95	6.22	7.23	1.57	1.57	2.26
Advertising	.25	.20	.13	.44	.37	.25	.01	.00	.00
Business management services	.43	.52	.75	.52	.62	.78	.05	.05	.10
Commercial research,development	.12	.15	.23	.22	.26	.38	.03	.03	.05
Computer programing	.28	.38	.41	.19	.21	.24	.04	.03	.02
Detective and protective serv	.11	.18	.24	.12	.20	.25	.02	.02	.05
Employment,temporary help	.83	1.16	1.58	1.73	2.41	3.02	.99	1.00	1.33
Services to buildings	.08	.10	.15	.13	.17	.28	.00	.00	.00
Other business services	1.60	2.14	2.30	1.57	1.95	2.00	.42	.42	.68
Automobile services	.33	.36	.36	.21	.22	.20	.08	.06	.06
Automobile repair	.09	.10	.05	.06	.07	.03	.00	.00	.00
Automobile services,exc repair	.24	.26	.31	.15	.15	.16	.08	.06	.06
Other repair services	.17	.18	.15	.18	.19	.14	.00	.00	.00
Electrical repair	.09	.06	.06	.09	.07	.06	.00	.00	.00
Other repair,exc electrical	.08	.11	.08	.08	.11	.08	.00	.00	.00
Motion pictures and theaters	.32	.21	.23	.29	.19	.21	.18	.08	.13
Miscellaneous entertainment	.38	.61	.57	.30	.51	.52	.00	.00	.00
Bowling alleys,billardards	.08	.10	.06	.04	.04	.02	.00	.00	.00
Other entertainment	.29	.51	.50	.26	.46	.49	.00	.00	.00
Medical and other health service	5.88	7.09	9.99	8.05	9.51	13.65	1.92	2.12	3.50
Offices of physicians	1.46	1.69	2.00	2.45	2.73	3.25	.83	.83	1.45
Offices of dentists	.29	.44	.44	.25	.42	.51	.00	.00	.00
Offices of chiropractors	.03	.10	.03	.02	.06	.01	.00	.00	.00
Hospitals	3.47	3.71	5.78	4.32	4.47	6.99	.60	.55	1.31
Convalescent institutions	.14	.20	.66	.18	.28	.90	.13	.13	.40
Other health practitioners	.10	.18	.22	.08	.15	.19	.08	.08	.00
Other health services	.37	.73	.83	.72	1.38	1.77	.26	.51	.33
Legal services	1.16	1.49	1.50	3.67	4.76	4.58	80.53	85.45	82.08
Educational services	6.94	7.97	8.06	10.17	10.44	8.99	.27	.17	.14
Elementary and secondary school	3.14	3.99	4.15	4.29	4.48	3.64	.02	.01	.00
Colleges and universities	3.10	3.20	3.03	5.21	5.21	4.52	.18	.12	.09
Libraries	.36	.39	.43	.07	.07	.11	.02	.01	.00
Other educational services	.32	.37	.43	.59	.67	.71	.03	.03	.04
Museums,art galleries,zoos	.03	.05	.07	.06	.08	.11	.00	.00	.00
Nonprofit organizations	2.65	2.95	3.22	5.94	6.28	6.35	.58	.42	.60
Religious organizations	.79	.90	.78	2.21	2.57	2.08	.05	.04	.05
Welfare services	.92	1.06	1.33	1.80	1.64	1.93	.33	.23	.32
Residential welfare services	.02	.02	.07	.03	.05	.11	.00	.00	.02
Nonprofit membership organiztns	.91	.95	1.04	1.88	2.01	2.22	.18	.14	.20
Private housechlds	.12	.08	.04	.40	.23	.13	.01	.00	.00
Other professional services	1.38	1.69	1.69	2.14	2.61	2.40	.39	.33	.48
Engineering and architectural	.34	.46	.42	.76	1.02	.88	.03	.03	.03
Accounting and auditing	.79	.94	.93	.90	1.08	.91	.10	.10	.11
Miscellaneous professional serv	.24	.27	.33	.47	.50	.60	.25	.19	.33
Government,total	12.17	10.53	9.24	10.78	9.91	9.88	6.00	.46	5.00
Federal public administration	8.49	6.43	4.71	5.35	4.02	3.51	1.29	.88	1.43
Postal services	4.38	3.16	2.29	.11	.12	.09	.00	.00	.00
Federal pub adm,exc post office	4.10	3.27	2.41	5.23	3.89	3.41	1.29	.88	1.43
State public administration	1.54	1.74	1.84	2.31	2.57	2.55	1.76	1.32	1.07
Local public administration	2.14	2.35	2.69	3.11	3.31	3.81	2.94	2.25	2.49

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Medical secretaries			Other secretaries			Stenographers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.08	.04	.00	.34	.53	.37	.31	.48	.31
Agriculture	.08	.04	.00	.30	.48	.32	.13	.22	.04
Agricultural production	.00	.00	.00	.09	.24	.13	.05	.15	.00
Services,except horticulture	.08	.04	.00	.12	.14	.12	.06	.03	.01
Horticultural services	.00	.00	.00	.08	.08	.06	.02	.03	.02
Forestry	.00	.00	.00	.03	.04	.03	.17	.24	.25
Fisheries	.00	.00	.00	.00	.01	.01	.00	.01	.01
Mining	.02	.01	.00	.64	.76	.56	.71	.83	.29
Metal	.00	.00	.00	.06	.04	.03	.03	.02	.00
Coal	.00	.00	.00	.03	.04	.04	.02	.03	.03
Crude petroleum and natural gas	.02	.01	.00	.46	.60	.44	.63	.75	.24
Nonmetallic mining and quarrying	.00	.00	.00	.07	.06	.03	.03	.02	.00
Construction	.00	.00	.00	2.77	2.75	2.39	2.61	2.12	1.18
General building contractors	.00	.00	.00	.69	.63	.51	.19	.17	.08
General contractors,exc building	.00	.00	.00	.74	.68	.69	2.07	1.61	.91
Special trade contractors	.00	.00	.00	1.34	1.43	1.19	.33	.34	.18
Manufacturing	.98	.68	.50	19.45	16.55	15.22	15.24	11.48	7.88
Durable goods	.42	.30	.25	11.75	10.11	9.24	9.76	7.55	5.74
Ordnance	.01	.00	.00	.42	.18	.12	.57	.20	.04
Lumber and wood products	.00	.00	.00	.28	.26	.23	.06	.05	.04
Logging	.00	.00	.00	.01	.01	.00	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.19	.18	.16	.05	.05	.04
Miscellaneous wood products	.00	.00	.00	.08	.07	.06	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.34	.32	.36	.17	.17	.18
Stone,clay,and glass products	.02	.01	.00	.59	.52	.44	.38	.24	.04
Glass and glass products	.00	.00	.00	.17	.15	.14	.09	.06	.01
Cement,concrete,plaster	.00	.00	.00	.22	.19	.15	.13	.08	.01
Structural clay products	.00	.00	.00	.03	.02	.01	.04	.02	.00
Pottery and related products	.00	.00	.00	.03	.02	.02	.01	.01	.00
Miscellaneous nonmetallic,stone	.01	.01	.00	.13	.12	.10	.10	.06	.00
Primary metal industries	.05	.05	.06	.84	.66	.55	1.15	.72	.20
Blast furnaces,steel works	.03	.03	.05	.27	.20	.18	.58	.36	.11
Other primary steel	.00	.00	.00	.20	.16	.14	.26	.18	.06
Primary aluminum	.02	.01	.01	.14	.13	.08	.14	.08	.00
Other primary nonferrous	.00	.00	.00	.21	.17	.14	.15	.09	.01
Fabricated metal products	.02	.01	.01	1.34	1.20	1.09	.95	.65	.14
Cutlery and other hardware	.02	.01	.01	.15	.14	.11	.11	.07	.01
Fabricated structural metal	.00	.00	.00	.42	.40	.42	.26	.20	.06
Screw machine products	.00	.00	.00	.11	.09	.07	.05	.03	.00
Metal stamping	.00	.00	.00	.17	.14	.12	.15	.09	.01
Miscellaneous fabricated metal	.00	.00	.00	.47	.41	.36	.35	.23	.04
Machinery except electrical	.05	.04	.06	2.45	2.28	2.30	1.79	1.40	.55
Engines and turbines	.00	.00	.00	.09	.08	.07	.18	.16	.05
Farm machinery and equipment	.01	.00	.00	.12	.11	.10	.18	.16	.07
Construction machines	.00	.00	.00	.30	.30	.29	.31	.25	.07
Metalworking machinery	.00	.00	.00	.34	.31	.30	.19	.13	.02
Office and accounting machines	.00	.00	.00	.15	.09	.07	.07	.03	.00
Electronic computing equipment	.01	.01	.06	.40	.41	.52	.11	.13	.19
Other machinery,exc electrical	.01	.00	.00	1.02	.94	.92	.73	.52	.11
Electrical machinery	.10	.06	.03	2.49	2.05	1.79	1.54	1.54	2.23
Household appliances	.00	.00	.00	.18	.13	.10	.15	.16	.31
Radio, tv communications equip	.06	.04	.03	.89	.65	.49	.60	.49	.45
Other electrical machinery	.04	.02	.00	1.41	1.26	1.19	.78	.89	1.46
Transportation equipment	.05	.03	.00	1.61	1.33	1.07	2.53	2.13	2.13
Motor vehicles and equipment	.01	.01	.00	.51	.50	.40	.75	.99	1.66
Aircraft and parts	.02	.01	.00	.85	.59	.39	1.27	.80	.24
Ship,boat building and repair	.01	.00	.00	.12	.11	.10	.39	.25	.19
Railroad equipment	.00	.00	.00	.04	.03	.02	.07	.04	.00
Mobile dwellings	.00	.00	.00	.06	.06	.11	.02	.02	.02
Cycles,misc transportation	.00	.00	.00	.02	.02	.03	.01	.01	.00
Professional,scientific instrs	.05	.05	.07	.80	.78	.75	.38	.29	.11
Scientific instruments	.00	.00	.00	.32	.28	.20	.14	.08	.01
Optical,health serv supplies	.02	.04	.07	.24	.28	.28	.06	.06	.01
Photo equipment and supplies	.02	.01	.00	.20	.20	.24	.15	.13	.07
Watches and clock devices	.00	.00	.00	.03	.02	.01	.01	.01	.00
Miscellaneous manufacturing	.02	.01	.00	.52	.47	.49	.20	.13	.02
Nondurable goods	.55	.38	.25	7.70	6.44	5.97	5.48	3.92	2.14

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Medical secretaries			Other secretaries			Stenographers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	1.30	1.05	.99	.82	.52	.17
Meat	.00	.00	.00	.13	.11	.09	.07	.05	.03
Dairy	.00	.00	.00	.18	.12	.08	.03	.02	.01
Canning and preserving	.00	.00	.00	.22	.19	.22	.19	.11	.02
Grain mill	.00	.00	.00	.14	.11	.09	.12	.09	.05
Bakery	.00	.00	.00	.11	.08	.08	.08	.04	.01
Confectionery	.00	.00	.00	.05	.04	.04	.04	.02	.00
Beverages	.00	.00	.00	.25	.20	.19	.15	.08	.01
Miscellaneous food preparation	.00	.00	.00	.19	.16	.17	.12	.07	.01
Tobacco manufacturing	.00	.00	.00	.06	.04	.03	.04	.02	.00
Textile mill products	.01	.00	.00	.58	.46	.53	.20	.14	.09
Knitting mills	.00	.00	.00	.12	.10	.13	.02	.02	.03
Dyeing,finishing textiles	.00	.00	.00	.05	.04	.03	.01	.01	.00
Floor coverings	.00	.00	.00	.05	.04	.07	.02	.01	.00
Yarn and fabric mills	.01	.00	.00	.29	.23	.23	.10	.06	.04
Miscellaneous textile mill	.00	.00	.00	.05	.04	.05	.03	.01	.00
Apparel and textile products	.00	.00	.00	.64	.54	.50	.25	.19	.08
Apparel and accessories	.00	.00	.00	.51	.42	.39	.22	.16	.06
Miscellaneous fabricated textile	.00	.00	.00	.13	.12	.10	.03	.03	.02
Paper and allied products	.01	.00	.00	.70	.56	.57	.47	.34	.22
Pulp,paper paperboard mills	.01	.00	.00	.29	.21	.18	.27	.20	.13
Paperboard containers,boxes	.00	.00	.00	.20	.15	.17	.08	.06	.07
Miscellaneous paper and pulp	.00	.00	.00	.21	.19	.21	.11	.07	.01
Printing and publishing	.03	.01	.00	1.64	1.40	1.29	1.17	.88	.35
Newspaper publishing, printing	.01	.00	.00	.37	.31	.30	.54	.45	.25
Other printing,exc newspapers	.02	.01	.00	1.27	1.08	.98	.62	.42	.10
Chemicals and allied products	.46	.34	.25	1.66	1.38	1.30	1.51	.99	.54
Industrial chemicals	.02	.01	.02	.44	.35	.33	.56	.31	.05
Plastics and synthetics	.00	.00	.00	.13	.09	.08	.18	.09	.01
Synthetic fibers	.01	.01	.00	.07	.06	.07	.12	.11	.11
Drugs and medicines	.37	.29	.21	.38	.39	.34	.15	.11	.02
Soaps and cosmetics	.00	.00	.00	.24	.20	.20	.15	.09	.02
Paints and varnishes	.00	.00	.00	.11	.09	.10	.07	.04	.01
Agricultural chemicals	.01	.00	.00	.10	.08	.06	.10	.12	.22
Miscellaneous chemicals	.02	.01	.00	.16	.10	.10	.14	.08	.07
Petroleum and coal products	.01	.00	.00	.31	.26	.17	.57	.44	.12
Petroleum refining	.01	.00	.00	.25	.20	.11	.52	.40	.12
Misc petroleum,coal products	.00	.00	.00	.06	.06	.05	.05	.03	.00
Rubber,miscellaneous plastics	.00	.00	.00	.61	.61	.50	.28	.32	.50
Rubber	.00	.00	.00	.27	.22	.21	.14	.16	.44
Miscellaneous plastics	.00	.00	.00	.34	.39	.28	.13	.15	.06
Leather products	.00	.00	.00	.15	.10	.06	.14	.07	.01
Leather tanning and finishing	.00	.00	.00	.01	.00	.00	.01	.00	.00
Footwear, except rubber	.00	.00	.00	.09	.05	.03	.11	.05	.00
All other leather	.00	.00	.00	.05	.03	.02	.02	.01	.00
Transportation, other public util	.12	.07	.02	3.99	3.79	3.52	8.44	6.88	4.42
Transportation,total	.08	.05	.02	1.94	1.83	1.43	3.52	2.72	1.61
Railroads and railway express	.01	.00	.00	.23	.15	.07	2.24	1.66	1.20
Local and interurban transit	.01	.00	.00	.08	.06	.07	.10	.06	.08
Street railways and bus lines	.01	.00	.00	.07	.05	.06	.10	.06	.08
Taxicab service	.00	.00	.00	.00	.01	.01	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.75	.76	.51	.43	.36	.10
Trucking services	.00	.00	.00	.62	.65	.43	.38	.33	.09
Warehousing and storage	.00	.00	.00	.13	.10	.08	.05	.03	.00
Water transportation	.00	.00	.00	.23	.21	.16	.23	.17	.05
Air transportation	.04	.03	.02	.33	.29	.23	.16	.12	.03
Pipelines	.00	.00	.00	.02	.01	.01	.07	.03	.00
Transportation services	.00	.00	.00	.27	.32	.34	.27	.29	.13
Communicatns,utils,sanitary serv	.03	.01	.00	2.05	1.96	2.09	4.92	4.15	2.80
Communications	.03	.01	.00	1.12	1.11	1.37	2.01	1.94	1.86
Telephone(wire and radio)	.03	.01	.00	.68	.65	.83	1.93	1.84	1.65
Telegraph,misc communicatn serv	.00	.00	.00	.08	.09	.09	.03	.02	.00
Radio and tv broadcasting	.00	.00	.00	.36	.36	.43	.04	.06	.20
Utilities and sanitary services	.00	.00	.00	.92	.84	.72	2.90	2.21	.94
Electric light and power	.00	.00	.00	.32	.34	.25	1.28	1.09	.32
Electric-gas utilities	.00	.00	.00	.19	.15	.13	.76	.42	.25
Gas steam supply systems	.00	.00	.00	.23	.18	.15	.46	.33	.13
Water supply	.00	.00	.00	.09	.09	.08	.28	.24	.13
Sanitary services	.00	.00	.00	.06	.06	.08	.10	.10	.08
Wholesale and retail trade	.29	.21	.11	13.86	13.62	12.27	6.24	6.36	6.28
Wholesale trade	.12	.07	.02	8.15	7.64	6.40	4.38	4.49	4.37

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Medical secretaries			Other secretaries			Stenographers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.09	.06	.02	5.44	5.25	4.31	2.75	3.04	3.29
Motor vehicles and equipment	.01	.01	.00	.48	.47	.40	.34	.41	.55
Drugs,chemicals,allied product	.03	.02	.01	.60	.53	.44	.21	.13	.01
Dry goods and apparel	.00	.00	.00	.36	.29	.25	.14	.10	.04
Food and related products	.01	.00	.00	.62	.54	.40	.32	.38	.60
Farm products-raw materials	.01	.01	.00	.13	.16	.07	.06	.10	.13
Electrical goods	.00	.00	.00	.89	.79	.68	.45	.50	.79
Hardware and plumbing	.01	.00	.00	.38	.35	.26	.26	.26	.21
Machinery equipment,supplies	.01	.00	.00	1.94	2.08	1.77	.95	1.13	.92
Miscellaneous wholesale trade	.03	.01	.00	2.71	2.39	2.09	1.62	1.44	1.08
Metals and minerals, other	.00	.00	.00	.34	.28	.26	.31	.31	.44
Petroleum prducts	.00	.00	.00	.35	.31	.24	.47	.44	.25
Scrap and waste material	.00	.00	.00	.07	.08	.06	.02	.03	.00
Alcoholic beverages	.00	.00	.00	.13	.14	.11	.03	.02	.00
Paper and paper products	.01	.00	.00	.33	.25	.26	.19	.14	.08
Lumber,construction materials	.00	.00	.00	.31	.26	.25	.15	.08	.01
Other wholesale trade	.00	.00	.00	1.15	1.04	.89	.42	.40	.27
Retail trade	.16	.13	.09	5.71	5.97	5.86	1.86	1.87	1.90
Building materials	.00	.00	.00	.62	.61	.52	.17	.15	.06
Lumber,building material	.00	.00	.00	.45	.47	.38	.12	.11	.03
Hardware and farm equipment	.00	.00	.00	.16	.13	.14	.05	.04	.02
General merchandise,total	.05	.02	.00	1.31	1.29	1.61	.54	.49	.48
Department stores,mail order	.05	.02	.00	.88	.94	1.17	.32	.33	.27
Limited price stores	.00	.00	.00	.11	.09	.08	.03	.02	.04
Vending machine operators	.00	.00	.00	.06	.05	.08	.00	.00	.01
Direct selling	.00	.00	.00	.09	.08	.07	.04	.03	.03
Miscellaneous merchadise store	.00	.00	.00	.15	.12	.19	.13	.08	.11
Food and dairy stores	.02	.01	.00	.37	.38	.38	.10	.14	.38
Grocery stores	.02	.01	.00	.32	.32	.32	.08	.11	.36
Dairy products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Retail bakeries	.00	.00	.00	.01	.01	.01	.00	.00	.00
Food stores,cther	.00	.00	.00	.02	.02	.02	.02	.02	.01
Auto dealers,gas stations	.01	.00	.00	.98	1.04	.84	.39	.41	.34
Motor vehicle dealers	.01	.00	.00	.59	.55	.35	.18	.16	.07
Tire,battery,accessory dealrs	.00	.00	.00	.12	.16	.18	.03	.04	.03
Gasoline service stations	.00	.00	.00	.12	.15	.09	.14	.17	.19
Miscellaneous vehicle dealers	.00	.00	.00	.14	.17	.21	.02	.03	.03
Apparel and accessory stores	.00	.00	.00	.28	.30	.27	.09	.12	.18
Apparel,accessory,except shoes	.00	.00	.00	.23	.25	.25	.08	.10	.15
Shoe stores	.00	.00	.00	.05	.04	.02	.01	.01	.03
Furniture and appliance stores	.00	.00	.00	.69	.69	.66	.18	.17	.06
Home furnishings	.00	.00	.00	.40	.37	.34	.08	.08	.04
Household appliances,tv,radio	.00	.00	.00	.29	.31	.31	.09	.08	.01
Eating and drinking places	.01	.01	.00	.34	.51	.39	.04	.05	.00
Miscellaneous retail trade	.06	.07	.09	1.08	1.13	1.16	.31	.31	.37
Drug stores	.00	.00	.00	.13	.12	.14	.04	.05	.15
Liquor stores	.00	.00	.00	.02	.03	.02	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.11	.13	.11	.04	.04	.01
Jewelry stores	.00	.00	.00	.08	.09	.09	.02	.02	.04
Fuel and ice dealers	.00	.00	.00	.17	.13	.09	.08	.04	.00
Retail florists	.00	.00	.00	.02	.03	.04	.00	.00	.00
Misc retail trade stores	.05	.06	.09	.52	.59	.65	.12	.15	.15
Finance,insurance and real estate	.58	.30	.07	14.30	13.16	13.46	9.35	8.90	7.70
Finance,total	.20	.12	.04	5.37	5.19	6.07	3.41	3.43	2.79
Banking	.06	.03	.00	2.63	2.50	3.13	1.99	1.87	1.41
Credit agencies	.02	.01	.00	1.57	1.66	2.01	1.07	1.28	1.22
Stock brokers,investment cos	.12	.07	.04	1.16	1.03	.93	.34	.27	.15
Insurance	.34	.16	.03	6.77	5.72	5.61	5.08	4.59	4.50
Real estate	.03	.01	.00	2.15	2.24	1.77	.86	.87	.40
Services, total	97.03	98.08	98.91	37.15	41.67	43.61	26.80	31.33	37.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Medical secretaries			Other secretaries			Stenographers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.46	.55	.57	.13	.17	.20
Hotels and motels	.00	.00	.00	.39	.48	.49	.12	.15	.13
Other lodging places	.00	.00	.00	.06	.07	.08	.01	.02	.06
Other personal services	.00	.00	.00	.40	.53	.44	.10	.15	.24
Laundering and cleaning	.00	.00	.00	.15	.09	.07	.03	.03	.05
Beauty shops	.00	.00	.00	.01	.02	.00	.01	.03	.16
Shoe repair shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Misc personal services	.00	.00	.00	.22	.39	.34	.04	.07	.02
Miscellaneous business services	.49	.59	.80	4.74	5.99	7.23	5.58	7.89	16.36
Advertising	.00	.00	.00	.55	.45	.30	.09	.09	.06
Business management services	.00	.00	.00	.61	.72	.89	.27	.32	.27
Commercial research,development	.03	.04	.08	.25	.30	.43	.13	.18	.28
Computer programing	.00	.00	.00	.23	.25	.29	.06	.07	.09
Detective and protective serv	.00	.00	.00	.14	.23	.29	.07	.11	.10
Employment,temporary help	.22	.29	.43	1.58	2.25	3.00	1.33	1.60	.66
Services to buildings	.00	.00	.00	.18	.21	.35	.02	.03	.11
Other business services	.21	.24	.29	1.17	1.54	1.65	3.57	5.46	14.75
Automobile services	.00	.00	.00	.26	.27	.23	.06	.06	.02
Automobile repair	.00	.00	.00	.09	.09	.04	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.17	.17	.19	.06	.05	.02
Other repair services	.00	.00	.00	.22	.22	.16	.06	.07	.04
Electrical repair	.00	.00	.00	.11	.08	.08	.03	.02	.01
Other repair,exc electrical	.00	.00	.00	.10	.13	.08	.03	.04	.03
Motion pictures and theaters	.00	.00	.00	.37	.23	.25	.12	.06	.04
Miscellaneous entertainment	.00	.00	.00	.38	.63	.64	.12	.14	.06
Bowling alleys,billiards	.00	.00	.00	.04	.05	.03	.01	.01	.01
Other entertainment	.00	.00	.00	.33	.58	.61	.11	.13	.05
Medical and other health service	92.31	94.30	95.64	6.63	8.54	11.91	5.49	6.07	4.80
Offices of physicians	49.60	51.36	40.22	1.86	2.29	2.62	.44	.42	.14
Offices of dentists	1.82	2.45	1.81	.30	.50	.61	.03	.06	.06
Offices of chiropractors	.05	.14	.03	.02	.07	.02	.00	.00	.00
Hospitals	38.24	34.81	47.64	3.46	3.80	5.63	3.63	3.87	3.66
Convalescent institutions	.33	.43	1.43	.22	.32	1.02	.08	.13	.30
Other health practitioners	.30	.41	.31	.10	.18	.23	.02	.03	.00
Other health services	1.95	4.68	4.17	.64	1.35	1.75	1.27	1.53	.62
Legal services	1.05	.70	.07	1.98	2.36	2.15	2.13	2.12	1.04
Educational services	2.26	1.76	1.67	11.73	11.76	9.95	6.29	7.23	7.07
Elementary and secondary school	.11	.06	.00	5.37	5.33	4.26	2.13	1.92	.41
Colleges and universities	2.14	1.69	1.67	5.67	5.63	4.78	2.89	3.57	5.09
Libraries	.00	.00	.00	.03	.04	.08	.02	.02	.01
Other educational services	.00	.00	.00	.65	.74	.82	1.24	1.71	1.55
Museums,art galleries,zoos	.00	.00	.00	.07	.10	.14	.02	.03	.01
Nonprofit organizations	.49	.36	.31	6.80	7.15	6.98	5.65	6.08	6.57
Religious organizations	.02	.01	.00	3.07	3.43	2.70	.28	.27	.07
Welfare services	.18	.11	.11	1.37	1.26	1.59	4.20	4.20	2.63
Residential welfare services	.02	.02	.04	.04	.05	.13	.03	.02	.01
Nonprofit membership organiztus	.27	.21	.15	2.30	2.39	2.55	1.13	1.58	3.85
Private housechlds	.00	.00	.00	.56	.29	.16	.02	.05	.15
Other professional services	.40	.34	.40	2.50	3.00	2.74	.97	1.17	.62
Engineering and architectural	.00	.00	.00	1.00	1.29	1.10	.39	.53	.34
Accounting and auditing	.02	.03	.04	.95	1.15	.98	.31	.36	.17
Miscellaneous professional serv	.37	.30	.35	.54	.55	.66	.26	.28	.11
Government,total	.87	.58	.35	7.45	7.13	8.57	30.24	31.58	34.63
Federal public administration	.55	.36	.31	4.14	3.25	2.98	12.25	8.13	2.76
Postal services	.00	.00	.00	.06	.07	.06	.60	.93	1.16
Federal pub adm,exc post office	.55	.36	.31	4.07	3.18	2.92	11.65	7.20	1.60
State public administration	.13	.10	.04	1.36	1.61	1.90	9.20	12.42	17.76
Local public administration	.17	.11	.00	1.94	2.26	3.69	8.78	11.01	14.10

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Typists			Office machine operators			Bookkeeping billing mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.23	.34	.24	.12	.12	.07	.09	.09	.02
Agriculture	.10	.14	.08	.08	.07	.04	.07	.06	.00
Agricultural production	.04	.07	.03	.03	.02	.00	.02	.02	.00
Services,except horticulture	.04	.04	.03	.05	.04	.03	.04	.04	.00
Horticultural services	.01	.02	.01	.00	.00	.00	.00	.00	.00
Forestry	.12	.18	.13	.03	.04	.02	.01	.01	.00
Fisheries	.00	.01	.02	.00	.00	.00	.00	.01	.01
Mining	.28	.35	.30	.65	1.01	.65	.33	.39	.16
Metal	.03	.02	.02	.05	.04	.03	.03	.02	.01
Coal	.01	.02	.03	.02	.03	.04	.00	.00	.00
Crude petroleum and natural gas	.20	.28	.23	.53	.87	.54	.24	.31	.12
Nonmetallic mining and quarrying	.02	.02	.01	.05	.05	.03	.05	.04	.01
Construction	1.45	1.38	1.54	.93	.92	.96	1.10	1.23	1.35
General building contractors	.16	.16	.17	.12	.11	.11	.27	.32	.42
General contractors,exc building	.90	.78	.88	.64	.63	.63	.40	.40	.38
Special trade contractors	.37	.43	.48	.16	.17	.20	.42	.51	.54
Manufacturing	17.80	14.87	12.85	27.26	24.15	18.94	16.11	12.17	6.99
Durable goods	9.95	8.27	6.93	16.02	15.30	13.31	8.05	6.85	5.31
Ordnance	.44	.20	.17	.60	.37	.30	.10	.05	.07
Lumber and wood products	.13	.12	.12	.21	.16	.13	.22	.15	.03
Logging	.00	.00	.00	.01	.00	.00	.01	.01	.00
Sawmill,planing and mill work	.08	.08	.08	.13	.09	.06	.14	.09	.02
Miscellaneous wood products	.04	.03	.03	.06	.06	.06	.07	.04	.00
Furniture and fixtures	.27	.25	.28	.33	.30	.22	.32	.22	.05
Stone,clay,and glass products	.36	.32	.26	.52	.46	.26	.42	.28	.06
Glass and glass products	.09	.08	.07	.15	.12	.07	.07	.05	.01
Cement,concrete,plaster	.09	.08	.06	.16	.15	.08	.24	.17	.04
Structural clay products	.02	.01	.00	.03	.01	.00	.02	.01	.00
Pottery and related products	.02	.01	.01	.03	.03	.02	.01	.00	.00
Miscellaneous nonmetallic,stone	.13	.12	.09	.13	.13	.07	.06	.04	.00
Primary metal industries	.88	.69	.60	1.46	1.22	.92	.66	.48	.30
Blast furnaces,steel works	.43	.31	.28	.72	.54	.38	.26	.16	.05
Other primary steel	.19	.16	.16	.28	.24	.18	.20	.14	.06
Primary aluminum	.09	.08	.05	.16	.17	.13	.01	.00	.00
Other primary nonferrous	.17	.13	.10	.29	.25	.22	.18	.16	.17
Fabricated metal products	1.06	.95	.80	1.47	1.37	1.10	1.38	1.21	.84
Cutlery and other hardware	.16	.14	.08	.25	.22	.15	.20	.16	.06
Fabricated structural metal	.25	.24	.26	.39	.36	.27	.39	.26	.05
Screw machine products	.11	.09	.07	.14	.11	.09	.14	.13	.12
Metal stamping	.15	.12	.10	.19	.21	.21	.12	.12	.13
Miscellaneous fabricated metal	.38	.34	.28	.48	.45	.36	.52	.51	.46
Machinery except electrical	1.84	1.69	1.56	3.45	4.02	4.32	1.57	1.54	1.59
Engines and turbines	.11	.10	.07	.17	.18	.15	.04	.05	.08
Farm machinery and equipment	.10	.09	.08	.24	.23	.16	.10	.07	.07
Construction machines	.28	.28	.24	.44	.49	.46	.22	.23	.19
Metalworking machinery	.26	.23	.21	.39	.40	.41	.25	.25	.28
Office and accounting machines	.14	.08	.06	.31	.22	.14	.13	.08	.05
Electronic computing equipment	.17	.17	.23	.83	1.36	1.81	.13	.16	.28
Other machinery,exc electrical	.76	.70	.65	1.05	1.11	1.16	.67	.67	.63
Electrical machinery	2.14	1.73	1.35	3.50	3.31	3.00	1.42	1.33	1.32
Household appliances	.15	.11	.08	.25	.20	.16	.17	.15	.15
Radio, tv communications equip	.86	.62	.44	1.49	1.27	1.10	.50	.40	.32
Other electrical machinery	1.12	.99	.82	1.76	1.83	1.73	.74	.77	.85
Transportation equipment	1.71	1.27	.81	2.96	2.61	1.81	.84	.60	.37
Motor vehicles and equipment	.54	.52	.42	1.16	1.19	1.02	.25	.20	.06
Aircraft and parts	.82	.51	.20	1.46	1.09	.47	.40	.23	.05
Ship,boat building and repair	.27	.15	.10	.23	.20	.16	.12	.08	.05
Railroad equipment	.03	.03	.02	.05	.05	.04	.02	.02	.01
Mobile dwellings	.01	.01	.02	.01	.02	.06	.04	.05	.18
Cycles,misc transportation	.02	.03	.03	.02	.03	.04	.00	.00	.00
Professional,scientific instrs	.61	.59	.51	.92	.97	.86	.48	.54	.52
Scientific instruments	.26	.22	.15	.33	.31	.23	.15	.15	.13
Optical,health serv supplies	.18	.20	.18	.24	.30	.30	.22	.30	.33
Photo equipment and supplies	.13	.13	.15	.30	.32	.30	.08	.07	.06
Watches and clock devices	.03	.02	.01	.04	.02	.01	.01	.00	.00
Miscellaneous manufacturing	.46	.41	.42	.57	.47	.36	.59	.42	.11
Nondurable goods	7.85	6.60	5.92	11.23	8.85	5.63	8.06	5.31	1.68

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Typists			Office machine operators			Bookkeeping billing mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.76	.61	.54	2.05	1.52	.98	1.45	.90	.27
Meat	.06	.05	.03	.32	.26	.17	.19	.14	.06
Dairy	.08	.05	.03	.37	.20	.09	.29	.16	.05
Canning and preserving	.12	.10	.10	.27	.22	.16	.29	.20	.05
Grain mill	.08	.06	.04	.14	.13	.08	.05	.03	.00
Bakery	.08	.06	.06	.35	.21	.12	.14	.07	.01
Confectionery	.06	.04	.04	.10	.06	.03	.11	.05	.00
Beverages	.12	.10	.09	.23	.20	.14	.20	.13	.04
Miscellaneous food preparation	.12	.11	.12	.24	.21	.15	.13	.08	.02
Tobacco manufacturing	.04	.03	.01	.10	.07	.03	.02	.01	.00
Textile mill products	.52	.39	.38	.94	.71	.55	.65	.41	.15
Knitting mills	.10	.08	.09	.23	.17	.14	.23	.16	.06
Dyeing,finishing textiles	.08	.06	.04	.10	.08	.04	.08	.04	.00
Floor coverings	.05	.05	.07	.11	.10	.11	.04	.03	.02
Yarn and fabric mills	.22	.15	.12	.41	.30	.21	.25	.15	.05
Miscellaneous textile mill	.05	.04	.05	.07	.04	.03	.03	.02	.00
Apparel and textile products	.58	.50	.44	1.14	.83	.50	1.37	.92	.26
Apparel and accessories	.45	.37	.33	.99	.71	.43	1.14	.74	.19
Miscellaneous fabricated textile	.13	.12	.11	.14	.11	.06	.22	.18	.06
Paper and allied products	.57	.46	.47	.93	.70	.43	.61	.39	.11
Pulp,paper paperboard mills	.18	.13	.10	.40	.31	.18	.15	.08	.01
Paperboard containers,boxes	.16	.12	.14	.18	.11	.07	.18	.11	.05
Miscellaneous paper and pulp	.22	.20	.23	.34	.27	.17	.27	.19	.05
Printing and publishing	3.37	2.91	2.63	2.63	2.01	1.10	1.97	1.16	.17
Newspaper publishing, printing	1.10	.98	.98	.59	.51	.35	.37	.24	.05
Other printing,exc newspapers	2.26	1.92	1.65	2.04	1.50	.75	1.59	.92	.11
Chemicals and allied products	1.17	.96	.89	1.68	1.50	1.24	.88	.69	.50
Industrial chemicals	.31	.24	.21	.45	.40	.33	.22	.16	.07
Plastics and synthetics	.08	.05	.04	.11	.11	.09	.08	.06	.06
Synthetic fibers	.04	.03	.02	.13	.11	.10	.01	.01	.02
Drugs and medicines	.24	.25	.28	.32	.33	.25	.17	.16	.07
Soaps and cosmetics	.20	.16	.15	.29	.25	.21	.13	.11	.07
Paints and varnishes	.09	.07	.06	.17	.13	.10	.12	.06	.00
Agricultural chemicals	.05	.05	.03	.07	.07	.04	.05	.06	.09
Miscellaneous chemicals	.13	.07	.07	.11	.08	.09	.06	.05	.09
Petroleum and coal products	.19	.16	.10	.59	.54	.26	.31	.23	.06
Petroleum refining	.15	.13	.07	.54	.50	.23	.26	.20	.05
Misc petroleum,coal products	.03	.03	.03	.05	.04	.03	.04	.03	.00
Rubber,miscellaneous plastics	.43	.43	.34	.79	.71	.38	.55	.43	.08
Rubber	.22	.17	.14	.51	.40	.22	.24	.15	.05
Miscellaneous plastics	.21	.25	.19	.27	.30	.15	.31	.27	.04
Leather products	.17	.11	.07	.34	.21	.11	.22	.12	.04
Leather tanning and finishing	.00	.00	.00	.04	.02	.00	.00	.00	.00
Footwear, except rubber	.12	.07	.04	.22	.14	.07	.17	.10	.04
All other leather	.04	.03	.02	.07	.05	.03	.04	.02	.00
Transportation, other public util	6.35	6.12	6.04	6.84	6.09	5.39	5.25	4.26	2.22
Transportation,total	2.59	2.44	1.97	3.01	2.38	1.97	2.35	1.81	.89
Railroads and railway express	.58	.38	.24	1.25	.74	.37	.28	.14	.02
Local and interurban transit	.09	.07	.11	.09	.06	.12	.04	.03	.11
Street railways and bus lines	.09	.06	.10	.08	.06	.11	.03	.02	.09
Taxicab service	.00	.00	.01	.00	.00	.00	.00	.00	.01
Trucking and warehousing	1.00	1.05	.78	.81	.66	.59	1.50	1.17	.53
Trucking services	.87	.94	.71	.72	.59	.55	1.37	1.08	.51
Warehousing and storage	.12	.10	.06	.09	.07	.04	.12	.08	.01
Water transportation	.21	.18	.11	.15	.10	.05	.17	.10	.02
Air transportation	.35	.30	.17	.48	.55	.58	.18	.14	.06
Pipelines	.01	.01	.00	.03	.04	.02	.00	.00	.00
Transportation services	.33	.43	.53	.16	.21	.22	.16	.20	.14
Communicatns,utils,sanitary serv	3.76	3.68	4.07	3.82	3.70	3.41	2.90	2.45	1.32
Communications	2.54	2.55	3.14	2.11	2.05	1.98	1.05	.73	.20
Telephone(wire and radio)	1.94	1.91	2.55	1.92	1.84	1.79	.87	.60	.13
Telegraph,misc communicatn serv	.44	.48	.38	.08	.11	.08	.07	.05	.00
Radio and tv broadcasting	.15	.15	.20	.09	.09	.10	.10	.07	.06
Utilities and sanitary services	1.22	1.12	.92	1.71	1.64	1.43	1.85	1.72	1.12
Electric light and power	.38	.40	.27	.58	.63	.46	.49	.55	.36
Electric-gas utilities	.32	.26	.19	.53	.44	.32	.41	.37	.33
Gas steam supply systems	.23	.18	.14	.36	.30	.19	.31	.24	.14
Water supply	.18	.17	.17	.17	.13	.10	.55	.48	.24
Sanitary services	.08	.09	.13	.03	.11	.33	.07	.06	.02
Other utilities	.00	.00	.00	.01	.01	.00	.00	.00	.00
Wholesale and retail trade	10.96	11.02	10.74	15.71	14.59	13.55	22.81	23.04	19.74
Wholesale trade	5.83	5.67	5.03	8.40	7.49	5.54	12.31	11.77	8.51

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Typists			Office machine operators			Bookkeeping billing mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	3.92	3.98	3.64	5.96	5.52	3.84	7.67	7.34	4.65
Motor vehicles and equipment	.34	.35	.34	.75	.75	.54	.84	.77	.35
Drugs,chemicals,allied product	.48	.43	.35	.81	.68	.39	.73	.51	.10
Dry goods and apparel	.29	.24	.23	.42	.30	.20	.91	.63	.18
Food and related products	.36	.33	.25	1.10	.91	.47	.84	.59	.11
Farm products-raw materials	.08	.10	.05	.15	.16	.05	.14	.16	.03
Electrical goods	.65	.59	.51	.76	.67	.58	1.05	1.04	.89
Hardware and plumbing	.32	.30	.23	.41	.32	.25	.83	.86	.71
Machinery equipment,supplies	1.38	1.61	1.66	1.51	1.72	1.33	2.30	2.74	2.25
Miscellaneous wholesale trade	1.90	1.69	1.38	2.43	1.97	1.69	4.63	4.43	3.85
Metals and minerals, other	.26	.21	.17	.26	.19	.19	.55	.49	.44
Petroleum products	.21	.20	.15	.41	.23	.09	.54	.43	.12
Scrap and waste material	.03	.03	.01	.02	.02	.02	.06	.09	.10
Alcoholic beverages	.08	.08	.05	.23	.24	.18	.26	.32	.28
Paper and paper products	.26	.20	.18	.34	.24	.27	.85	.71	.71
Lumber,construction materials	.15	.13	.12	.15	.13	.13	.34	.34	.38
Other wholesale trade	.89	.81	.66	1.01	.89	.79	2.01	2.02	1.78
Retail trade	5.13	5.34	5.71	7.31	7.09	8.00	10.50	11.27	11.22
Building materials	.23	.23	.17	.20	.16	.09	.61	.47	.08
Lumber,building material	.17	.18	.12	.13	.12	.06	.45	.38	.06
Hardware and farm equipment	.06	.05	.04	.07	.04	.02	.16	.09	.01
General merchandise,total	2.21	2.25	2.80	3.64	3.46	4.37	4.36	4.97	6.40
Department stores,mail order	1.70	1.83	2.29	2.99	2.97	3.85	3.83	4.50	5.82
Limited price stores	.12	.09	.08	.19	.13	.07	.10	.06	.02
Vending machine operators	.03	.03	.04	.04	.03	.04	.03	.04	.04
Direct selling	.12	.10	.08	.12	.09	.06	.09	.06	.06
Miscellaneous merchadise store	.23	.18	.29	.28	.23	.33	.30	.30	.43
Food and dairy stores	.26	.25	.23	1.09	1.08	1.28	.63	.75	.93
Grocery stores	.23	.22	.20	.99	.98	1.16	.53	.62	.75
Dairy products	.00	.00	.00	.03	.03	.04	.02	.02	.02
Retail bakeries	.00	.00	.00	.04	.04	.05	.02	.02	.03
Food stores,cther	.01	.01	.01	.02	.02	.02	.05	.07	.12
Auto dealers,gas stations	.62	.62	.46	.41	.37	.47	1.38	1.61	1.51
Motor vehicle dealers	.45	.42	.28	.21	.17	.16	.93	.98	.81
Tire,battery,accessory dealrs	.06	.08	.09	.11	.13	.17	.23	.34	.44
Gasoline service stations	.07	.06	.04	.07	.05	.10	.17	.19	.08
Miscellaneous vehicle dealers	.03	.04	.04	.01	.01	.03	.04	.08	.17
Apparel and accessory stores	.28	.29	.24	.62	.53	.33	1.04	.91	.26
Apparel,accessory,except shoes	.24	.25	.20	.48	.42	.24	.97	.85	.23
Shoe stores	.04	.04	.04	.13	.11	.09	.07	.06	.03
Furniture and appliance stores	.37	.38	.31	.25	.24	.17	.51	.48	.17
Home furnishings	.21	.20	.16	.13	.12	.08	.26	.22	.08
Household appliances,tv,radio	.16	.18	.14	.11	.12	.08	.24	.25	.09
Eating and drinking places	.12	.22	.26	.33	.55	.67	.32	.55	.69
Miscellaneous retail trade	1.00	1.07	1.20	.74	.65	.59	1.62	1.51	1.15
Drug stores	.34	.33	.41	.18	.14	.11	.24	.18	.07
Liquor stores	.02	.02	.02	.02	.02	.01	.01	.02	.02
Farm,garden supply stores	.04	.04	.04	.04	.05	.04	.10	.11	.11
Jewelry stores	.10	.10	.09	.05	.05	.03	.15	.12	.04
Fuel and ice dealers	.10	.08	.06	.16	.09	.04	.57	.38	.12
Retail florists	.03	.03	.03	.00	.00	.00	.03	.03	.01
Misc retail trade stores	.36	.44	.52	.25	.28	.33	.49	.64	.76
Finance,insurance and real estate	16.14	14.42	15.21	18.57	17.55	22.87	37.81	39.65	52.69
Finance,total	5.56	5.47	6.48	11.72	11.79	18.38	34.87	37.61	51.42
Banking	2.99	2.86	3.34	9.71	9.50	15.38	32.78	35.27	48.49
Credit agencies	1.57	1.73	2.14	1.05	1.35	2.09	1.62	1.97	2.78
Stock brokers,investment cos	.99	.87	.98	.95	.93	.89	.46	.36	.15
Insurance	9.50	7.82	7.64	6.50	5.42	4.14	2.42	1.55	1.03
Real estate	1.07	1.12	1.08	.34	.33	.34	.52	.48	.22
Services, total	28.31	33.03	37.11	20.40	26.07	28.28	13.06	16.00	15.83

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Typists			Office machine operators			Bookkeeping billing mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.23	.28	.31	.26	.30	.47	.61	.83	.77
Hotels and motels	.19	.25	.26	.25	.29	.46	.58	.80	.73
Other lodging places	.03	.03	.05	.01	.00	.01	.02	.03	.04
Other personal services	.29	.35	.31	.26	.14	.07	.68	.46	.16
Laundering and cleaning	.14	.09	.06	.23	.10	.04	.59	.29	.07
Beauty shops	.00	.00	.00	.00	.00	.00	.01	.01	.00
Misc personal services	.13	.24	.24	.02	.03	.03	.08	.15	.08
Miscellaneous business services	6.13	7.99	8.61	8.37	11.11	11.97	3.00	3.96	3.84
Advertising	.29	.24	.18	.21	.15	.10	.48	.39	.19
Business management services	.39	.47	.61	.70	.89	1.06	.22	.29	.36
Commercial research,development	.17	.21	.27	.22	.36	.44	.04	.07	.13
Computer programing	.13	.14	.14	3.56	5.05	5.73	.18	.20	.19
Detective and protective serv	.10	.16	.20	.05	.09	.08	.03	.06	.11
Employment,temporary help	2.38	3.36	3.91	1.26	1.33	1.26	.98	1.30	.83
Services to buildings	.06	.07	.09	.01	.01	.05	.08	.13	.30
Other business services	2.59	3.31	3.18	2.31	3.20	3.21	.96	1.49	1.71
Automobile services	.13	.14	.13	.11	.12	.12	.12	.13	.10
Automobile repair	.02	.02	.01	.01	.02	.01	.02	.02	.00
Automobile services,exc repair	.11	.11	.12	.10	.10	.10	.10	.10	.10
Other repair services	.12	.14	.12	.03	.02	.02	.13	.16	.14
Electrical repair	.06	.05	.04	.01	.00	.00	.06	.04	.03
Other repair,exc electrical	.06	.09	.08	.01	.02	.02	.06	.12	.11
Motion pictures and theaters	.15	.10	.11	.15	.09	.11	.18	.10	.08
Miscellaneous entertainment	.16	.25	.27	.09	.14	.11	.16	.24	.08
Bowling alleys,billiards	.02	.03	.02	.00	.00	.00	.00	.00	.00
Other entertainment	.13	.22	.24	.09	.14	.11	.16	.24	.08
Medical and other health service	5.99	7.34	10.99	2.33	2.86	4.00	4.42	5.65	6.77
Offices of physicians	.63	.78	.86	.05	.04	.07	.39	.57	.83
Offices of dentists	.05	.10	.07	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.01	.04	.00	.00	.00	.00	.00	.00	.00
Hospitals	4.35	4.87	7.69	2.01	2.32	3.27	3.73	4.32	5.00
Convalescent institutions	.10	.15	.44	.03	.04	.24	.09	.12	.21
Other health practitioners	.03	.05	.05	.00	.00	.00	.00	.00	.00
Other health services	.80	1.33	1.83	.23	.45	.41	.19	.63	.72
Legal services	.37	.51	.48	.06	.07	.08	.07	.10	.05
Educational services	8.19	8.81	8.05	3.98	4.95	5.33	1.38	1.76	1.97
Elementary and secondary school	2.50	3.02	2.59	.69	.82	.60	.56	.90	1.16
Colleges and universities	5.05	5.08	4.71	2.91	3.66	4.29	.72	.74	.72
Libraries	.19	.20	.27	.02	.04	.05	.00	.00	.00
Other educational services	.43	.49	.47	.34	.41	.38	.09	.11	.08
Museums,art galleries,zoos	.03	.05	.06	.01	.01	.02	.00	.00	.00
Nonprofit organizations	4.70	4.89	5.80	1.24	1.22	1.14	1.06	1.08	.97
Religious organizations	.57	.62	.42	.18	.19	.14	.13	.14	.10
Welfare services	2.92	2.95	3.77	.47	.45	.48	.31	.35	.57
Residential welfare services	.03	.04	.09	.00	.00	.04	.00	.00	.02
Nonprofit membership organiztns	1.16	1.26	1.50	.58	.57	.46	.61	.57	.26
Private househclds	.10	.11	.04	.00	.00	.00	.00	.00	.00
Other professional services	1.65	2.00	1.78	3.47	4.99	4.79	1.22	1.48	.85
Engineering and architectural	.32	.43	.36	.26	.45	.45	.05	.07	.07
Accounting and auditing	.99	1.17	.92	2.84	3.99	3.74	1.10	1.31	.73
Miscellaneous professional serv	.33	.39	.49	.37	.53	.59	.06	.09	.04
Government,total	18.44	18.43	15.91	9.48	9.47	9.26	3.38	3.12	.97
Federal public administration	8.50	6.87	6.47	4.84	4.67	4.99	.00	.00	.00
Postal services	.20	.23	.20	.06	.12	.13	.00	.00	.00
Federal pub adm,exc post office	8.29	6.64	6.26	4.77	4.54	4.86	.00	.00	.00
State public administration	4.19	5.14	4.88	2.74	2.88	2.18	1.35	1.30	.43
Local public administration	5.75	6.41	4.55	1.89	1.91	2.08	2.03	1.81	.53

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Calculating machine operators			Computer peripheral, equip oprs			Duplicating machine operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.21	.20	.04	.08	.08	.07	.12	.12	.07
Agriculture	.20	.17	.02	.05	.05	.05	.06	.06	.06
Agricultural production	.06	.05	.00	.02	.01	.00	.01	.01	.00
Services, except horticulture	.13	.12	.02	.03	.03	.04	.05	.05	.06
Forestry	.00	.02	.01	.01	.02	.01	.05	.06	.01
Mining	.49	.67	.35	1.08	1.37	.80	.68	.90	.69
Metal	.01	.01	.02	.05	.04	.02	.10	.06	.02
Coal	.01	.01	.00	.04	.05	.05	.02	.01	.00
Crude petroleum and natural gas	.46	.64	.33	.90	1.19	.68	.53	.80	.66
Nonmetallic mining and quarrying	.00	.00	.00	.08	.07	.04	.02	.02	.00
Construction	.53	.53	.47	.95	.92	.87	1.52	1.47	1.60
General building contractors	.10	.09	.00	.10	.10	.09	.05	.04	.00
General contractors, exc building	.27	.30	.47	.74	.65	.53	1.28	1.28	1.60
Special trade contractors	.15	.14	.00	.10	.16	.25	.18	.15	.00
Manufacturing	25.72	20.08	12.86	30.64	26.23	21.06	34.25	27.51	21.68
Durable goods	10.11	9.55	8.97	20.17	17.53	14.75	21.87	18.45	16.82
Ordnance	.18	.11	.18	1.08	.50	.35	1.28	.66	.65
Lumber and wood products	.15	.15	.09	.19	.16	.15	.20	.18	.18
Logging	.01	.01	.00	.00	.00	.00	.00	.00	.00
Sawmill, planing and mill work	.11	.11	.09	.09	.07	.07	.14	.13	.12
Miscellaneous wood products	.02	.02	.00	.09	.07	.07	.05	.05	.05
Furniture and fixtures	.20	.20	.21	.33	.30	.23	.30	.28	.26
Stone, clay, and glass products	.36	.28	.12	.63	.54	.33	.39	.31	.17
Glass and glass products	.17	.12	.02	.15	.13	.09	.11	.09	.05
Cement, concrete, plaster	.05	.05	.05	.22	.19	.10	.07	.07	.07
Structural clay products	.02	.01	.00	.02	.01	.00	.02	.02	.00
Pottery and related products	.03	.01	.00	.04	.03	.03	.00	.00	.00
Miscellaneous nonmetallic, stone	.08	.06	.02	.19	.16	.09	.17	.12	.03
Primary metal industries	1.13	.95	.77	1.61	1.28	.93	1.87	1.22	.66
Blast furnaces, steel works	.57	.37	.13	.77	.56	.38	1.23	.67	.16
Other primary steel	.26	.24	.20	.32	.27	.21	.25	.18	.09
Primary aluminum	.09	.13	.23	.20	.19	.13	.12	.12	.10
Other primary nonferrous	.19	.19	.20	.30	.25	.19	.26	.24	.30
Fabricated metal products	1.25	1.27	1.08	1.50	1.40	1.12	1.43	1.45	1.60
Cutlery and other hardware	.25	.26	.19	.18	.17	.12	.24	.26	.31
Fabricated structural metal	.36	.33	.16	.39	.38	.33	.31	.30	.26
Screw machine products	.12	.13	.16	.11	.10	.07	.15	.16	.22
Metal stamping	.10	.08	.05	.28	.25	.21	.08	.08	.10
Miscellaneous fabricated metal	.41	.45	.51	.52	.48	.36	.63	.64	.70
Machinery except electrical	1.87	2.06	2.83	5.11	5.13	5.26	3.89	3.94	4.61
Engines and turbines	.15	.18	.17	.18	.18	.13	.32	.39	.55
Farm machinery and equipment	.09	.07	.02	.26	.24	.18	.15	.12	.03
Construction machines	.30	.38	.55	.45	.46	.36	.64	.77	1.09
Metalworking machinery	.42	.48	.75	.47	.44	.39	.50	.51	.64
Office and accounting machines	.32	.20	.07	.41	.26	.17	.51	.32	.15
Electronic computing equipment	.12	.14	.21	2.13	2.36	3.00	.32	.37	.62
Other machinery, exc electrical	.44	.57	1.03	1.19	1.15	1.01	1.43	1.45	1.50
Electrical machinery	1.99	1.95	2.32	4.42	3.69	3.08	4.91	4.53	5.01
Household appliances	.17	.16	.19	.26	.21	.16	.24	.21	.26
Radio, tv communications equip	1.06	.95	1.07	1.98	1.42	1.14	2.18	1.77	1.63
Other electrical machinery	.75	.83	1.05	2.18	2.06	1.77	2.48	2.55	3.12
Transportation equipment	2.15	1.77	.64	3.77	3.03	1.99	5.87	4.19	2.02
Motor vehicles and equipment	1.62	1.39	.43	1.29	1.28	.99	1.36	1.26	.69
Aircraft and parts	.44	.27	.07	2.07	1.39	.66	3.87	2.40	.73
Ship, boat building and repair	.04	.05	.07	.32	.24	.21	.42	.25	.14
Railroad equipment	.04	.04	.05	.05	.05	.03	.15	.22	.34
Mobile dwellings	.00	.00	.00	.01	.02	.06	.02	.03	.09
Cycles, misc transportation	.00	.00	.00	.02	.03	.04	.02	.02	.01
Professional, scientific instrs	.33	.39	.52	1.01	1.00	.86	1.26	1.29	1.34
Scientific instruments	.16	.17	.17	.35	.31	.21	.72	.70	.67
Optical, health serv supplies	.07	.14	.32	.22	.27	.25	.22	.29	.37
Photo equipment and supplies	.07	.06	.02	.41	.39	.36	.29	.28	.28
Watches and clock devices	.01	.01	.00	.02	.02	.02	.02	.02	.00
Miscellaneous manufacturing	.47	.37	.16	.47	.45	.41	.42	.37	.27
Nondurable goods	15.61	10.52	3.89	10.47	8.69	6.30	12.38	9.06	4.85

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Calculating machine operators			Computer peripheral, equip oprs			Duplicating machine operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	7.89	4.92	1.27	1.90	1.57	1.18	1.12	.78	.36
Meat	.86	.57	.10	.29	.26	.20	.13	.11	.10
Dairy	2.26	1.18	.22	.25	.16	.09	.15	.09	.04
Canning and preserving	.27	.18	.04	.30	.25	.19	.29	.20	.07
Grain mill	.19	.14	.04	.18	.16	.11	.10	.07	.03
Bakery	3.60	2.38	.76	.18	.15	.12	.04	.02	.00
Confectionery	.05	.03	.01	.09	.07	.05	.12	.06	.01
Beverages	.18	.11	.03	.31	.25	.20	.03	.02	.00
Miscellaneous food preparation	.46	.29	.04	.26	.23	.20	.24	.18	.09
Tobacco manufacturing	.14	.08	.01	.13	.09	.05	.05	.03	.01
Textile mill products	.49	.32	.10	.85	.67	.58	.52	.42	.46
Knitting mills	.01	.01	.00	.15	.12	.11	.27	.20	.16
Dyeing,finishing textiles	.10	.06	.01	.12	.09	.06	.00	.00	.00
Floor coverings	.03	.02	.01	.15	.13	.15	.00	.00	.00
Yarn and fabric mills	.30	.20	.06	.40	.30	.23	.17	.17	.28
Miscellaneous textile mill	.03	.02	.01	.02	.01	.01	.07	.04	.01
Apparel and textile products	1.38	.98	.28	.76	.66	.51	.91	.64	.21
Apparel and accessories	1.21	.85	.25	.67	.58	.43	.77	.53	.16
Miscellaneous fabricated textile	.17	.13	.03	.08	.08	.07	.13	.11	.05
Paper and allied products	.60	.39	.11	.89	.69	.50	1.23	.94	.62
Pulp,paper paperboard mills	.15	.10	.04	.51	.36	.23	.40	.30	.22
Paperboard containers,boxes	.25	.14	.03	.13	.09	.08	.46	.31	.17
Miscellaneous paper and pulp	.19	.13	.03	.24	.22	.18	.36	.33	.21
Printing and publishing	1.48	.95	.31	2.01	1.71	1.19	5.33	3.57	1.04
Newspaper publishing, printing	.30	.23	.08	.51	.45	.34	.34	.31	.32
Other printing,exc newspapers	1.18	.72	.22	1.50	1.26	.84	4.98	3.25	.72
Chemicals and allied products	1.28	1.04	.76	2.05	1.71	1.43	2.01	1.83	1.90
Industrial chemicals	.18	.18	.23	.62	.49	.39	.44	.44	.66
Plastics and synthetics	.01	.01	.03	.20	.15	.12	.02	.02	.00
Synthetic fibers	.07	.06	.03	.13	.12	.13	.00	.00	.00
Drugs and medicines	.20	.15	.02	.36	.37	.31	.52	.48	.24
Soaps and cosmetics	.40	.32	.15	.29	.25	.20	.38	.35	.36
Paints and varnishes	.19	.12	.02	.16	.14	.12	.35	.32	.31
Agricultural chemicals	.04	.04	.04	.10	.09	.05	.10	.06	.00
Miscellaneous chemicals	.15	.13	.21	.14	.08	.07	.17	.15	.30
Petroleum and coal products	.92	.66	.12	.76	.66	.34	.35	.20	.01
Petroleum refining	.85	.61	.12	.72	.62	.30	.35	.20	.01
Misc petroleum,coal products	.07	.04	.00	.03	.03	.04	.00	.00	.00
Rubber,miscellaneous plastics	.87	.83	.77	.83	.72	.40	.52	.46	.16
Rubber	.78	.71	.68	.57	.42	.20	.21	.15	.07
Miscellaneous plastics	.08	.12	.08	.25	.30	.19	.31	.30	.08
Leather products	.51	.31	.12	.25	.17	.10	.30	.16	.04
Leather tanning and finishing	.10	.04	.00	.01	.01	.00	.00	.00	.00
Footwear, except rubber	.32	.21	.10	.17	.11	.06	.28	.14	.02
All other leather	.08	.05	.00	.06	.04	.03	.02	.02	.01
Transportation, other public util	6.86	5.47	2.70	7.22	6.63	6.81	4.37	3.67	2.22
Transportation,total	3.25	2.48	1.20	2.82	2.35	2.24	1.01	.86	.43
Railroads and railway express	1.50	.95	.28	1.08	.66	.48	.33	.22	.10
Local and interurban transit	.22	.15	.22	.08	.07	.12	.03	.05	.05
Street railways and bus lines	.20	.13	.18	.08	.07	.12	.00	.00	.00
Taxicab service	.01	.01	.04	.00	.00	.00	.03	.05	.05
Trucking and warehousing	.90	.69	.10	.53	.54	.48	.16	.13	.03
Trucking services	.80	.62	.08	.45	.47	.43	.12	.09	.00
Warehousing and storage	.10	.07	.01	.07	.07	.05	.04	.04	.03
Water transportation	.16	.12	.00	.09	.07	.04	.10	.09	.05
Air transportation	.15	.14	.10	.81	.75	.87	.22	.22	.13
Pipelines	.07	.05	.00	.06	.05	.03	.00	.00	.00
Transportation services	.23	.36	.48	.13	.18	.19	.15	.14	.04
Communicatns,utils,sanitary serv	3.60	2.98	1.50	4.40	4.27	4.57	3.36	2.81	1.79
Communications:	2.12	1.57	.39	2.64	2.52	2.94	2.08	1.59	.74
Telephone(wire and radio)	2.00	1.45	.33	2.37	2.24	2.71	1.70	1.32	.54
Telegraph,misc communicatn serv	.07	.06	.00	.17	.18	.13	.02	.02	.01
Radio and tv broadcasting	.04	.05	.05	.09	.10	.10	.36	.24	.18
Utilities and sanitary services	1.47	1.41	1.10	1.76	1.74	1.62	1.27	1.22	1.04
Electric light and power	.37	.47	.48	.62	.64	.42	.62	.67	.63
Electric-gas utilities	.34	.30	.21	.52	.42	.29	.35	.32	.32
Gas steam supply systems	.60	.52	.38	.44	.34	.21	.17	.12	.03
Water supply	.12	.09	.02	.12	.11	.09	.06	.06	.05
Sanitary services	.02	.02	.00	.02	.20	.59	.04	.03	.00
Other utilities	.00	.00	.00	.01	.01	.00	.00	.00	.00
Wholesale and retail trade	39.30	43.87	52.31	11.06	11.31	9.26	7.28	7.37	8.11
Wholesale trade	13.71	12.65	8.09	6.44	6.34	4.54	4.20	4.11	3.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Calculating machine operators			Computer peripheral, equip oprs			Duplicating machine operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	10.12	9.20	4.67	5.01	5.07	3.71	2.80	2.77	2.13
Motor vehicles and equipment	.86	.89	.57	.71	.71	.49	.22	.21	.12
Drugs,chemicals,allied product	.65	.50	.14	.72	.66	.46	.38	.25	.04
Dry goods and apparel	.69	.50	.14	.26	.22	.17	.15	.11	.03
Food and related products	3.60	2.75	.55	.92	.84	.52	.30	.32	.36
Farm products-raw materials	.78	.85	.14	.09	.12	.05	.00	.00	.00
Electrical goods	1.34	1.41	1.36	.59	.55	.44	.48	.50	.53
Hardware and plumbing	1.25	1.47	1.59	.18	.18	.12	.15	.22	.44
Machinery equipment,supplies	.91	.79	.15	1.52	1.76	1.42	1.10	1.14	.56
Miscellaneous wholesale trade	3.59	3.45	3.41	1.42	1.27	.83	1.39	1.34	1.47
Metals and minerals, other	.46	.46	.53	.15	.12	.08	.15	.18	.36
Petroleum prducts	1.08	.78	.12	.00	.00	.00	.20	.15	.05
Scrap and waste material	.01	.02	.02	.02	.02	.01	.00	.00	.00
Alcoholic beverages	.09	.15	.27	.18	.19	.11	.02	.03	.04
Paper and paper products	.63	.58	.73	.16	.13	.11	.25	.22	.33
Lumber,construction materials	.13	.15	.26	.12	.10	.08	.10	.08	.05
Other wholesale trade	1.16	1.29	1.46	.77	.69	.41	.66	.67	.63
Retail trade	25.58	31.21	44.22	4.61	4.96	4.72	3.07	3.26	4.50
Building materials	.26	.27	.15	.13	.14	.09	.00	.00	.00
Lumber,building material	.22	.22	.07	.10	.12	.07	.00	.00	.00
Hardware and farm equipment	.04	.04	.07	.02	.02	.01	.00	.00	.00
General merchandise,total	12.67	15.87	26.01	2.35	2.38	2.45	1.56	1.90	3.79
Department stores,mail order	11.17	14.60	24.61	1.77	1.94	2.00	1.22	1.64	3.23
Limited price stores	.69	.47	.15	.13	.10	.07	.21	.14	.07
Vending machine operators	.07	.06	.02	.02	.02	.04	.00	.00	.00
Direct selling	.33	.29	.34	.13	.08	.04	.00	.00	.00
Miscellaneous merchadise store	.39	.42	.87	.29	.22	.28	.13	.12	.47
Food and dairy stores	7.48	9.19	11.94	.73	.76	.62	.35	.25	.00
Grocery stores	6.89	8.37	10.93	.67	.69	.56	.33	.24	.00
Dairy products	.19	.28	.33	.01	.01	.01	.00	.00	.00
Retail bakeries	.35	.46	.59	.03	.04	.03	.02	.01	.00
Food stores,cther	.05	.07	.07	.01	.01	.01	.00	.00	.00
Auto dealers,gas stations	.88	1.13	2.44	.19	.21	.16	.19	.17	.06
Motor vehicle dealers	.05	.04	.00	.11	.11	.06	.02	.01	.00
Tire,battery,accessory dealsr	.19	.31	.31	.07	.10	.09	.02	.02	.00
Gasoline service stations	.57	.69	1.99	.00	.00	.00	.12	.09	.00
Miscellaneous vehicle dealers	.05	.08	.13	.00	.00	.00	.02	.04	.06
Apparel and accessory stores	2.23	1.99	.58	.34	.35	.25	.04	.04	.00
Apparel,accessory,except shoes	1.47	1.34	.37	.26	.27	.17	.04	.04	.00
Shoe stores	.76	.65	.21	.07	.08	.08	.00	.00	.00
Furniture and appliance stores	.20	.22	.15	.18	.20	.15	.13	.14	.09
Home furnishings	.11	.12	.10	.10	.10	.08	.05	.04	.00
Household appliances,tv,radio	.09	.10	.05	.08	.10	.07	.07	.10	.09
Eating and drinking places	.61	1.22	1.78	.19	.38	.50	.16	.16	.00
Miscellaneous retail trade	1.22	1.28	1.13	.47	.51	.47	.61	.59	.55
Drug stores	.42	.35	.20	.13	.13	.12	.12	.08	.00
Liquor stores	.05	.06	.04	.00	.01	.01	.00	.00	.00
Farm,garden supply stores	.04	.05	.03	.03	.05	.03	.02	.01	.00
Jewelry stores	.08	.08	.04	.02	.04	.04	.02	.01	.00
Fuel and ice dealers	.12	.07	.01	.12	.09	.05	.10	.06	.02
Retail florists	.02	.03	.04	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.46	.63	.74	.14	.18	.19	.34	.42	.52
Finance,insurance and real estate	15.27	14.68	17.02	17.48	17.56	22.22	6.96	5.86	6.67
Finance,total	10.35	11.23	14.61	10.69	11.83	17.45	2.36	2.72	5.42
Banking	8.91	9.72	12.60	8.30	9.22	14.03	1.30	1.66	3.94
Credit agencies	.62	.87	1.77	1.21	1.52	2.26	.61	.77	1.41
Stock brokers,investment cos	.81	.63	.23	1.17	1.09	1.14	.45	.29	.06
Insurance	4.64	3.14	2.20	6.50	5.43	4.43	4.15	2.67	.69
Real estate	.27	.31	.20	.29	.28	.33	.43	.46	.55
Services, total	8.86	11.85	13.41	21.66	26.37	26.97	36.10	44.94	54.15

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Calculating machine operators			Computer peripheral, equip oprs			Duplicating machine operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.52	.84	.84	.08	.13	.21	.06	.06	.00
Hotels and motels	.52	.84	.84	.08	.13	.21	.06	.06	.00
Other personal services	.37	.35	.12	.07	.03	.01	.19	.22	.07
Laundering and cleaning	.26	.15	.06	.07	.03	.01	.07	.03	.00
Beauty shops	.05	.09	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.05	.10	.06	.00	.00	.00	.12	.19	.07
Miscellaneous business services	3.91	5.91	8.96	8.80	10.72	11.75	9.45	13.01	17.73
Advertising	.19	.14	.03	.11	.09	.08	.48	.37	.15
Business management services	1.39	2.07	3.68	.68	.86	.98	1.47	1.93	2.73
Commercial research,development	.05	.06	.03	.45	.54	.59	.51	.71	1.32
Computer programming	.42	.48	.43	5.93	6.92	8.03	.35	.37	.26
Detective and protective serv	.01	.02	.00	.07	.11	.09	.03	.04	.00
Employment,temporary help	.00	.00	.00	.00	.00	.00	.82	1.37	2.39
Services to buildings	.04	.09	.41	.00	.00	.00	.00	.00	.00
Other business services	1.78	3.02	4.36	1.54	2.17	1.96	5.77	8.20	10.86
Automobile services	.06	.10	.08	.10	.12	.12	.08	.12	.31
Automobile repair	.00	.00	.00	.02	.04	.03	.00	.00	.00
Automobile services,exc repair	.06	.10	.08	.08	.08	.09	.08	.12	.31
Other repair services	.14	.17	.15	.00	.00	.00	.10	.12	.10
Electrical repair	.08	.07	.08	.00	.00	.00	.02	.01	.00
Other repair,exc electrical	.05	.10	.06	.00	.00	.00	.07	.10	.10
Motion pictures and theaters	.21	.11	.08	.10	.07	.09	.43	.27	.30
Miscellaneous entertainment	.05	.13	.33	.04	.08	.06	.13	.29	.41
Other entertainment	.05	.13	.33	.04	.08	.06	.13	.29	.41
Medical and other health service	.41	.42	.00	2.11	2.75	3.96	2.36	2.73	3.40
Offices of physicians	.01	.01	.00	.00	.00	.00	.00	.00	.00
Hospitals	.34	.32	.00	1.91	2.33	3.41	1.93	2.02	2.00
Convalescent institutions	.02	.02	.00	.02	.05	.29	.05	.05	.00
Other health services	.02	.06	.00	.18	.36	.26	.37	.65	1.40
Legal services	.01	.01	.00	.01	.03	.04	.86	.81	1.09
Educational services	1.02	1.07	.78	5.13	5.63	4.82	15.26	18.96	24.08
Elementary and secondary school	.42	.36	.00	.64	.76	.41	2.43	3.57	3.86
Colleges and universities	.45	.50	.54	4.13	4.43	4.01	12.04	14.31	18.73
Libraries	.00	.00	.00	.02	.05	.05	.21	.29	.48
Other educaticnal services	.14	.21	.23	.32	.38	.32	.57	.78	1.00
Museums,art galleries,zoos	.00	.00	.00	.01	.01	.02	.04	.08	.10
Nonprofit organizations	.45	.44	.31	.77	.82	.74	3.23	3.37	3.33
Religious organizations	.08	.07	.00	.08	.09	.06	.65	.76	.65
Welfare services	.18	.17	.21	.30	.31	.30	1.04	1.10	1.67
Nonprofit membership organiztns	.19	.18	.10	.38	.41	.37	1.53	1.51	1.00
Other professional services	1.65	2.24	1.72	4.38	5.92	5.11	3.86	4.87	3.17
Engineering and architectural	.10	.16	.18	.40	.60	.61	1.25	1.52	.67
Accounting and auditing	1.50	2.02	1.43	3.42	4.67	3.88	1.68	1.98	1.15
Miscellaneous professional serv	.04	.05	.10	.56	.64	.61	.92	1.36	1.34
Government,total	2.73	2.62	.80	9.79	9.50	11.90	8.68	8.13	4.77
Federal public administration	.00	.00	.00	6.28	5.25	6.43	3.10	2.58	2.24
Postal services	.00	.00	.00	.14	.19	.18	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	6.14	5.06	6.25	3.10	2.58	2.24
State public administration	1.71	1.60	.39	2.10	2.57	2.65	3.46	3.48	1.52
Local public administration	1.01	1.01	.40	1.39	1.66	2.81	2.11	2.07	1.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Keypunch operators			Tabulating machine operators			Other office mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.13	.15	.07	.05	.06	.11	.19	.18	.14
Agriculture	.09	.09	.02	.00	.00	.00	.13	.10	.09
Agricultural production	.04	.03	.00	.00	.00	.00	.03	.02	.00
Services, except horticulture	.04	.04	.01	.00	.00	.00	.09	.08	.09
Horticultural services	.00	.01	.01	.00	.00	.00	.00	.00	.00
Forestry	.04	.06	.05	.05	.06	.11	.05	.07	.04
Mining	.57	.76	.63	.63	.89	.72	.44	.55	.30
Metal	.06	.06	.06	.00	.00	.00	.02	.01	.00
Coal	.02	.03	.05	.00	.00	.00	.01	.01	.00
Crude petroleum and natural gas	.43	.62	.48	.63	.89	.72	.39	.51	.28
Nonmetallic mining and quarrying	.04	.04	.03	.00	.00	.00	.01	.01	.01
Construction	.93	.94	1.22	.61	.59	.00	.74	.60	.39
General building contractors	.13	.13	.13	.00	.00	.00	.03	.02	.00
General contractors, exc building	.66	.65	.95	.61	.59	.00	.61	.49	.39
Special trade contractors	.14	.15	.13	.00	.00	.00	.10	.08	.00
Manufacturing	27.67	24.00	20.72	35.98	33.73	32.94	26.77	20.77	13.38
Durable goods	16.81	15.29	15.09	21.37	20.01	21.70	10.86	8.92	7.18
Ordnance	.49	.26	.25	.61	.30	.27	.46	.21	.20
Lumber and wood products	.22	.18	.11	.85	.79	.72	.10	.09	.11
Logging	.01	.01	.00	.03	.03	.00	.00	.00	.00
Sawmill, planing and mill work	.16	.13	.06	.82	.76	.72	.01	.00	.00
Miscellaneous wood products	.05	.04	.04	.00	.00	.00	.09	.08	.11
Furniture and fixtures	.39	.37	.32	.14	.16	.00	.16	.13	.07
Stone, clay, and glass products	.53	.44	.24	.88	.86	1.32	.29	.23	.14
Glass and glass products	.18	.14	.06	.28	.30	.33	.08	.06	.03
Cement, concrete, plaster	.15	.13	.07	.24	.26	.55	.09	.07	.04
Structural clay products	.03	.02	.01	.13	.06	.05	.01	.00	.00
Pottery and related products	.03	.02	.01	.05	.06	.05	.03	.02	.01
Miscellaneous nonmetallic, stone	.12	.11	.08	.16	.16	.33	.06	.06	.05
Primary metal industries	1.70	1.43	1.34	1.84	1.66	.83	.70	.54	.41
Blast furnaces, steel works	.84	.66	.64	1.07	.93	.00	.32	.22	.14
Other primary steel	.31	.25	.17	.30	.26	.00	.13	.11	.08
Primary aluminum	.20	.20	.20	.21	.20	.33	.07	.08	.10
Other primary nonferrous	.34	.31	.32	.25	.26	.49	.16	.12	.07
Fabricated metal products	1.61	1.51	1.25	2.03	2.13	4.76	.73	.65	.54
Cutlery and other hardware	.31	.30	.22	.26	.30	.27	.17	.14	.08
Fabricated structural metal	.43	.40	.28	.32	.43	2.32	.17	.14	.07
Screw machine products	.16	.14	.10	.56	.40	.11	.06	.05	.07
Metal stamping	.20	.20	.30	.17	.23	.66	.11	.11	.16
Miscellaneous fabricated metal	.49	.45	.33	.70	.76	1.38	.21	.18	.13
Machinery except electrical	3.44	3.54	4.15	3.35	3.66	3.26	2.11	1.93	1.92
Engines and turbines	.20	.21	.18	.16	.20	.00	.08	.08	.07
Farm machinery and equipment	.31	.29	.21	.31	.33	.00	.09	.09	.10
Construction machines	.53	.62	.79	.32	.40	.88	.26	.25	.20
Metalworking machinery	.40	.41	.48	.50	.53	.72	.15	.16	.23
Office and accounting machines	.26	.17	.12	.24	.16	.00	.43	.27	.16
Electronic computing equipment	.54	.55	.50	.64	.86	.00	.32	.35	.46
Other machinery, exc electrical	1.16	1.26	1.85	1.16	1.16	1.66	.74	.71	.68
Electrical machinery	3.71	3.40	3.62	5.89	5.06	4.81	2.47	2.10	1.89
Household appliances	.29	.23	.19	.42	.33	.33	.12	.09	.07
Radio, tv communications equip	1.51	1.26	1.33	1.91	1.26	.77	1.20	.93	.78
Other electrical machinery	1.90	1.90	2.09	3.56	3.46	3.71	1.14	1.07	1.03
Transportation equipment	3.07	2.55	2.41	3.67	3.16	2.21	2.15	1.52	.75
Motor vehicles and equipment	1.30	1.32	1.79	1.99	1.86	1.44	.70	.65	.41
Aircraft and parts	1.39	.90	.33	1.56	1.16	.72	1.21	.68	.16
Ship, boat building and repair	.24	.18	.14	.00	.00	.00	.17	.09	.04
Railroad equipment	.07	.07	.05	.11	.13	.05	.00	.00	.00
Mobile dwellings	.02	.02	.04	.00	.00	.00	.00	.00	.00
Cycles, misc transportation	.03	.04	.04	.00	.00	.00	.06	.08	.13
Professional, scientific instrs	.96	1.00	.96	1.53	1.66	2.65	1.17	1.08	.86
Scientific instruments	.33	.31	.24	.51	.46	.27	.45	.39	.29
Optical, health serv supplies	.28	.37	.42	.28	.36	.38	.18	.22	.23
Photo equipment and supplies	.28	.28	.26	.73	.83	1.99	.47	.42	.33
Watches and clock devices	.06	.04	.02	.00	.00	.00	.06	.02	.00
Miscellaneous manufacturing	.64	.56	.40	.54	.53	.83	.49	.40	.24
Nondurable goods	10.86	8.70	5.63	14.60	13.72	11.24	15.91	11.85	6.20

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Key punch operators			Tabulating machine operators			Other office mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.81	1.41	.92	1.76	1.53	1.49	1.21	.86	.54
Meat	.35	.29	.18	.05	.06	.00	.14	.11	.07
Dairy	.28	.18	.11	.10	.06	.00	.24	.14	.06
Canning and preserving	.24	.21	.17	.81	.66	.44	.19	.14	.07
Grain mill	.13	.10	.05	.38	.43	.99	.12	.10	.06
Bakery	.18	.13	.09	.00	.00	.00	.19	.12	.07
Confectionery	.11	.07	.03	.26	.16	.05	.07	.04	.01
Beverages	.23	.17	.09	.03	.03	.00	.13	.10	.08
Miscellaneous food preparation	.27	.22	.15	.11	.10	.00	.10	.09	.10
Tobacco manufacturing	.10	.06	.03	.16	.13	.11	.07	.04	.02
Textile mill products	1.15	.89	.78	.83	.73	.11	.84	.59	.39
Knitting mills	.32	.27	.29	.00	.00	.00	.17	.12	.08
Dyeing, finishing textiles	.09	.07	.03	.10	.10	.00	.17	.12	.06
Floor coverings	.13	.11	.09	.16	.13	.11	.01	.01	.02
Yarn and fabric mills	.49	.36	.27	.43	.36	.00	.31	.21	.13
Miscellaneous textile mill	.09	.07	.08	.13	.13	.00	.16	.11	.08
Apparel and textile products	1.25	1.03	.64	.93	1.16	4.26	1.24	.89	.38
Apparel and accessories	1.10	.90	.59	.83	1.03	3.71	1.04	.73	.31
Miscellaneous fabricated textile	.15	.12	.05	.10	.13	.55	.19	.15	.07
Paper and allied products	.90	.67	.38	2.26	2.23	.00	1.55	1.13	.57
Pulp, paper paperboard mills	.41	.29	.16	.45	.43	.00	.51	.31	.11
Paperboard ccontainers, boxes	.19	.13	.07	.41	.33	.00	.13	.08	.06
Miscellaneous paper and pulp	.29	.25	.14	1.39	1.46	.00	.90	.73	.40
Printing and publishing	1.99	1.55	.72	4.27	3.69	4.31	8.43	6.33	2.94
Newspaper publishing, printing	.31	.25	.14	.31	.46	2.27	3.00	2.40	1.44
Other printing, exc newspapers	1.68	1.30	.58	3.96	3.23	2.04	5.42	3.93	1.50
Chemicals and allied products	1.79	1.52	1.28	2.45	2.26	.83	1.05	.78	.64
Industrial chemicals	.46	.37	.30	.55	.53	.60	.27	.20	.18
Plastics and synthetics	.10	.07	.05	.10	.10	.00	.10	.07	.06
Synthetic fibers	.17	.14	.14	.23	.23	.00	.06	.03	.01
Drugs and medicines	.33	.33	.23	.68	.59	.22	.26	.22	.18
Soaps and cosmetics	.34	.30	.30	.36	.36	.00	.10	.09	.09
Paints and varnishes	.18	.15	.12	.18	.20	.00	.07	.03	.00
Agricultural chemicals	.07	.06	.03	.05	.06	.00	.06	.03	.00
Miscellaneous chemicals	.10	.07	.09	.26	.16	.00	.10	.07	.09
Petroleum and coal products	.59	.50	.26	.68	.50	.11	.34	.28	.14
Petroleum refining	.52	.44	.21	.68	.50	.11	.34	.28	.14
Misc petroleum, coal products	.07	.06	.05	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.87	.78	.43	1.05	1.33	.00	.54	.52	.33
Rubber	.58	.46	.31	.31	.26	.00	.28	.21	.13
Miscellaneous plastics	.29	.31	.12	.74	1.06	.00	.26	.30	.20
Leather products	.36	.25	.14	.16	.13	.00	.61	.39	.20
Leather tanning and finishing	.02	.01	.00	.00	.00	.00	.26	.16	.05
Footwear, except rubber	.26	.17	.10	.08	.06	.00	.21	.13	.06
All other leather	.08	.05	.03	.07	.06	.00	.13	.09	.09
Transportation, other public util	7.70	6.58	5.17	8.70	8.02	8.19	3.41	2.93	2.08
Transportation, total	3.69	2.94	2.47	2.34	2.53	4.81	1.22	1.04	.73
Railroads and railway express	1.76	1.09	.40	.91	.69	.66	.31	.19	.07
Local and interurban transit	.10	.06	.09	.23	.43	2.54	.04	.03	.11
Street railways and bus lines	.09	.05	.08	.18	.26	2.15	.04	.03	.11
Taxicab service	.00	.00	.00	.04	.16	.38	.00	.00	.00
Trucking and warehousing	.92	.87	1.14	.38	.46	.27	.38	.35	.18
Trucking services	.82	.79	1.11	.32	.36	.00	.32	.32	.17
Warehousing and storage	.10	.07	.03	.06	.10	.27	.06	.03	.00
Water transportation	.19	.15	.08	.10	.10	.00	.05	.03	.01
Air transportation	.49	.47	.39	.47	.53	.94	.24	.21	.16
Pipelines	.03	.03	.02	.00	.00	.00	.03	.01	.00
Transportation services	.17	.24	.32	.23	.30	.38	.15	.20	.19
Communicatns, utils, sanitary serv	4.00	3.63	2.70	6.36	5.49	3.37	2.18	1.89	1.34
Communications	2.22	1.93	1.25	3.55	2.99	1.60	1.06	.93	.69
Telephone(wire and radio)	2.08	1.78	1.10	3.35	2.76	1.55	.94	.80	.53
Telegraph, misc communicatn serv	.05	.06	.04	.14	.16	.05	.02	.01	.00
Radio and tv broadcasting	.09	.08	.10	.05	.06	.00	.09	.11	.16
Utilities and sanitary services	1.77	1.70	1.45	2.81	2.49	1.77	1.12	.95	.64
Electric light and power	.63	.72	.67	.95	.89	.55	.31	.29	.17
Electric-gas utilities	.63	.54	.44	1.05	.93	1.05	.30	.25	.21
Gas steam supply systems	.35	.28	.20	.61	.43	.16	.20	.14	.07
Water supply	.12	.12	.11	.07	.10	.00	.16	.13	.06
Sanitary services	.01	.01	.01	.11	.13	.00	.10	.09	.08
Other utilities	.01	.00	.00	.00	.00	.00	.03	.03	.02
Wholesale and retail trade	14.19	14.75	14.39	13.35	14.58	12.84	16.66	17.52	16.24
Wholesale trade	8.48	8.51	7.20	8.46	8.89	3.59	6.46	5.94	3.94

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Keypunch operators			Tabulating machine operators			Other office mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	6.09	6.06	4.47	5.28	6.09	1.82	4.22	4.00	2.40
Motor vehicles and equipment	.83	.91	.89	.92	1.13	.00	.43	.40	.25
Drugs,chemicals,allied product	1.00	.88	.53	1.03	1.13	.00	.33	.23	.06
Dry goods and apparel	.39	.34	.28	.18	.16	.00	.41	.33	.27
Food and related products	1.13	1.02	.57	.64	.73	.00	.58	.49	.26
Farm products-raw materials	.11	.12	.03	.26	.33	.11	.24	.27	.07
Electrical goods	.78	.78	.78	1.07	1.09	1.27	.39	.34	.21
Hardware and plumbing	.38	.34	.14	.15	.20	.44	.28	.27	.21
Machinery equipment,supplies	1.44	1.63	1.23	.99	1.29	.00	1.54	1.64	1.03
Miscellaneous wholesale trade	2.38	2.45	2.72	3.17	2.79	1.77	2.24	1.94	1.54
Metals and minerals, other	.25	.24	.32	.45	.33	.16	.12	.10	.09
Petroleum products	.50	.48	.29	1.03	.79	.27	.39	.28	.06
Scrap and waste material	.01	.01	.01	.07	.10	.00	.01	.02	.01
Alcoholic beverages	.30	.37	.39	.60	.50	.11	.01	.01	.01
Paper and paper products	.25	.22	.32	.14	.16	.27	.58	.47	.47
Lumber,construction materials	.13	.13	.17	.05	.06	.00	.12	.11	.10
Other wholesale trade	.91	.98	1.21	.81	.83	.94	.97	.93	.78
Retail trade	5.71	6.23	7.18	4.89	5.69	9.24	10.19	11.57	12.30
Building materials	.17	.16	.09	.00	.00	.00	.11	.10	.07
Lumber,building material	.08	.09	.04	.00	.00	.00	.05	.06	.04
Hardware and farm equipment	.09	.07	.04	.00	.00	.00	.05	.04	.02
General merchandise,total	2.96	3.08	3.60	2.13	2.49	5.42	5.41	5.77	6.78
Department stores,mail order	2.29	2.56	3.04	1.89	2.26	4.31	4.89	5.37	6.39
Limited price stores	.20	.14	.07	.00	.00	.00	.14	.10	.10
Vending machine operators	.06	.05	.06	.00	.00	.00	.01	.01	.01
Direct selling	.10	.08	.10	.00	.00	.00	.15	.10	.06
Miscellaneous merchadise store	.29	.23	.33	.23	.23	1.10	.20	.17	.21
Food and dairy stores	.74	.89	1.44	.71	.83	.00	.87	.88	.82
Grocery stores	.68	.81	1.30	.65	.76	.00	.76	.78	.75
Dairy products	.02	.04	.09	.00	.00	.00	.03	.02	.00
Retail bakeries	.01	.02	.02	.00	.00	.00	.03	.02	.01
Food stores,cther	.01	.02	.02	.05	.06	.00	.04	.05	.05
Auto dealers,gas stations	.27	.34	.57	.52	.50	.00	.35	.39	.35
Motor vehicle dealers	.15	.17	.24	.10	.10	.00	.09	.09	.08
Tire,battery,accessory dealrs	.11	.14	.29	.05	.06	.00	.04	.08	.10
Gasoline service stations	.00	.00	.00	.36	.33	.00	.21	.22	.17
Miscellaneous vehicle dealers	.01	.01	.03	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.47	.53	.49	.38	.46	.00	.91	.89	.55
Apparel,accessory,except shoes	.35	.41	.38	.33	.40	.00	.78	.76	.41
Shoe stores	.12	.12	.11	.05	.06	.00	.13	.13	.14
Furniture and appliance stores	.24	.26	.19	.10	.10	.00	.31	.31	.23
Home furnishings	.13	.12	.09	.10	.10	.00	.18	.16	.11
Household appliances,tv,radio	.11	.13	.10	.00	.00	.00	.12	.14	.12
Eating and drinking places	.20	.32	.28	.06	.06	.00	1.45	2.43	2.72
Miscellaneous retail trade	.61	.63	.51	.97	1.23	3.82	.75	.75	.73
Drug stores	.19	.17	.11	.18	.16	.00	.04	.02	.00
Liquor stores	.02	.03	.01	.00	.00	.00	.03	.03	.01
Farm,garden supply stores	.04	.05	.05	.00	.00	.00	.03	.03	.01
Jewelry stores	.05	.05	.01	.00	.00	.00	.05	.04	.05
Fuel and ice dealers	.10	.07	.03	.33	.30	.00	.16	.07	.00
Misc retail trade stores	.19	.24	.26	.45	.76	3.82	.42	.53	.65
Finance,insurance and real estate	16.18	15.49	17.93	17.31	14.51	13.34	16.71	15.79	20.46
Finance,total	7.86	8.28	11.49	10.17	7.92	5.81	11.02	11.59	17.99
Banking	5.89	6.19	8.76	8.97	6.66	2.10	9.13	9.75	15.97
Credit agencies	.95	1.16	1.76	.25	.46	3.15	.95	1.08	1.55
Stock brokers,investment cos	1.01	.92	.96	.94	.79	.55	.94	.75	.46
Insurance	8.00	6.87	6.13	6.90	6.19	7.53	5.20	3.75	1.75
Real estate	.31	.33	.30	.23	.40	.00	.48	.45	.70
Services, total	21.01	25.94	32.14	15.13	19.38	23.47	25.63	32.46	36.50

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Keypunch operators			Tabulating machine operators			Other office mach operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.12	.13	.26	.05	.06	.00	1.07	1.45	2.63
Hotels and motels	.10	.13	.26	.05	.06	.00	1.03	1.41	2.54
Other lodging places	.01	.00	.00	.00	.00	.00	.04	.04	.09
Other personal services	.19	.12	.07	.06	.06	.00	.65	.56	.40
Laundering and cleaning	.19	.12	.07	.06	.06	.00	.49	.28	.16
Beauty shops	.00	.00	.00	.00	.00	.00	.03	.04	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.01	.01	.00
Dressmaking shops	.00	.00	.00	.00	.00	.00	.01	.01	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.10	.20	.23
Miscellaneous business services	9.23	11.90	12.69	4.28	5.39	7.47	12.43	17.18	19.22
Advertising	.12	.10	.05	.34	.30	.16	.56	.42	.39
Business management services	.71	.88	.91	.56	.69	.55	.59	.73	.86
Commercial research, development	.17	.19	.17	.10	.16	.44	.19	.25	.44
Computer programing	4.32	5.07	5.82	1.88	2.49	5.03	.38	.40	.32
Detective and protective serv	.06	.09	.06	.00	.00	.00	.06	.10	.11
Employment, temporary help	2.12	3.15	3.63	.00	.00	.00	1.53	2.38	3.60
Services to buildings	.00	.00	.00	.00	.00	.00	.07	.09	.14
Other business services	1.71	2.39	2.03	1.38	1.73	1.27	9.04	12.78	13.34
Automobile services	.13	.14	.17	.08	.10	.00	.03	.03	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.02	.02	.00
Automobile services, exc repair	.13	.14	.17	.08	.10	.00	.01	.01	.00
Other repair services	.00	.00	.00	.00	.00	.00	.05	.09	.10
Electrical repair	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.04	.09	.10
Motion pictures and theaters	.13	.09	.13	.15	.13	.00	.14	.08	.10
Miscellaneous entertainment	.05	.09	.05	.06	.13	.00	.34	.57	.45
Other entertainment	.05	.09	.05	.06	.13	.00	.34	.57	.45
Medical and other health service	2.17	2.77	3.97	1.13	1.66	1.10	2.58	3.16	3.76
Offices of physicians	.00	.00	.00	.00	.00	.00	.10	.12	.11
Offices of dentists	.00	.00	.00	.00	.00	.00	.01	.01	.00
Hospitals	1.87	2.19	3.22	.43	.59	.00	2.21	2.42	2.91
Convalescent institutions	.01	.03	.28	.07	.13	.00	.02	.02	.00
Other health services	.28	.54	.47	.62	.93	1.10	.22	.57	.74
Legal services	.04	.05	.04	.06	.06	.00	.08	.12	.13
Educational services	3.53	3.85	5.95	4.14	4.99	6.97	4.45	4.99	5.45
Elementary and secondary school	.64	.65	.27	.84	.96	.00	.76	1.12	1.28
Colleges and universities	2.44	2.69	5.21	3.02	3.49	4.43	3.20	3.25	3.43
Libraries	.01	.01	.01	.05	.06	.00	.09	.15	.13
Other educational services	.41	.49	.46	.22	.46	2.54	.39	.46	.59
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.06	.09	.15
Nonprofit organizations	1.21	1.35	1.38	2.04	2.43	2.27	2.70	2.80	2.83
Religious organizations	.15	.20	.22	.00	.00	.00	.59	.65	.39
Welfare services	.53	.57	.57	1.53	1.83	1.21	.70	.71	1.01
Residential welfare services	.00	.00	.03	.00	.00	.00	.05	.08	.40
Nonprofit membership organiztns	.52	.57	.56	.51	.59	1.05	1.35	1.36	1.02
Other professional services	4.15	5.39	7.38	3.03	4.32	5.64	1.00	1.27	1.24
Engineering and architectural	.22	.32	.31	.14	.20	.00	.12	.19	.24
Accounting and auditing	3.57	4.56	6.25	2.33	3.43	4.98	.59	.77	.69
Miscellaneous professional serv	.35	.50	.82	.55	.69	.66	.27	.30	.30
Government, total	11.58	11.36	7.69	8.20	8.19	8.36	9.42	9.16	10.46
Federal public administration	6.28	5.73	4.18	1.65	1.66	4.04	3.13	2.65	6.31
Postal services	.07	.09	.14	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	6.21	5.63	4.04	1.65	1.66	4.04	3.13	2.65	6.31
State public administration	3.38	3.63	2.19	3.85	3.46	1.16	2.89	3.08	1.97
Local public administration	1.91	2.00	1.31	2.69	3.06	3.15	3.39	3.43	2.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other clerical workers			Bank tellers			Billing clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.24	.30	.22	.00	.00	.00	.10	.11	.05
Agriculture	.22	.27	.20	.00	.00	.00	.08	.09	.05
Agricultural production	.07	.12	.08	.00	.00	.00	.02	.01	.00
Services, except horticulture	.11	.11	.08	.00	.00	.00	.03	.04	.03
Horticultural services	.02	.03	.03	.00	.00	.00	.02	.03	.01
Forestry	.02	.02	.01	.00	.00	.00	.01	.01	.00
Mining	.34	.41	.34	.00	.00	.00	.51	.62	.49
Metal	.03	.02	.02	.00	.00	.00	.06	.05	.05
Coal	.04	.05	.06	.00	.00	.00	.07	.08	.08
Crude petroleum and natural gas	.20	.27	.21	.00	.00	.00	.27	.38	.29
Nonmetallic mining and quarrying	.06	.06	.04	.00	.00	.00	.11	.09	.06
Construction	1.89	2.03	1.95	.00	.00	.00	1.25	1.43	1.60
General building contractors	.37	.40	.38	.00	.00	.00	.15	.18	.25
General contractors, exc building	.64	.61	.66	.00	.00	.00	.37	.37	.35
Special trade contractors	.86	1.01	.90	.00	.00	.00	.72	.87	.99
Manufacturing	16.65	13.77	12.19	.00	.00	.00	28.96	25.35	23.16
Durable goods	9.53	8.10	7.42	.00	.00	.00	14.66	13.72	13.57
Ordnance	.28	.13	.10	.00	.00	.00	.11	.06	.06
Lumber and wood products	.23	.20	.17	.00	.00	.00	.39	.36	.32
Logging	.01	.01	.00	.00	.00	.00	.01	.01	.00
Sawmill, planing and mill work	.16	.14	.11	.00	.00	.00	.23	.22	.17
Miscellaneous wood products	.06	.05	.04	.00	.00	.00	.14	.13	.14
Furniture and fixtures	.32	.28	.29	.00	.00	.00	.74	.70	.72
Stone, clay, and glass products	.44	.37	.26	.00	.00	.00	1.04	.89	.63
Glass and glass products	.11	.09	.07	.00	.00	.00	.26	.23	.19
Cement, concrete, plaster	.17	.14	.10	.00	.00	.00	.42	.36	.25
Structural clay products	.02	.01	.00	.00	.00	.00	.09	.06	.02
Pottery and related products	.02	.02	.01	.00	.00	.00	.02	.01	.01
Miscellaneous nonmetallic, stone	.11	.09	.07	.00	.00	.00	.24	.21	.15
Primary metal industries	.99	.75	.62	.00	.00	.00	1.89	1.51	1.33
Blast furnaces, steel works	.48	.33	.25	.00	.00	.00	.89	.64	.50
Other primary steel	.24	.18	.15	.00	.00	.00	.51	.41	.36
Primary aluminum	.10	.09	.07	.00	.00	.00	.14	.14	.12
Other primary nonferrous	.16	.13	.13	.00	.00	.00	.33	.31	.34
Fabricated metal products	1.18	1.05	.94	.00	.00	.00	2.38	2.29	2.30
Cutlery and other hardware	.15	.14	.14	.00	.00	.00	.34	.34	.35
Fabricated structural metal	.36	.33	.29	.00	.00	.00	.55	.53	.56
Screw machine products	.11	.09	.07	.00	.00	.00	.22	.19	.14
Metal stamping	.16	.14	.12	.00	.00	.00	.27	.25	.27
Miscellaneous fabricated metal	.39	.34	.30	.00	.00	.00	.99	.97	.97
Machinery except electrical	1.81	1.71	1.85	.00	.00	.00	2.70	2.72	3.13
Engines and turbines	.10	.10	.09	.00	.00	.00	.12	.13	.14
Farm machinery and equipment	.12	.11	.09	.00	.00	.00	.23	.21	.16
Construction machines	.31	.32	.32	.00	.00	.00	.35	.41	.52
Metalworking machinery	.24	.22	.24	.00	.00	.00	.38	.39	.46
Office and accounting machines	.09	.06	.04	.00	.00	.00	.19	.12	.07
Electronic computing equipment	.16	.18	.29	.00	.00	.00	.15	.17	.26
Other machinery, exc electrical	.75	.71	.76	.00	.00	.00	1.24	1.26	1.49
Electrical machinery	1.72	1.47	1.42	.00	.00	.00	2.34	2.18	2.31
Household appliances	.14	.11	.09	.00	.00	.00	.30	.25	.26
Radio, tv communications equip	.63	.49	.39	.00	.00	.00	.69	.56	.38
Other electrical machinery	.93	.86	.93	.00	.00	.00	1.34	1.36	1.66
Transportation equipment	1.65	1.29	.97	.00	.00	.00	1.15	1.12	.89
Motor vehicles and equipment	.60	.57	.47	.00	.00	.00	.69	.71	.50
Aircraft and parts	.72	.44	.20	.00	.00	.00	.22	.16	.10
Ship, boat building and repair	.22	.16	.14	.00	.00	.00	.07	.06	.05
Railroad equipment	.03	.04	.03	.00	.00	.00	.07	.08	.08
Mobile dwellings	.03	.04	.09	.00	.00	.00	.04	.04	.08
Cycles, misc transportation	.02	.02	.03	.00	.00	.00	.03	.05	.05
Professional, scientific instrs	.48	.47	.47	.00	.00	.00	.96	1.03	1.09
Scientific instruments	.18	.16	.14	.00	.00	.00	.31	.28	.20
Optical, health serv supplies	.14	.17	.19	.00	.00	.00	.36	.48	.60
Photo equipment and supplies	.12	.11	.12	.00	.00	.00	.24	.23	.25
Watches and clock devices	.03	.02	.01	.00	.00	.00	.04	.03	.02
Miscellaneous manufacturing	.39	.32	.27	.00	.00	.00	.91	.81	.75
Nondurable goods	7.11	5.66	4.76	.00	.00	.00	14.30	11.62	9.58

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other clerical workers			Bank tellers			Billing clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.31	.97	.74	.00	.00	.00	2.45	1.91	1.48
Meat	.22	.17	.12	.00	.00	.00	.41	.35	.29
Dairy	.19	.11	.07	.00	.00	.00	.45	.28	.17
Canning and preserving	.19	.15	.13	.00	.00	.00	.29	.25	.24
Grain mill	.11	.08	.06	.00	.00	.00	.17	.15	.12
Bakery	.19	.13	.10	.00	.00	.00	.27	.19	.13
Confectionery	.06	.04	.03	.00	.00	.00	.17	.12	.09
Beverages	.17	.13	.11	.00	.00	.00	.27	.21	.17
Miscellaneous food preparation	.15	.11	.09	.00	.00	.00	.38	.31	.24
Tobacco manufacturing	.05	.03	.02	.00	.00	.00	.11	.07	.05
Textile mill products	.60	.45	.45	.00	.00	.00	1.81	1.40	1.32
Knitting mills	.15	.12	.14	.00	.00	.00	.36	.29	.31
Dyeing,finishing textiles	.06	.04	.03	.00	.00	.00	.40	.30	.22
Floor coverings	.05	.04	.05	.00	.00	.00	.11	.10	.13
Yarn and fabric mills	.27	.19	.17	.00	.00	.00	.74	.56	.51
Miscellaneous textile mill	.05	.04	.04	.00	.00	.00	.18	.13	.14
Apparel and textile products	.88	.71	.61	.00	.00	.00	1.81	1.53	1.28
Apparel and accessories	.75	.59	.50	.00	.00	.00	1.52	1.27	1.09
Miscellaneous fabricated textile	.12	.11	.11	.00	.00	.00	.28	.26	.19
Paper and allied products	.60	.45	.41	.00	.00	.00	1.91	1.49	1.33
Pulp,paper paperboard mills	.22	.15	.12	.00	.00	.00	.49	.35	.26
Paperboard containers,boxes	.19	.13	.12	.00	.00	.00	.80	.59	.55
Miscellaneous paper and pulp	.18	.16	.16	.00	.00	.00	.61	.55	.51
Printing and publishing	1.83	1.52	1.21	.00	.00	.00	2.56	2.10	1.56
Newspaper publishing, printing	.84	.73	.63	.00	.00	.00	.52	.45	.39
Other printing,exc newspapers	.99	.78	.57	.00	.00	.00	2.03	1.64	1.16
Chemicals and allied products	.93	.76	.74	.00	.00	.00	1.72	1.44	1.32
Industrial chemicals	.25	.20	.19	.00	.00	.00	.33	.26	.20
Plastics and synthetics	.07	.05	.05	.00	.00	.00	.08	.06	.06
Synthetic fibers	.05	.04	.05	.00	.00	.00	.02	.03	.05
Drugs and medicines	.15	.14	.12	.00	.00	.00	.23	.24	.23
Soaps and cosmetics	.16	.13	.13	.00	.00	.00	.32	.25	.18
Paints and varnishes	.09	.07	.07	.00	.00	.00	.24	.21	.24
Agricultural chemicals	.05	.04	.03	.00	.00	.00	.24	.21	.14
Miscellaneous chemicals	.09	.05	.06	.00	.00	.00	.23	.16	.20
Petroleum and coal products	.20	.17	.10	.00	.00	.00	.41	.36	.25
Petroleum refining	.16	.13	.07	.00	.00	.00	.28	.24	.13
Misc petroleum,coal products	.03	.03	.03	.00	.00	.00	.12	.12	.11
Rubber,miscellaneous plastics	.45	.43	.34	.00	.00	.00	.93	.91	.76
Rubber	.23	.18	.15	.00	.00	.00	.54	.44	.40
Miscellaneous plastics	.22	.25	.18	.00	.00	.00	.39	.46	.36
Leather products	.21	.14	.10	.00	.00	.00	.55	.36	.20
Leather tanning and finishing	.01	.01	.00	.00	.00	.00	.05	.03	.01
Footwear, except rubber	.14	.09	.05	.00	.00	.00	.36	.22	.11
All other leather	.06	.04	.03	.00	.00	.00	.14	.10	.07
Transportation, other public util	10.14	8.57	6.89	.00	.00	.00	14.88	13.87	9.90
Transportation,total	3.87	3.45	2.76	.00	.00	.00	7.90	7.21	4.45
Railroads and railway express	.90	.54	.23	.00	.00	.00	1.79	1.05	.39
Local and interurban transit	.31	.26	.31	.00	.00	.00	.11	.07	.18
Street railways and bus lines	.24	.18	.24	.00	.00	.00	.10	.06	.17
Taxicab service	.07	.07	.06	.00	.00	.00	.00	.01	.00
Trucking and warehousing	1.10	1.10	.76	.00	.00	.00	4.82	4.87	2.72
Trucking services	.96	.99	.67	.00	.00	.00	4.50	4.60	2.55
Warehousing and storage	.14	.11	.08	.00	.00	.00	.32	.27	.16
Water transportation	.27	.23	.16	.00	.00	.00	.52	.44	.27
Air transportation	.96	.95	.88	.00	.00	.00	.21	.19	.10
Pipelines	.02	.02	.01	.00	.00	.00	.03	.03	.01
Transportation services	.28	.33	.37	.00	.00	.00	.38	.54	.75
Communicatns,utils,sanitary serv	6.27	5.12	4.13	.00	.00	.00	6.98	6.65	5.44
Communications	4.58	3.59	2.89	.00	.00	.00	2.82	2.67	2.31
Telephone(wire and radio)	4.29	3.30	2.65	.00	.00	.00	2.48	2.31	1.97
Telegraph,misc communicatn serv	.15	.14	.09	.00	.00	.00	.15	.17	.14
Radio and tv broadcasting	.13	.13	.14	.00	.00	.00	.18	.19	.19
Utilities and sanitary services	1.69	1.52	1.23	.00	.00	.00	4.16	3.98	3.12
Electric light and power	.55	.57	.45	.00	.00	.00	1.32	1.44	.95
Electric-gas utilities	.43	.36	.31	.00	.00	.00	.91	.79	.57
Gas steam supply systems	.38	.30	.22	.00	.00	.00	.57	.46	.38
Water supply	.24	.21	.17	.00	.00	.00	1.17	1.11	1.07
Sanitary services	.06	.05	.06	.00	.00	.00	.13	.12	.11
Other utilities	.00	.00	.00	.00	.00	.00	.04	.03	.03
Wholesale and retail trade	25.29	26.70	28.43	.00	.00	.00	35.18	35.75	34.64
Wholesale trade	6.82	6.43	5.73	.00	.00	.00	21.51	20.42	16.30

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other clerical workers			Bank tellers			Billing clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	4.67	4.53	4.06	.00	.00	.00	14.25	13.75	10.31
Motor vehicles and equipment	.68	.67	.64	.00	.00	.00	1.53	1.48	1.12
Drugs,chemicals,allied product	.47	.41	.33	.00	.00	.00	1.38	1.20	.85
Dry goods and apparel	.37	.30	.28	.00	.00	.00	1.21	.98	.78
Food and related products	.70	.63	.49	.00	.00	.00	1.79	1.59	1.08
Farm products-raw materials	.16	.19	.08	.00	.00	.00	.31	.38	.16
Electrical goods	.65	.60	.62	.00	.00	.00	1.91	1.70	1.36
Hardware and plumbing	.41	.39	.34	.00	.00	.00	1.71	1.58	1.08
Machinery equipment,supplies	1.19	1.31	1.24	.00	.00	.00	4.39	4.81	3.85
Miscellaneous wholesale trade	2.15	1.90	1.66	.00	.00	.00	7.26	6.67	5.98
Metals and minerals, other	.21	.17	.16	.00	.00	.00	.63	.53	.46
Petroleum products	.37	.33	.25	.00	.00	.00	.70	.65	.46
Scrap and waste material	.05	.05	.03	.00	.00	.00	.06	.07	.04
Alcoholic beverages	.13	.13	.10	.00	.00	.00	.28	.30	.22
Paper and paper products	.26	.20	.20	.00	.00	.00	1.12	.90	.92
Lumber,construction materials	.20	.17	.18	.00	.00	.00	.72	.68	.74
Other wholesale trade	.90	.81	.71	.00	.00	.00	3.72	3.52	3.12
Retail trade	18.47	20.26	22.69	.00	.00	.00	13.66	15.33	18.34
Building materials	.77	.72	.59	.00	.00	.00	.85	.83	.58
Lumber,building material	.46	.46	.31	.00	.00	.00	.63	.64	.42
Hardware and farm equipment	.31	.26	.27	.00	.00	.00	.22	.19	.16
General merchandise,total	5.56	5.72	7.60	.00	.00	.00	6.58	7.50	11.33
Department stores,mail order	4.04	4.42	5.92	.00	.00	.00	5.41	6.47	9.93
Limited price stores	.73	.63	.75	.00	.00	.00	.50	.39	.30
Vending machine operators	.07	.06	.10	.00	.00	.00	.06	.06	.13
Direct selling	.08	.07	.06	.00	.00	.00	.09	.07	.06
Miscellaneous merchandise store	.63	.53	.76	.00	.00	.00	.50	.49	.89
Food and dairy stores	5.37	5.64	6.23	.00	.00	.00	.70	.79	.90
Grocery stores	5.19	5.44	6.05	.00	.00	.00	.56	.62	.76
Dairy products	.03	.03	.03	.00	.00	.00	.04	.06	.03
Retail bakeries	.05	.06	.05	.00	.00	.00	.03	.04	.05
Food stores,other	.08	.09	.09	.00	.00	.00	.06	.06	.05
Auto dealers,gas stations	1.30	1.32	1.16	.00	.00	.00	1.54	1.80	1.39
Motor vehicle dealers	.69	.66	.49	.00	.00	.00	1.04	1.14	.78
Tire,battery,accessory dealers	.23	.29	.32	.00	.00	.00	.19	.27	.21
Gasoline service stations	.30	.29	.26	.00	.00	.00	.25	.30	.31
Miscellaneous vehicle dealers	.06	.07	.08	.00	.00	.00	.05	.07	.06
Apparel and accessory stores	1.04	1.08	.91	.00	.00	.00	.99	1.04	.83
Apparel,accessory,except shoes	.85	.89	.75	.00	.00	.00	.79	.86	.72
Shoe stores	.19	.19	.16	.00	.00	.00	.19	.17	.10
Furniture and appliance stores	.69	.64	.47	.00	.00	.00	.69	.70	.51
Home furnishings	.42	.37	.26	.00	.00	.00	.40	.36	.23
Household appliances,tv,radio	.27	.27	.21	.00	.00	.00	.29	.33	.27
Eating and drinking places	1.55	2.87	3.22	.00	.00	.00	.22	.39	.29
Miscellaneous retail trade	2.15	2.25	2.48	.00	.00	.00	2.05	2.26	2.48
Drug stores	.94	.91	1.05	.00	.00	.00	.46	.41	.37
Liquor stores	.12	.15	.15	.00	.00	.00	.05	.06	.05
Farm,garden supply stores	.14	.16	.16	.00	.00	.00	.19	.25	.28
Jewelry stores	.14	.15	.11	.00	.00	.00	.14	.16	.09
Fuel and ice dealers	.18	.13	.09	.00	.00	.00	.37	.26	.15
Retail florists	.06	.07	.06	.00	.00	.00	.07	.08	.06
Misc retail trade stores	.54	.66	.84	.00	.00	.00	.74	1.00	1.46
Finance,insurance and real estate	11.95	12.50	12.40	100.00	100.00	100.00	3.98	3.45	3.36
Finance,total	7.29	8.10	8.46	100.00	100.00	100.00	1.32	1.28	1.54
Banking	5.20	5.85	6.16	90.69	89.90	90.71	.74	.67	.60
Credit agencies	1.45	1.68	1.80	9.30	10.09	9.29	.25	.32	.63
Stock brokers,investment cos	.63	.56	.49	.00	.00	.00	.32	.29	.30
Insurance	3.87	3.58	3.23	.00	.00	.00	2.44	1.98	1.75
Real estate	.78	.81	.70	.00	.00	.00	.22	.18	.06
Services, total	20.51	24.81	28.60	.00	.00	.00	13.22	17.49	24.91

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other clerical workers			Bank tellers			Billing clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.24	1.50	1.61	.00	.00	.00	.28	.32	.29
Hotels and motels	1.16	1.43	1.50	.00	.00	.00	.21	.26	.22
Other lodging places	.08	.07	.10	.00	.00	.00	.07	.05	.07
Other personal services	1.47	1.29	.93	.00	.00	.00	.76	.71	.52
Laundry and cleaning	1.16	.76	.53	.00	.00	.00	.56	.35	.23
Beauty shops	.07	.14	.11	.00	.00	.00	.01	.01	.00
Barber shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Shoe repair shops	.01	.02	.01	.00	.00	.00	.00	.00	.00
Dressmaking shops	.00	.00	.00	.00	.00	.00	.01	.02	.01
Misc personal services	.20	.34	.27	.00	.00	.00	.17	.32	.27
Miscellaneous business services	2.90	3.84	4.79	.00	.00	.00	2.90	4.13	5.90
Advertising	.18	.14	.07	.00	.00	.00	.50	.42	.24
Business management services	.37	.45	.72	.00	.00	.00	.10	.13	.21
Commercial research,development	.07	.09	.15	.00	.00	.00	.06	.09	.19
Computer programing	.09	.11	.16	.00	.00	.00	.09	.12	.21
Detective and protective serv	.11	.18	.24	.00	.00	.00	.15	.24	.24
Employment, temporary help	.43	.62	.93	.00	.00	.00	.56	.96	1.78
Services to buildings	.06	.07	.10	.00	.00	.00	.04	.07	.19
Other business services	1.57	2.14	2.38	.00	.00	.00	1.37	2.08	2.79
Automobile services	.40	.43	.45	.00	.00	.00	.30	.38	.21
Automobile repair	.11	.11	.07	.00	.00	.00	.09	.15	.12
Automobile services,exc repair	.29	.32	.38	.00	.00	.00	.20	.23	.09
Other repair services	.18	.19	.16	.00	.00	.00	.26	.28	.27
Electrical repair	.09	.06	.07	.00	.00	.00	.14	.12	.17
Other repair,exc electrical	.09	.12	.09	.00	.00	.00	.11	.15	.09
Motion pictures and theaters	.35	.22	.26	.00	.00	.00	.19	.13	.18
Miscellaneous entertainment	.43	.69	.62	.00	.00	.00	.08	.15	.16
Bowling alleys,billiards	.11	.13	.09	.00	.00	.00	.00	.00	.00
Other entertainment	.31	.55	.53	.00	.00	.00	.08	.15	.16
Medical and other health service	5.21	6.39	8.65	.00	.00	.00	6.70	8.98	14.19
Offices of physicians	1.14	1.38	1.54	.00	.00	.00	.77	1.08	1.50
Offices of dentists	.32	.49	.43	.00	.00	.00	.10	.13	.13
Offices of chiropractors	.04	.13	.04	.00	.00	.00	.01	.05	.01
Hospitals	3.21	3.50	5.37	.00	.00	.00	5.30	6.38	10.76
Convalescent institutions	.12	.18	.58	.00	.00	.00	.11	.18	.65
Other health practitioners	.11	.20	.24	.00	.00	.00	.02	.05	.10
Other health services	.23	.48	.42	.00	.00	.00	.36	1.08	1.01
Legal services	.19	.23	.16	.00	.00	.00	.06	.07	.05
Educational services	5.78	7.16	7.79	.00	.00	.00	.76	1.14	1.53
Elementary and secondary school	2.83	4.02	4.61	.00	.00	.00	.18	.47	.68
Colleges and universities	2.23	2.33	2.27	.00	.00	.00	.54	.62	.73
Libraries	.51	.55	.60	.00	.00	.00	.00	.00	.07
Other educational services	.20	.25	.30	.00	.00	.00	.03	.04	.04
Museums,art galleries,zoos	.02	.04	.06	.00	.00	.00	.00	.00	.00
Nonprofit organizations	1.35	1.69	1.90	.00	.00	.00	.39	.46	.75
Religious organizations	.23	.26	.21	.00	.00	.00	.05	.07	.11
Welfare services	.57	.86	1.10	.00	.00	.00	.15	.17	.35
Residential welfare services	.01	.02	.05	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.53	.54	.52	.00	.00	.00	.18	.21	.27
Private households	.01	.02	.01	.00	.00	.00	.00	.00	.00
Other professional services	.92	1.06	1.17	.00	.00	.00	.48	.69	.81
Engineering and architectural	.17	.23	.20	.00	.00	.00	.15	.25	.31
Accounting and auditing	.60	.67	.77	.00	.00	.00	.26	.38	.43
Miscellaneous professional serv	.14	.16	.19	.00	.00	.00	.05	.06	.07
Government, total	12.95	10.86	8.95	.00	.00	.00	1.89	1.88	1.84
Federal public administration	10.06	7.56	5.24	.00	.00	.00	.48	.26	.05
Postal services	6.48	4.64	3.44	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	3.58	2.91	1.80	.00	.00	.00	.48	.26	.05
State public administration	1.13	1.32	1.49	.00	.00	.00	.23	.30	.37
Local public administration	1.74	1.98	2.21	.00	.00	.00	1.17	1.32	1.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookkeepers			Cashiers			Clerical assistants, soc welfare		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.74	.96	.82	.04	.05	.03	.00	.00	.00
Agriculture	.70	.90	.74	.03	.04	.02	.00	.00	.00
Agricultural production	.32	.49	.35	.01	.03	.01	.00	.00	.00
Services,except horticulture	.27	.29	.24	.00	.00	.00	.00	.00	.00
Horticultural services	.10	.12	.15	.01	.00	.00	.00	.00	.00
Forestry	.03	.04	.04	.00	.00	.00	.00	.00	.00
Fisheries	.01	.01	.03	.00	.00	.00	.00	.00	.00
Mining	.61	.74	.66	.02	.03	.04	.00	.00	.00
Metal	.03	.03	.02	.00	.00	.00	.00	.00	.00
Coal	.05	.07	.09	.00	.00	.01	.00	.00	.00
Crude petroleum and natural gas	.38	.51	.45	.01	.02	.02	.00	.00	.00
Nonmetallic mining and quarrying	.13	.12	.09	.00	.00	.00	.00	.00	.00
Construction	4.10	4.27	3.63	.75	.59	.81	.00	.00	.00
General building contractors	.85	.84	.76	.01	.01	.01	.00	.00	.00
General contractors,exc building	.96	.87	.70	.70	.54	.76	.00	.00	.00
Special trade contractors	2.28	2.55	2.16	.03	.03	.04	.00	.00	.00
Manufacturing	16.82	14.62	14.58	1.19	.89	.73	.00	.00	.00
Durable goods	8.51	7.67	7.75	.44	.35	.30	.00	.00	.00
Ordnance	.16	.07	.07	.01	.00	.00	.00	.00	.00
Lumber and wood products	.45	.43	.44	.00	.00	.00	.00	.00	.00
Logging	.04	.04	.03	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.30	.28	.28	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.11	.10	.11	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.39	.38	.47	.01	.01	.02	.00	.00	.00
Stone,clay,and glass products	.61	.55	.51	.02	.02	.01	.00	.00	.00
Glass and glass products	.11	.10	.11	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.33	.30	.26	.00	.00	.00	.00	.00	.00
Structural clay products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Pottery and related products	.02	.01	.02	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.11	.10	.10	.00	.00	.00	.00	.00	.00
Primary metal industries	.71	.58	.55	.04	.02	.01	.00	.00	.00
Blast furnaces,steel works	.27	.20	.21	.01	.01	.00	.00	.00	.00
Other primary steel	.19	.17	.16	.01	.00	.00	.00	.00	.00
Primary aluminum	.08	.08	.06	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.15	.12	.11	.00	.00	.00	.00	.00	.00
Fabricated metal products	1.23	1.13	1.14	.02	.02	.02	.00	.00	.00
Cutlery and other hardware	.13	.13	.12	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.43	.42	.49	.00	.00	.00	.00	.00	.00
Screw machine products	.09	.08	.06	.00	.00	.00	.00	.00	.00
Metal stamping	.15	.13	.11	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.41	.37	.33	.01	.01	.01	.00	.00	.00
Machinery except electrical	1.64	1.55	1.57	.07	.06	.06	.00	.00	.00
Engines and turbines	.04	.04	.04	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.11	.11	.12	.00	.00	.00	.00	.00	.00
Construction machines	.23	.23	.23	.01	.01	.00	.00	.00	.00
Metalworking machinery	.28	.25	.26	.00	.00	.00	.00	.00	.00
Office and accounting machines	.08	.05	.05	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.11	.12	.14	.01	.01	.01	.00	.00	.00
Other machinery,exc electrical	.78	.72	.70	.02	.02	.03	.00	.00	.00
Electrical machinery	1.31	1.11	1.00	.10	.07	.06	.00	.00	.00
Household appliances	.12	.09	.08	.01	.00	.00	.00	.00	.00
Radio, tv communications equip	.41	.30	.25	.04	.03	.02	.00	.00	.00
Other electrical machinery	.77	.70	.66	.04	.03	.03	.00	.00	.00
Transportation equipment	.98	.89	.94	.09	.07	.05	.00	.00	.00
Motor vehicles and equipment	.39	.40	.42	.05	.04	.03	.00	.00	.00
Aircraft and parts	.33	.23	.15	.03	.02	.01	.00	.00	.00
Ship,boat building and repair	.15	.14	.15	.00	.00	.00	.00	.00	.00
Railroad equipment	.02	.02	.01	.00	.00	.00	.00	.00	.00
Mobile dwellings	.05	.06	.13	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.02	.03	.03	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.41	.42	.44	.02	.02	.01	.00	.00	.00
Scientific instruments	.14	.12	.09	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.15	.18	.19	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.08	.08	.13	.00	.00	.00	.00	.00	.00
Watches and clock devices	.02	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.56	.51	.58	.01	.01	.02	.00	.00	.00
Nondurable goods	8.30	6.95	6.83	.74	.53	.42	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookkeepers			Cashiers			Clerical assistants, soc welfare		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.25	1.78	1.73	.35	.22	.13	.00	.00	.00
Meat	.31	.26	.22	.04	.03	.02	.00	.00	.00
Dairy	.50	.32	.23	.07	.03	.01	.00	.00	.00
Canning and preserving	.24	.21	.25	.02	.01	.02	.00	.00	.00
Grain mill	.25	.20	.16	.00	.00	.00	.00	.00	.00
Bakery	.25	.20	.22	.10	.05	.02	.00	.00	.00
Confectionery	.08	.06	.07	.01	.00	.00	.00	.00	.00
Beverages	.36	.30	.32	.05	.04	.03	.00	.00	.00
Miscellaneous food preparation	.24	.21	.24	.02	.01	.00	.00	.00	.00
Tobacco manufacturing	.06	.04	.04	.00	.00	.00	.00	.00	.00
Textile mill products	.51	.40	.47	.03	.02	.02	.00	.00	.00
Knitting mills	.14	.11	.13	.01	.00	.01	.00	.00	.00
Dyeing,finishing textiles	.05	.03	.02	.00	.00	.00	.00	.00	.00
Floor coverings	.04	.04	.08	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.22	.16	.18	.01	.01	.01	.00	.00	.00
Miscellaneous textile mill	.05	.03	.03	.00	.00	.00	.00	.00	.00
Apparel and textile products	1.23	1.06	1.07	.05	.04	.04	.00	.00	.00
Apparel and accessories	1.04	.88	.90	.05	.04	.04	.00	.00	.00
Miscellaneous fabricated textile	.18	.18	.17	.00	.00	.00	.00	.00	.00
Paper and allied products	.53	.44	.46	.02	.02	.02	.00	.00	.00
Pulp,paper paperboard mills	.17	.13	.10	.01	.01	.01	.00	.00	.00
Paperboard containers,boxes	.20	.15	.17	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.16	.15	.19	.00	.00	.00	.00	.00	.00
Printing and publishing	1.79	1.52	1.50	.14	.11	.09	.00	.00	.00
Newspaper publishing, printing	.59	.51	.45	.07	.06	.05	.00	.00	.00
Other printing,exc newspapers	1.19	1.01	1.04	.06	.05	.04	.00	.00	.00
Chemicals and allied products	.98	.82	.85	.07	.06	.06	.00	.00	.00
Industrial chemicals	.22	.18	.16	.01	.01	.02	.00	.00	.00
Plastics and synthetics	.08	.06	.05	.00	.00	.00	.00	.00	.00
Synthetic fibers	.03	.03	.04	.01	.01	.00	.00	.00	.00
Drugs and medicines	.14	.15	.20	.01	.01	.01	.00	.00	.00
Soaps and cosmetics	.16	.14	.14	.01	.01	.01	.00	.00	.00
Paints and varnishes	.13	.11	.11	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.10	.08	.06	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.09	.06	.06	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.25	.22	.16	.01	.01	.00	.00	.00	.00
Petroleum refining	.20	.17	.11	.01	.01	.00	.00	.00	.00
Misc petroleum,coal products	.05	.04	.05	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.44	.46	.39	.02	.01	.01	.00	.00	.00
Rubber	.18	.15	.14	.01	.00	.00	.00	.00	.00
Miscellaneous plastics	.25	.30	.25	.00	.00	.01	.00	.00	.00
Leather products	.22	.15	.12	.01	.01	.00	.00	.00	.00
Leather tanning and finishing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.12	.08	.05	.01	.00	.00	.00	.00	.00
All other leather	.08	.06	.06	.00	.00	.00	.00	.00	.00
Transportation, other public util	5.31	5.03	5.12	2.30	1.93	1.52	.00	.00	.00
Transportation,total	2.64	2.48	2.30	1.03	.92	.81	.00	.00	.00
Railroads and railway express	.40	.26	.17	.13	.06	.01	.00	.00	.00
Local and interurban transit	.17	.14	.22	.20	.15	.16	.00	.00	.00
Street railways and bus lines	.13	.09	.14	.19	.13	.15	.00	.00	.00
Taxicab service	.03	.04	.07	.01	.01	.01	.00	.00	.00
Trucking and warehousing	1.30	1.28	1.04	.28	.26	.15	.00	.00	.00
Trucking services	1.08	1.10	.88	.27	.25	.14	.00	.00	.00
Warehousing and storage	.22	.18	.16	.01	.00	.00	.00	.00	.00
Water transportation	.22	.20	.15	.04	.03	.02	.00	.00	.00
Air transportation	.23	.21	.21	.06	.05	.05	.00	.00	.00
Pipelines	.01	.01	.01	.00	.00	.00	.00	.00	.00
Transportation services	.28	.35	.47	.29	.35	.41	.00	.00	.00
Communicatns,utils,sanitary serv	2.67	2.54	2.82	1.26	1.00	.71	.00	.00	.00
Communications	1.18	1.20	1.69	.46	.35	.21	.00	.00	.00
Telephone(wire and radio)	.84	.83	1.21	.42	.32	.19	.00	.00	.00
Telegraph,misc communicatn serv	.10	.12	.15	.02	.02	.00	.00	.00	.00
Radio and tv broadcasting	.22	.23	.32	.00	.00	.01	.00	.00	.00
Utilities and sanitary services	1.49	1.34	1.13	.79	.65	.49	.00	.00	.00
Electric light and power	.48	.48	.34	.32	.30	.23	.00	.00	.00
Electric-gas utilities	.32	.26	.21	.14	.11	.09	.00	.00	.00
Gas steam supply systems	.36	.27	.19	.21	.15	.11	.00	.00	.00
Water supply	.21	.20	.20	.10	.07	.03	.00	.00	.00
Sanitary services	.10	.10	.16	.01	.01	.02	.00	.00	.00
Other utilities	.01	.00	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	36.09	36.16	34.71	80.25	81.17	82.23	.00	.00	.00
Wholesale trade	12.29	11.89	10.78	1.17	1.04	.86	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookkeepers			Cashiers			Clerical assistants, soc welfare		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	8.03	8.01	7.28	.83	.74	.61	.00	.00	.00
Motor vehicles and equipment	1.21	1.21	1.25	.06	.06	.06	.00	.00	.00
Drugs,chemicals,allied product	.56	.49	.40	.08	.07	.06	.00	.00	.00
Dry goods and apparel	.59	.51	.52	.04	.03	.02	.00	.00	.00
Food and related products	1.51	1.36	1.11	.38	.33	.29	.00	.00	.00
Farm products-raw materials	.57	.70	.34	.03	.03	.01	.00	.00	.00
Electrical goods	.93	.87	.88	.06	.05	.05	.00	.00	.00
Hardware and plumbing	.63	.61	.54	.05	.04	.03	.00	.00	.00
Machinery equipment,supplies	2.00	2.23	2.21	.09	.09	.05	.00	.00	.00
Miscellaneous wholesale trade	4.26	3.87	3.50	.34	.29	.24	.00	.00	.00
Metals and minerals, other	.27	.23	.23	.01	.00	.00	.00	.00	.00
Petroleum products	.98	.93	.91	.06	.05	.03	.00	.00	.00
Scrap and waste material	.16	.16	.10	.02	.02	.01	.00	.00	.00
Alcoholic beverages	.36	.38	.30	.05	.05	.04	.00	.00	.00
Paper and paper products	.40	.32	.34	.02	.02	.02	.00	.00	.00
Lumber,construction materials	.50	.44	.45	.01	.01	.01	.00	.00	.00
Other wholesale trade	1.56	1.39	1.15	.14	.12	.11	.00	.00	.00
Retail trade	23.80	24.26	23.92	79.07	80.12	81.37	.00	.00	.00
Building materials	2.83	2.69	2.40	.70	.65	.73	.00	.00	.00
Lumber,building material	1.69	1.72	1.34	.24	.26	.23	.00	.00	.00
Hardware and farm equipment	1.13	.96	1.06	.45	.39	.49	.00	.00	.00
General merchandise,total	4.13	3.95	4.31	16.08	14.59	18.08	.00	.00	.00
Department stores,mail order	2.61	2.68	2.86	9.38	9.41	12.11	.00	.00	.00
Limited price stores	.57	.47	.52	3.95	3.14	3.67	.00	.00	.00
Vending machine operators	.14	.13	.20	.16	.14	.19	.00	.00	.00
Direct selling	.13	.13	.10	.05	.04	.03	.00	.00	.00
Miscellaneous merchandise store	.65	.53	.61	2.52	1.84	2.06	.00	.00	.00
Food and dairy stores	2.29	2.23	2.45	39.80	36.00	34.07	.00	.00	.00
Grocery stores	2.00	1.92	2.13	39.08	35.26	33.55	.00	.00	.00
Dairy products	.06	.07	.06	.12	.13	.08	.00	.00	.00
Retail bakeries	.08	.08	.09	.22	.22	.15	.00	.00	.00
Food stores,cther	.13	.15	.16	.37	.38	.28	.00	.00	.00
Auto dealers,gas stations	4.66	4.63	4.40	.91	.90	.90	.00	.00	.00
Motor vehicle dealers	2.32	2.21	1.84	.47	.42	.32	.00	.00	.00
Tire,battery,accessory dealsrs	.80	.96	1.15	.12	.15	.19	.00	.00	.00
Gasoline service stations	1.28	1.15	1.05	.29	.30	.36	.00	.00	.00
Miscellaneous vehicle dealers	.25	.29	.35	.01	.01	.02	.00	.00	.00
Apparel and accessory stores	1.77	1.81	1.57	3.10	2.92	2.28	.00	.00	.00
Apparel,accessory,except shoes	1.45	1.50	1.30	2.23	2.17	1.75	.00	.00	.00
Shoe stores	.32	.31	.26	.86	.74	.53	.00	.00	.00
Furniture and appliance stores	2.22	2.04	1.64	.41	.37	.28	.00	.00	.00
Home furnishings	1.29	1.13	.86	.26	.22	.15	.00	.00	.00
Household appliances,tv,radio	.92	.91	.78	.15	.15	.12	.00	.00	.00
Eating and drinking places	1.47	2.37	2.45	10.81	17.81	17.67	.00	.00	.00
Miscellaneous retail trade	4.41	4.50	4.67	7.24	6.85	7.32	.00	.00	.00
Drug stores	1.10	1.01	1.23	5.44	4.80	5.02	.00	.00	.00
Liquor stores	.23	.26	.27	.56	.65	.67	.00	.00	.00
Farm,garden supply stores	.55	.64	.64	.12	.14	.13	.00	.00	.00
Jewelry stores	.44	.48	.39	.14	.14	.11	.00	.00	.00
Fuel and ice dealers	.70	.54	.45	.02	.01	.00	.00	.00	.00
Retail florists	.27	.31	.28	.03	.04	.06	.00	.00	.00
Misc retail trade stores	1.09	1.24	1.38	.91	1.05	1.31	.00	.00	.00
Finance,insurance and real estate	12.56	11.42	10.73	2.75	2.23	1.57	.00	.00	.00
Finance,total	7.94	7.43	7.22	1.87	1.61	1.22	.00	.00	.00
Banking	5.07	4.59	4.45	.00	.00	.00	.00	.00	.00
Credit agencies	2.02	2.04	1.95	1.36	1.21	.92	.00	.00	.00
Stock brokers,investment cos	.84	.79	.81	.50	.40	.30	.00	.00	.00
Insurance	3.12	2.43	1.79	.71	.45	.20	.00	.00	.00
Real estate	1.49	1.55	1.72	.15	.16	.14	.00	.00	.00
Services, total	19.11	22.05	26.38	11.54	12.00	12.17	100.00	100.00	100.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookkeepers			Cashiers			Clerical assistants, soc welfare		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.13	1.34	1.83	1.61	1.92	2.12	.00	.00	.00
Hotels and motels	.90	1.15	1.49	1.57	1.89	2.08	.00	.00	.00
Other lodging places	.24	.18	.34	.03	.03	.04	.00	.00	.00
Other personal services	1.19	1.14	.88	.12	.23	.12	.00	.00	.00
Laundering and cleaning	.86	.56	.40	.00	.00	.00	.00	.00	.00
Beauty shops	.04	.10	.07	.02	.04	.01	.00	.00	.00
Barber shops	.00	.02	.00	.00	.02	.00	.00	.00	.00
Shoe repair shops	.01	.02	.00	.05	.09	.03	.00	.00	.00
Misc personal services	.25	.42	.39	.03	.06	.05	.00	.00	.00
Miscellaneous business services	2.65	3.31	3.87	.27	.35	.38	.00	.00	.00
Advertising	.28	.22	.14	.00	.00	.00	.00	.00	.00
Business management services	.34	.39	.51	.01	.01	.02	.00	.00	.00
Commercial research,development	.08	.10	.14	.00	.00	.00	.00	.00	.00
Computer programing	.08	.09	.11	.00	.00	.00	.00	.00	.00
Detective and protective serv	.09	.15	.23	.03	.05	.04	.00	.00	.00
Employment,temporary help	.59	.84	1.06	.03	.05	.07	.00	.00	.00
Services to buildings	.22	.22	.17	.00	.00	.01	.00	.00	.00
Other business services	.95	1.28	1.47	.16	.20	.23	.00	.00	.00
Automobile services	.81	.81	.74	.64	.60	.70	.00	.00	.00
Automobile repair	.48	.47	.32	.01	.01	.00	.00	.00	.00
Automobile services,exc repair	.33	.33	.42	.62	.58	.69	.00	.00	.00
Other repair services	.47	.45	.32	.03	.04	.03	.00	.00	.00
Electrical repair	.24	.17	.10	.01	.01	.00	.00	.00	.00
Other repair,exc electrical	.23	.28	.22	.02	.03	.02	.00	.00	.00
Motion pictures and theaters	.27	.16	.19	2.15	1.18	1.13	.00	.00	.00
Miscellaneous entertainment	.53	.86	.84	1.70	2.49	1.96	.00	.00	.00
Bowling alleys,billards	.12	.14	.08	.33	.34	.17	.00	.00	.00
Other entertainment	.41	.72	.75	1.37	2.14	1.78	.00	.00	.00
Medical and other health service	4.15	5.37	8.11	1.43	1.54	2.42	4.13	4.13	1.65
Offices of physicians	1.27	1.54	1.96	.02	.03	.04	.00	.00	.00
Offices of dentists	.45	.54	.47	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.01	.05	.02	.00	.00	.00	.00	.00	.00
Hospitals	1.73	1.93	3.00	1.38	1.46	2.30	2.40	.73	.00
Convalescent institutions	.33	.48	1.61	.01	.01	.03	.40	.15	.00
Other health practitioners	.07	.12	.15	.00	.00	.00	.00	.00	.00
Other health services	.28	.69	.86	.01	.03	.03	1.33	3.23	1.65
Legal services	.33	.43	.32	.00	.00	.01	.00	.00	.00
Educational services	2.19	2.33	2.08	3.07	3.15	2.74	.00	.00	.00
Elementary and secondary school	1.08	1.18	.87	1.81	2.00	1.64	.00	.00	.00
Colleges and universities	.88	.89	.92	1.21	1.09	1.04	.00	.00	.00
Libraries	.01	.01	.03	.00	.00	.01	.00	.00	.00
Other educational services	.21	.24	.24	.04	.05	.04	.00	.00	.00
Museums,art galleries,zoos	.02	.03	.05	.04	.06	.09	.00	.00	.00
Nonprofit organizations	2.08	2.13	2.30	.38	.36	.39	95.86	95.86	98.34
Religious organizations	.48	.54	.41	.02	.02	.01	.00	.00	.00
Welfare services	.65	.61	.86	.13	.10	.13	95.86	95.86	98.34
Residential welfare services	.03	.04	.08	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.91	.94	.94	.23	.23	.24	.00	.00	.00
Private households	.03	.05	.02	.00	.00	.00	.00	.00	.00
Other professional services	3.18	3.57	4.77	.03	.03	.04	.00	.00	.00
Engineering and architectural	.32	.43	.41	.00	.00	.00	.00	.00	.00
Accounting and auditing	2.67	2.95	4.15	.00	.01	.01	.00	.00	.00
Miscellaneous professional serv	.17	.18	.19	.01	.01	.02	.00	.00	.00
Government,total	4.62	4.72	3.32	1.14	1.08	.86	.00	.00	.00
Federal public administration	2.03	1.75	.24	.37	.28	.26	.00	.00	.00
Postal services	.16	.22	.12	.01	.01	.02	.00	.00	.00
Federal pub adm,exc post office	1.86	1.53	.12	.36	.27	.24	.00	.00	.00
State public administration	.80	.95	1.70	.28	.32	.12	.00	.00	.00
Local public administration	1.78	2.01	1.37	.47	.47	.47	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical supervisrs, other			Collectors, bill and account			Counter clerks except food		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>Agriculture,forestry,fisheries</b>	<b>.16</b>	<b>.18</b>	<b>.09</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.05</b>	<b>.14</b>	<b>.14</b>
Agriculture	.08	.06	.02	.00	.00	.00	.05	.14	.13
Agricultural production	.03	.01	.00	.00	.00	.00	.03	.13	.12
Services,except horticulture	.04	.03	.01	.00	.00	.00	.00	.00	.00
Horticultural services	.00	.01	.00	.00	.00	.00	.00	.00	.00
Forestry	.07	.11	.07	.00	.00	.00	.00	.00	.00
<b>Mining</b>	<b>.38</b>	<b>.52</b>	<b>.43</b>	<b>.14</b>	<b>.13</b>	<b>.02</b>	<b>.09</b>	<b>.11</b>	<b>.09</b>
Metal	.03	.03	.02	.01	.01	.01	.01	.01	.01
Coal	.02	.03	.04	.00	.00	.00	.01	.01	.02
Crude petroleum and natural gas	.30	.43	.33	.09	.09	.00	.04	.05	.03
Nonmetallic mining and quarrying	.02	.02	.02	.03	.02	.00	.02	.02	.01
<b>Construction</b>	<b>1.14</b>	<b>1.15</b>	<b>1.27</b>	<b>.38</b>	<b>.37</b>	<b>.45</b>	<b>.23</b>	<b>.28</b>	<b>.39</b>
General building contractors	.18	.21	.26	.08	.05	.00	.04	.05	.07
General contractors,exc building	.73	.66	.67	.10	.06	.00	.06	.06	.07
Special trade contractors	.22	.27	.33	.19	.25	.45	.12	.16	.24
<b>Manufacturing</b>	<b>13.60</b>	<b>11.73</b>	<b>10.52</b>	<b>3.82</b>	<b>2.78</b>	<b>1.69</b>	<b>15.44</b>	<b>13.89</b>	<b>13.24</b>
<b>Durable goods</b>	<b>7.89</b>	<b>6.99</b>	<b>6.75</b>	<b>1.33</b>	<b>1.04</b>	<b>.81</b>	<b>7.06</b>	<b>6.76</b>	<b>7.11</b>
Ordnance	.40	.19	.19	.03	.01	.00	.00	.00	.00
Lumber and wood products	.09	.08	.07	.02	.01	.00	.14	.14	.14
Logging	.00	.00	.00	.00	.00	.00	.01	.01	.01
Sawmill,planing and mill work	.06	.05	.04	.02	.01	.00	.09	.08	.08
Miscellaneous wood products	.03	.03	.03	.00	.00	.00	.04	.04	.04
Furniture and fixtures	.16	.15	.14	.04	.05	.10	.28	.27	.27
Stone,clay,and glass products	.38	.34	.24	.16	.14	.11	.30	.27	.19
Glass and glass products	.10	.09	.07	.02	.02	.02	.08	.07	.05
Cement,concrete,plaster	.15	.13	.09	.10	.08	.06	.07	.06	.04
Structural clay products	.02	.01	.00	.01	.01	.00	.01	.01	.00
Pottery and related products	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous nonmetallic,stone	.08	.08	.06	.02	.02	.01	.10	.09	.07
Primary metal industries	.91	.74	.64	.01	.01	.01	.67	.55	.50
Blast furnaces,steel works	.54	.39	.29	.00	.00	.00	.37	.28	.23
Other primary steel	.11	.09	.09	.00	.00	.00	.15	.13	.12
Primary aluminum	.09	.09	.09	.01	.01	.01	.05	.06	.05
Other primary nonferrous	.16	.14	.16	.00	.00	.00	.08	.07	.08
Fabricated metal products	.80	.78	.74	.07	.05	.01	.80	.81	.89
Cutlery and other hardware	.08	.09	.10	.05	.03	.01	.15	.15	.16
Fabricated structural metal	.31	.30	.28	.00	.00	.00	.17	.17	.18
Screw machine products	.07	.07	.07	.00	.00	.00	.08	.08	.08
Metal stamping	.05	.05	.04	.00	.00	.00	.09	.09	.11
Miscellaneous fabricated metal	.26	.25	.24	.02	.01	.00	.29	.30	.34
Machinery except electrical	1.36	1.43	1.71	.33	.25	.17	1.49	1.59	2.06
Engines and turbines	.07	.08	.08	.01	.01	.00	.08	.09	.10
Farm machinery and equipment	.12	.11	.09	.07	.04	.00	.07	.07	.05
Construction machines	.32	.36	.42	.01	.01	.00	.30	.35	.46
Metalworking machinery	.17	.17	.21	.03	.03	.04	.19	.20	.26
Office and accounting machines	.07	.05	.04	.04	.01	.00	.11	.07	.04
Electronic computing equipment	.16	.20	.33	.03	.03	.00	.12	.15	.27
Other machinery,exc electrical	.42	.44	.53	.11	.10	.11	.60	.64	.84
Electrical machinery	1.48	1.34	1.43	.32	.24	.17	1.71	1.53	1.48
Household appliances	.10	.08	.08	.02	.01	.00	.17	.14	.13
Radio, tv communications equip	.71	.58	.58	.10	.08	.10	.76	.62	.52
Other electrical machinery	.66	.67	.77	.20	.14	.07	.78	.76	.82
Transportation equipment	1.49	1.13	.80	.18	.14	.10	.75	.66	.53
Motor vehicles and equipment	.54	.56	.50	.06	.04	.00	.36	.36	.30
Aircraft and parts	.57	.30	.04	.10	.08	.10	.24	.15	.05
Ship,boat building and repair	.30	.19	.17	.01	.01	.00	.08	.06	.07
Railroad equipment	.04	.04	.03	.00	.00	.00	.03	.03	.04
Mobile dwellings	.00	.00	.00	.00	.00	.00	.01	.01	.04
Cycles,misc transportation	.01	.02	.04	.00	.00	.00	.01	.02	.02
Professional,scientific instrs	.52	.54	.57	.04	.05	.06	.49	.57	.71
Scientific instruments	.14	.13	.12	.00	.00	.00	.17	.17	.18
Optical,health serv supplies	.12	.16	.20	.03	.04	.05	.20	.28	.39
Photo equipment and supplies	.21	.21	.22	.00	.00	.00	.11	.10	.11
Watches and clock devices	.03	.02	.02	.00	.00	.00	.01	.01	.00
Miscellaneous manufacturing	.26	.22	.18	.07	.05	.04	.40	.35	.30
<b>Nondurable goods</b>	<b>5.70</b>	<b>4.73</b>	<b>3.76</b>	<b>2.49</b>	<b>1.74</b>	<b>.88</b>	<b>8.38</b>	<b>7.13</b>	<b>6.13</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical supervisors, other			Collectors, bill and account			Counter clerks except food		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.97	.77	.60	.16	.11	.09	1.07	.81	.57
Meat	.05	.05	.05	.06	.04	.03	.11	.10	.10
Dairy	.12	.08	.05	.03	.02	.01	.22	.13	.07
Canning and preserving	.18	.14	.11	.00	.00	.00	.06	.05	.05
Grain mill	.08	.07	.06	.01	.01	.01	.08	.07	.05
Bakery	.18	.13	.10	.01	.00	.00	.29	.20	.11
Confectionery	.04	.03	.02	.00	.00	.00	.05	.04	.03
Beverages	.18	.14	.12	.01	.01	.00	.13	.10	.09
Miscellaneous food preparation	.11	.08	.05	.02	.01	.02	.10	.08	.05
Tobacco manufacturing	.11	.07	.04	.00	.00	.00	.03	.02	.01
Textile mill products	.39	.31	.31	.03	.01	.00	.67	.55	.60
Knitting mills	.06	.05	.07	.00	.00	.00	.27	.23	.27
Dyeing,finishing textiles	.03	.03	.02	.00	.00	.00	.03	.02	.01
Floor coverings	.04	.04	.05	.00	.00	.00	.11	.10	.13
Yarn and fabric mills	.20	.15	.12	.03	.01	.00	.21	.16	.14
Miscellaneous textile mill	.04	.03	.03	.00	.00	.00	.04	.03	.04
Apparel and textile products	.51	.44	.34	.12	.07	.02	.80	.69	.60
Apparel and accessories	.45	.38	.28	.08	.04	.00	.66	.55	.46
Miscellaneous fabricated textile	.06	.06	.06	.03	.03	.02	.13	.14	.13
Paper and allied products	.56	.43	.33	.02	.01	.00	.61	.48	.39
Pulp,paper paperboard mills	.23	.17	.12	.00	.00	.00	.19	.14	.10
Paperboard containers,boxes	.19	.13	.10	.00	.00	.00	.21	.15	.12
Miscellaneous paper and pulp	.13	.12	.10	.02	.01	.00	.21	.19	.16
Printing and publishing	1.13	.92	.57	1.66	1.16	.57	3.50	3.07	2.57
Newspaper publishing, printing	.26	.22	.15	1.30	.95	.52	2.43	2.19	2.00
Other printing,exc newspapers	.86	.70	.41	.35	.21	.05	1.06	.87	.57
Chemicals and allied products	1.19	1.06	1.12	.20	.16	.19	.92	.83	.89
Industrial chemicals	.35	.30	.32	.06	.06	.11	.22	.20	.25
Plastics and synthetics	.05	.04	.04	.00	.00	.00	.04	.03	.04
Synthetic fibers	.06	.06	.08	.00	.00	.00	.01	.01	.02
Drugs and medicines	.17	.18	.17	.02	.02	.02	.13	.14	.12
Soaps and cosmetics	.26	.24	.28	.03	.03	.05	.24	.22	.24
Paints and varnishes	.07	.06	.07	.03	.01	.00	.14	.11	.07
Agricultural chemicals	.08	.07	.05	.01	.00	.00	.02	.03	.04
Miscellaneous chemicals	.11	.07	.08	.02	.01	.00	.07	.05	.07
Petroleum and coal products	.37	.33	.19	.22	.13	.00	.14	.13	.08
Petroleum refining	.34	.29	.14	.19	.11	.00	.08	.06	.02
Misc petroleum,coal products	.03	.03	.04	.03	.02	.00	.06	.06	.05
Rubber,miscellaneous plastics	.28	.26	.17	.03	.02	.00	.34	.33	.27
Rubber	.17	.12	.04	.01	.01	.00	.22	.18	.17
Miscellaneous plastics	.11	.14	.13	.01	.01	.00	.12	.15	.10
Leather products	.14	.09	.06	.02	.01	.00	.26	.18	.11
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.10	.06	.03	.01	.00	.00	.17	.11	.06
All other leather	.03	.02	.02	.01	.00	.00	.08	.06	.04
Transportation, other public util	12.08	11.06	9.87	10.00	7.86	5.84	3.83	3.60	3.39
Transportation,total	3.23	2.72	2.40	.90	.63	.70	.73	.68	.61
Railroads and railway express	1.05	.61	.34	.10	.05	.00	.15	.09	.03
Local and interurban transit	.27	.19	.53	.15	.09	.31	.05	.05	.07
Street railways and bus lines	.26	.18	.52	.15	.09	.31	.03	.02	.04
Taxicab service	.00	.01	.01	.00	.00	.00	.02	.02	.02
Trucking and warehousing	.63	.63	.41	.50	.35	.29	.31	.30	.23
Trucking services	.54	.55	.35	.50	.35	.29	.16	.17	.13
Warehousing and storage	.08	.07	.06	.00	.00	.00	.14	.12	.09
Water transportation	.35	.31	.14	.02	.01	.00	.03	.02	.01
Air transportation	.61	.58	.55	.09	.09	.09	.10	.10	.10
Pipelines	.08	.07	.03	.00	.00	.00	.01	.01	.00
Transportation services	.23	.31	.37	.02	.02	.00	.06	.09	.14
Communicatns,utils,sanitary serv	8.85	8.34	7.46	9.09	7.22	5.14	3.09	2.91	2.77
Communications	6.29	5.91	5.35	2.33	1.65	.65	2.72	2.55	2.42
Telephone(wire and radio)	6.02	5.62	5.11	2.29	1.61	.65	2.64	2.46	2.34
Telegraph,misc communicatn serv	.17	.19	.14	.02	.01	.00	.04	.05	.04
Radio and tv broadcasting	.10	.10	.09	.02	.02	.00	.03	.03	.02
Utilities and sanitary services	2.55	2.42	2.11	6.75	5.57	4.48	.37	.35	.35
Electric light and power	.69	.78	.65	1.96	1.88	1.64	.12	.13	.13
Electric-gas utilities	.83	.72	.66	1.67	1.35	1.30	.11	.09	.08
Gas steam supply systems	.62	.51	.39	2.05	1.48	.98	.09	.08	.07
Water supply	.27	.27	.28	.80	.65	.46	.03	.03	.03
Sanitary services	.11	.12	.11	.24	.17	.06	.00	.01	.02
Other utilities	.00	.00	.01	.02	.02	.01	.00	.00	.00
Wholesale and retail trade	11.32	12.22	13.23	19.88	19.05	21.14	25.39	27.74	30.77
Wholesale trade	4.85	4.96	4.35	2.45	2.11	1.54	11.85	11.82	10.73

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical supervisors, other			Collectors, bill and account			Counter clerks except food		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	3.17	3.31	2.82	1.38	1.25	.83	8.46	8.59	7.55
Motor vehicles and equipment	.43	.46	.43	.14	.12	.09	1.22	1.28	1.18
Drugs,chemicals,allied product	.39	.35	.27	.04	.02	.00	1.48	1.39	1.15
Dry goods and apparel	.26	.22	.19	.06	.05	.03	.59	.51	.46
Food and related products	.31	.30	.24	.11	.11	.12	1.25	1.19	.92
Farm products-raw materials	.06	.07	.02	.00	.00	.00	.04	.05	.01
Electrical goods	.41	.38	.28	.23	.19	.16	1.12	1.09	1.06
Hardware and plumbing	.19	.19	.15	.04	.03	.02	.83	.85	.74
Machinery equipment,supplies	1.10	1.30	1.21	.74	.71	.39	1.89	2.20	2.00
Miscellaneous wholesale trade	1.68	1.65	1.53	1.07	.85	.70	3.38	3.23	3.18
Metals and minerals, other	.16	.15	.17	.07	.07	.11	.36	.33	.35
Petroleum products	.47	.43	.26	.50	.31	.06	.16	.15	.10
Scrap and waste material	.05	.07	.07	.01	.01	.01	.02	.02	.02
Alcoholic beverages	.09	.11	.10	.02	.01	.01	.26	.30	.25
Paper and paper products	.18	.15	.16	.02	.01	.01	.69	.58	.66
Lumber,construction materials	.14	.13	.14	.06	.06	.12	.27	.27	.33
Other wholesale trade	.57	.58	.60	.37	.35	.36	1.60	1.55	1.44
Retail trade	6.46	7.26	8.88	17.43	16.93	19.60	13.54	15.92	20.04
Building materials	.16	.16	.11	.52	.40	.18	.42	.42	.27
Lumber,building material	.10	.11	.07	.27	.22	.06	.29	.30	.17
Hardware and farm equipment	.05	.04	.04	.25	.17	.11	.12	.11	.10
General merchandise,total	4.04	4.41	6.01	10.11	10.13	14.05	7.58	8.53	12.51
Department stores,mail order	3.07	3.63	5.15	8.22	8.71	12.42	6.38	7.45	10.97
Limited price stores	.49	.38	.28	.66	.40	.15	.49	.38	.27
Vending machine operators	.02	.02	.04	.29	.26	.44	.03	.03	.06
Direct selling	.08	.08	.07	.49	.37	.39	.07	.07	.05
Miscellaneous merchadise store	.37	.28	.45	.43	.37	.64	.59	.58	1.15
Food and dairy stores	.51	.55	.60	.34	.43	.79	1.93	2.26	2.97
Grocery stores	.48	.52	.55	.25	.32	.64	1.71	1.98	2.72
Dairy products	.00	.00	.00	.01	.01	.00	.04	.06	.06
Retail bakeries	.00	.00	.00	.00	.00	.00	.09	.12	.09
Food stores,cther	.01	.02	.04	.06	.09	.14	.07	.09	.10
Auto dealers,gas stations	.36	.45	.49	1.59	1.78	2.02	.56	.72	.81
Motor vehicle dealers	.14	.15	.10	.59	.57	.52	.32	.37	.33
Tire,battery,accessory dealsrs	.06	.10	.16	.57	.74	.92	.17	.26	.38
Gasoline service stations	.13	.16	.15	.38	.40	.38	.04	.05	.05
Miscellaneous vehicle dealers	.01	.03	.06	.04	.07	.18	.02	.03	.03
Apparel and accessory stores	.37	.39	.27	.80	.63	.19	.48	.52	.42
Apparel,accessory,except shoes	.32	.33	.22	.76	.59	.17	.43	.47	.37
Shoe stores	.05	.05	.04	.04	.03	.01	.05	.05	.05
Furniture and appliance stores	.21	.22	.20	2.60	2.14	.98	.25	.26	.22
Home furnishings	.16	.16	.16	2.00	1.60	.79	.14	.13	.12
Household appliances,tv,radio	.05	.05	.04	.59	.53	.19	.11	.12	.10
Eating and drinking places	.22	.42	.48	.15	.16	.00	1.07	1.76	1.17
Miscellaneous retail trade	.56	.62	.69	1.29	1.24	1.36	1.21	1.41	1.63
Drug stores	.07	.06	.07	.08	.07	.13	.37	.34	.32
Liquor stores	.00	.00	.00	.01	.00	.00	.08	.10	.07
Farm,garden supply stores	.03	.04	.04	.04	.05	.05	.07	.09	.10
Jewelry stores	.05	.06	.05	.35	.30	.18	.03	.04	.03
Fuel and ice dealers	.14	.10	.05	.30	.18	.08	.08	.06	.03
Retail florists	.00	.00	.00	.01	.01	.00	.09	.09	.04
Misc retail trade stores	.25	.34	.46	.49	.60	.90	.47	.66	1.00
Finance,insurance and real estate	15.04	14.40	16.62	40.76	40.06	37.94	1.56	1.51	1.75
Finance,total	6.60	7.22	10.81	31.69	32.75	33.62	.96	.95	1.31
Banking	3.77	4.15	6.84	7.81	7.87	10.05	.21	.26	.59
Credit agencies	1.48	1.85	2.74	23.60	24.70	23.41	.04	.06	.12
Stock brokers,investment cos	1.34	1.21	1.22	.27	.17	.15	.71	.62	.59
Insurance	7.88	6.52	5.18	4.54	3.29	2.26	.17	.13	.08
Real estate	.55	.65	.63	4.52	4.01	2.05	.41	.42	.36
Services, total	17.08	21.90	31.02	23.94	28.73	32.19	52.54	51.75	48.92

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clerical supervisrs, other			Collectors, bill and account			Counter clerks except food		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.19	.25	.22	1.82	1.71	2.43	16.96	21.38	20.33
Hotels and motels	.19	.25	.22	.46	.59	.79	16.75	21.16	20.05
Other lodging places	.00	.00	.00	1.36	1.11	1.64	.21	.21	.28
Other personal services	.41	.36	.25	.57	.66	.56	25.62	17.88	12.37
Laundering and cleaning	.33	.20	.11	.28	.16	.12	25.24	17.20	11.92
Beauty shops	.00	.00	.00	.00	.00	.00	.01	.03	.02
Shoe repair shops	.00	.00	.00	.00	.00	.00	.20	.32	.12
Misc personal services	.07	.15	.14	.28	.50	.43	.15	.31	.30
Miscellaneous business services	3.69	5.36	8.22	18.45	22.72	23.00	1.41	2.15	3.20
Advertising	.34	.28	.18	.08	.05	.02	.13	.10	.05
Business management services	.45	.60	.98	.07	.08	.11	.02	.03	.05
Commercial research,development	.13	.18	.33	.00	.00	.00	.02	.03	.06
Computer programing	.47	.63	1.15	.00	.00	.00	.00	.00	.00
Detective and protective serv	.12	.22	.32	.16	.23	.35	.01	.03	.05
Employment,temporary help	.47	.79	1.48	.11	.14	.12	.03	.06	.13
Services to buildings	.08	.16	.52	.12	.15	.33	.02	.02	.06
Other business services	1.60	2.46	3.20	17.88	22.04	22.06	1.16	1.85	2.78
Automobile services	.16	.19	.19	.18	.17	.22	2.46	2.76	3.32
Automobile repair	.02	.03	.02	.01	.01	.00	.03	.06	.03
Automobile services,exc repair	.14	.15	.16	.16	.16	.22	2.42	2.70	3.28
Other repair services	.07	.12	.13	.09	.16	.21	.17	.24	.28
Electrical repair	.01	.01	.01	.02	.01	.02	.06	.06	.10
Other repair,exc electrical	.06	.11	.12	.07	.14	.19	.11	.18	.17
Motion pictures and theaters	.12	.09	.10	.02	.01	.00	.21	.15	.22
Miscellaneous entertainment	.11	.20	.19	.14	.19	.10	1.68	2.29	1.81
Bowling alleys,billards	.00	.00	.00	.02	.01	.00	1.31	1.59	1.11
Other entertainment	.10	.19	.19	.11	.17	.10	.36	.69	.69
Medical and other health service	4.20	5.22	7.97	1.87	2.25	4.47	.88	1.18	2.35
Offices of physicians	.22	.31	.42	.22	.22	.34	.00	.00	.00
Offices of dentists	.02	.04	.05	.00	.01	.00	.00	.00	.00
Hospitals	3.15	3.80	6.57	1.55	1.82	3.83	.83	1.04	1.98
Convalescent institutions	.13	.18	.54	.01	.01	.00	.02	.04	.19
Other health services	.66	.87	.37	.06	.17	.29	.02	.08	.17
Legal services	.14	.19	.11	.18	.25	.22	.00	.00	.00
Educational services	3.42	4.40	5.47	.27	.27	.40	2.28	2.72	3.72
Elementary and secondary school	.74	1.03	.94	.05	.03	.00	.11	.22	.31
Colleges and universities	2.14	2.57	3.26	.19	.22	.40	2.14	2.46	3.32
Libraries	.12	.24	.46	.00	.00	.00	.00	.00	.00
Other educational services	.40	.55	.79	.02	.01	.00	.02	.03	.09
Museums,art galleries,zoos	.02	.03	.07	.00	.00	.00	.01	.02	.03
Nonprofit organizations	3.32	3.75	6.03	.26	.24	.39	.76	.85	1.07
Religious organizations	.26	.33	.35	.01	.01	.00	.05	.06	.07
Welfare services	2.35	2.61	4.71	.15	.14	.29	.09	.09	.17
Residential welfare services	.02	.03	.12	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.68	.77	.84	.09	.09	.10	.61	.69	.82
Other professional services	1.16	1.68	2.03	.06	.07	.14	.06	.11	.17
Engineering and architectural	.25	.38	.43	.00	.00	.00	.01	.03	.05
Accounting and auditing	.55	.80	.88	.04	.05	.08	.02	.04	.03
Miscellaneous professional serv	.35	.49	.70	.02	.02	.05	.02	.03	.08
Government,total	29.16	26.81	16.91	1.03	.98	.70	.83	.93	1.27
Federal public administration	22.60	19.27	8.67	.00	.00	.00	.42	.46	.82
Postal services	.36	.41	.29	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	22.23	18.85	8.38	.00	.00	.00	.42	.46	.82
State public administration	3.74	4.32	5.05	.20	.17	.07	.14	.17	.19
Local public administration	2.82	3.21	3.18	.82	.81	.62	.27	.29	.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dispatchers, starters, vehicle			Enumerators and interviewers			Estimators, investigtr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.08	.08	.07	.04	.04	.00	.09	.14	.10
Agriculture	.03	.02	.03	.04	.04	.00	.06	.09	.09
Agricultural production	.00	.00	.00	.04	.04	.00	.00	.00	.00
Services,except horticulture	.03	.02	.03	.00	.00	.00	.03	.04	.04
Horticultural services	.00	.00	.00	.00	.00	.00	.03	.05	.04
Forestry	.05	.05	.04	.00	.00	.00	.03	.04	.01
Mining	2.21	2.64	2.40	.03	.03	.04	.47	.60	.40
Metal	.08	.08	.10	.00	.00	.00	.02	.01	.01
Coal	.01	.02	.03	.03	.03	.04	.03	.05	.06
Crude petroleum and natural gas	1.35	1.86	1.73	.00	.00	.00	.37	.50	.30
Nonmetallic mining and quarrying	.75	.68	.53	.00	.00	.00	.04	.04	.02
Construction	2.43	2.75	3.89	.00	.00	.00	12.22	13.41	12.14
General building contractors	.09	.09	.13	.00	.00	.00	3.05	3.31	3.15
General contractors,exc building	1.46	1.58	2.18	.00	.00	.00	1.98	1.97	1.77
Special trade contractors	.86	1.07	1.57	.00	.00	.00	7.17	8.11	7.21
Manufacturing	11.31	9.56	9.46	2.14	1.79	1.45	14.41	11.83	8.44
Durable goods	7.70	6.69	6.72	.74	.61	.37	9.97	8.46	6.66
Ordnance	.15	.07	.05	.00	.00	.00	.27	.12	.07
Lumber and wood products	.13	.11	.08	.04	.03	.00	.24	.19	.16
Logging	.02	.02	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.06	.05	.04	.04	.03	.00	.20	.16	.13
Miscellaneous wood products	.04	.03	.03	.00	.00	.00	.03	.02	.02
Furniture and fixtures	.13	.11	.13	.05	.04	.00	.30	.26	.17
Stone,clay,and glass products	3.78	3.23	2.36	.04	.04	.04	.37	.30	.13
Glass and glass products	.06	.05	.04	.00	.00	.00	.08	.06	.02
Cement,concrete,plaster	3.65	3.12	2.28	.03	.02	.00	.14	.11	.04
Structural clay products	.01	.00	.00	.00	.00	.00	.01	.00	.00
Pottery and related products	.03	.02	.02	.00	.00	.00	.01	.01	.00
Miscellaneous nonmetallic,stone	.02	.01	.01	.01	.02	.04	.11	.10	.04
Primary metal industries	.61	.45	.41	.06	.05	.00	.77	.58	.35
Blast furnaces,steel works	.42	.30	.28	.00	.00	.00	.33	.22	.11
Other primary steel	.15	.11	.09	.06	.05	.00	.24	.18	.10
Primary aluminum	.00	.00	.00	.00	.00	.00	.09	.09	.05
Other primary nonferrous	.02	.02	.03	.00	.00	.00	.09	.08	.07
Fabricated metal products	.36	.35	.42	.00	.00	.00	1.91	1.74	1.23
Cutlery and other hardware	.03	.03	.01	.00	.00	.00	.08	.07	.06
Fabricated structural metal	.18	.18	.23	.00	.00	.00	1.22	1.08	.64
Screw machine products	.00	.00	.00	.00	.00	.00	.09	.08	.07
Metal stamping	.00	.00	.00	.00	.00	.00	.17	.16	.16
Miscellaneous fabricated metal	.13	.13	.17	.00	.00	.00	.34	.32	.29
Machinery except electrical	.52	.51	.69	.12	.14	.33	1.74	1.76	1.82
Engines and turbines	.03	.05	.10	.00	.00	.00	.08	.08	.07
Farm machinery and equipment	.07	.04	.00	.01	.01	.00	.08	.07	.04
Construction machines	.06	.08	.14	.00	.00	.00	.29	.32	.33
Metalworking machinery	.02	.01	.00	.02	.02	.00	.32	.31	.32
Office and accounting machines	.09	.06	.07	.00	.00	.00	.11	.06	.03
Electronic computing equipment	.04	.05	.12	.00	.00	.00	.13	.15	.23
Other machinery,exc electrical	.20	.20	.24	.08	.10	.33	.72	.73	.77
Electrical machinery	.60	.60	1.01	.22	.18	.00	1.45	1.31	1.27
Household appliances	.06	.06	.10	.00	.00	.00	.09	.07	.06
Radio, tv communications equip	.20	.16	.22	.00	.00	.00	.60	.49	.44
Other electrical machinery	.33	.38	.69	.22	.18	.00	.75	.74	.76
Transportation equipment	1.08	.92	1.13	.17	.11	.00	2.30	1.61	1.02
Motor vehicles and equipment	.25	.24	.20	.03	.03	.00	.51	.49	.30
Aircraft and parts	.65	.47	.39	.13	.08	.00	.89	.53	.13
Ship,boat building and repair	.07	.07	.08	.00	.00	.00	.81	.50	.47
Railroad equipment	.00	.00	.00	.00	.00	.00	.05	.06	.04
Mobile dwellings	.10	.12	.45	.00	.00	.00	.00	.01	.03
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.00	.01	.02
Professional,scientific instrs	.19	.21	.29	.00	.00	.00	.36	.35	.30
Scientific instruments	.06	.06	.09	.00	.00	.00	.13	.12	.10
Optical,health serv supplies	.07	.09	.14	.00	.00	.00	.08	.11	.12
Photo equipment and supplies	.05	.05	.05	.00	.00	.00	.11	.10	.06
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous manufacturing	.11	.10	.10	.00	.00	.00	.23	.18	.08
Nondurable goods	3.61	2.87	2.73	1.40	1.18	1.07	4.44	3.37	1.78

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dispatchers, starters, vehicle			Enumerators and interviewers			Estimators, investigtr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.47	1.08	.83	.00	.00	.00	.44	.31	.16
Meat	.26	.21	.17	.00	.00	.00	.04	.03	.02
Dairy	.27	.15	.07	.00	.00	.00	.06	.03	.01
Canning and preserving	.20	.14	.08	.00	.00	.00	.05	.04	.02
Grain mill	.21	.15	.09	.00	.00	.00	.06	.04	.02
Bakery	.11	.08	.09	.00	.00	.00	.03	.02	.01
Confectionery	.01	.01	.00	.00	.00	.00	.03	.02	.01
Beverages	.29	.22	.19	.00	.00	.00	.06	.04	.02
Miscellaneous food preparation	.09	.08	.11	.00	.00	.00	.08	.06	.02
Tobacco manufacturing	.02	.01	.01	.00	.00	.00	.02	.01	.00
Textile mill products	.15	.10	.09	.00	.00	.00	.25	.18	.12
Knitting mills	.02	.02	.03	.00	.00	.00	.04	.02	.01
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.02	.01	.00
Floor coverings	.00	.00	.01	.00	.00	.00	.05	.04	.03
Yarn and fabric mills	.10	.06	.03	.00	.00	.00	.11	.08	.06
Miscellaneous textile mill	.01	.00	.00	.00	.00	.00	.02	.02	.01
Apparel and textile products	.04	.02	.00	.00	.00	.00	.26	.21	.11
Apparel and accessories	.04	.02	.00	.00	.00	.00	.22	.18	.10
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.04	.03	.01
Paper and allied products	.32	.24	.28	.00	.00	.00	.61	.42	.23
Pulp,paper paperboard mills	.08	.06	.09	.00	.00	.00	.15	.09	.07
Paperboard containers,boxes	.20	.15	.16	.00	.00	.00	.31	.20	.09
Miscellaneous paper and pulp	.03	.02	.02	.00	.00	.00	.15	.12	.06
Printing and publishing	.61	.53	.57	1.35	1.13	1.07	1.56	1.14	.41
Newspaper publishing, printing	.46	.41	.48	.00	.00	.00	.25	.20	.11
Other printing,exc newspapers	.15	.12	.08	1.35	1.13	1.07	1.30	.93	.30
Chemicals and allied products	.39	.34	.52	.00	.00	.00	.64	.56	.50
Industrial chemicals	.18	.16	.23	.00	.00	.00	.20	.17	.18
Plastics and synthetics	.02	.01	.02	.00	.00	.00	.04	.03	.03
Synthetic fibers	.01	.01	.02	.00	.00	.00	.01	.01	.01
Drugs and medicines	.00	.00	.00	.00	.00	.00	.11	.11	.06
Soaps and cosmetics	.02	.02	.03	.00	.00	.00	.10	.09	.09
Paints and varnishes	.03	.03	.05	.00	.00	.00	.05	.04	.03
Agricultural chemicals	.04	.04	.04	.00	.00	.00	.05	.05	.04
Miscellaneous chemicals	.07	.05	.10	.00	.00	.00	.06	.04	.04
Petroleum and coal products	.46	.40	.33	.00	.00	.00	.23	.19	.07
Petroleum refining	.32	.27	.17	.00	.00	.00	.21	.17	.06
Misc petroleum,coal products	.14	.13	.15	.00	.00	.00	.01	.01	.00
Rubber,miscellaneous plastics	.10	.09	.09	.04	.05	.00	.31	.28	.11
Rubber	.09	.08	.09	.00	.00	.00	.17	.12	.06
Miscellaneous plastics	.01	.01	.00	.04	.05	.00	.14	.15	.05
Leather products	.00	.00	.00	.00	.00	.00	.06	.04	.02
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.05	.03	.01
All other leather	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	47.21	45.27	38.45	.11	.11	.24	11.45	9.53	6.22
Transportation,total	41.11	39.61	32.53	.11	.11	.24	3.56	2.74	2.19
Railroads and railway express	.85	.52	.25	.00	.00	.00	1.27	.65	.41
Local and interurban transit	11.80	10.94	10.62	.07	.05	.24	.14	.09	.15
Street railways and bus lines	5.63	4.24	5.52	.07	.05	.24	.13	.08	.15
Taxicab service	6.16	6.69	5.09	.00	.00	.00	.01	.01	.00
Trucking and warehousing	26.90	26.51	19.74	.00	.00	.00	1.32	1.18	.83
Trucking services	26.12	25.87	19.21	.00	.00	.00	1.21	1.10	.80
Warehousing and storage	.77	.64	.52	.00	.00	.00	.11	.08	.03
Water transportation	.30	.25	.15	.03	.05	.00	.21	.16	.11
Air transportation	.68	.64	.71	.00	.00	.00	.36	.33	.36
Pipelines	.04	.04	.03	.00	.00	.00	.02	.02	.01
Transportation services	.52	.69	1.00	.00	.00	.00	.21	.27	.29
Communicatns,utils,sanitary serv	6.10	5.66	5.91	.00	.00	.00	7.89	6.79	4.03
Communications	2.57	2.33	2.37	.00	.00	.00	3.57	2.93	1.43
Telephone(wire and radio)	2.43	2.18	2.22	.00	.00	.00	3.39	2.76	1.34
Telegraph,misc communicatn serv	.11	.13	.13	.00	.00	.00	.10	.10	.04
Radio and tv broadcasting	.01	.01	.02	.00	.00	.00	.06	.06	.04
Utilities and sanitary services	3.53	3.32	3.54	.00	.00	.00	4.32	3.86	2.59
Electric light and power	.93	1.05	1.11	.00	.00	.00	1.56	1.59	1.03
Electric-gas utilities	1.00	.85	.93	.00	.00	.00	1.53	1.26	.91
Gas steam supply systems	.77	.62	.59	.00	.00	.00	.96	.77	.48
Water supply	.35	.33	.39	.00	.00	.00	.20	.18	.14
Sanitary services	.47	.46	.50	.00	.00	.00	.05	.04	.02
Wholesale and retail trade	19.86	20.06	20.79	.22	.20	.23	16.01	16.69	14.32
Wholesale trade	11.19	10.86	10.50	.21	.18	.18	4.26	4.07	2.72

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dispatchers, starters, vehicle			Enumerators and interviewers			Estimators, investigtr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	5.14	5.23	5.25	.18	.15	.12	2.69	2.62	1.62
Motor vehicles and equipment	.60	.62	.63	.00	.00	.00	.49	.49	.34
Drugs,chemicals,allied product	.34	.32	.33	.00	.00	.00	.26	.22	.12
Dry goods and apparel	.12	.10	.11	.00	.00	.00	.15	.12	.07
Food and related products	1.35	1.25	1.08	.12	.10	.00	.17	.15	.08
Farm products-raw materials	.08	.09	.04	.00	.00	.00	.02	.02	.00
Electrical goods	.58	.55	.64	.05	.05	.12	.49	.47	.38
Hardware and plumbing	.44	.43	.42	.00	.00	.00	.17	.16	.11
Machinery equipment,supplies	1.60	1.84	1.95	.00	.00	.00	.92	.96	.50
Miscellaneous wholesale trade	6.05	5.62	5.24	.03	.03	.05	1.57	1.45	1.09
Metals and minerals, other	.55	.48	.57	.00	.00	.00	.17	.15	.14
Petroleum products	3.40	2.96	1.86	.00	.00	.00	.44	.38	.15
Scrap and waste material	.13	.16	.13	.00	.00	.00	.01	.01	.00
Alcoholic beverages	.29	.31	.26	.00	.00	.00	.04	.05	.05
Paper and paper products	.24	.22	.37	.00	.00	.00	.13	.11	.11
Lumber,construction materials	.60	.60	.88	.03	.03	.05	.10	.10	.10
Other wholesale trade	.83	.87	1.14	.00	.00	.00	.64	.62	.51
Retail trade	8.66	9.20	10.29	.01	.01	.05	11.74	12.61	11.60
Building materials	1.33	1.36	.89	.00	.00	.00	.26	.22	.08
Lumber,building material	1.31	1.34	.84	.00	.00	.00	.16	.15	.05
Hardware and farm equipment	.01	.02	.04	.00	.00	.00	.09	.07	.03
General merchandise,total	1.34	1.55	2.94	.00	.00	.00	7.35	7.87	8.24
Department stores,mail order	1.02	1.25	2.39	.00	.00	.00	6.60	7.21	7.51
Limited price stores	.04	.03	.03	.00	.00	.00	.18	.12	.05
Vending machine operators	.13	.14	.35	.00	.00	.00	.05	.04	.06
Direct selling	.04	.03	.03	.00	.00	.00	.14	.14	.08
Miscellaneous merchadise store	.10	.08	.12	.00	.00	.00	.36	.34	.52
Food and dairy stores	.75	.82	1.00	.01	.01	.05	.48	.53	.53
Grocery stores	.68	.73	.89	.00	.00	.00	.42	.45	.47
Dairy products	.01	.01	.01	.00	.00	.00	.02	.03	.02
Retail bakeries	.01	.02	.03	.01	.01	.05	.01	.01	.02
Food stores,cther	.03	.04	.05	.00	.00	.00	.02	.02	.01
Auto dealers,gas stations	2.17	2.54	2.91	.00	.00	.00	1.55	1.70	1.27
Motor vehicle dealers	1.54	1.73	1.87	.00	.00	.00	1.11	1.18	.81
Tire,battery,accessory dealrs	.14	.21	.29	.00	.00	.00	.14	.21	.21
Gasoline service stations	.41	.48	.54	.00	.00	.00	.25	.26	.18
Miscellaneous vehicle dealers	.06	.10	.20	.00	.00	.00	.03	.04	.04
Apparel and accessory stores	.04	.03	.00	.00	.00	.00	.50	.47	.19
Apparel,accessory,except shoes	.04	.03	.00	.00	.00	.00	.45	.43	.17
Shoe stores	.00	.00	.00	.00	.00	.00	.04	.04	.01
Furniture and appliance stores	.54	.55	.37	.00	.00	.00	.62	.60	.32
Home furnishings	.18	.16	.12	.00	.00	.00	.42	.39	.21
Household appliances,tv,radio	.35	.38	.25	.00	.00	.00	.20	.21	.10
Eating and drinking places	.29	.62	.84	.00	.00	.00	.23	.42	.31
Miscellaneous retail trade	2.17	1.70	1.31	.00	.00	.00	.73	.77	.63
Drug stores	.04	.06	.06	.00	.00	.00	.14	.12	.07
Liquor stores	.01	.02	.02	.00	.00	.00	.01	.01	.01
Farm,garden supply stores	.08	.11	.15	.00	.00	.00	.09	.13	.12
Jewelry stores	.00	.00	.00	.00	.00	.00	.07	.06	.05
Fuel and ice dealers	1.80	1.21	.62	.00	.00	.00	.08	.04	.01
Retail florists	.06	.06	.02	.00	.00	.00	.02	.01	.00
Misc retail trade stores	.16	.22	.41	.00	.00	.00	.29	.37	.35
Finance,insurance and real estate	.80	.75	.93	.00	.00	.00	18.49	17.44	18.41
Finance,total	.26	.26	.40	.00	.00	.00	9.74	10.50	14.39
Banking	.16	.17	.28	.00	.00	.00	4.96	5.24	7.34
Credit agencies	.01	.01	.00	.00	.00	.00	3.76	4.46	6.27
Stock brokers,investment cos	.08	.07	.11	.00	.00	.00	1.00	.80	.77
Insurance	.39	.34	.43	.00	.00	.00	6.44	4.59	1.87
Real estate	.14	.13	.09	.00	.00	.00	2.31	2.34	2.14
Services, total	8.06	10.67	16.31	24.51	31.44	76.00	13.77	18.19	20.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Dispatchrs, starters, vehicle			Enumerators and interviewrs			Estimators, investigtr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.16	.18	.12	.00	.00	.00	.30	.24	.25
Hotels and motels	.16	.18	.12	.00	.00	.00	.12	.12	.10
Other lodging places	.00	.00	.00	.00	.00	.00	.17	.12	.14
Other personal services	.30	.31	.42	.09	.06	.00	.35	.33	.20
Laundering and cleaning	.23	.15	.14	.07	.03	.00	.24	.14	.07
Beauty shops	.00	.00	.00	.02	.03	.00	.00	.00	.00
Misc personal services	.06	.16	.27	.00	.00	.00	.10	.18	.12
Miscellaneous business services	2.59	4.09	6.86	19.84	26.84	69.82	7.06	10.17	11.77
Advertising	.02	.01	.01	.31	.28	.31	.15	.12	.08
Business management services	.02	.04	.16	16.26	21.59	56.84	.36	.46	.62
Commercial research,development	.07	.08	.14	.93	1.16	2.55	.07	.10	.16
Computer programing	.19	.23	.41	.00	.00	.00	.19	.19	.11
Detective and protective serv	.94	1.64	2.64	.00	.00	.00	.13	.21	.25
Employment,temporary help	.00	.00	.00	.89	1.51	4.34	.25	.41	.67
Services to buildings	.11	.15	.29	.03	.03	.00	.13	.17	.26
Other business services	1.22	1.90	3.19	1.40	2.26	5.76	5.75	8.48	9.58
Automobile services	1.08	1.24	1.60	.03	.03	.08	.90	1.03	.99
Automobile repair	.10	.12	.09	.00	.00	.00	.05	.09	.04
Automobile services,exc repair	.98	1.11	1.51	.03	.03	.08	.84	.94	.95
Other repair services	.41	.45	.67	.00	.00	.00	.30	.42	.26
Electrical repair	.31	.27	.45	.00	.00	.00	.04	.04	.05
Other repair,exc electrical	.09	.18	.22	.00	.00	.00	.26	.38	.21
Motion pictures and theaters	.06	.06	.13	.00	.00	.00	.07	.04	.04
Miscellaneous entertainment	.16	.32	.46	.00	.00	.00	.08	.13	.10
Bowling alleys,billardrs	.00	.01	.01	.00	.00	.00	.00	.00	.00
Other entertainment	.15	.31	.44	.00	.00	.00	.08	.13	.10
Medical and other health service	.67	.97	2.41	.00	.00	.00	1.68	2.14	2.83
Offices of physicians	.00	.00	.00	.00	.00	.00	.18	.24	.32
Offices of dentists	.00	.00	.00	.00	.00	.00	.00	.01	.01
Hospitals	.61	.79	2.07	.00	.00	.00	1.28	1.49	2.11
Convalescent institutions	.00	.00	.00	.00	.00	.00	.00	.01	.05
Other health services	.05	.17	.33	.00	.00	.00	.19	.39	.32
Legal services	.00	.00	.00	.00	.00	.00	.19	.21	.05
Educational services	1.48	1.84	2.13	2.26	2.10	.86	.62	.77	.91
Elementary and secondary school	.95	1.26	1.34	2.26	2.10	.86	.14	.21	.20
Colleges and universities	.44	.47	.65	.00	.00	.00	.29	.31	.34
Libraries	.00	.00	.00	.00	.00	.00	.00	.00	.06
Other educational services	.08	.10	.14	.00	.00	.00	.19	.24	.31
Nonprofit organizations	1.00	1.05	1.31	2.28	2.38	5.23	1.14	1.23	1.20
Religious organizations	.00	.00	.00	.17	.22	.44	.03	.04	.03
Welfare services	.16	.14	.17	1.61	1.77	4.64	.40	.45	.57
Nonprofit membership organiztns	.83	.91	1.13	.49	.38	.14	.69	.72	.58
Private housechlds	.00	.00	.00	.00	.00	.00	.01	.01	.01
Other professional services	.10	.12	.16	.00	.00	.00	1.01	1.40	1.34
Engineering and architectural	.00	.00	.00	.00	.00	.00	.51	.72	.60
Accounting and auditing	.06	.09	.10	.00	.00	.00	.33	.47	.47
Miscellaneous professional serv	.03	.03	.05	.00	.00	.00	.16	.20	.25
Government,total	8.01	8.18	7.66	72.92	66.37	22.01	13.04	12.13	19.90
Federal public administration	3.72	3.53	2.78	68.67	61.55	13.12	7.48	6.24	11.37
Postal services	2.22	2.44	2.02	.00	.00	.00	.38	.43	.29
Federal pub adm,exc post office	1.50	1.09	.76	68.67	61.55	13.12	7.10	5.81	11.08
State public administration	.36	.43	.60	2.26	2.07	.97	3.43	3.68	4.04
Local public administration	3.92	4.20	4.28	1.98	2.75	7.91	2.12	2.20	4.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Expeditors, production controllers			File clerks			Insurance adjusters, examiners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.03	.04	.03	.14	.22	.18	.00	.00	.00
Agriculture	.02	.02	.02	.09	.15	.16	.00	.00	.00
Agricultural production	.00	.00	.00	.02	.07	.08	.00	.00	.00
Services,except horticulture	.01	.02	.02	.05	.06	.07	.00	.00	.00
Horticultural services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Forestry	.01	.01	.00	.05	.06	.02	.00	.00	.00
Mining	.69	.96	.78	.33	.44	.42	.00	.00	.00
Metal	.07	.07	.06	.02	.02	.02	.00	.00	.00
Coal	.01	.02	.03	.01	.01	.01	.00	.00	.00
Crude petroleum and natural gas	.50	.77	.63	.26	.38	.36	.00	.00	.00
Nonmetallic mining and quarrying	.09	.09	.05	.03	.02	.02	.00	.00	.00
Construction	2.00	2.60	3.66	1.09	1.11	1.32	.00	.00	.00
General building contractors	.48	.62	.86	.17	.17	.20	.00	.00	.00
General contractors,exc building	.87	1.01	1.33	.63	.58	.70	.00	.00	.00
Special trade contractors	.65	.96	1.46	.29	.35	.41	.00	.00	.00
Manufacturing	71.91	68.75	65.04	17.72	15.33	14.34	.14	.12	.09
Durable goods	55.65	54.35	53.88	10.43	9.22	8.84	.14	.12	.09
Ordnance	2.32	1.28	1.09	.34	.16	.16	.00	.00	.00
Lumber and wood products	.43	.38	.26	.06	.06	.06	.00	.00	.00
Logging	.01	.01	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.26	.22	.15	.04	.04	.04	.00	.00	.00
Miscellaneous wood products	.16	.14	.10	.02	.02	.02	.00	.00	.00
Furniture and fixtures	1.10	1.12	1.05	.24	.24	.29	.01	.01	.00
Stone,clay,and glass products	1.45	1.32	.75	.29	.26	.23	.00	.00	.00
Glass and glass products	.48	.42	.22	.09	.08	.07	.00	.00	.00
Cement,concrete,plaster	.33	.31	.20	.07	.06	.05	.00	.00	.00
Structural clay products	.07	.05	.02	.01	.01	.00	.00	.00	.00
Pottery and related products	.07	.06	.03	.02	.02	.02	.00	.00	.00
Miscellaneous nonmetallic,stone	.48	.45	.27	.08	.08	.06	.00	.00	.00
Primary metal industries	5.92	4.99	3.83	.80	.66	.63	.05	.05	.05
Blast furnaces,steel works	3.37	2.55	1.62	.39	.31	.31	.03	.03	.03
Other primary steel	1.25	1.04	.63	.16	.14	.16	.00	.00	.00
Primary aluminum	.56	.64	.64	.08	.07	.04	.00	.00	.00
Other primary nonferrous	.72	.75	.93	.16	.13	.11	.01	.01	.01
Fabricated metal products	4.93	5.20	5.16	1.01	.92	.75	.01	.01	.00
Cutlery and other hardware	.64	.71	.75	.18	.16	.11	.00	.00	.00
Fabricated structural metal	1.40	1.36	.91	.24	.23	.21	.00	.00	.00
Screw machine products	.51	.53	.51	.13	.12	.10	.00	.00	.00
Metal stamping	.84	.89	1.02	.11	.10	.09	.00	.00	.00
Miscellaneous fabricated metal	1.52	1.70	1.95	.32	.29	.23	.01	.01	.00
Machinery except electrical	10.63	12.44	16.44	2.08	2.05	2.18	.00	.00	.00
Engines and turbines	.85	1.02	1.07	.13	.14	.12	.00	.00	.00
Farm machinery and equipment	.67	.64	.37	.10	.10	.11	.00	.00	.00
Construction machines	2.03	2.41	2.54	.43	.46	.45	.00	.00	.00
Metalworking machinery	1.10	1.30	1.82	.28	.27	.29	.00	.00	.00
Office and accounting machines	.50	.34	.21	.17	.11	.10	.00	.00	.00
Electronic computing equipment	1.42	1.93	3.82	.21	.23	.32	.00	.00	.00
Other machinery,exc electrical	4.03	4.79	6.58	.72	.71	.77	.00	.00	.00
Electrical machinery	11.29	11.63	12.51	2.32	1.99	1.81	.04	.04	.04
Household appliances	.69	.62	.62	.14	.11	.10	.00	.00	.00
Radio, tv communications equip	4.46	4.26	3.90	1.05	.81	.69	.04	.04	.04
Other electrical machinery	6.14	6.74	7.97	1.12	1.06	1.02	.00	.00	.00
Transportation equipment	13.91	11.96	8.52	2.16	1.74	1.53	.00	.00	.00
Motor vehicles and equipment	3.61	3.97	3.45	.57	.60	.62	.00	.00	.00
Aircraft and parts	8.32	6.09	2.99	1.16	.78	.40	.00	.00	.00
Ship,boat building and repair	1.46	1.23	1.01	.38	.30	.39	.00	.00	.00
Railroad equipment	.28	.34	.33	.02	.03	.02	.00	.00	.00
Mobile dwellings	.14	.19	.52	.01	.01	.04	.00	.00	.00
Cycles,misc transportation	.06	.12	.20	.01	.02	.03	.00	.00	.00
Professional,scientific instrs	2.59	3.00	3.44	.63	.65	.66	.00	.00	.00
Scientific instruments	1.17	1.30	1.42	.25	.23	.19	.00	.00	.00
Optical,health serv supplies	.54	.83	1.21	.19	.23	.24	.00	.00	.00
Photo equipment and supplies	.74	.77	.76	.13	.13	.18	.00	.00	.00
Watches and clock devices	.12	.09	.04	.06	.04	.03	.00	.00	.00
Miscellaneous manufacturing	1.03	.97	.79	.46	.44	.49	.00	.00	.00
Nondurable goods	16.26	14.39	11.16	7.28	6.11	5.49	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Expeditors, production controllers			File clerks			Insurance adjusters, examiners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.75	1.37	.71	.69	.57	.57	.00	.00	.00
Meat	.20	.17	.11	.08	.07	.06	.00	.00	.00
Dairy	.21	.13	.04	.08	.05	.04	.00	.00	.00
Canning and preserving	.25	.20	.11	.11	.10	.11	.00	.00	.00
Grain mill	.19	.16	.09	.04	.04	.05	.00	.00	.00
Bakery	.22	.17	.11	.07	.05	.06	.00	.00	.00
Confectionery	.10	.06	.02	.07	.05	.06	.00	.00	.00
Beverages	.31	.25	.13	.12	.11	.12	.00	.00	.00
Miscellaneous food preparation	.24	.19	.08	.09	.07	.04	.00	.00	.00
Tobacco manufacturing	.03	.02	.01	.07	.05	.04	.00	.00	.00
Textile mill products	1.93	1.58	1.29	.53	.42	.49	.00	.00	.00
Knitting mills	.47	.41	.40	.14	.12	.17	.00	.00	.00
Dyeing, finishing textiles	.22	.17	.09	.05	.04	.04	.00	.00	.00
Floor coverings	.11	.10	.08	.04	.04	.07	.00	.00	.00
Yarn and fabric mills	.94	.76	.61	.26	.20	.20	.00	.00	.00
Miscellaneous textile mill	.17	.13	.09	.02	.01	.00	.00	.00	.00
Apparel and textile products	1.71	1.47	.83	.95	.87	.89	.00	.00	.00
Apparel and accessories	1.43	1.21	.73	.80	.71	.73	.00	.00	.00
Miscellaneous fabricated textile	.28	.25	.10	.15	.15	.16	.00	.00	.00
Paper and allied products	2.07	1.87	1.91	.52	.45	.52	.00	.00	.00
Pulp, paper paperboard mills	.79	.66	.57	.16	.13	.13	.00	.00	.00
Paperboard containers, boxes	.67	.51	.38	.14	.11	.13	.00	.00	.00
Miscellaneous paper and pulp	.60	.69	.96	.21	.21	.25	.00	.00	.00
Printing and publishing	2.58	2.10	.95	2.77	2.21	1.59	.00	.00	.00
Newspaper publishing, printing	.54	.50	.35	.57	.31	.04	.00	.00	.00
Other printing, exc newspapers	2.04	1.60	.60	2.19	1.89	1.55	.00	.00	.00
Chemicals and allied products	3.01	2.92	3.35	.89	.77	.78	.00	.00	.00
Industrial chemicals	1.07	1.06	1.35	.20	.15	.11	.00	.00	.00
Plastics and synthetics	.36	.34	.44	.05	.04	.03	.00	.00	.00
Synthetic fibers	.26	.25	.32	.04	.04	.06	.00	.00	.00
Drugs and medicines	.38	.40	.27	.21	.23	.25	.00	.00	.00
Soaps and cosmetics	.37	.38	.46	.20	.18	.19	.00	.00	.00
Paints and varnishes	.17	.15	.10	.05	.05	.05	.00	.00	.00
Agricultural chemicals	.14	.15	.13	.02	.02	.02	.00	.00	.00
Miscellaneous chemicals	.23	.17	.24	.08	.04	.04	.00	.00	.00
Petroleum and coal products	.65	.59	.30	.27	.23	.12	.00	.00	.00
Petroleum refining	.53	.47	.21	.24	.19	.09	.00	.00	.00
Misc petroleum, coal products	.12	.12	.08	.03	.03	.02	.00	.00	.00
Rubber, miscellaneous plastics	1.84	1.95	1.47	.33	.35	.31	.00	.00	.00
Rubber	1.10	1.02	.97	.16	.14	.15	.00	.00	.00
Miscellaneous plastics	.74	.93	.49	.16	.20	.15	.00	.00	.00
Leather products	.66	.49	.30	.23	.16	.14	.00	.00	.00
Leather tanning and finishing	.01	.01	.00	.01	.00	.00	.00	.00	.00
Footwear, except rubber	.54	.41	.27	.15	.10	.06	.00	.00	.00
All other leather	.09	.06	.02	.06	.05	.07	.00	.00	.00
Transportation, other public util	4.82	4.59	3.67	6.25	6.00	6.03	.23	.25	.17
Transportation, total	2.60	2.33	1.81	2.48	2.29	1.86	.23	.25	.17
Railroads and railway express	.47	.28	.14	.68	.41	.24	.03	.03	.02
Local and interurban transit	.20	.15	.26	.10	.08	.12	.03	.03	.06
Street railways and bus lines	.17	.12	.26	.09	.07	.12	.03	.03	.06
Taxicab service	.03	.03	.00	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.71	.71	.45	.91	.96	.74	.12	.14	.06
Trucking services	.64	.65	.42	.81	.87	.66	.11	.13	.05
Warehousing and storage	.07	.05	.02	.09	.08	.07	.00	.00	.00
Water transportation	.19	.17	.06	.23	.23	.14	.04	.04	.02
Air transportation	.81	.75	.59	.26	.24	.22	.00	.00	.00
Pipelines	.07	.07	.03	.01	.00	.00	.00	.00	.00
Transportation services	.11	.18	.25	.26	.34	.37	.00	.00	.00
Communicatns, utils, sanitary serv	2.21	2.26	1.86	3.77	3.70	4.17	.00	.00	.00
Communications	1.18	1.11	.70	2.54	2.57	3.37	.00	.00	.00
Telephone(wire and radio)	.83	.75	.42	2.36	2.38	3.21	.00	.00	.00
Telegraph, misc communicatn serv	.04	.05	.04	.09	.10	.08	.00	.00	.00
Radio and tv broadcasting	.29	.30	.24	.08	.08	.06	.00	.00	.00
Utilities and sanitary services	1.03	1.14	1.15	1.22	1.13	.80	.00	.00	.00
Electric light and power	.44	.57	.61	.43	.47	.33	.00	.00	.00
Electric-gas utilities	.30	.30	.31	.40	.33	.24	.00	.00	.00
Gas steam supply systems	.20	.18	.16	.20	.16	.10	.00	.00	.00
Water supply	.04	.04	.02	.11	.10	.07	.00	.00	.00
Sanitary services	.03	.03	.03	.05	.05	.04	.00	.00	.00
Wholesale and retail trade	7.33	8.68	9.63	14.33	14.69	13.31	.22	.20	.06
Wholesale trade	4.76	5.23	4.74	6.32	6.35	5.86	.10	.10	.06

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Expeditors, production controllers			File clerks			Insurance adjusters, examiners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	3.50	3.87	3.26	4.35	4.54	4.38	.06	.07	.04
Motor vehicles and equipment	.56	.65	.62	.54	.57	.56	.03	.03	.03
Drugs,chemicals,allied product	.25	.23	.13	.48	.45	.40	.01	.00	.00
Dry goods and apparel	.30	.27	.21	.43	.38	.37	.01	.01	.01
Food and related products	.21	.21	.12	.36	.34	.26	.00	.00	.00
Farm products-raw materials	.02	.02	.00	.06	.08	.05	.00	.00	.00
Electrical goods	.82	.88	.91	.82	.80	.81	.00	.00	.00
Hardware and plumbing	.24	.27	.23	.35	.36	.31	.00	.00	.00
Machinery equipment,supplies	1.08	1.31	1.01	1.28	1.54	1.59	.01	.01	.00
Miscellaneous wholesale trade	1.26	1.36	1.47	1.97	1.80	1.48	.03	.03	.01
Metals and minerals, other	.30	.29	.30	.23	.20	.19	.00	.00	.00
Petroleum products	.25	.24	.12	.29	.27	.19	.02	.02	.01
Scrap and waste material	.01	.03	.04	.02	.03	.03	.00	.00	.00
Alcoholic beverages	.02	.03	.04	.09	.10	.08	.00	.00	.00
Paper and paper products	.08	.08	.12	.28	.23	.22	.00	.00	.00
Lumber,construction materials	.13	.15	.21	.11	.10	.10	.00	.00	.00
Other wholesale trade	.45	.52	.62	.92	.86	.65	.01	.01	.00
Retail trade	2.57	3.44	4.88	8.01	8.34	7.44	.12	.09	.00
Building materials	.17	.19	.12	.29	.31	.28	.00	.00	.00
Lumber,building material	.13	.15	.07	.19	.21	.18	.00	.00	.00
Hardware and farm equipment	.04	.04	.05	.10	.09	.10	.00	.00	.00
General merchandise,total	1.10	1.49	2.66	4.24	4.05	3.22	.06	.05	.00
Department stores,mail order	.95	1.33	2.41	3.57	3.53	2.69	.06	.05	.00
Limited price stores	.04	.03	.01	.23	.19	.19	.00	.00	.00
Vending machine operators	.02	.02	.05	.02	.02	.03	.00	.00	.00
Direct selling	.02	.02	.03	.09	.06	.05	.00	.00	.00
Miscellaneous merchadise store	.06	.07	.14	.32	.24	.24	.00	.00	.00
Food and dairy stores	.23	.32	.51	.38	.40	.41	.02	.02	.00
Grocery stores	.20	.29	.47	.33	.34	.37	.02	.02	.00
Dairy products	.00	.01	.01	.00	.00	.00	.00	.00	.00
Retail bakeries	.01	.01	.02	.00	.00	.00	.00	.00	.00
Food stores,other	.00	.00	.00	.03	.04	.03	.00	.00	.00
Auto dealers,gas stations	.39	.53	.60	.83	.92	.95	.02	.01	.00
Motor vehicle dealers	.26	.32	.31	.55	.57	.50	.02	.01	.00
Tire,battery,accessory dealrs	.05	.08	.12	.11	.15	.20	.00	.00	.00
Gasoline service stations	.06	.09	.11	.13	.16	.20	.00	.00	.00
Miscellaneous vehicle dealers	.01	.03	.05	.03	.03	.04	.00	.00	.00
Apparel and accessory stores	.12	.13	.09	.62	.69	.67	.00	.00	.00
Apparel,accessory,except shoes	.11	.13	.08	.52	.59	.57	.00	.00	.00
Shoe stores	.00	.00	.00	.09	.10	.11	.00	.00	.00
Furniture and appliance stores	.16	.18	.12	.48	.52	.44	.00	.00	.00
Home furnishings	.10	.10	.08	.27	.26	.20	.00	.00	.00
Household appliances,tv,radio	.06	.07	.04	.21	.25	.23	.00	.00	.00
Eating and drinking places	.12	.26	.27	.15	.36	.49	.00	.00	.00
Miscellaneous retail trade	.23	.31	.48	.98	1.05	.94	.00	.00	.00
Drug stores	.02	.02	.04	.29	.27	.28	.00	.00	.00
Liquor stores	.00	.00	.00	.01	.02	.04	.00	.00	.00
Farm,garden supply stores	.02	.03	.05	.05	.07	.06	.00	.00	.00
Jewelry stores	.01	.01	.00	.09	.12	.08	.00	.00	.00
Fuel and ice dealers	.06	.04	.01	.10	.07	.04	.00	.00	.00
Retail florists	.00	.00	.00	.01	.03	.05	.00	.00	.00
Misc retail trade stores	.10	.18	.35	.40	.46	.37	.00	.00	.00
Finance,insurance and real estate	2.21	2.26	3.01	20.10	17.53	18.00	95.09	93.96	96.59
Finance,total	1.03	1.28	2.45	6.76	6.78	8.18	.60	.72	.62
Banking	1.03	1.28	2.45	4.64	4.66	5.97	.31	.36	.39
Credit agencies	.00	.00	.00	1.03	1.10	1.02	.25	.31	.21
Stock brokers,investment cos	.00	.00	.00	1.08	1.00	1.18	.03	.03	.02
Insurance	1.07	.84	.37	12.66	10.05	9.26	94.36	93.11	95.83
Real estate	.10	.14	.18	.68	.69	.55	.12	.13	.14
Services, total	2.88	4.04	5.93	22.32	27.01	30.36	2.88	3.70	1.62

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Expeditors, production controllers			File clerks			Insurance adjusters, examiners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.04	.07	.12	.18	.25	.36	.02	.02	.00
Hotels and motels	.04	.07	.12	.16	.23	.32	.02	.02	.00
Other lodging places	.00	.00	.00	.02	.02	.03	.00	.00	.00
Other personal services	.17	.22	.18	.50	.56	.49	.00	.00	.00
Laundering and cleaning	.10	.05	.01	.31	.20	.15	.00	.00	.00
Misc personal services	.07	.15	.16	.18	.35	.33	.00	.00	.00
Miscellaneous business services	1.82	2.75	4.45	5.26	7.19	7.85	1.83	2.26	.59
Advertising	.28	.24	.12	.24	.19	.10	.03	.02	.00
Business management services	.24	.36	.71	.36	.42	.42	.00	.00	.00
Commercial research,development	.20	.32	.67	.11	.14	.21	.01	.01	.01
Computer programing	.34	.49	.88	.12	.13	.13	.00	.00	.00
Detective and protective serv	.07	.15	.23	.07	.11	.15	.14	.21	.10
Employment,temporary help	.00	.00	.00	2.03	3.13	4.50	.00	.00	.00
Services to buildings	.00	.00	.00	.05	.07	.16	.00	.00	.00
Other business services	.65	1.16	1.83	2.26	2.96	2.14	1.64	2.01	.46
Automobile services	.08	.11	.15	.20	.21	.23	.04	.05	.03
Automobile repair	.00	.00	.00	.03	.04	.02	.01	.00	.00
Automobile services,exc repair	.08	.11	.15	.16	.17	.21	.03	.04	.03
Other repair services	.11	.15	.19	.13	.15	.15	.18	.30	.09
Electrical repair	.06	.06	.10	.07	.06	.06	.00	.00	.00
Other repair,exc electrical	.04	.08	.09	.05	.09	.09	.18	.30	.09
Motion pictures and theaters	.35	.26	.35	.13	.09	.13	.01	.00	.00
Miscellaneous entertainment	.00	.00	.00	.11	.20	.27	.00	.00	.00
Bowling alleys,billardrs	.00	.00	.00	.02	.02	.02	.00	.00	.00
Other entertainment	.00	.00	.00	.08	.17	.25	.00	.00	.00
Medical and other health service	.00	.00	.00	6.23	7.64	9.36	.44	.66	.63
Offices of physicians	.00	.00	.00	1.00	1.28	1.31	.03	.06	.09
Offices of dentists	.00	.00	.00	.10	.14	.11	.00	.00	.00
Offices of chiropractors	.00	.00	.00	.00	.01	.00	.00	.00	.00
Hospitals	.00	.00	.00	4.53	5.02	6.56	.34	.44	.44
Convalescent institutions	.00	.00	.00	.06	.08	.19	.00	.00	.00
Other health practitioners	.00	.00	.00	.03	.05	.05	.00	.00	.00
Other health services	.00	.00	.00	.50	1.03	1.12	.06	.16	.10
Legal services	.00	.00	.00	.50	.66	.60	.08	.10	.06
Educational services	.00	.00	.00	5.38	5.93	6.25	.04	.03	.00
Elementary and secondary school	.00	.00	.00	1.02	1.28	1.20	.01	.01	.00
Colleges and universities	.00	.00	.00	3.88	4.06	4.21	.01	.01	.00
Libraries	.00	.00	.00	.22	.27	.49	.00	.00	.00
Other educational services	.00	.00	.00	.25	.30	.33	.01	.01	.00
Museums,art galleries,zoos	.00	.00	.00	.03	.05	.09	.00	.00	.00
Nonprofit organizations	.00	.00	.00	2.68	2.82	3.41	.19	.23	.20
Religious organizations	.00	.00	.00	.37	.43	.33	.00	.00	.00
Welfare services	.00	.00	.00	1.49	1.45	1.86	.03	.04	.06
Residential welfare services	.00	.00	.00	.02	.03	.08	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.79	.90	1.13	.15	.19	.14
Private househclds	.00	.00	.00	.01	.01	.06	.00	.00	.00
Other professional services	.28	.45	.47	.93	1.18	1.05	.01	.01	.00
Engineering and architectural	.28	.45	.47	.29	.43	.43	.00	.00	.00
Accounting and auditing	.00	.00	.00	.45	.53	.36	.01	.01	.00
Miscellaneous professional serv	.00	.00	.00	.18	.21	.26	.00	.00	.00
Government,total	8.09	8.04	8.22	17.66	17.62	16.01	1.41	1.75	1.44
Federal public administration	6.96	6.74	7.30	10.56	9.05	5.62	.43	.32	.08
Postal services	.52	.63	.44	.54	.65	.78	.00	.00	.00
Federal pub adm,exc post office	6.44	6.11	6.86	10.02	8.39	4.83	.43	.32	.08
State public administration	.43	.52	.41	3.98	4.64	4.37	.96	1.40	1.36
Local public administration	.69	.77	.49	3.12	3.93	6.02	.02	.02	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Library attendants, assistants			Mail carriers, post office			Mail handlers, ex post office		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.01	.01	.00	.00	.00	.00	.13	.12	.05
Agriculture	.00	.00	.00	.00	.00	.00	.13	.12	.05
Agricultural production	.00	.00	.00	.00	.00	.00	.06	.03	.00
Services, except horticulture	.00	.00	.00	.00	.00	.00	.03	.03	.02
Horticultural services	.00	.00	.00	.00	.00	.00	.03	.04	.03
Forestry	.01	.01	.00	.00	.00	.00	.00	.00	.00
Mining	.03	.04	.01	.00	.00	.00	.43	.55	.40
Metal	.00	.00	.00	.00	.00	.00	.02	.02	.02
Coal	.00	.00	.00	.00	.00	.00	.02	.02	.04
Crude petroleum and natural gas	.03	.04	.01	.00	.00	.00	.34	.46	.29
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.04	.04	.03
Construction	.10	.09	.05	.00	.00	.00	.92	.96	1.21
General building contractors	.00	.00	.00	.00	.00	.00	.14	.17	.28
General contractors, exc building	.10	.09	.05	.00	.00	.00	.58	.55	.62
Special trade contractors	.00	.00	.00	.00	.00	.00	.19	.23	.31
Manufacturing	2.80	1.95	.62	.00	.00	.00	27.67	23.45	18.30
Durable goods	1.53	1.09	.42	.00	.00	.00	9.62	8.70	8.50
Ordnance	.11	.04	.02	.00	.00	.00	.33	.15	.10
Lumber and wood products	.00	.00	.00	.00	.00	.00	.14	.11	.09
Sawmill, planing and mill work	.00	.00	.00	.00	.00	.00	.08	.06	.04
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.05	.05	.05
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.26	.24	.20
Stone, clay, and glass products	.00	.00	.00	.00	.00	.00	.36	.29	.17
Glass and glass products	.00	.00	.00	.00	.00	.00	.13	.10	.06
Cement, concrete, plaster	.00	.00	.00	.00	.00	.00	.11	.09	.05
Structural clay products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Pottery and related products	.00	.00	.00	.00	.00	.00	.03	.02	.01
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	.06	.05	.03
Primary metal industries	.08	.05	.01	.00	.00	.00	1.04	.81	.60
Blast furnaces, steel works	.06	.04	.01	.00	.00	.00	.54	.38	.26
Other primary steel	.00	.00	.00	.00	.00	.00	.22	.17	.11
Primary aluminum	.01	.01	.00	.00	.00	.00	.14	.12	.08
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.12	.12	.14
Fabricated metal products	.03	.03	.02	.00	.00	.00	.89	.85	.83
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.19	.19	.18
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.18	.18	.18
Screw machine products	.00	.00	.00	.00	.00	.00	.06	.05	.07
Metal stamping	.00	.00	.00	.00	.00	.00	.08	.07	.07
Miscellaneous fabricated metal	.03	.03	.02	.00	.00	.00	.36	.34	.31
Machinery except electrical	.32	.29	.13	.00	.00	.00	1.81	1.84	2.14
Engines and turbines	.00	.00	.00	.00	.00	.00	.08	.08	.07
Farm machinery and equipment	.01	.01	.00	.00	.00	.00	.15	.14	.13
Construction machines	.02	.03	.01	.00	.00	.00	.31	.34	.38
Metalworking machinery	.00	.00	.00	.00	.00	.00	.18	.17	.20
Office and accounting machines	.03	.01	.00	.00	.00	.00	.15	.09	.05
Electronic computing equipment	.20	.20	.11	.00	.00	.00	.27	.32	.54
Other machinery, exc electrical	.02	.02	.00	.00	.00	.00	.64	.66	.75
Electrical machinery	.35	.25	.07	.00	.00	.00	1.89	1.74	1.89
Household appliances	.00	.00	.00	.00	.00	.00	.20	.18	.20
Radio, tv communications equip	.25	.16	.04	.00	.00	.00	.77	.63	.55
Other electrical machinery	.09	.08	.02	.00	.00	.00	.90	.92	1.13
Transportation equipment	.51	.28	.06	.00	.00	.00	1.51	1.30	1.14
Motor vehicles and equipment	.04	.05	.03	.00	.00	.00	.62	.63	.53
Aircraft and parts	.38	.19	.01	.00	.00	.00	.50	.36	.23
Ship, boat building and repair	.07	.03	.01	.00	.00	.00	.28	.18	.15
Railroad equipment	.00	.00	.00	.00	.00	.00	.04	.05	.04
Mobile dwellings	.00	.00	.00	.00	.00	.00	.02	.03	.10
Cycles, misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.06
Professional, scientific instrs	.07	.08	.06	.00	.00	.00	.86	.93	1.01
Scientific instruments	.00	.00	.00	.00	.00	.00	.19	.18	.17
Optical, health serv supplies	.03	.05	.04	.00	.00	.00	.33	.44	.53
Photo equipment and supplies	.04	.03	.02	.00	.00	.00	.27	.26	.27
Watches and clock devices	.00	.00	.00	.00	.00	.00	.06	.04	.03
Miscellaneous manufacturing	.03	.02	.01	.00	.00	.00	.48	.41	.29
Nondurable goods	1.26	.86	.20	.00	.00	.00	18.05	14.75	9.79

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Library attendants, assistants			Mail carriers, post office			Mail handlers,ex post office		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	1.06	.80	.52
Meat	.00	.00	.00	.00	.00	.00	.16	.12	.06
Dairy	.00	.00	.00	.00	.00	.00	.08	.05	.03
Canning and preserving	.00	.00	.00	.00	.00	.00	.22	.17	.11
Grain mill	.00	.00	.00	.00	.00	.00	.11	.09	.06
Bakery	.00	.00	.00	.00	.00	.00	.10	.06	.03
Confectionery	.00	.00	.00	.00	.00	.00	.07	.05	.03
Beverages	.00	.00	.00	.00	.00	.00	.13	.10	.08
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.16	.12	.08
Tobacco manufacturing	.01	.01	.00	.00	.00	.00	.07	.05	.03
Textile mill products	.04	.03	.02	.00	.00	.00	.54	.41	.37
Knitting mills	.00	.00	.00	.00	.00	.00	.09	.08	.10
Dyeing,finishing textiles	.03	.02	.00	.00	.00	.00	.08	.06	.03
Floor coverings	.00	.00	.00	.00	.00	.00	.05	.04	.06
Yarn and fabric mills	.01	.01	.01	.00	.00	.00	.26	.18	.14
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.03	.03	.03
Apparel and textile products	.02	.01	.00	.00	.00	.00	.68	.57	.41
Apparel and accessories	.02	.01	.00	.00	.00	.00	.57	.47	.33
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.10	.10	.08
Paper and allied products	.01	.01	.00	.00	.00	.00	.73	.55	.37
Pulp,paper paperboard mills	.01	.01	.00	.00	.00	.00	.31	.21	.13
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.14	.09	.05
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.26	.23	.18
Printing and publishing	.62	.39	.06	.00	.00	.00	11.93	9.78	6.09
Newspaper publishing, printing	.31	.22	.04	.00	.00	.00	6.67	5.64	3.95
Other printing,exc newspapers	.30	.17	.01	.00	.00	.00	5.26	4.13	2.14
Chemicals and allied products	.45	.33	.10	.00	.00	.00	1.78	1.53	1.35
Industrial chemicals	.17	.12	.06	.00	.00	.00	.50	.41	.35
Plastics and synthetics	.02	.01	.00	.00	.00	.00	.08	.06	.06
Synthetic fibers	.00	.00	.00	.00	.00	.00	.03	.03	.05
Drugs and medicines	.16	.13	.02	.00	.00	.00	.41	.40	.32
Soaps and cosmetics	.03	.03	.00	.00	.00	.00	.43	.35	.27
Paints and varnishes	.03	.02	.00	.00	.00	.00	.10	.09	.10
Agricultural chemicals	.01	.01	.00	.00	.00	.00	.10	.09	.08
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.10	.07	.08
Petroleum and coal products	.06	.04	.00	.00	.00	.00	.52	.43	.22
Petroleum refining	.06	.04	.00	.00	.00	.00	.45	.37	.17
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.06	.06	.05
Rubber,miscellaneous plastics	.01	.01	.00	.00	.00	.00	.46	.44	.30
Rubber	.01	.00	.00	.00	.00	.00	.28	.22	.17
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.18	.22	.13
Leather products	.00	.00	.00	.00	.00	.00	.23	.15	.10
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.16	.10	.05
All other leather	.00	.00	.00	.00	.00	.00	.06	.04	.03
Transportation, other public util	.35	.24	.05	.00	.00	.00	7.49	6.87	5.34
Transportation,total	.04	.03	.01	.00	.00	.00	3.90	3.43	2.41
Railroads and railway express	.04	.03	.01	.00	.00	.00	1.19	.72	.41
Local and interurban transit	.00	.00	.00	.00	.00	.00	.06	.05	.16
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.06	.05	.16
Trucking and warehousing	.00	.00	.00	.00	.00	.00	1.64	1.64	.95
Trucking services	.00	.00	.00	.00	.00	.00	1.55	1.56	.91
Warehousing and storage	.00	.00	.00	.00	.00	.00	.09	.07	.03
Water transportation	.00	.00	.00	.00	.00	.00	.30	.24	.12
Air transportation	.00	.00	.00	.00	.00	.00	.38	.36	.33
Transportation services	.00	.00	.00	.00	.00	.00	.30	.40	.43
Communicatns,utils,sanitary serv	.30	.21	.04	.00	.00	.00	3.58	3.43	2.93
Communications	.30	.21	.04	.00	.00	.00	2.16	2.03	1.73
Telephone(wire and radio)	.24	.16	.02	.00	.00	.00	1.71	1.55	1.30
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.17	.19	.16
Radio and tv broadcasting	.06	.05	.01	.00	.00	.00	.28	.28	.26
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	1.41	1.39	1.19
Electric light and power	.00	.00	.00	.00	.00	.00	.54	.65	.55
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.42	.36	.34
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.35	.27	.20
Water supply	.00	.00	.00	.00	.00	.00	.07	.07	.08
Sanitary services	.00	.00	.00	.00	.00	.00	.02	.02	.01
Wholesale and retail trade	.68	.65	.28	.00	.00	.00	15.77	16.66	17.67
Wholesale trade	.34	.32	.14	.00	.00	.00	5.82	5.72	4.77

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Library attendants, assistants			Mail carriers, post office			Mail handlers, ex post office		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsie trade	.17	.16	.04	.00	.00	.00	3.40	3.50	2.97
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.43	.46	.42
Drugs, chemicals, allied product	.04	.03	.00	.00	.00	.00	.38	.33	.20
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.29	.25	.24
Food and related products	.00	.00	.00	.00	.00	.00	.41	.38	.28
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.09	.11	.04
Electrical goods	.00	.00	.00	.00	.00	.00	.49	.48	.44
Hardware and plumbing	.01	.01	.00	.00	.00	.00	.21	.22	.22
Machinery equipment, supplies	.11	.11	.03	.00	.00	.00	1.06	1.23	1.09
Miscellaneous wholesale trade	.17	.16	.09	.00	.00	.00	2.42	2.22	1.80
Metals and minerals, other	.01	.01	.00	.00	.00	.00	.22	.21	.25
Petroleum products	.05	.03	.00	.00	.00	.00	.42	.37	.20
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.07	.09	.10
Paper and paper products	.00	.00	.00	.00	.00	.00	.29	.23	.23
Lumber, construction materials	.01	.00	.00	.00	.00	.00	.11	.11	.12
Other wholesale trade	.09	.10	.08	.00	.00	.00	1.28	1.18	.87
Retail trade	.33	.33	.14	.00	.00	.00	9.95	10.93	12.89
Building materials	.00	.00	.00	.00	.00	.00	.31	.28	.15
Lumber, building material	.00	.00	.00	.00	.00	.00	.18	.19	.10
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.12	.09	.05
General merchandise, total	.13	.13	.08	.00	.00	.00	4.64	5.19	7.31
Department stores, mail order	.13	.13	.08	.00	.00	.00	3.96	4.62	6.55
Limited price stores	.00	.00	.00	.00	.00	.00	.15	.12	.09
Vending machine operators	.00	.00	.00	.00	.00	.00	.04	.04	.07
Direct selling	.00	.00	.00	.00	.00	.00	.17	.12	.10
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.29	.27	.48
Food and dairy stores	.05	.04	.00	.00	.00	.00	1.05	1.21	1.60
Grocery stores	.05	.04	.00	.00	.00	.00	.96	1.10	1.47
Retail bakeries	.00	.00	.00	.00	.00	.00	.03	.04	.06
Food stores, cther	.00	.00	.00	.00	.00	.00	.05	.06	.05
Auto dealers, gas stations	.00	.00	.00	.00	.00	.00	.38	.48	.44
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.09	.11	.08
Tire, battery, accessory dealers	.00	.00	.00	.00	.00	.00	.13	.19	.20
Gasoline service stations	.00	.00	.00	.00	.00	.00	.13	.14	.13
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.02	.02	.02
Apparel and accessory stores	.02	.01	.00	.00	.00	.00	.57	.57	.39
Apparel, accessory, except shoes	.02	.01	.00	.00	.00	.00	.46	.48	.33
Shoe stores	.00	.00	.00	.00	.00	.00	.10	.09	.05
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.39	.40	.27
Home furnishings	.00	.00	.00	.00	.00	.00	.15	.14	.10
Household appliances, tv, radio	.00	.00	.00	.00	.00	.00	.24	.26	.16
Eating and drinking places	.05	.06	.00	.00	.00	.00	.20	.27	.28
Miscellaneous retail trade	.06	.08	.05	.00	.00	.00	2.37	2.49	2.43
Drug stores	.01	.00	.00	.00	.00	.00	1.26	1.10	.83
Liquor stores	.00	.00	.00	.00	.00	.00	.07	.08	.06
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.11	.15	.19
Jewelry stores	.00	.00	.00	.00	.00	.00	.14	.13	.03
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.07	.04	.01
Retail florists	.00	.00	.00	.00	.00	.00	.07	.07	.02
Misc retail trade stores	.05	.07	.05	.00	.00	.00	.63	.88	1.27
Finance, insurance and real estate	1.23	1.00	.55	.00	.00	.00	14.59	13.09	13.47
Finance, total	.58	.57	.46	.00	.00	.00	6.91	7.08	9.80
Banking	.44	.44	.39	.00	.00	.00	4.70	5.02	7.86
Credit agencies	.03	.04	.05	.00	.00	.00	.71	.81	.99
Stock brokers, investment cos	.10	.08	.02	.00	.00	.00	1.49	1.24	.94
Insurance	.63	.41	.08	.00	.00	.00	7.18	5.48	3.18
Real estate	.01	.01	.00	.00	.00	.00	.49	.52	.49
Services, total	92.88	94.01	96.93	.00	.00	.00	23.07	28.73	35.19

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Library attendants, assistants			Mail carriers, post office			Mail handlers, ex post office		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.39	.41	.33
Hotels and motels	.00	.00	.00	.00	.00	.00	.34	.39	.31
Other lodging places	.00	.00	.00	.00	.00	.00	.04	.02	.02
Other personal services	.01	.02	.00	.00	.00	.00	.36	.38	.24
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.19	.11	.05
Misc personal services	.01	.02	.00	.00	.00	.00	.15	.26	.18
Miscellaneous business services	.92	1.05	.62	.00	.00	.00	6.70	9.55	12.42
Advertising	.06	.05	.00	.00	.00	.00	.80	.65	.35
Business management services	.12	.15	.11	.00	.00	.00	.40	.55	.87
Commercial research, development	.18	.20	.12	.00	.00	.00	.17	.23	.42
Computer programing	.37	.42	.28	.00	.00	.00	.21	.26	.39
Detective and protective serv	.00	.00	.00	.00	.00	.00	.07	.13	.17
Employment, temporary help	.00	.00	.00	.00	.00	.00	.77	1.18	1.56
Services to buildings	.00	.00	.00	.00	.00	.00	.02	.02	.00
Other business services	.17	.21	.09	.00	.00	.00	4.23	6.51	8.65
Automobile services	.00	.00	.00	.00	.00	.00	.08	.10	.15
Automobile repair	.00	.00	.00	.00	.00	.00	.01	.02	.04
Automobile services, exc repair	.00	.00	.00	.00	.00	.00	.07	.07	.10
Other repair services	.00	.00	.00	.00	.00	.00	.08	.12	.12
Electrical repair	.00	.00	.00	.00	.00	.00	.02	.01	.01
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.06	.10	.10
Motion pictures and theaters	.09	.05	.03	.00	.00	.00	.45	.47	.40
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.15	.24	.17
Bowling alleys, billiards	.00	.00	.00	.00	.00	.00	.01	.02	.01
Other entertainment	.00	.00	.00	.00	.00	.00	.13	.22	.16
Medical and other health service	1.79	1.92	3.01	.00	.00	.00	3.26	4.35	6.42
Offices of physicians	.00	.00	.00	.00	.00	.00	.38	.51	.70
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.01	.04	.01
Hospitals	1.59	1.57	2.37	.00	.00	.00	2.39	2.81	4.52
Convalescent institutions	.10	.16	.37	.00	.00	.00	.05	.07	.23
Other health services	.10	.18	.26	.00	.00	.00	.41	.89	.95
Legal services	.09	.10	.19	.00	.00	.00	.30	.36	.38
Educational services	87.93	88.79	92.12	.00	.00	.00	7.63	8.26	9.16
Elementary and secondary school	15.49	17.33	17.84	.00	.00	.00	.72	.89	.69
Colleges and universities	34.57	36.13	34.16	.00	.00	.00	6.33	6.64	7.35
Libraries	37.26	34.65	39.81	.00	.00	.00	.06	.10	.20
Other educational services	.60	.67	.30	.00	.00	.00	.51	.62	.90
Museums, art galleries, zoos	.13	.17	.09	.00	.00	.00	.06	.09	.17
Nonprofit organizations	1.15	1.13	.45	.00	.00	.00	2.60	3.00	3.53
Religious organizations	.49	.53	.20	.00	.00	.00	.84	1.06	1.07
Welfare services	.19	.18	.11	.00	.00	.00	.68	.77	1.18
Residential welfare services	.00	.00	.00	.00	.00	.00	.04	.05	.16
Nonprofit membership organiztns	.45	.40	.12	.00	.00	.00	1.03	1.11	1.11
Private households	.00	.00	.00	.00	.00	.00	.01	.02	.05
Other professional services	.71	.74	.38	.00	.00	.00	.95	1.33	1.59
Engineering and architectural	.10	.10	.01	.00	.00	.00	.30	.45	.47
Accounting and auditing	.20	.22	.17	.00	.00	.00	.31	.46	.53
Miscellaneous professional serv	.40	.41	.19	.00	.00	.00	.34	.42	.58
Government, total	1.88	1.95	1.47	100.00	100.00	100.00	9.90	9.53	8.32
Federal public administration	.84	.73	.59	100.00	100.00	100.00	6.25	5.36	3.28
Postal services	.00	.00	.00	100.00	100.00	100.00	.08	.10	.07
Federal pub adm, exc post office	.84	.73	.59	.00	.00	.00	6.16	5.25	3.21
State public administration	.37	.45	.35	.00	.00	.00	2.71	3.17	4.26
Local public administration	.66	.75	.52	.00	.00	.00	.93	.99	.76

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Messengers and office helpers			Meter readers, utilities			Payroll, timekeeping clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.27	.23	.07	.00	.00	.00	.24	.67	.56
Agriculture	.26	.22	.06	.00	.00	.00	.19	.60	.50
Agricultural production	.10	.07	.00	.00	.00	.00	.13	.52	.48
Services,except horticulture	.12	.09	.03	.00	.00	.00	.02	.02	.01
Horticultural services	.03	.05	.03	.00	.00	.00	.04	.05	.01
Forestry	.00	.01	.01	.00	.00	.00	.03	.05	.04
Fisheries	.00	.00	.00	.00	.00	.00	.00	.01	.01
Mining	.26	.34	.36	.00	.00	.00	.86	1.08	1.06
Metal	.05	.04	.02	.00	.00	.00	.16	.15	.18
Coal	.02	.03	.04	.00	.00	.00	.15	.20	.25
Crude petroleum and natural gas	.16	.25	.28	.00	.00	.00	.37	.55	.52
Nonmetallic mining and quarrying	.02	.02	.01	.00	.00	.00	.17	.16	.10
Construction	1.62	1.70	1.84	.00	.00	.00	6.40	6.70	7.27
General building contractors	.42	.46	.68	.00	.00	.00	1.39	1.42	1.59
General contractors,exc building	.58	.48	.29	.00	.00	.00	3.12	3.05	3.18
Special trade contractors	.62	.75	.86	.00	.00	.00	1.88	2.21	2.50
Manufacturing	17.91	14.59	11.20	.00	.00	.00	45.25	39.41	33.88
Durable goods	4.79	3.93	3.22	.00	.00	.00	27.38	23.99	19.03
Ordnance	.19	.08	.07	.00	.00	.00	.71	.33	.24
Lumber and wood products	.19	.20	.26	.00	.00	.00	.64	.62	.66
Logging	.00	.00	.00	.00	.00	.00	.02	.03	.03
Sawmill,planing and mill work	.12	.12	.15	.00	.00	.00	.42	.42	.46
Miscellaneous wood products	.07	.08	.10	.00	.00	.00	.18	.16	.17
Furniture and fixtures	.13	.15	.32	.00	.00	.00	1.03	1.02	1.14
Stone,clay,and glass products	.22	.19	.15	.00	.00	.00	1.48	1.33	1.02
Glass and glass products	.04	.03	.03	.00	.00	.00	.48	.43	.34
Cement,concrete,plaster	.09	.08	.06	.00	.00	.00	.43	.39	.28
Structural clay products	.04	.03	.03	.00	.00	.00	.13	.10	.05
Pottery and related products	.00	.00	.00	.00	.00	.00	.12	.10	.08
Miscellaneous nonmetallic,stone	.04	.03	.02	.00	.00	.00	.31	.30	.26
Primary metal industries	.45	.35	.33	.00	.00	.00	3.83	3.09	2.54
Blast furnaces,steel works	.24	.16	.11	.00	.00	.00	1.53	1.14	.95
Other primary steel	.09	.09	.16	.00	.00	.00	1.30	1.12	1.08
Primary aluminum	.00	.00	.00	.00	.00	.00	.37	.34	.20
Other primary nonferrous	.10	.08	.06	.00	.00	.00	.61	.48	.29
Fabricated metal products	.41	.34	.22	.00	.00	.00	4.10	3.77	3.11
Cutlery and other hardware	.07	.05	.02	.00	.00	.00	.81	.82	.80
Fabricated structural metal	.15	.12	.07	.00	.00	.00	.97	.98	1.11
Screw machine products	.04	.03	.01	.00	.00	.00	.25	.21	.11
Metal stamping	.01	.00	.00	.00	.00	.00	.71	.58	.36
Miscellaneous fabricated metal	.13	.12	.11	.00	.00	.00	1.35	1.16	.70
Machinery except electrical	.73	.60	.33	.00	.00	.00	5.42	5.09	4.09
Engines and turbines	.02	.02	.01	.00	.00	.00	.32	.31	.20
Farm machinery and equipment	.04	.04	.04	.00	.00	.00	.40	.40	.41
Construction machines	.12	.10	.04	.00	.00	.00	.90	.91	.69
Metalworking machinery	.13	.10	.04	.00	.00	.00	.85	.79	.66
Office and accounting machines	.06	.03	.01	.00	.00	.00	.24	.14	.06
Electronic computing equipment	.11	.09	.03	.00	.00	.00	.28	.28	.26
Other machinery,exc electrical	.22	.19	.12	.00	.00	.00	2.40	2.23	1.80
Electrical machinery	.70	.49	.23	.00	.00	.00	3.94	3.20	2.00
Household appliances	.03	.03	.03	.00	.00	.00	.45	.34	.19
Radio,tv communications equip	.30	.20	.12	.00	.00	.00	1.19	.86	.52
Other electrical machinery	.36	.26	.08	.00	.00	.00	2.29	1.99	1.28
Transportation equipment	.63	.46	.32	.00	.00	.00	4.00	3.49	2.62
Motor vehicles and equipment	.15	.15	.14	.00	.00	.00	1.64	1.62	1.25
Aircraft and parts	.26	.15	.05	.00	.00	.00	1.24	.81	.34
Ship,boat building and repair	.18	.12	.07	.00	.00	.00	.71	.60	.54
Railroad equipment	.01	.01	.00	.00	.00	.00	.21	.19	.09
Mobile dwellings	.01	.01	.04	.00	.00	.00	.09	.10	.23
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.09	.13	.15
Professional,scientific instrs	.55	.51	.37	.00	.00	.00	1.32	1.26	1.03
Scientific instruments	.02	.02	.03	.00	.00	.00	.50	.42	.22
Optical,health serv supplies	.28	.27	.12	.00	.00	.00	.26	.30	.20
Photo equipment and supplies	.18	.15	.12	.00	.00	.00	.41	.41	.48
Watches and clock devices	.05	.05	.09	.00	.00	.00	.13	.11	.11
Miscellaneous manufacturing	.56	.52	.58	.00	.00	.00	.88	.75	.53
Nondurable goods	13.11	10.65	7.98	.00	.00	.00	17.86	15.42	14.84

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Messengers and office helpers			Meter readers, utilities			Payroll, timekeeping clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.97	.75	.66	.00	.00	.00	3.41	2.95	2.99
Meat	.16	.13	.11	.00	.00	.00	.53	.47	.45
Dairy	.01	.00	.00	.00	.00	.00	.37	.24	.15
Canning and preserving	.10	.07	.03	.00	.00	.00	.84	.77	.86
Grain mill	.16	.14	.14	.00	.00	.00	.19	.17	.15
Bakery	.13	.10	.12	.00	.00	.00	.47	.41	.45
Confectionery	.05	.05	.10	.00	.00	.00	.20	.17	.17
Beverages	.20	.15	.12	.00	.00	.00	.41	.36	.38
Miscellaneous food preparation	.13	.07	.01	.00	.00	.00	.38	.34	.34
Tobacco manufacturing	.03	.02	.00	.00	.00	.00	.21	.15	.13
Textile mill products	.43	.33	.36	.00	.00	.00	2.29	1.82	1.87
Knitting mills	.07	.07	.18	.00	.00	.00	.63	.55	.75
Dyeing,finishing textiles	.07	.06	.08	.00	.00	.00	.13	.09	.05
Floor coverings	.00	.00	.00	.00	.00	.00	.09	.07	.03
Yarn and fabric mills	.27	.17	.09	.00	.00	.00	1.23	.94	.85
Miscellaneous textile mill	.02	.01	.00	.00	.00	.00	.19	.15	.16
Apparel and textile products	.86	.60	.30	.00	.00	.00	3.72	3.44	3.72
Apparel and accessories	.70	.46	.16	.00	.00	.00	3.44	3.14	3.40
Miscellaneous fabricated textile	.15	.14	.13	.00	.00	.00	.28	.29	.31
Paper and allied products	.32	.26	.30	.00	.00	.00	1.81	1.48	1.45
Pulp,paper paperboard mills	.12	.10	.12	.00	.00	.00	.65	.48	.35
Paperboard containers,boxes	.09	.07	.12	.00	.00	.00	.71	.55	.59
Miscellaneous paper and pulp	.09	.08	.06	.00	.00	.00	.45	.44	.50
Printing and publishing	9.16	7.47	5.17	.00	.00	.00	1.60	1.49	1.51
Newspaper publishing, printing	4.71	4.10	3.50	.00	.00	.00	.36	.34	.34
Other printing,exc newspapers	4.44	3.37	1.66	.00	.00	.00	1.24	1.15	1.16
Chemicals and allied products	.77	.59	.44	.00	.00	.00	1.92	1.59	1.38
Industrial chemicals	.18	.14	.14	.00	.00	.00	.63	.51	.40
Plastics and synthetics	.04	.02	.01	.00	.00	.00	.15	.11	.07
Synthetic fibers	.01	.01	.06	.00	.00	.00	.12	.10	.08
Drugs and medicines	.13	.11	.04	.00	.00	.00	.23	.25	.26
Soaps and cosmetics	.27	.20	.10	.00	.00	.00	.27	.22	.16
Paints and varnishes	.04	.03	.03	.00	.00	.00	.13	.13	.19
Agricultural chemicals	.03	.03	.02	.00	.00	.00	.10	.09	.06
Miscellaneous chemicals	.03	.01	.01	.00	.00	.00	.26	.16	.12
Petroleum and coal products	.16	.15	.12	.00	.00	.00	.46	.41	.25
Petroleum refining	.16	.15	.12	.00	.00	.00	.33	.28	.15
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.12	.12	.10
Rubber,miscellaneous plastics	.25	.37	.52	.00	.00	.00	1.30	1.27	.98
Rubber	.01	.01	.00	.00	.00	.00	.80	.68	.61
Miscellaneous plastics	.24	.35	.52	.00	.00	.00	.49	.59	.37
Leather products	.12	.08	.07	.00	.00	.00	1.10	.77	.53
Leather tanning and finishing	.01	.00	.00	.00	.00	.00	.09	.07	.04
Footwear, except rubber	.04	.02	.01	.00	.00	.00	.81	.54	.32
All other leather	.06	.04	.04	.00	.00	.00	.19	.16	.16
Transportation, other public util	6.67	5.77	4.21	100.00	100.00	100.00	9.14	8.96	8.01
Transportation,total	3.86	3.15	1.90	.00	.00	.00	4.52	4.17	3.57
Railroads and railway express	1.73	1.04	.40	.00	.00	.00	1.47	.91	.56
Local and interurban transit	.07	.06	.19	.00	.00	.00	.35	.31	.39
Street railways and bus lines	.06	.03	.16	.00	.00	.00	.31	.25	.34
Taxicab service	.01	.02	.02	.00	.00	.00	.04	.05	.04
Trucking and warehousing	.85	.82	.45	.00	.00	.00	1.53	1.78	1.58
Trucking services	.78	.77	.43	.00	.00	.00	1.43	1.67	1.48
Warehousing and storage	.07	.05	.02	.00	.00	.00	.10	.11	.09
Water transportation	.26	.19	.09	.00	.00	.00	.72	.69	.59
Air transportation	.19	.14	.05	.00	.00	.00	.27	.25	.20
Pipelines	.03	.03	.03	.00	.00	.00	.01	.01	.00
Transportation services	.71	.85	.68	.00	.00	.00	.14	.19	.22
Communicatns,utils,sanitary serv	2.81	2.62	2.31	100.00	100.00	100.00	4.62	4.79	4.43
Communications	2.11	2.00	1.81	.00	.00	.00	2.35	2.57	2.66
Telephone(wire and radio)	1.01	.80	.42	.00	.00	.00	2.07	2.23	2.27
Telegraph,misc communicatn serv	.57	.55	.25	.00	.00	.00	.16	.19	.19
Radio and tv broadcasting	.52	.63	1.13	.00	.00	.00	.11	.13	.19
Utilities and sanitary services	.69	.62	.49	100.00	100.00	100.00	2.27	2.22	1.77
Electric light and power	.29	.25	.12	29.28	34.45	37.29	.78	.87	.50
Electric-gas utilities	.25	.20	.13	19.56	19.41	24.51	.67	.55	.37
Gas steam supply systems	.06	.05	.04	20.29	18.00	15.82	.38	.32	.29
Water supply	.02	.03	.02	29.60	27.10	21.72	.21	.22	.25
Sanitary services	.05	.07	.16	.70	.54	.13	.19	.22	.33
Other utilities	.00	.00	.00	.53	.47	.51	.01	.01	.02
Wholesale and retail trade	11.38	11.13	9.23	.00	.00	.00	11.80	13.40	14.37
Wholesale trade	3.67	3.32	2.19	.00	.00	.00	3.95	4.04	3.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Messengers and office helpers			Meter readers, utilities			Payroll, timekeeping clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	2.07	1.98	1.38	.00	.00	.00	2.70	2.86	2.58
Motor vehicles and equipment	.26	.28	.30	.00	.00	.00	.28	.31	.30
Drugs, chemicals, allied product	.17	.11	.02	.00	.00	.00	.23	.22	.16
Dry goods and apparel	.17	.12	.06	.00	.00	.00	.21	.19	.18
Food and related products	.27	.28	.33	.00	.00	.00	.73	.71	.61
Farm products-raw materials	.11	.12	.04	.00	.00	.00	.11	.17	.13
Electrical goods	.24	.22	.17	.00	.00	.00	.25	.24	.19
Hardware and plumbing	.02	.02	.03	.00	.00	.00	.16	.16	.13
Machinery equipment, supplies	.79	.79	.39	.00	.00	.00	.68	.82	.85
Miscellaneous wholesale trade	1.60	1.34	.81	.00	.00	.00	1.25	1.18	.90
Metals and minerals, other	.18	.15	.13	.00	.00	.00	.18	.15	.10
Petroleum products	.19	.15	.08	.00	.00	.00	.22	.23	.20
Scrap and waste material	.05	.05	.03	.00	.00	.00	.08	.08	.03
Alcoholic beverages	.09	.10	.07	.00	.00	.00	.10	.11	.08
Paper and paper products	.17	.12	.10	.00	.00	.00	.12	.09	.07
Lumber, construction materials	.09	.06	.02	.00	.00	.00	.17	.16	.17
Other wholesale trade	.80	.68	.36	.00	.00	.00	.37	.34	.22
Retail trade	7.70	7.81	7.03	.00	.00	.00	7.84	9.36	10.88
Building materials	.42	.36	.23	.00	.00	.00	.21	.23	.20
Lumber, building material	.23	.23	.16	.00	.00	.00	.19	.20	.13
Hardware and farm equipment	.19	.13	.07	.00	.00	.00	.02	.02	.06
General merchandise, total	1.80	1.78	1.88	.00	.00	.00	3.99	4.24	5.16
Department stores, mail order	1.26	1.30	1.23	.00	.00	.00	3.16	3.49	4.15
Limited price stores	.10	.10	.18	.00	.00	.00	.39	.38	.52
Vending machine operators	.07	.06	.07	.00	.00	.00	.09	.08	.11
Direct selling	.05	.07	.04	.00	.00	.00	.05	.03	.02
Miscellaneous merchadise store	.30	.23	.35	.00	.00	.00	.29	.24	.34
Food and dairy stores	.88	.82	.70	.00	.00	.00	.95	.97	.76
Grocery stores	.78	.72	.56	.00	.00	.00	.85	.85	.66
Dairy products	.04	.03	.05	.00	.00	.00	.02	.02	.01
Retail bakeries	.01	.01	.03	.00	.00	.00	.03	.04	.03
Food stores, other	.03	.04	.05	.00	.00	.00	.04	.05	.05
Auto dealers, gas stations	1.75	1.61	1.39	.00	.00	.00	.55	.58	.48
Motor vehicle dealers	1.32	1.11	.84	.00	.00	.00	.34	.30	.18
Tire, battery, accessory dealsr	.16	.18	.19	.00	.00	.00	.06	.10	.13
Gasoline service stations	.15	.14	.11	.00	.00	.00	.13	.16	.15
Miscellaneous vehicle dealers	.11	.17	.24	.00	.00	.00	.00	.01	.01
Apparel and accessory stores	.43	.38	.17	.00	.00	.00	.57	.68	.81
Apparel, accessory, except shoes	.40	.35	.13	.00	.00	.00	.44	.53	.55
Shoe stores	.03	.03	.03	.00	.00	.00	.12	.15	.26
Furniture and appliance stores	.46	.46	.33	.00	.00	.00	.25	.31	.39
Home furnishings	.27	.24	.15	.00	.00	.00	.13	.16	.22
Household appliances, tv, radio	.19	.21	.18	.00	.00	.00	.11	.14	.16
Eating and drinking places	.44	.89	1.08	.00	.00	.00	.71	1.64	2.21
Miscellaneous retail trade	1.48	1.48	1.21	.00	.00	.00	.58	.67	.84
Drug stores	.26	.18	.06	.00	.00	.00	.21	.21	.28
Liquor stores	.04	.06	.11	.00	.00	.00	.01	.01	.01
Farm, garden supply stores	.06	.06	.04	.00	.00	.00	.05	.06	.04
Jewelry stores	.43	.42	.12	.00	.00	.00	.05	.09	.11
Fuel and ice dealers	.13	.09	.08	.00	.00	.00	.09	.08	.08
Retail florists	.04	.06	.08	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.49	.58	.70	.00	.00	.00	.14	.19	.29
Finance, insurance and real estate	21.11	18.15	19.09	.00	.00	.00	3.95	3.73	3.17
Finance, total	17.78	15.28	16.59	.00	.00	.00	1.98	1.80	1.31
Banking	11.16	9.24	7.96	.00	.00	.00	1.37	1.15	.65
Credit agencies	.85	.69	.36	.00	.00	.00	.34	.36	.20
Stock brokers, investment cos	5.77	5.33	8.26	.00	.00	.00	.26	.27	.45
Insurance	2.46	1.99	1.59	.00	.00	.00	1.60	1.52	1.46
Real estate	.86	.88	.89	.00	.00	.00	.36	.41	.39
Services, total	34.82	42.11	46.09	.00	.00	.00	13.61	16.84	20.89

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Messengers and office helpers			Meter readers, utilities			Payroll, timekeeping clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.50	.66	.77	.00	.00	.00	1.15	1.60	1.74
Hotels and motels	.44	.58	.62	.00	.00	.00	1.13	1.58	1.73
Other lodging places	.06	.08	.15	.00	.00	.00	.01	.02	.01
Other personal services	.84	.95	.38	.00	.00	.00	.70	.55	.45
Laundry and cleaning	.34	.23	.17	.00	.00	.00	.64	.44	.39
Beauty shops	.03	.03	.00	.00	.00	.00	.02	.05	.04
Misc personal services	.46	.68	.21	.00	.00	.00	.03	.05	.02
Miscellaneous business services	14.40	16.69	11.18	.00	.00	.00	2.51	3.42	3.57
Advertising	2.44	1.87	1.19	.00	.00	.00	.13	.12	.09
Business management services	.44	.44	.22	.00	.00	.00	.18	.20	.15
Commercial research,development	.06	.07	.05	.00	.00	.00	.07	.09	.10
Computer programing	.18	.17	.13	.00	.00	.00	.18	.19	.14
Detective and protective serv	.82	1.46	2.36	.00	.00	.00	.39	.70	1.00
Employment,temporary help	.85	1.04	.62	.00	.00	.00	.80	1.11	1.00
Services to buildings	.05	.04	.00	.00	.00	.00	.23	.31	.51
Other business services	9.54	11.58	6.58	.00	.00	.00	.50	.67	.55
Automobile services	.29	.28	.12	.00	.00	.00	.15	.16	.12
Automobile repair	.20	.20	.03	.00	.00	.00	.02	.03	.01
Automobile services,exc repair	.08	.08	.08	.00	.00	.00	.13	.13	.11
Other repair services	.18	.22	.12	.00	.00	.00	.08	.11	.08
Electrical repair	.05	.05	.05	.00	.00	.00	.03	.02	.01
Other repair,exc electrical	.12	.17	.07	.00	.00	.00	.05	.09	.07
Motion pictures and theaters	.49	.32	.46	.00	.00	.00	.23	.17	.27
Miscellaneous entertainment	.66	1.10	2.09	.00	.00	.00	.29	.50	.42
Bowling alleys,billardrs	.12	.15	1.23	.00	.00	.00	.03	.04	.03
Other entertainment	.53	.94	.86	.00	.00	.00	.25	.45	.39
Medical and other health service	7.68	10.83	20.81	.00	.00	.00	3.43	4.65	9.75
Offices of physicians	.19	.22	.14	.00	.00	.00	.02	.03	.06
Offices of dentists	.20	.18	.17	.00	.00	.00	.01	.02	.02
Hospitals	6.36	8.11	18.91	.00	.00	.00	3.03	3.94	8.53
Convalescent institutions	.13	.15	.36	.00	.00	.00	.17	.26	.78
Other health practitioners	.01	.02	.00	.00	.00	.00	.00	.01	.00
Other health services	.77	2.12	1.22	.00	.00	.00	.17	.37	.34
Legal services	2.10	2.89	2.40	.00	.00	.00	.05	.07	.04
Educational services	4.43	4.52	4.11	.00	.00	.00	3.25	3.63	2.72
Elementary and secondary school	.65	.83	.75	.00	.00	.00	1.72	2.12	1.70
Colleges and universities	3.38	3.37	3.16	.00	.00	.00	1.38	1.35	.92
Libraries	.25	.18	.14	.00	.00	.00	.02	.02	.02
Other educational services	.13	.13	.06	.00	.00	.00	.11	.12	.06
Museums,art galleries,zoo	.03	.05	.06	.00	.00	.00	.01	.02	.02
Nonprofit organizations	1.35	1.18	.81	.00	.00	.00	1.04	1.06	1.05
Religious organizations	.13	.12	.00	.00	.00	.00	.07	.07	.02
Welfare services	.74	.64	.60	.00	.00	.00	.70	.68	.67
Residential welfare services	.00	.00	.00	.00	.00	.00	.01	.02	.02
Nonprofit membership organiztns	.46	.42	.21	.00	.00	.00	.25	.28	.33
Private households	.08	.10	.17	.00	.00	.00	.00	.00	.00
Other professional services	1.73	2.26	2.53	.00	.00	.00	.67	.83	.59
Engineering and architectural	.92	1.39	1.74	.00	.00	.00	.21	.30	.25
Accounting and auditing	.57	.61	.57	.00	.00	.00	.34	.41	.29
Miscellaneous professional serv	.23	.25	.21	.00	.00	.00	.11	.11	.05
Government,total	5.92	5.93	7.88	.00	.00	.00	8.70	9.15	10.75
Federal public administration	2.92	1.87	.81	.00	.00	.00	5.58	4.98	3.95
Postal services	.25	.34	.48	.00	.00	.00	1.46	1.78	1.68
Federal pub adm,exc post office	2.66	1.53	.33	.00	.00	.00	4.11	3.19	2.26
State public administration	1.94	2.65	4.64	.00	.00	.00	.97	1.34	2.13
Local public administration	1.05	1.39	2.42	.00	.00	.00	2.14	2.83	4.67

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Postal clerks			Proofreader			Real estate appraisers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.00	.00	.00	.00	.00	.00	.14	.17	.10
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.14	.17	.10
Construction	.00	.00	.00	.00	.00	.00	7.38	6.33	8.78
General building contractors	.00	.00	.00	.00	.00	.00	.20	.14	.00
General contractors,exc building	.00	.00	.00	.00	.00	.00	7.18	6.19	8.78
Manufacturing	.00	.00	.00	100.00	100.00	100.00	.15	.09	.02
Durable goods	.00	.00	.00	.00	.00	.00	.04	.02	.00
Lumber and wood products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Logging	.00	.00	.00	.00	.00	.00	.01	.00	.00
Electrical machinery	.00	.00	.00	.00	.00	.00	.02	.01	.00
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.02	.01	.00
Nondurable goods	.00	.00	.00	100.00	100.00	100.00	.11	.07	.02
Printing and publishing	.00	.00	.00	100.00	100.00	100.00	.04	.02	.00
Newspaper publishing, printing	.00	.00	.00	100.00	100.00	100.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.04	.02	.00
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.07	.05	.02
Petroleum refining	.00	.00	.00	.00	.00	.00	.07	.05	.02
Transportation, other public util	.00	.00	.00	.00	.00	.00	.57	.49	.41
Transportation,total	.00	.00	.00	.00	.00	.00	.12	.06	.00
Railroads and railway express	.00	.00	.00	.00	.00	.00	.07	.03	.00
Local and interurban transit	.00	.00	.00	.00	.00	.00	.02	.01	.00
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.02	.01	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.02	.02	.00
Trucking services	.00	.00	.00	.00	.00	.00	.02	.02	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.44	.42	.41
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.44	.42	.41
Electric light and power	.00	.00	.00	.00	.00	.00	.20	.27	.32
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.14	.09	.04
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.02	.01	.00
Water supply	.00	.00	.00	.00	.00	.00	.06	.04	.04
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	.51	.32	.04
Wholesale trade	.00	.00	.00	.00	.00	.00	.28	.17	.04
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	.28	.17	.04
Petroleum products	.00	.00	.00	.00	.00	.00	.20	.13	.04
Other wholesale trade	.00	.00	.00	.00	.00	.00	.08	.04	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Postal clerks			Proofreader			Real estate appraisers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.00	.00	.00	.23	.14	.00
Food and dairy stores	.00	.00	.00	.00	.00	.00	.07	.04	.00
Grocery stores	.00	.00	.00	.00	.00	.00	.07	.04	.00
Auto dealers, gas stations	.00	.00	.00	.00	.00	.00	.11	.06	.00
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.02	.01	.00
Gasoline service stations	.00	.00	.00	.00	.00	.00	.09	.05	.00
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	.04	.03	.00
Misc retail trade stores	.00	.00	.00	.00	.00	.00	.04	.03	.00
Finance, insurance and real estate	.00	.00	.00	.00	.00	.00	66.83	67.73	71.59
Finance, total	.00	.00	.00	.00	.00	.00	16.74	18.80	32.31
Banking	.00	.00	.00	.00	.00	.00	6.94	7.38	13.98
Credit agencies	.00	.00	.00	.00	.00	.00	9.65	11.31	18.23
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.14	.10	.09
Insurance	.00	.00	.00	.00	.00	.00	8.64	5.79	3.44
Real estate	.00	.00	.00	.00	.00	.00	41.44	43.13	35.83
Services, total	.00	.00	.00	.00	.00	.00	3.25	3.75	3.59
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.04	.03	.00
Hotels and motels	.00	.00	.00	.00	.00	.00	.04	.03	.00
Other personal services	.00	.00	.00	.00	.00	.00	.06	.08	.08
Misc personal services	.00	.00	.00	.00	.00	.00	.06	.08	.08
Miscellaneous business services	.00	.00	.00	.00	.00	.00	2.17	2.55	2.33
Business management services	.00	.00	.00	.00	.00	.00	.16	.19	.28
Other business services	.00	.00	.00	.00	.00	.00	2.01	2.36	2.05
Other repair services	.00	.00	.00	.00	.00	.00	.11	.24	.47
Other repair, exc electrical	.00	.00	.00	.00	.00	.00	.11	.24	.47
Medical and other health service	.00	.00	.00	.00	.00	.00	.03	.02	.00
Other health services	.00	.00	.00	.00	.00	.00	.03	.02	.00
Legal services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Educational services	.00	.00	.00	.00	.00	.00	.35	.25	.00
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.21	.13	.00
Colleges and universities	.00	.00	.00	.00	.00	.00	.08	.06	.00
Other educational services	.00	.00	.00	.00	.00	.00	.05	.04	.00
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.19	.17	.22
Religious organizations	.00	.00	.00	.00	.00	.00	.02	.01	.00
Welfare services	.00	.00	.00	.00	.00	.00	.10	.12	.22
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.05	.03	.00
Other professional services	.00	.00	.00	.00	.00	.00	.25	.35	.47
Engineering and architectural	.00	.00	.00	.00	.00	.00	.20	.29	.47
Accounting and auditing	.00	.00	.00	.00	.00	.00	.03	.02	.00
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.02	.03	.00
Government, total	100.00	100.00	100.00	.00	.00	.00	21.13	21.09	15.43
Federal public administration	100.00	100.00	100.00	.00	.00	.00	4.37	4.69	4.93
Postal services	100.00	100.00	100.00	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	.00	.00	.00	.00	.00	.00	4.37	4.69	4.93
State public administration	.00	.00	.00	.00	.00	.00	5.23	5.37	3.65
Local public administration	.00	.00	.00	.00	.00	.00	11.53	11.02	6.84

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Reception-ists			Shippng and receiving clerks			Statistical clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	1.13	.94	.72	.11	.15	.07	.21	.27	.15
Agriculture	1.10	.91	.70	.09	.12	.06	.15	.20	.13
Agricultural production	.02	.01	.00	.04	.09	.05	.06	.09	.06
Services,except horticulture	1.05	.86	.67	.03	.02	.00	.07	.08	.06
Horticultural services	.02	.03	.02	.01	.01	.00	.01	.01	.00
Forestry	.03	.03	.01	.00	.01	.00	.04	.05	.02
Fisheries	.00	.00	.00	.01	.00	.00	.01	.01	.00
Mining	.25	.26	.15	.17	.21	.21	.58	.78	.60
Metal	.03	.01	.00	.02	.02	.04	.03	.03	.03
Coal	.01	.01	.02	.03	.03	.03	.04	.05	.04
Crude petroleum and natural gas	.19	.21	.11	.05	.09	.11	.45	.65	.49
Nonmetallic mining and quarrying	.01	.01	.01	.05	.04	.02	.04	.04	.03
Construction	1.26	1.11	1.04	.40	.47	.59	1.22	1.22	1.45
General building contractors	.36	.31	.30	.07	.08	.11	.12	.12	.13
General contractors,exc building	.33	.26	.25	.10	.10	.12	.90	.85	1.04
Special trade contractors	.56	.53	.49	.23	.29	.35	.19	.24	.27
Manufacturing	9.06	6.13	4.07	52.94	48.46	45.82	21.27	18.59	16.19
Durable goods	4.73	3.47	2.77	27.26	25.28	22.38	14.06	12.55	11.64
Ordnance	.09	.03	.03	.28	.13	.08	.51	.25	.20
Lumber and wood products	.11	.07	.03	.73	.74	.69	.81	.73	.61
Logging	.00	.00	.00	.00	.01	.01	.01	.01	.01
Sawmill,planing and mill work	.07	.04	.02	.47	.49	.42	.75	.66	.54
Miscellaneous wood products	.03	.02	.01	.25	.24	.25	.05	.04	.05
Furniture and fixtures	.21	.15	.10	1.66	1.71	2.04	.19	.19	.16
Stone,clay,and glass products	.26	.17	.07	1.23	1.16	1.04	.44	.39	.25
Glass and glass products	.06	.04	.01	.44	.42	.42	.11	.10	.07
Cement,concrete,plaster	.09	.05	.01	.16	.16	.15	.14	.12	.07
Structural clay products	.02	.01	.00	.11	.08	.05	.02	.01	.00
Pottery and related products	.02	.01	.01	.11	.08	.03	.04	.03	.02
Miscellaneous nonmetallic,stone	.06	.04	.02	.40	.40	.38	.11	.10	.07
Primary metal industries	.38	.25	.18	3.08	2.63	2.47	2.51	1.98	1.63
Blast furnaces,steel works	.09	.05	.02	1.10	.89	.92	1.83	1.38	1.10
Other primary steel	.12	.08	.05	.92	.84	.95	.31	.27	.22
Primary aluminum	.06	.05	.04	.35	.31	.15	.12	.11	.08
Other primary nonferrous	.08	.06	.05	.70	.58	.44	.23	.21	.21
Fabricated metal products	.78	.58	.42	4.99	4.54	3.65	1.05	1.04	1.00
Cutlery and other hardware	.12	.09	.06	.73	.79	.98	.17	.18	.16
Fabricated structural metal	.24	.17	.08	1.12	1.17	1.39	.30	.29	.25
Screw machine products	.06	.04	.04	.53	.43	.20	.07	.06	.07
Metal stamping	.13	.10	.09	.79	.64	.34	.14	.14	.15
Miscellaneous fabricated metal	.22	.16	.13	1.80	1.49	.71	.35	.35	.35
Machinery except electrical	.96	.77	.76	5.12	4.75	3.44	2.22	2.33	2.71
Engines and turbines	.04	.03	.03	.22	.20	.10	.17	.19	.20
Farm machinery and equipment	.07	.04	.01	.41	.43	.48	.13	.13	.11
Construction machines	.11	.10	.09	.87	.85	.53	.43	.50	.62
Metalworking machinery	.14	.11	.11	.76	.68	.46	.23	.24	.29
Office and accounting machines	.03	.01	.01	.17	.12	.10	.15	.10	.07
Electronic computing equipment	.11	.10	.14	.23	.22	.23	.30	.36	.61
Other machinery,exc electrical	.43	.35	.34	2.45	2.23	1.52	.78	.78	.79
Electrical machinery	.82	.61	.57	4.29	3.78	3.23	2.73	2.58	2.78
Household appliances	.07	.05	.05	.45	.37	.32	.16	.14	.14
Radio, tv communications equip	.21	.14	.12	1.04	.72	.46	1.27	1.08	.97
Other electrical machinery	.52	.41	.39	2.80	2.68	2.44	1.30	1.36	1.66
Transportation equipment	.47	.33	.23	2.80	2.84	3.07	2.53	2.01	1.28
Motor vehicles and equipment	.17	.13	.07	1.58	1.75	1.98	.77	.80	.67
Aircraft and parts	.17	.09	.03	.74	.55	.38	1.40	.89	.30
Ship,boat building and repair	.04	.03	.01	.15	.17	.17	.25	.20	.17
Railroad equipment	.01	.01	.01	.06	.06	.03	.05	.06	.04
Mobile dwellings	.05	.04	.09	.15	.17	.37	.02	.02	.04
Cycles,misc transportation	.00	.00	.00	.09	.12	.11	.01	.02	.03
Professional,scientific instrs	.37	.32	.28	1.32	1.37	1.17	.64	.68	.70
Scientific instruments	.11	.09	.07	.46	.45	.44	.22	.21	.20
Optical,health serv supplies	.15	.16	.16	.50	.58	.39	.16	.22	.28
Photo equipment and supplies	.08	.05	.04	.26	.25	.23	.22	.21	.20
Watches and clock devices	.01	.01	.00	.09	.08	.10	.03	.02	.01
Miscellaneous manufacturing	.24	.15	.06	1.71	1.57	1.46	.38	.33	.27
Nondurable goods	4.33	2.66	1.29	25.67	23.17	23.44	7.20	6.04	4.54

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Reception-ists			Shipping and receiving clerks			Statistical clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.73	.41	.16	4.85	4.14	3.95	1.08	.87	.61
Meat	.07	.05	.02	.90	.79	.61	.15	.13	.10
Dairy	.12	.05	.01	.56	.40	.30	.11	.07	.04
Canning and preserving	.10	.06	.02	.63	.61	.80	.16	.13	.10
Grain mill	.05	.03	.01	.22	.20	.21	.10	.09	.06
Bakery	.10	.05	.02	1.21	.97	.86	.14	.10	.07
Confectionery	.04	.02	.00	.30	.24	.18	.06	.05	.03
Beverages	.12	.07	.02	.49	.43	.46	.18	.14	.09
Miscellaneous food preparation	.10	.06	.03	.51	.47	.50	.16	.13	.08
Tobacco manufacturing	.03	.01	.00	.16	.12	.11	.06	.03	.01
Textile mill products	.31	.18	.10	3.29	2.86	3.58	.68	.54	.50
Knitting mills	.08	.05	.03	.98	.90	1.36	.13	.10	.11
Dyeing,finishing textiles	.03	.01	.00	.42	.37	.39	.06	.04	.03
Floor coverings	.03	.02	.01	.28	.28	.44	.06	.05	.06
Yarn and fabric mills	.13	.07	.04	1.27	1.02	1.02	.37	.28	.24
Miscellaneous textile mill	.03	.02	.01	.31	.27	.35	.05	.04	.05
Apparel and textile products	.46	.28	.12	5.17	4.73	4.62	.59	.50	.37
Apparel and accessories	.39	.24	.10	4.36	3.83	3.50	.52	.44	.33
Miscellaneous fabricated textile	.06	.04	.01	.81	.90	1.12	.06	.06	.04
Paper and allied products	.45	.25	.11	2.51	2.20	2.42	.69	.53	.37
Pulp,paper paperboard mills	.10	.05	.02	.82	.67	.67	.38	.27	.17
Paperboard containers,boxes	.18	.09	.04	.80	.63	.64	.11	.08	.06
Miscellaneous paper and pulp	.16	.10	.05	.88	.89	1.10	.19	.17	.13
Printing and publishing	1.19	.71	.28	2.54	2.34	2.21	1.68	1.42	.91
Newspaper publishing, printing	.43	.27	.13	.09	.09	.10	.32	.29	.24
Other printing,exc newspapers	.76	.44	.14	2.44	2.25	2.10	1.36	1.13	.66
Chemicals and allied products	.60	.41	.34	3.34	2.86	2.73	1.35	1.21	1.14
Industrial chemicals	.14	.10	.09	.74	.63	.59	.37	.31	.31
Plastics and synthetics	.03	.02	.01	.34	.23	.12	.08	.06	.04
Synthetic filters	.02	.01	.01	.22	.23	.44	.09	.08	.08
Drugs and medicines	.11	.08	.04	.43	.40	.22	.36	.37	.32
Soaps and cosmetics	.09	.07	.06	.60	.54	.53	.20	.18	.18
Paints and varnishes	.08	.05	.03	.47	.43	.48	.09	.08	.07
Agricultural chemicals	.03	.02	.02	.12	.12	.10	.05	.05	.04
Miscellaneous chemicals	.07	.04	.04	.38	.24	.22	.08	.05	.06
Petroleum and coal products	.10	.06	.01	.27	.27	.25	.35	.29	.13
Petroleum refining	.08	.05	.01	.14	.14	.12	.32	.26	.10
Misc petroleum,coal products	.01	.00	.00	.12	.12	.13	.03	.03	.03
Rubber,miscellaneous plastics	.29	.23	.08	2.34	2.72	2.75	.52	.50	.40
Rubber	.09	.05	.03	1.02	.91	.98	.37	.32	.28
Miscellaneous plastics	.20	.17	.05	1.32	1.80	1.76	.14	.18	.12
Leather products	.13	.07	.04	1.16	.90	.79	.15	.10	.07
Leather tanning and finishing	.00	.00	.00	.08	.07	.05	.00	.00	.00
Footwear, except rubber	.08	.04	.02	.68	.49	.37	.12	.08	.05
All other leather	.04	.02	.02	.39	.33	.36	.02	.02	.02
Transportation, other public util	2.54	1.83	1.40	7.59	8.77	8.47	14.63	13.19	10.53
Transportation,total	1.14	.79	.65	7.15	8.28	7.79	4.27	3.57	2.66
Railroads and railway express	.09	.03	.02	.82	.54	.25	1.86	1.16	.65
Local and interurban transit	.21	.11	.17	.07	.07	.09	.17	.13	.19
Street railways and bus lines	.18	.09	.14	.07	.07	.08	.17	.13	.19
Taxicab service	.03	.02	.02	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.30	.19	.11	3.68	4.76	4.26	.75	.76	.47
Trucking services	.25	.16	.09	2.99	4.09	3.60	.65	.68	.40
Warehousing and storage	.04	.02	.01	.68	.67	.65	.09	.08	.06
Water transportation	.11	.06	.02	1.69	1.77	1.73	.32	.28	.15
Air transportation	.22	.16	.09	.32	.37	.42	.79	.76	.68
Pipelines	.01	.00	.00	.01	.01	.01	.15	.15	.12
Transportation services	.18	.20	.23	.53	.74	1.01	.22	.30	.37
Communicatns,utils,sanitary serv	1.39	1.03	.74	.43	.48	.68	10.35	9.62	7.87
Communications	.90	.66	.47	.22	.28	.51	6.80	6.44	5.63
Telephone(wire and radio)	.49	.32	.14	.16	.19	.36	6.53	6.15	5.38
Telegraph,misc communicatn serv	.03	.02	.01	.03	.05	.08	.15	.17	.14
Radio and tv broadcasting	.37	.32	.31	.02	.03	.06	.11	.11	.10
Utilities and sanitary services	.49	.37	.27	.21	.20	.17	3.55	3.18	2.23
Electric light and power	.19	.16	.12	.08	.08	.05	.67	.76	.51
Electric-gas utilities	.09	.07	.06	.06	.05	.03	1.15	.97	.71
Gas steam supply systems	.12	.07	.03	.04	.03	.03	1.40	1.12	.71
Water supply	.05	.04	.02	.01	.01	.01	.19	.18	.16
Sanitary services	.01	.01	.01	.00	.01	.02	.13	.13	.13
Wholesale and retail trade	8.59	7.24	5.89	33.59	36.33	39.23	10.75	11.67	12.59
Wholesale trade	4.16	3.26	2.23	20.72	21.66	21.58	5.09	5.19	4.44

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Reception- ists			Shipping and receiving clerks			Statistical clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	2.76	2.22	1.49	15.08	16.45	17.41	3.46	3.64	3.18
Motor vehicles and equipment	.23	.19	.13	2.21	2.50	2.78	.49	.53	.53
Drugs,chemicals,allied product	.32	.24	.15	1.60	1.56	1.46	.35	.33	.25
Dry goods and apparel	.27	.18	.13	1.63	1.51	1.66	.40	.36	.32
Food and related products	.31	.23	.13	2.05	2.11	2.04	.43	.41	.30
Farm products-raw materials	.03	.03	.01	.10	.15	.10	.18	.23	.08
Electrical goods	.40	.31	.24	2.25	2.28	2.47	.54	.55	.60
Hardware and plumbing	.24	.19	.13	1.45	1.53	1.40	.23	.24	.21
Machinery equipment,supplies	.93	.83	.53	3.77	4.77	5.46	.80	.96	.87
Miscellaneous wholesale trade	1.40	1.04	.74	5.63	5.21	4.17	1.62	1.54	1.26
Metals and minerals, other	.17	.12	.11	.56	.47	.34	.13	.13	.15
Petroleum products	.19	.12	.03	.15	.17	.19	.33	.30	.17
Scrap and waste material	.02	.02	.01	.05	.06	.03	.03	.04	.05
Alcoholic beverages	.10	.09	.06	.19	.22	.16	.10	.11	.07
Paper and paper products	.16	.11	.11	1.00	.78	.61	.18	.14	.13
Lumber,construction materials	.14	.10	.10	.47	.42	.38	.23	.23	.27
Other wholesale trade	.60	.45	.31	3.18	3.06	2.44	.59	.56	.40
Retail trade	4.42	3.97	3.65	12.87	14.66	17.65	5.65	6.48	8.14
Building materials	.20	.14	.04	.71	.78	.71	.43	.44	.23
Lumber,building material	.17	.12	.03	.47	.56	.47	.38	.40	.20
Hardware and farm equipment	.03	.02	.01	.24	.22	.24	.05	.04	.02
General merchandise,total	1.09	.94	1.17	6.70	7.51	10.48	2.90	3.35	5.15
Department stores,mail order	.81	.75	.94	5.36	6.24	8.66	2.33	2.85	4.44
Limited price stores	.06	.03	.00	.51	.51	.73	.15	.11	.06
Vending machine operators	.04	.03	.05	.04	.04	.05	.05	.06	.11
Direct selling	.04	.03	.02	.11	.10	.12	.10	.09	.06
Miscellaneous merchadise store	.11	.09	.13	.67	.61	.90	.25	.23	.46
Food and dairy stores	.18	.16	.17	1.44	1.46	1.07	.29	.32	.40
Grocery stores	.14	.13	.14	1.26	1.24	.88	.24	.26	.34
Dairy products	.00	.00	.00	.02	.03	.02	.01	.00	.00
Retail bakeries	.00	.00	.00	.09	.11	.09	.02	.03	.03
Food stores,cther	.02	.02	.01	.05	.07	.07	.01	.01	.03
Auto dealers,gas stations	.61	.54	.37	.47	.57	.55	.50	.59	.64
Motor vehicle dealers	.45	.38	.23	.17	.15	.06	.24	.26	.21
Tire,battery,accessory dealers	.04	.05	.04	.25	.34	.40	.08	.13	.21
Gasoline service stations	.05	.04	.02	.02	.03	.04	.14	.16	.17
Miscellaneous vehicle dealers	.06	.07	.07	.03	.04	.04	.02	.03	.04
Apparel and accessory stores	.24	.19	.10	1.19	1.43	1.55	.38	.40	.25
Apparel,accessory,except shoes	.20	.16	.09	1.07	1.29	1.38	.33	.35	.22
Shoe stores	.03	.02	.01	.12	.14	.16	.04	.04	.03
Furniture and appliance stores	.56	.43	.23	.77	.81	.64	.25	.24	.16
Home furnishings	.32	.24	.14	.58	.57	.39	.12	.11	.07
Household appliances,tv,radio	.23	.18	.08	.18	.24	.24	.12	.13	.08
Eating and drinking places	.24	.34	.27	.15	.33	.43	.20	.36	.47
Miscellaneous retail trade	1.27	1.19	1.27	1.40	1.74	2.19	.67	.75	.81
Drug stores	.11	.07	.03	.41	.47	.74	.14	.14	.13
Liquor stores	.01	.01	.00	.03	.05	.05	.02	.03	.03
Farm,garden supply stores	.02	.03	.03	.08	.10	.10	.05	.07	.06
Jewelry stores	.05	.03	.03	.11	.15	.12	.04	.04	.02
Fuel and ice dealers	.08	.04	.00	.03	.03	.04	.12	.08	.03
Retail florists	.04	.03	.01	.01	.01	.00	.01	.01	.00
Misc retail trade stores	.93	.96	1.15	.70	.91	1.12	.25	.36	.52
Finance,insurance and real estate	6.48	5.22	5.60	.47	.46	.45	18.68	16.31	14.38
Finance,total	2.67	2.35	3.38	.23	.22	.15	5.14	5.08	5.55
Banking	1.40	1.27	2.11	.10	.08	.03	2.15	2.24	2.91
Credit agencies	.69	.66	.86	.02	.02	.01	.68	.79	.95
Stock brokers,investment cos	.57	.42	.41	.10	.11	.11	2.31	2.04	1.68
Insurance	2.23	1.53	1.23	.19	.18	.24	12.98	10.66	8.45
Real estate	1.56	1.33	.98	.04	.06	.05	.54	.56	.36
Services, total	66.95	73.98	77.20	2.96	3.43	3.80	16.25	20.59	27.45

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Reception-ists			Shippng and receiving clerks			Statistical clerks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	1.32	1.47	1.32	.08	.12	.16	.24	.28	.28
Hotels and motels	1.18	1.36	1.20	.07	.11	.15	.19	.24	.23
Other lodging places	.13	.11	.12	.00	.00	.00	.05	.04	.04
Other personal services	3.49	4.82	3.29	.54	.45	.36	.35	.43	.32
Laundering and cleaning	.37	.17	.07	.47	.31	.21	.19	.12	.07
Beauty shops	1.27	2.12	1.66	.00	.00	.00	.00	.00	.00
Barber shops	.01	.05	.00	.00	.00	.00	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.01	.01	.00	.00	.01	.01	.00	.00	.00
Misc personal services	1.81	2.44	1.54	.06	.13	.13	.16	.31	.25
Miscellaneous business services	4.83	5.65	7.51	.63	.82	.68	2.86	3.95	5.12
Advertising	.31	.22	.14	.05	.04	.02	.17	.14	.08
Business management services	1.12	1.20	1.61	.00	.00	.00	.75	1.03	1.69
Commercial research, development	.07	.08	.12	.05	.07	.07	.15	.21	.39
Computer programming	.12	.13	.17	.02	.03	.03	.23	.29	.43
Detective and protective serv	.13	.18	.22	.01	.03	.05	.07	.12	.17
Employment, temporary help	2.23	2.92	4.50	.00	.00	.00	.45	.70	.92
Services to buildings	.07	.07	.08	.01	.01	.01	.03	.03	.00
Other business services	.74	.82	.65	.46	.62	.48	.97	1.40	1.41
Automobile services	.22	.20	.17	.03	.03	.02	.13	.14	.21
Automobile repair	.04	.05	.03	.02	.03	.01	.00	.00	.00
Automobile services, exc repair	.17	.15	.13	.01	.00	.01	.13	.14	.21
Other repair services	.21	.18	.17	.13	.13	.07	.00	.00	.00
Electrical repair	.13	.08	.10	.07	.05	.04	.00	.00	.00
Other repair, exc electrical	.08	.10	.06	.05	.07	.02	.00	.00	.00
Motion pictures and theaters	.16	.07	.06	.14	.10	.15	.07	.04	.04
Miscellaneous entertainment	.62	.84	.54	.03	.06	.07	.24	.40	.37
Bowling alleys, billiards	.04	.04	.02	.00	.00	.00	.05	.06	.03
Other entertainment	.57	.80	.52	.03	.06	.07	.18	.34	.34
Medical and other health service	40.86	47.01	50.82	.50	.80	1.63	5.63	7.11	10.91
Offices of physicians	16.56	17.78	18.45	.00	.00	.00	.28	.37	.51
Offices of dentists	5.13	7.31	6.42	.00	.00	.00	.03	.08	.10
Offices of chiropractors	.83	2.18	.64	.00	.00	.00	.00	.00	.00
Hospitals	14.56	13.64	17.66	.41	.59	1.44	4.59	5.46	8.38
Convalescent institutions	.62	.79	2.64	.01	.02	.05	.11	.18	.71
Other health practitioners	2.10	3.25	3.74	.00	.00	.00	.01	.03	.06
Other health services	1.04	2.04	1.24	.06	.18	.13	.59	.97	1.13
Legal services	1.07	1.26	.94	.00	.01	.02	.08	.09	.09
Educational services	8.15	6.98	6.88	.53	.51	.26	3.82	4.77	5.66
Elementary and secondary school	.93	.97	.85	.11	.13	.08	1.15	1.64	1.67
Colleges and universities	6.67	5.49	5.28	.35	.32	.14	2.31	2.64	3.24
Libraries	.03	.03	.07	.01	.01	.01	.03	.05	.10
Other educational services	.51	.47	.67	.05	.04	.01	.32	.43	.64
Museums, art galleries, zoos	.13	.16	.24	.01	.01	.01	.03	.05	.08
Nonprofit organizations	4.27	3.66	3.60	.19	.21	.24	1.88	2.08	2.96
Religious organizations	.72	.71	.59	.04	.04	.01	.25	.32	.32
Welfare services	1.41	1.17	1.64	.06	.05	.04	1.03	1.13	2.12
Residential welfare services	.05	.06	.16	.00	.00	.00	.02	.03	.08
Nonprofit membership organiztns	2.08	1.71	1.20	.09	.11	.17	.57	.59	.43
Private households	.03	.02	.01	.00	.00	.00	.00	.00	.00
Other professional services	1.53	1.60	1.60	.11	.13	.06	.87	1.17	1.37
Engineering and architectural	.35	.43	.45	.04	.05	.02	.16	.26	.33
Accounting and auditing	.84	.88	.73	.01	.02	.01	.32	.42	.41
Miscellaneous professional serv	.33	.29	.42	.05	.05	.02	.38	.48	.62
Government, total	3.70	3.25	3.90	1.73	1.68	1.32	16.38	17.33	16.62
Federal public administration	.90	.67	.81	1.50	1.33	.67	6.61	5.85	5.27
Postal services	.00	.00	.00	.00	.00	.00	.45	.57	.21
Federal pub adm, exc post office	.90	.67	.81	1.50	1.33	.67	6.16	5.27	5.06
State public administration	1.16	1.07	.83	.12	.19	.37	2.93	3.61	3.77
Local public administration	1.63	1.49	2.26	.10	.14	.26	6.83	7.86	7.57

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock clerks and store keepers			Teachers aides, exc monitors			Telegraph messengers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.09	.15	.10	.00	.00	.00	.00	.00	.00
Agriculture	.06	.11	.09	.00	.00	.00	.00	.00	.00
Agricultural production	.04	.09	.08	.00	.00	.00	.00	.00	.00
Services, except horticulture	.01	.00	.00	.00	.00	.00	.00	.00	.00
Horticultural services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Forestry	.02	.03	.01	.00	.00	.00	.00	.00	.00
Mining	.62	.75	.72	.00	.00	.00	.00	.00	.00
Metal	.12	.11	.09	.00	.00	.00	.00	.00	.00
Coal	.30	.39	.46	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.11	.16	.11	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.08	.08	.05	.00	.00	.00	.00	.00	.00
Construction	1.35	1.53	2.18	.00	.00	.00	.00	.00	.00
General building contractors	.12	.14	.21	.00	.00	.00	.00	.00	.00
General contractors, exc building	.76	.78	1.12	.00	.00	.00	.00	.00	.00
Special trade contractors	.46	.60	.83	.00	.00	.00	.00	.00	.00
Manufacturing	35.78	31.06	26.51	.00	.00	.00	.00	.00	.00
Durable goods	25.70	23.18	21.58	.00	.00	.00	.00	.00	.00
Ordnance	.88	.42	.34	.00	.00	.00	.00	.00	.00
Lumber and wood products	.31	.23	.10	.00	.00	.00	.00	.00	.00
Sawmill, planing and mill work	.21	.15	.07	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.09	.07	.03	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.65	.54	.27	.00	.00	.00	.00	.00	.00
Stone, clay, and glass products	.74	.56	.19	.00	.00	.00	.00	.00	.00
Glass and glass products	.22	.16	.04	.00	.00	.00	.00	.00	.00
Cement, concrete, plaster	.18	.14	.04	.00	.00	.00	.00	.00	.00
Structural clay products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.07	.06	.02	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	.21	.17	.06	.00	.00	.00	.00	.00	.00
Primary metal industries	1.82	1.41	.96	.00	.00	.00	.00	.00	.00
Blast furnaces, steel works	.74	.48	.20	.00	.00	.00	.00	.00	.00
Other primary steel	.52	.39	.18	.00	.00	.00	.00	.00	.00
Primary aluminum	.20	.21	.20	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.34	.32	.37	.00	.00	.00	.00	.00	.00
Fabricated metal products	2.55	2.46	2.29	.00	.00	.00	.00	.00	.00
Cutlery and other hardware	.30	.29	.21	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.56	.47	.21	.00	.00	.00	.00	.00	.00
Screw machine products	.27	.25	.24	.00	.00	.00	.00	.00	.00
Metal stamping	.47	.47	.56	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.93	.96	1.06	.00	.00	.00	.00	.00	.00
Machinery except electrical	5.76	6.10	7.33	.00	.00	.00	.00	.00	.00
Engines and turbines	.36	.40	.40	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.46	.39	.16	.00	.00	.00	.00	.00	.00
Construction machines	1.14	1.27	1.33	.00	.00	.00	.00	.00	.00
Metalworking machinery	.73	.78	1.04	.00	.00	.00	.00	.00	.00
Office and accounting machines	.30	.19	.13	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.38	.47	.88	.00	.00	.00	.00	.00	.00
Other machinery, exc electrical	2.36	2.57	3.37	.00	.00	.00	.00	.00	.00
Electrical machinery	4.87	4.69	5.51	.00	.00	.00	.00	.00	.00
Household appliances	.50	.41	.35	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	1.62	1.35	1.34	.00	.00	.00	.00	.00	.00
Other electrical machinery	2.74	2.92	3.80	.00	.00	.00	.00	.00	.00
Transportation equipment	6.15	4.89	3.13	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	2.50	2.33	1.57	.00	.00	.00	.00	.00	.00
Aircraft and parts	2.47	1.57	.53	.00	.00	.00	.00	.00	.00
Ship, boat building and repair	.82	.55	.32	.00	.00	.00	.00	.00	.00
Railroad equipment	.14	.16	.17	.00	.00	.00	.00	.00	.00
Mobile dwellings	.12	.14	.39	.00	.00	.00	.00	.00	.00
Cycles, misc transportation	.07	.10	.14	.00	.00	.00	.00	.00	.00
Professional, scientific instrs	1.25	1.28	1.18	.00	.00	.00	.00	.00	.00
Scientific instruments	.52	.49	.39	.00	.00	.00	.00	.00	.00
Optical, health serv supplies	.32	.45	.61	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.32	.28	.16	.00	.00	.00	.00	.00	.00
Watches and clock devices	.07	.05	.02	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.70	.54	.23	.00	.00	.00	.00	.00	.00
Nondurable goods	10.08	7.88	4.92	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock clerks and store keepers			Teachers aides, exc monitors			Telegraph messengers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.01	1.35	.45	.00	.00	.00	.00	.00	.00
Meat	.21	.16	.06	.00	.00	.00	.00	.00	.00
Dairy	.24	.13	.03	.00	.00	.00	.00	.00	.00
Canning and preserving	.37	.25	.07	.00	.00	.00	.00	.00	.00
Grain mill	.14	.10	.03	.00	.00	.00	.00	.00	.00
Bakery	.39	.25	.10	.00	.00	.00	.00	.00	.00
Confectionery	.14	.08	.02	.00	.00	.00	.00	.00	.00
Beverages	.26	.17	.06	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.24	.17	.05	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.12	.08	.04	.00	.00	.00	.00	.00	.00
Textile mill products	1.23	.88	.50	.00	.00	.00	.00	.00	.00
Knitting mills	.27	.20	.14	.00	.00	.00	.00	.00	.00
Dyeing, finishing textiles	.14	.10	.04	.00	.00	.00	.00	.00	.00
Floor coverings	.06	.05	.02	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.62	.44	.25	.00	.00	.00	.00	.00	.00
Miscellaneous textile mill	.11	.08	.04	.00	.00	.00	.00	.00	.00
Apparel and textile products	1.30	.97	.39	.00	.00	.00	.00	.00	.00
Apparel and accessories	1.10	.82	.34	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.19	.15	.04	.00	.00	.00	.00	.00	.00
Paper and allied products	1.23	.95	.64	.00	.00	.00	.00	.00	.00
Pulp, paper paperboard mills	.53	.40	.31	.00	.00	.00	.00	.00	.00
Paperboard containers, boxes	.31	.23	.18	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.39	.31	.14	.00	.00	.00	.00	.00	.00
Printing and publishing	.83	.73	.55	.00	.00	.00	.00	.00	.00
Newspaper publishing, printing	.05	.04	.02	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.78	.68	.53	.00	.00	.00	.00	.00	.00
Chemicals and allied products	1.69	1.46	1.47	.00	.00	.00	.00	.00	.00
Industrial chemicals	.48	.42	.46	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.15	.13	.15	.00	.00	.00	.00	.00	.00
Synthetic fibers	.09	.07	.05	.00	.00	.00	.00	.00	.00
Drugs and medicines	.23	.20	.15	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.31	.29	.33	.00	.00	.00	.00	.00	.00
Paints and varnishes	.14	.11	.06	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.07	.07	.07	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.19	.13	.18	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.23	.18	.05	.00	.00	.00	.00	.00	.00
Petroleum refining	.18	.14	.04	.00	.00	.00	.00	.00	.00
Misc petroleum, coal products	.05	.04	.01	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	1.01	.99	.64	.00	.00	.00	.00	.00	.00
Rubber	.59	.50	.41	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.42	.48	.22	.00	.00	.00	.00	.00	.00
Leather products	.38	.26	.15	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.28	.18	.10	.00	.00	.00	.00	.00	.00
All other leather	.08	.06	.04	.00	.00	.00	.00	.00	.00
Transportation, other public util	5.33	4.29	2.58	.00	.00	.00	100.00	100.00	100.00
Transportation, total	3.12	2.30	1.30	.00	.00	.00	.00	.00	.00
Railroads and railway express	1.19	.65	.35	.00	.00	.00	.00	.00	.00
Local and interurban transit	.11	.07	.08	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.11	.06	.08	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.70	.61	.25	.00	.00	.00	.00	.00	.00
Trucking services	.33	.29	.08	.00	.00	.00	.00	.00	.00
Warehousing and storage	.37	.31	.17	.00	.00	.00	.00	.00	.00
Water transportation	.21	.18	.05	.00	.00	.00	.00	.00	.00
Air transportation	.82	.71	.47	.00	.00	.00	.00	.00	.00
Pipelines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Transportation services	.04	.06	.08	.00	.00	.00	.00	.00	.00
Communicatns, utils, sanitary serv	2.21	1.99	1.28	.00	.00	.00	100.00	100.00	100.00
Communications	.73	.57	.21	.00	.00	.00	100.00	100.00	100.00
Telephone (wire and radio)	.67	.51	.18	.00	.00	.00	.00	.00	.00
Telegraph, misc communicatn serv	.04	.03	.01	.00	.00	.00	100.00	100.00	100.00
Radio and tv broadcasting	.02	.02	.01	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.47	1.42	1.07	.00	.00	.00	.00	.00	.00
Electric light and power	.63	.68	.52	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.41	.36	.30	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.23	.19	.12	.00	.00	.00	.00	.00	.00
Water supply	.13	.12	.09	.00	.00	.00	.00	.00	.00
Sanitary services	.05	.04	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	38.34	42.36	44.06	.00	.00	.00	.00	.00	.00
Wholesale trade	13.35	14.04	13.20	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock clerks and store keepers			Teachers aides, exc monitors			Telegraph messengers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	10.07	10.79	9.92	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	2.26	2.43	2.12	.00	.00	.00	.00	.00	.00
Drugs, chemicals, allied product	.98	.88	.55	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.76	.66	.50	.00	.00	.00	.00	.00	.00
Food and related products	.87	.82	.53	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.07	.09	.02	.00	.00	.00	.00	.00	.00
Electrical goods	1.49	1.56	1.78	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.92	1.01	1.04	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	2.68	3.31	3.35	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	3.28	3.25	3.28	.00	.00	.00	.00	.00	.00
Metals and minerals, other	.40	.37	.39	.00	.00	.00	.00	.00	.00
Petroleum products	.23	.20	.10	.00	.00	.00	.00	.00	.00
Scrap and waste material	.03	.05	.04	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.16	.20	.18	.00	.00	.00	.00	.00	.00
Paper and paper products	.55	.49	.60	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.25	.25	.32	.00	.00	.00	.00	.00	.00
Other wholesale trade	1.63	1.66	1.62	.00	.00	.00	.00	.00	.00
Retail trade	24.98	28.32	30.85	.00	.00	.00	.00	.00	.00
Building materials	.92	.77	.24	.00	.00	.00	.00	.00	.00
Lumber, building material	.49	.44	.11	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.42	.32	.13	.00	.00	.00	.00	.00	.00
General merchandise, total	9.37	10.20	14.46	.00	.00	.00	.00	.00	.00
Department stores, mail order	6.55	7.72	10.76	.00	.00	.00	.00	.00	.00
Limited price stores	1.25	.95	.55	.00	.00	.00	.00	.00	.00
Vending machine operators	.11	.12	.20	.00	.00	.00	.00	.00	.00
Direct selling	.05	.05	.06	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	1.39	1.34	2.87	.00	.00	.00	.00	.00	.00
Food and dairy stores	7.54	8.98	8.56	.00	.00	.00	.00	.00	.00
Grocery stores	7.37	8.77	8.34	.00	.00	.00	.00	.00	.00
Dairy products	.02	.03	.02	.00	.00	.00	.00	.00	.00
Retail bakeries	.04	.05	.04	.00	.00	.00	.00	.00	.00
Food stores, cther	.09	.12	.14	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	1.23	1.62	1.56	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.66	.76	.58	.00	.00	.00	.00	.00	.00
Tire, battery, accessory deals	.46	.71	.80	.00	.00	.00	.00	.00	.00
Gasoline service stations	.05	.05	.05	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.05	.07	.11	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	1.75	1.89	1.35	.00	.00	.00	.00	.00	.00
Apparel, accessory, except shoes	1.43	1.55	1.05	.00	.00	.00	.00	.00	.00
Shoe stores	.32	.34	.29	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.79	.81	.52	.00	.00	.00	.00	.00	.00
Home furnishings	.51	.51	.40	.00	.00	.00	.00	.00	.00
Household appliances, tv, radio	.28	.29	.12	.00	.00	.00	.00	.00	.00
Eating and drinking places	.49	.85	.87	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	2.86	3.18	3.26	.00	.00	.00	.00	.00	.00
Drug stores	1.31	1.15	.75	.00	.00	.00	.00	.00	.00
Liquor stores	.33	.36	.13	.00	.00	.00	.00	.00	.00
Farm, garden supply stores	.11	.16	.18	.00	.00	.00	.00	.00	.00
Jewelry stores	.16	.19	.12	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.05	.03	.01	.00	.00	.00	.00	.00	.00
Retail florists	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.87	1.26	2.05	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	1.25	1.26	1.59	.00	.00	.00	.00	.00	.00
Finance, total	.68	.76	1.22	.00	.00	.00	.00	.00	.00
Banking	.32	.38	.80	.00	.00	.00	.00	.00	.00
Credit agencies	.05	.06	.10	.00	.00	.00	.00	.00	.00
Stock brokers, investment cos	.31	.31	.30	.00	.00	.00	.00	.00	.00
Insurance	.45	.36	.20	.00	.00	.00	.00	.00	.00
Real estate	.11	.14	.16	.00	.00	.00	.00	.00	.00
Services, total	8.36	10.92	15.57	99.22	99.51	99.81	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock clerks and store keepers			Teachers aides, exc monitors			Telegraph messengers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.29	.40	.42	.00	.00	.00	.00	.00	.00
Hotels and motels	.28	.38	.41	.00	.00	.00	.00	.00	.00
Other lodging places	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other personal services	.36	.27	.15	.00	.00	.00	.00	.00	.00
Laundering and cleaning	.31	.18	.07	.00	.00	.00	.00	.00	.00
Beauty shops	.01	.02	.01	.00	.00	.00	.00	.00	.00
Misc personal services	.03	.06	.06	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.99	1.37	1.45	.00	.00	.00	.00	.00	.00
Advertising	.03	.02	.00	.00	.00	.00	.00	.00	.00
Commercial research, development	.08	.11	.23	.00	.00	.00	.00	.00	.00
Computer programing	.07	.09	.13	.00	.00	.00	.00	.00	.00
Detective and protective serv	.00	.01	.03	.00	.00	.00	.00	.00	.00
Services to buildings	.04	.06	.12	.00	.00	.00	.00	.00	.00
Other business services	.75	1.05	.92	.00	.00	.00	.00	.00	.00
Automobile services	.15	.25	.18	.00	.00	.00	.00	.00	.00
Automobile repair	.12	.21	.13	.00	.00	.00	.00	.00	.00
Automobile services, exc repair	.03	.03	.04	.00	.00	.00	.00	.00	.00
Other repair services	.13	.16	.16	.00	.00	.00	.00	.00	.00
Electrical repair	.07	.06	.09	.00	.00	.00	.00	.00	.00
Other repair, exc electrical	.06	.10	.07	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.05	.03	.04	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.10	.17	.12	.00	.00	.00	.00	.00	.00
Other entertainment	.09	.16	.12	.00	.00	.00	.00	.00	.00
Medical and other health service	3.36	4.42	7.94	.00	.00	.00	.00	.00	.00
Offices of physicians	.01	.03	.08	.00	.00	.00	.00	.00	.00
Hospitals	3.09	3.81	6.69	.00	.00	.00	.00	.00	.00
Convalescent institutions	.08	.15	.61	.00	.00	.00	.00	.00	.00
Other health services	.16	.42	.55	.00	.00	.00	.00	.00	.00
Legal services	.02	.02	.00	.00	.00	.00	.00	.00	.00
Educational services	2.22	2.96	3.90	98.45	98.94	99.46	.00	.00	.00
Elementary and secondary school	.65	.98	1.09	88.32	91.62	95.34	.00	.00	.00
Colleges and universities	1.43	1.78	2.48	8.91	6.32	3.48	.00	.00	.00
Libraries	.01	.01	.04	.00	.00	.00	.00	.00	.00
Other educational services	.12	.18	.28	1.21	.99	.64	.00	.00	.00
Museums, art galleries, zoos	.01	.01	.02	.01	.02	.02	.00	.00	.00
Nonprofit organizations	.42	.47	.72	.67	.48	.28	.00	.00	.00
Religious organizations	.03	.04	.05	.19	.16	.07	.00	.00	.00
Welfare services	.24	.26	.50	.42	.29	.19	.00	.00	.00
Residential welfare services	.01	.03	.09	.01	.01	.01	.00	.00	.00
Nonprofit membership organiztns	.12	.12	.08	.03	.02	.01	.00	.00	.00
Other professional services	.20	.32	.41	.07	.05	.03	.00	.00	.00
Engineering and architectural	.05	.08	.08	.00	.00	.00	.00	.00	.00
Accounting and auditing	.04	.05	.05	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.11	.18	.26	.07	.05	.03	.00	.00	.00
Government, total	8.83	7.64	6.66	.77	.49	.18	.00	.00	.00
Federal public administration	7.59	6.42	5.68	.30	.12	.01	.00	.00	.00
Postal services	.15	.17	.10	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	7.44	6.24	5.58	.30	.12	.01	.00	.00	.00
State public administration	.64	.66	.75	.32	.24	.10	.00	.00	.00
Local public administration	.58	.55	.22	.15	.12	.07	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telegraph operators			Telephone operators			Ticket, station, express agnts		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.02	.02	.00	.00	.00	.00
Agriculture	.00	.00	.00	.01	.01	.00	.00	.00	.00
Agricultural production	.00	.00	.00	.01	.00	.00	.00	.00	.00
Mining	.00	.00	.00	.21	.28	.32	.00	.00	.00
Metal	.00	.00	.00	.02	.02	.02	.00	.00	.00
Coal	.00	.00	.00	.02	.03	.04	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.12	.19	.21	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.03	.03	.04	.00	.00	.00
Construction	.00	.00	.00	.38	.41	.50	.08	.09	.22
General building contractors	.00	.00	.00	.07	.07	.07	.00	.00	.00
General contractors, exc building	.00	.00	.00	.16	.16	.24	.08	.09	.22
Special trade contractors	.00	.00	.00	.14	.17	.18	.00	.00	.00
Manufacturing	.45	.34	.00	7.10	5.85	4.96	.00	.00	.00
Durable goods	.21	.14	.00	3.70	3.00	2.16	.00	.00	.00
Ordnance	.00	.00	.00	.15	.06	.02	.00	.00	.00
Lumber and wood products	.00	.00	.00	.07	.08	.09	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.05	.06	.06	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.01	.01	.02	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.14	.16	.27	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	.20	.18	.19	.00	.00	.00
Glass and glass products	.00	.00	.00	.06	.05	.05	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.07	.07	.08	.00	.00	.00
Pottery and related products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.04	.04	.05	.00	.00	.00
Primary metal industries	.04	.03	.00	.34	.25	.14	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	.10	.07	.05	.00	.00	.00
Other primary steel	.00	.00	.00	.09	.06	.03	.00	.00	.00
Primary aluminum	.00	.00	.00	.05	.04	.01	.00	.00	.00
Other primary nonferrous	.04	.03	.00	.08	.06	.03	.00	.00	.00
Fabricated metal products	.00	.00	.00	.45	.35	.16	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.04	.03	.01	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.11	.09	.05	.00	.00	.00
Screw machine products	.00	.00	.00	.04	.03	.01	.00	.00	.00
Metal stamping	.00	.00	.00	.08	.06	.02	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.15	.12	.05	.00	.00	.00
Machinery except electrical	.00	.00	.00	.66	.56	.36	.00	.00	.00
Engines and turbines	.00	.00	.00	.02	.02	.00	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.03	.03	.03	.00	.00	.00
Construction machines	.00	.00	.00	.09	.08	.04	.00	.00	.00
Metalworking machinery	.00	.00	.00	.09	.07	.03	.00	.00	.00
Office and accounting machines	.00	.00	.00	.04	.03	.05	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.08	.08	.05	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	.28	.24	.13	.00	.00	.00
Electrical machinery	.12	.09	.00	.78	.55	.23	.00	.00	.00
Household appliances	.00	.00	.00	.06	.03	.01	.00	.00	.00
Radio, tv communications equip	.12	.09	.00	.32	.20	.07	.00	.00	.00
Other electrical machinery	.00	.00	.00	.39	.31	.14	.00	.00	.00
Transportation equipment	.05	.01	.00	.52	.44	.38	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.19	.19	.17	.00	.00	.00
Aircraft and parts	.00	.00	.00	.22	.17	.17	.00	.00	.00
Ship, boat building and repair	.05	.01	.00	.08	.05	.02	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.01	.01	.00	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	.19	.18	.15	.00	.00	.00
Scientific instruments	.00	.00	.00	.07	.06	.02	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.06	.07	.04	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.04	.05	.07	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.16	.14	.13	.00	.00	.00
Nondurable goods	.24	.19	.00	3.40	2.85	2.80	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telegraph operators			Telephone operators			Ticket, station, express agnts		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.57	.47	.48	.00	.00	.00
Meat	.00	.00	.00	.08	.07	.05	.00	.00	.00
Dairy	.00	.00	.00	.09	.06	.05	.00	.00	.00
Canning and preserving	.00	.00	.00	.07	.07	.12	.00	.00	.00
Grain mill	.00	.00	.00	.05	.04	.04	.00	.00	.00
Bakery	.00	.00	.00	.07	.05	.06	.00	.00	.00
Confectionery	.00	.00	.00	.03	.02	.01	.00	.00	.00
Beverages	.00	.00	.00	.07	.05	.03	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.07	.07	.08	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.02	.01	.01	.00	.00	.00
Textile mill products	.00	.00	.00	.23	.18	.20	.00	.00	.00
Knitting mills	.00	.00	.00	.05	.04	.06	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.04	.02	.01	.00	.00	.00
Floor coverings	.00	.00	.00	.02	.01	.01	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.09	.07	.10	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and textile products	.12	.09	.00	.32	.30	.38	.00	.00	.00
Apparel and accessories	.12	.09	.00	.27	.25	.32	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.04	.04	.05	.00	.00	.00
Paper and allied products	.03	.02	.00	.34	.26	.22	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.13	.10	.09	.00	.00	.00
Paperboard containers,boxes	.03	.02	.00	.12	.09	.07	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.08	.07	.05	.00	.00	.00
Printing and publishing	.00	.00	.00	.94	.85	.92	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.57	.53	.61	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.36	.32	.31	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.58	.43	.30	.00	.00	.00
Industrial chemicals	.00	.00	.00	.18	.13	.07	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.06	.03	.01	.00	.00	.00
Synthetic fibers	.00	.00	.00	.03	.02	.02	.00	.00	.00
Drugs and medicines	.00	.00	.00	.06	.07	.07	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.07	.05	.03	.00	.00	.00
Paints and varnishes	.00	.00	.00	.03	.01	.00	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.04	.04	.04	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.09	.05	.03	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.11	.10	.06	.00	.00	.00
Petroleum refining	.00	.00	.00	.09	.07	.03	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.02	.02	.03	.00	.00	.00
Rubber,miscellaneous plastics	.08	.07	.00	.17	.17	.13	.00	.00	.00
Rubber	.08	.07	.00	.08	.06	.07	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.09	.11	.06	.00	.00	.00
Leather products	.00	.00	.00	.08	.05	.03	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.05	.04	.03	.00	.00	.00
All other leather	.00	.00	.00	.01	.00	.00	.00	.00	.00
Transportation, other public util	96.33	95.94	99.23	57.35	54.64	48.34	99.91	99.90	99.77
Transportation,total	63.76	51.25	32.08	1.46	1.34	1.28	99.91	99.90	99.77
Railroads and railway express	63.76	51.25	32.08	.33	.20	.08	15.79	10.29	4.58
Local and interurban transit	.00	.00	.00	.20	.21	.43	7.83	7.19	9.84
Street railways and bus lines	.00	.00	.00	.09	.06	.29	7.64	6.88	9.32
Taxicab service	.00	.00	.00	.11	.14	.13	.18	.31	.52
Trucking and warehousing	.00	.00	.00	.51	.54	.44	2.11	2.43	1.78
Trucking services	.00	.00	.00	.47	.51	.42	2.02	2.34	1.69
Warehousing and storage	.00	.00	.00	.03	.03	.02	.09	.09	.08
Water transportation	.00	.00	.00	.17	.17	.12	2.30	2.31	1.52
Air transportation	.00	.00	.00	.11	.07	.04	66.34	72.74	81.08
Pipelines	.00	.00	.00	.01	.01	.01	.07	.08	.08
Transportation services	.00	.00	.00	.09	.11	.12	5.44	4.83	.86
Communicatns,utils,sanitary serv	32.56	44.68	67.14	55.89	53.30	47.06	.00	.00	.00
Communications	32.56	44.68	67.14	54.95	52.46	46.20	.00	.00	.00
Telephone(wire and radio)	4.85	8.61	37.02	54.29	51.78	45.58	.00	.00	.00
Telegraph,misc communicatn serv	27.71	36.07	30.12	.42	.40	.19	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.23	.26	.42	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.94	.83	.86	.00	.00	.00
Electric light and power	.00	.00	.00	.31	.30	.23	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.31	.23	.21	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.17	.14	.12	.00	.00	.00
Water supply	.00	.00	.00	.07	.08	.13	.00	.00	.00
Sanitary services	.00	.00	.00	.05	.07	.15	.00	.00	.00
Wholesale and retail trade	.17	.15	.00	7.91	8.24	9.07	.00	.00	.00
Wholesale trade	.17	.15	.00	2.74	2.66	2.38	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telegraph operators			Telephone operators			Ticket, station, express agnts		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.04	.03	.00	1.80	1.87	1.86	.00	.00	.00
Motor vehicles and equipment	.04	.03	.00	.18	.18	.15	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	.16	.14	.10	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.13	.12	.16	.00	.00	.00
Food and related products	.00	.00	.00	.23	.22	.23	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.04	.05	.03	.00	.00	.00
Electrical goods	.00	.00	.00	.38	.38	.45	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.16	.15	.09	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	.50	.59	.63	.00	.00	.00
Miscellaneous wholesale trade	.13	.12	.00	.94	.79	.52	.00	.00	.00
Metals and minerals, other	.00	.00	.00	.18	.13	.07	.00	.00	.00
Petroleum products	.00	.00	.00	.11	.10	.06	.00	.00	.00
Scrap and waste material	.00	.00	.00	.02	.01	.00	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.05	.05	.03	.00	.00	.00
Paper and paper products	.00	.00	.00	.16	.11	.07	.00	.00	.00
Lumber, construction materials	.00	.00	.00	.10	.08	.06	.00	.00	.00
Other wholesale trade	.13	.12	.00	.29	.27	.20	.00	.00	.00
Retail trade	.00	.00	.00	5.16	5.58	6.68	.00	.00	.00
Building materials	.00	.00	.00	.15	.16	.14	.00	.00	.00
Lumber, building material	.00	.00	.00	.11	.12	.11	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.03	.03	.03	.00	.00	.00
General merchandise, total	.00	.00	.00	2.99	3.31	4.66	.00	.00	.00
Department stores, mail order	.00	.00	.00	2.74	3.09	4.39	.00	.00	.00
Limited price stores	.00	.00	.00	.06	.06	.11	.00	.00	.00
Vending machine operators	.00	.00	.00	.01	.01	.00	.00	.00	.00
Direct selling	.00	.00	.00	.03	.03	.02	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.13	.11	.12	.00	.00	.00
Food and dairy stores	.00	.00	.00	.21	.17	.06	.00	.00	.00
Grocery stores	.00	.00	.00	.18	.14	.05	.00	.00	.00
Retail bakeries	.00	.00	.00	.01	.01	.00	.00	.00	.00
Food stores, cther	.00	.00	.00	.01	.00	.00	.00	.00	.00
Auto dealers, gas stations	.00	.00	.00	.74	.64	.49	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.64	.52	.39	.00	.00	.00
Tire, battery, accessory dealers	.00	.00	.00	.03	.04	.02	.00	.00	.00
Gasoline service stations	.00	.00	.00	.04	.06	.05	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.01	.01	.02	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.34	.37	.32	.00	.00	.00
Apparel, accessory, except shoes	.00	.00	.00	.30	.33	.29	.00	.00	.00
Shoe stores	.00	.00	.00	.03	.03	.03	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.26	.27	.26	.00	.00	.00
Home furnishings	.00	.00	.00	.16	.15	.10	.00	.00	.00
Household appliances, tv, radio	.00	.00	.00	.09	.12	.16	.00	.00	.00
Eating and drinking places	.00	.00	.00	.16	.30	.30	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.29	.33	.41	.00	.00	.00
Drug stores	.00	.00	.00	.05	.05	.08	.00	.00	.00
Farm, garden supply stores	.00	.00	.00	.01	.01	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.03	.04	.06	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.06	.04	.04	.00	.00	.00
Retail florists	.00	.00	.00	.01	.02	.04	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.11	.14	.15	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	3.72	3.12	2.60	.00	.00	.00
Finance, total	.00	.00	.00	1.96	1.45	.63	.00	.00	.00
Banking	.00	.00	.00	1.14	.77	.19	.00	.00	.00
Credit agencies	.00	.00	.00	.32	.27	.10	.00	.00	.00
Stock brokers, investment cos	.00	.00	.00	.49	.40	.32	.00	.00	.00
Insurance	.00	.00	.00	1.12	.96	1.05	.00	.00	.00
Real estate	.00	.00	.00	.64	.70	.92	.00	.00	.00
Services, total	3.03	3.55	.76	20.36	24.42	32.73	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telegraph operators			Telephone operators			Ticket, station, express agnts		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	2.97	3.90	4.55	.00	.00	.00
Hotels and motels	.00	.00	.00	2.93	3.86	4.48	.00	.00	.00
Other lodging places	.00	.00	.00	.04	.04	.07	.00	.00	.00
Other personal services	.05	.04	.00	.22	.24	.21	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.13	.08	.05	.00	.00	.00
Misc personal services	.05	.04	.00	.08	.15	.15	.00	.00	.00
Miscellaneous business services	2.44	2.89	.76	5.07	6.68	6.03	.00	.00	.00
Advertising	.00	.00	.00	.09	.06	.02	.00	.00	.00
Business management services	.00	.00	.00	.11	.10	.04	.00	.00	.00
Commercial research,development	.00	.00	.00	.05	.05	.02	.00	.00	.00
Computer programing	.00	.00	.00	.07	.07	.04	.00	.00	.00
Detective and protective serv	.00	.00	.00	.11	.20	.36	.00	.00	.00
Employment, temporary help	.00	.00	.00	.47	.64	.60	.00	.00	.00
Services to buildings	.00	.00	.00	.02	.02	.01	.00	.00	.00
Other business services	2.44	2.89	.76	4.14	5.52	4.90	.00	.00	.00
Automobile services	.00	.00	.00	.06	.06	.06	.00	.00	.00
Automobile repair	.00	.00	.00	.01	.01	.00	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.05	.04	.05	.00	.00	.00
Other repair services	.00	.00	.00	.09	.08	.03	.00	.00	.00
Electrical repair	.00	.00	.00	.06	.04	.02	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.03	.04	.00	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.12	.09	.16	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.24	.48	.58	.00	.00	.00
Other entertainment	.00	.00	.00	.24	.47	.57	.00	.00	.00
Medical and other health service	.54	.61	.00	6.34	8.16	17.39	.00	.00	.00
Offices of physicians	.00	.00	.00	.15	.17	.11	.00	.00	.00
Offices of dentists	.00	.00	.00	.00	.01	.01	.00	.00	.00
Hospitals	.54	.61	.00	5.85	7.38	16.42	.00	.00	.00
Convalescent institutions	.00	.00	.00	.17	.25	.59	.00	.00	.00
Other health services	.00	.00	.00	.15	.33	.24	.00	.00	.00
Legal services	.00	.00	.00	.21	.28	.24	.00	.00	.00
Educational services	.00	.00	.00	3.53	2.94	2.07	.00	.00	.00
Elementary and secondary school	.00	.00	.00	.62	.70	.52	.00	.00	.00
Colleges and universities	.00	.00	.00	2.80	2.14	1.51	.00	.00	.00
Libraries	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other educational services	.00	.00	.00	.09	.08	.03	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.02	.03	.04	.00	.00	.00
Nonprofit organizations	.00	.00	.00	1.11	1.09	1.13	.00	.00	.00
Religious organizations	.00	.00	.00	.15	.15	.06	.00	.00	.00
Welfare services	.00	.00	.00	.48	.38	.23	.00	.00	.00
Residential welfare services	.00	.00	.00	.03	.03	.03	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.44	.52	.80	.00	.00	.00
Private households	.00	.00	.00	.00	.00	.03	.00	.00	.00
Other professional services	.00	.00	.00	.31	.33	.17	.00	.00	.00
Engineering and architectural	.00	.00	.00	.11	.13	.05	.00	.00	.00
Accounting and auditing	.00	.00	.00	.08	.09	.05	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.11	.09	.06	.00	.00	.00
Government,total	.00	.00	.00	2.90	2.97	1.44	.00	.00	.00
Federal public administration	.00	.00	.00	1.19	.82	.37	.00	.00	.00
Postal services	.00	.00	.00	.05	.06	.07	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	1.14	.75	.30	.00	.00	.00
State public administration	.00	.00	.00	.47	.58	.12	.00	.00	.00
Local public administration	.00	.00	.00	1.23	1.56	.94	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Weighers			Misc clerical workers			Crafts and kindred workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.87	1.74	1.48	.15	.17	.11	.29	.46	.38
Agriculture	.53	1.24	1.15	.12	.14	.08	.24	.41	.34
Agricultural production	.14	.65	.60	.03	.03	.01	.13	.27	.22
Services,except horticulture	.39	.58	.55	.06	.07	.04	.03	.03	.04
Horticultural services	.00	.00	.00	.02	.03	.02	.07	.09	.07
Forestry	.27	.41	.20	.02	.02	.01	.03	.03	.02
Fisheries	.05	.08	.13	.00	.00	.01	.01	.01	.01
Mining	3.99	4.64	4.91	.30	.37	.28	1.47	1.77	1.90
Metal	.28	.29	.33	.02	.02	.01	.27	.26	.29
Coal	1.18	1.71	2.39	.01	.01	.01	.41	.56	.78
Crude petroleum and natural gas	.08	.13	.07	.23	.30	.22	.48	.66	.57
Nonmetallic mining and quarrying	2.42	2.50	2.10	.03	.02	.02	.30	.28	.24
Construction	3.33	3.72	6.31	1.28	1.32	1.37	23.92	25.67	25.88
General building contractors	.12	.15	.29	.27	.27	.27	5.69	5.96	6.39
General contractors,exc building	3.09	3.45	6.02	.53	.47	.51	4.52	4.29	4.57
Special trade contractors	.12	.10	.00	.48	.57	.57	13.69	15.40	14.91
Manufacturing	65.62	57.26	48.17	15.50	12.93	10.59	36.64	32.65	32.24
Durable goods	22.24	20.30	21.27	9.59	8.15	7.02	23.98	21.37	21.37
Ordnance	2.27	1.37	2.09	.43	.20	.11	.47	.23	.20
Lumber and wood products	.37	.36	.38	.14	.12	.06	.94	.94	1.04
Logging	.03	.04	.03	.00	.00	.00	.11	.11	.08
Sawmill,planing and mill work	.22	.21	.26	.09	.08	.04	.63	.64	.69
Miscellaneous wood products	.11	.10	.08	.03	.03	.01	.19	.18	.25
Furniture and fixtures	.04	.03	.00	.19	.17	.17	1.19	1.09	1.16
Stone,clay,and glass products	2.68	2.40	1.23	.35	.30	.22	1.13	1.08	1.02
Glass and glass products	.34	.28	.11	.10	.08	.07	.31	.31	.33
Cement,concrete,plaster	1.35	1.19	.54	.11	.09	.06	.42	.38	.32
Structural clay products	.01	.01	.00	.01	.01	.00	.08	.06	.03
Pottery and related products	.08	.07	.05	.00	.00	.00	.04	.04	.04
Miscellaneous nonmetallic,stone	.88	.83	.51	.11	.10	.07	.27	.27	.28
Primary metal industries	10.34	8.83	7.68	.92	.68	.54	3.70	2.99	2.90
Blast furnaces,steel works	5.83	4.30	2.57	.53	.36	.25	1.76	1.32	1.27
Other primary steel	1.61	1.34	.82	.17	.13	.11	1.05	.90	.96
Primary aluminum	1.15	1.37	1.70	.09	.08	.07	.39	.36	.30
Other primary nonferrous	1.73	1.81	2.57	.11	.10	.10	.49	.40	.35
Fabricated metal products	2.38	2.65	3.44	1.00	.93	.88	3.18	2.90	2.97
Cutlery and other hardware	.24	.25	.18	.08	.08	.08	.30	.32	.41
Fabricated structural metal	.53	.57	.61	.39	.36	.33	1.11	1.05	1.30
Screw machine products	.65	.72	.92	.09	.08	.07	.28	.25	.21
Metal stamping	.17	.20	.35	.10	.09	.09	.56	.47	.42
Miscellaneous fabricated metal	.77	.90	1.35	.33	.31	.29	.90	.79	.62
Machinery except electrical	.63	.75	1.34	1.72	1.70	1.91	4.49	4.26	4.17
Engines and turbines	.01	.01	.00	.12	.12	.11	.23	.23	.19
Farm machinery and equipment	.07	.07	.05	.10	.09	.07	.25	.25	.26
Construction machines	.02	.02	.00	.32	.35	.38	.60	.64	.64
Metalworking machinery	.07	.07	.08	.19	.18	.21	1.01	.90	.89
Office and accounting machines	.16	.12	.14	.11	.07	.04	.17	.10	.08
Electronic computing equipment	.01	.01	.00	.22	.25	.40	.18	.21	.30
Other machinery,exc electrical	.27	.42	1.06	.64	.62	.66	2.01	1.90	1.77
Electrical machinery	1.16	1.42	2.61	2.03	1.77	1.50	2.50	2.12	2.07
Household appliances	.06	.08	.21	.12	.09	.08	.29	.24	.23
Radio, tv communications equip	.15	.20	.46	.96	.76	.39	.94	.70	.61
Other electrical machinery	.93	1.13	1.93	.93	.91	1.02	1.27	1.17	1.22
Transportation equipment	.94	1.06	1.10	1.97	1.50	.89	4.88	4.30	4.40
Motor vehicles and equipment	.59	.64	.58	.71	.69	.44	1.60	1.55	1.62
Aircraft and parts	.16	.16	.21	.94	.53	.17	1.51	1.15	1.02
Ship,boat building and repair	.12	.15	.17	.24	.18	.16	1.26	1.07	1.02
Railroad equipment	.03	.04	.05	.03	.04	.03	.13	.13	.10
Mobile dwellings	.00	.00	.00	.02	.02	.04	.32	.33	.55
Cycles,misc transportation	.03	.05	.08	.01	.02	.03	.04	.06	.07
Professional,scientific instrs	.54	.62	.82	.52	.51	.51	.73	.75	.75
Scientific instruments	.20	.24	.34	.21	.19	.15	.25	.23	.18
Optical,health serv supplies	.07	.12	.30	.11	.14	.16	.24	.29	.29
Photo equipment and supplies	.25	.24	.17	.16	.15	.17	.17	.17	.20
Watches and clock devices	.01	.01	.00	.02	.02	.01	.06	.05	.06
Miscellaneous manufacturing	.85	.77	.53	.28	.23	.19	.73	.65	.65
Nondurable goods	43.38	36.95	26.90	5.90	4.77	3.56	12.65	11.28	10.86

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Weighers			Misc clerical workers			Crafts and kindred workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	25.69	21.25	11.67	.64	.49	.37	2.49	2.10	1.95
Meat	11.68	10.24	6.13	.08	.07	.06	.23	.22	.21
Dairy	1.18	.75	.33	.07	.04	.02	.23	.16	.10
Canning and preserving	6.06	4.92	2.54	.11	.09	.07	.34	.34	.41
Grain mill	1.82	1.52	.75	.08	.06	.05	.24	.23	.24
Bakery	1.63	1.24	.72	.06	.04	.02	.74	.54	.41
Confectionery	.77	.55	.24	.02	.02	.01	.07	.06	.06
Beverages	.33	.26	.16	.10	.07	.05	.35	.28	.24
Miscellaneous food preparation	2.19	1.73	.78	.08	.06	.05	.27	.24	.23
Tobacco manufacturing	.76	.51	.26	.07	.04	.03	.11	.08	.07
Textile mill products	4.38	3.60	3.07	.38	.29	.29	1.22	1.04	1.17
Knitting mills	.66	.58	.61	.08	.06	.07	.25	.24	.31
Dyeing,finishing textiles	.60	.47	.26	.02	.02	.01	.10	.09	.10
Floor coverings	.59	.51	.46	.04	.03	.04	.06	.06	.11
Yarn and fabric mills	2.24	1.80	1.55	.18	.13	.12	.69	.55	.53
Miscellaneous textile mill	.28	.22	.17	.04	.03	.03	.09	.08	.11
Apparel and textile products	.56	.49	.32	.57	.46	.39	.93	.84	.82
Apparel and accessories	.36	.28	.13	.48	.39	.32	.77	.66	.62
Miscellaneous fabricated textile	.20	.20	.18	.08	.07	.07	.15	.17	.20
Paper and allied products	2.83	2.20	1.41	.52	.39	.33	1.23	1.08	1.17
Pulp,paper paperboard mills	2.35	1.80	1.12	.21	.15	.11	.55	.44	.42
Paperboard containers,boxes	.23	.18	.13	.15	.11	.10	.35	.30	.37
Miscellaneous paper and pulp	.23	.22	.15	.14	.12	.11	.31	.32	.37
Printing and publishing	.52	.52	.58	1.99	1.63	.98	3.38	3.07	2.63
Newspaper publishing, printing	.05	.09	.26	.77	.66	.28	.91	.83	.73
Other printing,exc newspapers	.46	.42	.31	1.21	.97	.70	2.47	2.24	1.90
Chemicals and allied products	6.26	6.07	8.29	.91	.77	.72	1.68	1.48	1.65
Industrial chemicals	1.72	1.82	2.96	.28	.23	.16	.72	.63	.67
Plastics and synthetics	.46	.43	.63	.07	.05	.05	.19	.15	.16
Synthetic fibers	.64	.55	.43	.06	.05	.06	.21	.20	.31
Drugs and medicines	.62	.62	.35	.18	.18	.18	.12	.13	.13
Soaps and cosmetics	.61	.66	1.07	.14	.12	.14	.11	.10	.10
Paints and varnishes	.16	.16	.23	.06	.05	.05	.06	.05	.07
Agricultural chemicals	.65	.71	.76	.03	.02	.01	.08	.08	.07
Miscellaneous chemicals	1.37	1.08	1.84	.06	.04	.05	.16	.10	.09
Petroleum and coal products	.21	.20	.10	.32	.26	.16	.36	.34	.26
Petroleum refining	.13	.12	.05	.28	.23	.12	.31	.28	.19
Misc petroleum,coal products	.08	.08	.04	.03	.03	.03	.05	.05	.06
Rubber,miscellaneous plastics	1.90	1.91	1.07	.33	.30	.21	.81	.94	.94
Rubber	1.00	.83	.55	.18	.13	.08	.35	.32	.38
Miscellaneous plastics	.89	1.08	.52	.14	.17	.13	.45	.61	.55
Leather products	.23	.17	.09	.15	.09	.06	.40	.26	.18
Leather tanning and finishing	.13	.09	.03	.00	.00	.00	.02	.02	.01
Footwear, except rubber	.04	.03	.02	.11	.07	.04	.29	.17	.11
All other leather	.06	.04	.03	.02	.01	.01	.07	.06	.05
Transportation, other public util	3.93	3.97	4.06	14.06	12.46	9.14	10.45	9.83	8.98
Transportation,total	3.15	3.23	3.61	4.18	3.47	1.86	3.80	3.34	2.87
Railroads and railway express	.62	.40	.13	1.65	.98	.30	1.80	1.33	.92
Local and interurban transit	.00	.00	.00	.24	.19	.15	.26	.20	.29
Street railways and bus lines	.00	.00	.00	.18	.12	.10	.24	.18	.27
Taxicab service	.00	.00	.00	.06	.06	.04	.01	.02	.02
Trucking and warehousing	1.10	.98	.57	1.02	1.02	.38	.79	.84	.68
Trucking services	.42	.37	.24	.92	.94	.33	.72	.78	.63
Warehousing and storage	.68	.60	.32	.10	.08	.05	.06	.06	.05
Water transportation	.40	.34	.10	.25	.21	.12	.22	.20	.17
Air transportation	.15	.16	.20	.53	.49	.27	.62	.63	.66
Pipelines	.00	.00	.00	.04	.03	.02	.04	.04	.03
Transportation services	.86	1.32	2.59	.41	.52	.60	.05	.06	.09
Communicatns,utils,sanitary serv	.77	.74	.45	9.88	8.99	7.28	6.64	6.49	6.11
Communications	.00	.00	.00	8.15	7.48	6.09	3.07	2.83	2.73
Telephone(wire and radio)	.00	.00	.00	7.73	7.05	5.69	2.92	2.67	2.58
Telegraph,misc communicatn serv	.00	.00	.00	.13	.14	.12	.10	.11	.09
radio and tv broadcasting	.00	.00	.00	.28	.28	.27	.04	.04	.06
Utilities and sanitary services	.77	.74	.45	1.73	1.50	1.18	3.57	3.65	3.37
Electric light and power	.00	.00	.00	.64	.62	.46	1.42	1.62	1.29
Electric-gas utilities	.00	.00	.00	.51	.40	.32	.73	.65	.62
Gas steam supply systems	.00	.00	.00	.41	.32	.24	.56	.49	.44
Water supply	.00	.00	.00	.11	.10	.09	.50	.50	.57
Sanitary services	.77	.74	.45	.04	.04	.04	.33	.36	.42
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.01
Wholesale and retail trade	17.02	21.34	25.34	19.78	20.06	20.33	14.26	15.01	15.47
Wholesale trade	9.47	11.23	9.05	7.29	7.06	6.48	4.21	4.50	4.31

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Weighers			Misc clerical workers			Crafts and kindred workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	7.05	8.10	4.73	5.05	5.03	4.67	3.04	3.35	3.22
Motor vehicles and equipment	.10	.11	.08	.60	.63	.64	.44	.47	.49
Drugs,chemicals,allied product	.40	.35	.15	.72	.64	.54	.10	.10	.10
Dry goods and apparel	.10	.10	.11	.33	.28	.26	.06	.06	.06
Food and related products	3.40	3.44	2.46	.68	.60	.45	.40	.41	.39
Farm products-raw materials	2.81	3.81	1.66	.14	.16	.07	.06	.08	.04
Electrical goods	.00	.00	.00	.83	.82	.92	.35	.34	.33
Hardware and plumbing	.00	.00	.00	.55	.53	.45	.14	.15	.13
Machinery equipment,supplies	.21	.26	.24	1.17	1.34	1.31	1.45	1.70	1.65
Miscellaneous wholesale trade	2.42	3.12	4.31	2.23	2.02	1.81	1.17	1.15	1.08
Metals and minerals, other	.50	.57	.93	.30	.25	.22	.17	.14	.14
Petroleum products	.03	.05	.11	.48	.41	.27	.18	.20	.18
Scrap and waste material	.98	1.38	1.41	.03	.03	.02	.13	.15	.11
Alcoholic beverages	.03	.06	.12	.08	.09	.07	.03	.04	.03
Paper and paper products	.10	.11	.23	.25	.20	.20	.08	.06	.06
Lumber,construction materials	.26	.30	.48	.16	.13	.10	.21	.19	.19
Other wholesale trade	.48	.62	1.01	.91	.88	.89	.34	.34	.34
Retail trade	7.55	10.11	16.28	12.49	13.00	13.84	10.05	10.51	11.15
Building materials	.35	.40	.28	.31	.29	.22	1.15	1.21	1.08
Lumber,building material	.30	.36	.22	.21	.21	.14	.67	.76	.63
Hardware and farm equipment	.04	.04	.06	.10	.08	.08	.47	.44	.44
General merchandise,total	.27	.34	.73	8.07	8.21	9.57	.97	1.11	1.47
Department stores,mail order	.20	.29	.67	6.99	7.36	8.70	.63	.79	1.01
Limited price stores	.00	.00	.00	.43	.33	.26	.05	.04	.04
Vending machine operators	.00	.00	.00	.03	.03	.04	.16	.16	.25
Direct selling	.06	.05	.06	.11	.09	.08	.02	.02	.02
Miscellaneous merchadise store	.00	.00	.00	.49	.39	.47	.09	.08	.13
Food and dairy stores	6.08	8.23	13.77	.84	.92	1.04	.62	.62	.49
Grocery stores	5.64	7.58	13.10	.78	.85	.97	.24	.24	.19
Dairy products	.02	.03	.03	.00	.01	.00	.01	.01	.01
Retail bakeries	.13	.19	.21	.02	.02	.02	.34	.33	.25
Food stores,cther	.28	.42	.41	.03	.03	.03	.01	.02	.02
Auto dealers,gas stations	.05	.06	.09	.56	.64	.40	4.49	4.37	4.78
Motor vehicle dealers	.00	.00	.00	.30	.32	.15	2.90	2.76	2.94
Tire,battery,accessory dealers	.02	.04	.09	.10	.15	.14	.24	.32	.45
Gasoline service stations	.03	.02	.00	.12	.12	.07	1.16	1.01	1.03
Miscellaneous vehicle dealers	.00	.00	.00	.02	.03	.03	.18	.27	.35
Apparel and accessory stores	.00	.00	.00	1.04	1.07	.87	.29	.31	.28
Apparel,accessory,except shoes	.00	.00	.00	.98	1.01	.81	.26	.28	.24
Shoe stores	.00	.00	.00	.06	.06	.05	.03	.03	.04
Furniture and appliance stores	.02	.04	.07	.49	.47	.38	1.24	1.24	1.14
Home furnishings	.00	.00	.00	.30	.27	.22	.75	.72	.68
Household appliances,tv,radio	.02	.04	.07	.19	.19	.16	.49	.52	.46
Eating and drinking places	.05	.06	.00	.21	.34	.26	.16	.29	.31
Miscellaneous retail trade	.71	.95	1.32	.93	1.02	1.07	1.10	1.32	1.58
Drug stores	.00	.00	.00	.19	.17	.16	.03	.03	.04
Liquor stores	.00	.00	.00	.01	.01	.01	.00	.01	.01
Farm,garden supply stores	.38	.61	.87	.04	.06	.05	.06	.09	.10
Jewelry stores	.00	.00	.00	.12	.13	.08	.17	.19	.18
Fuel and ice dealers	.19	.13	.04	.11	.07	.04	.16	.15	.12
Retail florists	.00	.00	.00	.03	.04	.02	.26	.34	.43
Misc retail trade stores	.12	.20	.40	.40	.52	.67	.38	.49	.66
Finance,insurance and real estate	.03	.03	.00	12.95	12.12	13.64	.63	.66	.64
Finance,total	.03	.03	.00	7.66	7.77	10.42	.10	.08	.06
Banking	.03	.03	.00	5.16	5.15	7.37	.06	.04	.03
Credit agencies	.00	.00	.00	1.61	1.83	2.66	.02	.02	.01
Stock brokers,investment cos	.00	.00	.00	.88	.78	.38	.02	.02	.02
Insurance	.00	.00	.00	4.52	3.58	2.72	.12	.10	.09
Real estate	.00	.00	.00	.76	.77	.49	.40	.46	.47
Services, total	2.12	3.71	5.48	24.11	28.60	34.12	9.55	11.26	12.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Weighers			Misc clerical workers			Crafts and kindred workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.27	.36	.34	.23	.28	.30
Hotels and motels	.00	.00	.00	.22	.30	.29	.20	.24	.26
Other lodging places	.00	.00	.00	.05	.05	.05	.03	.03	.04
Other personal services	.90	1.57	1.47	.67	.78	.60	.48	.37	.26
Laundering and cleaning	.21	.15	.13	.38	.22	.13	.27	.17	.10
Beauty shops	.00	.00	.00	.01	.06	.06	.00	.00	.00
Shoe repair shops	.00	.00	.00	.00	.01	.00	.19	.14	.11
Misc personal services	.68	1.42	1.34	.26	.47	.39	.02	.04	.04
Miscellaneous business services	.82	1.46	2.88	5.23	7.24	9.63	1.02	1.33	1.58
Advertising	.00	.00	.00	.27	.21	.09	.07	.06	.04
Business management services	.00	.00	.00	.50	.64	1.02	.08	.10	.09
Commercial research,development	.03	.05	.10	.10	.13	.23	.06	.08	.12
Computer programing	.00	.00	.00	.14	.17	.27	.10	.14	.28
Detective and protective serv	.00	.00	.00	.31	.50	.61	.08	.14	.16
Employment,temporary help	.00	.00	.00	.52	.85	1.53	.00	.00	.00
Services to buildings	.00	.00	.00	.04	.06	.14	.09	.10	.16
Other business services	.78	1.40	2.77	3.33	4.65	5.70	.51	.67	.71
Automobile services	.00	.00	.00	.21	.24	.23	2.69	3.43	3.43
Automobile repair	.00	.00	.00	.06	.08	.04	2.51	3.25	3.20
Automobile services,exc repair	.00	.00	.00	.15	.16	.18	.17	.18	.23
Other repair services	.00	.00	.00	.27	.28	.31	1.85	2.12	2.04
Electrical repair	.00	.00	.00	.16	.13	.17	.90	.80	.94
Other repair,exc electrical	.00	.00	.00	.10	.14	.13	.94	1.31	1.09
Motion pictures and theaters	.00	.00	.00	.11	.07	.06	.20	.12	.12
Miscellaneous entertainment	.07	.16	.31	.24	.37	.31	.23	.37	.36
Bowling alleys,billards	.00	.00	.00	.06	.07	.02	.09	.11	.07
Other entertainment	.07	.16	.31	.17	.29	.28	.14	.26	.29
Medical and other health service	.12	.31	.70	9.34	10.37	13.61	1.05	1.35	2.28
Offices of physicians	.00	.00	.00	.74	.89	1.12	.01	.01	.01
Offices of dentists	.00	.00	.00	.07	.11	.13	.06	.05	.10
Offices of chiropractors	.00	.00	.00	.01	.06	.01	.00	.00	.00
Hospitals	.08	.08	.00	8.03	8.51	11.33	.65	.79	1.45
Convalescent institutions	.00	.00	.00	.10	.16	.57	.04	.06	.22
Other health practitioners	.00	.00	.00	.05	.09	.14	.01	.02	.03
Other health services	.03	.23	.70	.31	.52	.28	.26	.40	.44
Legal services	.00	.00	.00	.19	.19	.09	.00	.00	.00
Educational services	.16	.13	.00	4.46	5.34	5.09	1.06	1.12	.92
Elementary and secondary school	.00	.00	.00	1.27	1.76	1.50	.50	.58	.43
Colleges and universities	.16	.13	.00	2.71	2.98	2.78	.48	.46	.41
Libraries	.00	.00	.00	.06	.06	.06	.00	.00	.00
Other educational services	.00	.00	.00	.41	.53	.75	.05	.06	.07
Museums,art galleries,zoos	.00	.00	.00	.03	.05	.08	.01	.02	.01
Nonprofit organizations	.00	.00	.00	2.17	2.26	2.88	.24	.27	.33
Religious organizations	.00	.00	.00	.41	.48	.44	.05	.05	.04
Welfare services	.00	.00	.00	1.08	1.05	1.58	.05	.04	.05
Residential welfare services	.00	.00	.00	.01	.03	.09	.00	.01	.02
Nonprofit membership organiztns	.00	.00	.00	.65	.70	.77	.13	.16	.22
Private households	.00	.00	.00	.04	.07	.02	.24	.17	.11
Other professional services	.03	.04	.10	.82	.93	.80	.19	.26	.23
Engineering and architectural	.00	.00	.00	.24	.28	.17	.10	.15	.14
Accounting and auditing	.00	.00	.00	.30	.35	.26	.02	.03	.02
Miscellaneous professional serv	.03	.04	.10	.27	.30	.36	.05	.07	.06
Government,total	3.05	3.56	4.22	11.84	11.93	10.39	2.75	2.65	2.43
Federal public administration	.32	.32	.42	4.79	3.91	1.44	1.83	1.57	1.16
Postal services	.00	.00	.00	.10	.13	.13	.09	.11	.15
Federal pub adm,exc post office	.32	.32	.42	4.69	3.78	1.30	1.73	1.45	1.01
State public administration	1.95	2.30	2.92	2.29	2.70	2.96	.27	.33	.32
Local public administration	.77	.93	.87	4.74	5.31	5.98	.65	.75	.95

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Constructn crafts workers			Carpenters and apprentices			Brick, stonemasns, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.42	.57	.52	.51	.67	.59	.11	.35	.20
Agriculture	.36	.50	.47	.45	.59	.49	.11	.35	.20
Agricultural production	.22	.34	.29	.40	.54	.45	.09	.32	.19
Services,except horticulture	.04	.03	.04	.03	.03	.03	.00	.00	.00
Horticultural services	.09	.12	.14	.01	.01	.00	.02	.02	.01
Forestry	.04	.04	.02	.03	.05	.05	.00	.00	.00
Fisheries	.01	.01	.01	.02	.03	.05	.00	.00	.00
Mining	1.53	1.66	2.05	.85	1.00	1.22	.37	.34	.21
Metal	.29	.25	.29	.14	.13	.16	.09	.06	.02
Coal	.62	.79	1.15	.57	.72	.92	.19	.20	.16
Crude petroleum and natural gas	.19	.27	.30	.05	.07	.08	.02	.02	.00
Nonmetallic mining and quarrying	.41	.35	.30	.08	.07	.05	.06	.05	.02
Construction	66.58	69.19	69.44	72.03	73.88	75.31	85.63	88.28	91.09
General building contractors	17.62	17.96	19.21	41.45	41.47	44.41	24.61	24.20	29.52
General contractors,exc building	9.92	8.97	10.03	3.19	3.04	3.62	2.11	2.21	3.12
Special trade contractors	39.04	42.25	40.19	27.39	29.35	27.27	58.91	61.86	58.44
Manufacturing	15.64	13.08	12.47	11.48	10.25	10.01	9.69	6.89	4.53
Durable goods	12.17	10.24	9.54	9.64	8.76	8.59	8.74	6.17	4.04
Ordnance	.21	.09	.06	.17	.07	.04	.04	.02	.02
Lumber and wood products	.89	.83	.79	1.40	1.29	1.19	.06	.04	.02
Logging	.18	.17	.12	.03	.04	.02	.01	.01	.00
Sawmill,planing and mill work	.55	.51	.50	1.06	.98	.88	.04	.03	.02
Miscellaneous wood products	.15	.14	.16	.30	.27	.28	.00	.00	.00
Furniture and fixtures	.58	.56	.60	1.40	1.35	1.64	.01	.02	.04
Stone,clay,and glass products	.75	.61	.52	.37	.35	.36	1.49	.96	.28
Glass and glass products	.13	.12	.12	.08	.08	.08	.21	.13	.04
Cement,concrete,plaster	.39	.31	.25	.18	.17	.17	.52	.32	.05
Structural clay products	.07	.04	.02	.02	.02	.01	.39	.22	.05
Pottery and related products	.01	.01	.01	.01	.01	.01	.06	.04	.01
Miscellaneous nonmetallic,stone	.12	.11	.11	.06	.06	.07	.30	.23	.12
Primary metal industries	1.96	1.43	1.23	.63	.47	.35	5.27	3.47	2.06
Blast furnaces,steel works	1.12	.78	.69	.31	.23	.21	3.65	2.35	1.38
Other primary steel	.38	.30	.28	.13	.12	.09	1.06	.61	.14
Primary aluminum	.19	.16	.12	.09	.06	.02	.30	.29	.31
Other primary nonferrous	.24	.18	.12	.09	.05	.01	.25	.21	.22
Fabricated metal products	1.41	1.12	1.05	.49	.44	.47	.98	.84	.75
Cutlery and other hardware	.06	.06	.05	.04	.04	.04	.02	.01	.00
Fabricated structural metal	.84	.66	.68	.27	.28	.39	.26	.18	.07
Screw machine products	.02	.02	.01	.00	.00	.00	.01	.01	.00
Metal stamping	.16	.12	.10	.08	.05	.01	.09	.07	.09
Miscellaneous fabricated metal	.31	.25	.19	.08	.05	.01	.59	.54	.58
Machinery except electrical	1.10	.96	.79	.52	.40	.19	.32	.33	.45
Engines and turbines	.08	.07	.05	.05	.03	.01	.04	.04	.03
Farm machinery and equipment	.09	.08	.07	.04	.04	.05	.01	.00	.00
Construction machines	.23	.21	.20	.09	.08	.03	.01	.01	.01
Metalworking machinery	.14	.12	.09	.06	.04	.01	.01	.02	.04
Office and accounting machines	.01	.01	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.03	.02	.02	.02	.01	.01	.00	.00	.00
Other machinery,exc electrical	.49	.41	.32	.23	.17	.06	.23	.24	.35
Electrical machinery	.91	.73	.63	.33	.22	.10	.15	.14	.14
Household appliances	.11	.08	.07	.04	.03	.03	.03	.03	.04
Radio, tv communications equip	.25	.17	.15	.10	.06	.03	.04	.03	.03
Other electrical machinery	.54	.47	.40	.18	.13	.04	.08	.07	.06
Transportation equipment	3.91	3.50	3.48	3.95	3.82	3.87	.32	.26	.17
Motor vehicles and equipment	.73	.74	.74	.21	.22	.25	.18	.14	.05
Aircraft and parts	.58	.42	.32	.18	.13	.08	.06	.03	.00
Ship,boat building and repair	1.80	1.57	1.39	2.20	2.20	1.97	.06	.07	.11
Railroad equipment	.11	.10	.07	.06	.05	.03	.01	.01	.01
Mobile dwellings	.63	.61	.90	1.22	1.15	1.50	.00	.00	.00
Cycles,misc transportation	.03	.04	.03	.05	.05	.02	.00	.00	.00
Professional,scientific instrs	.19	.17	.16	.10	.08	.04	.00	.00	.00
Scientific instruments	.07	.06	.04	.03	.02	.00	.00	.00	.00
Optical,health serv supplies	.03	.03	.03	.02	.02	.00	.00	.00	.00
Photo equipment and supplies	.07	.07	.09	.03	.03	.02	.00	.00	.00
Miscellaneous manufacturing	.23	.20	.19	.24	.23	.29	.05	.05	.06
Nondurable goods	3.46	2.83	2.92	1.83	1.49	1.41	.94	.72	.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Constructn crafts workers			Carpenters and apprentices			Brick, stonemasns, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.65	.52	.50	.38	.32	.32	.18	.12	.03
Meat	.09	.08	.07	.07	.07	.08	.04	.03	.00
Dairy	.03	.02	.01	.02	.01	.00	.01	.01	.00
Canning and preserving	.11	.10	.11	.07	.06	.08	.01	.00	.00
Grain mill	.07	.06	.06	.03	.02	.03	.03	.01	.00
Bakery	.04	.03	.03	.02	.01	.01	.02	.02	.01
Confectionery	.02	.01	.02	.01	.01	.01	.00	.00	.00
Beverages	.11	.09	.09	.06	.04	.04	.00	.00	.00
Miscellaneous food preparation	.14	.10	.08	.07	.05	.04	.05	.03	.00
Tobacco manufacturing	.03	.02	.01	.03	.02	.01	.00	.00	.00
Textile mill products	.28	.22	.25	.22	.16	.17	.05	.04	.03
Knitting mills	.02	.02	.02	.01	.01	.01	.00	.00	.00
Dyeing, finishing textiles	.03	.03	.02	.03	.02	.03	.01	.00	.00
Floor coverings	.02	.02	.04	.01	.01	.03	.01	.01	.00
Yarn and fabric mills	.17	.13	.13	.13	.09	.06	.02	.02	.03
Miscellaneous textile mill	.02	.02	.02	.02	.02	.03	.00	.00	.00
Apparel and textile products	.07	.07	.08	.08	.07	.11	.03	.02	.00
Apparel and accessories	.04	.04	.04	.04	.04	.06	.03	.02	.00
Miscellaneous fabricated textile	.02	.03	.04	.03	.03	.04	.00	.00	.00
Paper and allied products	.53	.40	.40	.20	.15	.13	.14	.10	.06
Pulp, paper paperboard mills	.39	.29	.27	.14	.10	.08	.13	.09	.06
Paperboard containers, boxes	.06	.05	.07	.03	.03	.04	.00	.00	.00
Miscellaneous paper and pulp	.06	.05	.05	.02	.02	.01	.01	.00	.00
Printing and publishing	.14	.12	.13	.07	.06	.07	.05	.05	.05
Newspaper publishing, printing	.04	.04	.05	.02	.02	.02	.03	.04	.05
Other printing, exc newspapers	.09	.08	.08	.05	.04	.05	.02	.01	.00
Chemicals and allied products	1.12	.91	1.08	.51	.39	.35	.33	.26	.25
Industrial chemicals	.57	.48	.60	.26	.21	.21	.24	.20	.19
Plastics and synthetics	.10	.07	.07	.04	.02	.00	.01	.00	.00
Synthetic fibers	.11	.09	.15	.04	.03	.04	.00	.00	.00
Drugs and medicines	.06	.06	.05	.03	.04	.03	.02	.01	.00
Soaps and cosmetics	.06	.05	.05	.02	.02	.01	.00	.00	.00
Paints and varnishes	.03	.03	.04	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.06	.06	.05	.02	.02	.02	.01	.01	.01
Miscellaneous chemicals	.09	.05	.04	.06	.02	.00	.03	.02	.03
Petroleum and coal products	.30	.25	.18	.14	.11	.07	.08	.06	.01
Petroleum refining	.26	.22	.15	.12	.10	.05	.06	.05	.01
Misc petroleum, coal products	.03	.03	.03	.01	.01	.02	.01	.01	.00
Rubber, miscellaneous plastics	.29	.28	.24	.13	.14	.14	.04	.04	.02
Rubber	.18	.14	.16	.05	.04	.05	.02	.02	.02
Miscellaneous plastics	.11	.13	.07	.08	.09	.08	.02	.02	.00
Leather products	.03	.01	.01	.03	.02	.01	.00	.00	.00
Footwear, except rubber	.01	.01	.00	.02	.01	.00	.00	.00	.00
Transportation, other public util	3.43	3.10	2.86	1.45	1.32	1.10	.52	.43	.30
Transportation, total	1.26	.95	.71	1.02	.78	.57	.14	.09	.05
Railroads and railway express	.67	.42	.23	.51	.32	.17	.07	.04	.03
Local and interurban transit	.08	.06	.10	.03	.02	.04	.03	.02	.02
Street railways and bus lines	.08	.06	.10	.03	.02	.04	.03	.02	.02
Trucking and warehousing	.11	.10	.07	.08	.08	.08	.01	.01	.00
Trucking services	.08	.08	.06	.06	.07	.07	.01	.01	.00
Warehousing and storage	.02	.02	.01	.02	.01	.01	.00	.00	.00
Water transportation	.21	.18	.12	.30	.26	.18	.01	.00	.00
Air transportation	.12	.11	.09	.03	.03	.04	.00	.00	.00
Pipelines	.02	.01	.01	.00	.00	.00	.00	.00	.00
Transportation services	.03	.04	.05	.03	.04	.05	.00	.00	.00
Communicatns, utils, sanitary serv	2.16	2.15	2.14	.43	.53	.52	.38	.34	.24
Communications	.15	.16	.22	.06	.07	.12	.00	.00	.00
Telephone (wire and radio)	.11	.12	.16	.02	.02	.04	.00	.00	.00
Radio and tv broadcasting	.02	.03	.04	.03	.04	.07	.00	.00	.00
Utilities and sanitary services	2.01	1.99	1.92	.36	.46	.40	.38	.34	.24
Electric light and power	.78	.94	.75	.18	.28	.16	.09	.11	.10
Electric-gas utilities	.40	.34	.38	.08	.08	.11	.01	.01	.02
Gas steam supply systems	.29	.23	.25	.03	.02	.02	.04	.02	.00
Water supply	.26	.24	.32	.04	.04	.05	.09	.08	.04
Sanitary services	.25	.20	.18	.02	.02	.03	.13	.10	.06
Other utilities	.01	.01	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	3.68	3.53	3.07	4.24	4.20	3.33	1.06	1.04	1.02
Wholesale trade	1.18	1.10	1.02	.95	.84	.63	.36	.33	.25

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Constructn crafts workers			Carpenters and apprentices			Brick, stonemasns, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.69	.67	.58	.39	.39	.36	.14	.14	.08
Motor vehicles and equipment	.05	.05	.06	.03	.04	.05	.01	.01	.00
Drugs,chemicals,allied product	.05	.04	.03	.03	.02	.02	.01	.01	.00
Dry goods and apparel	.01	.01	.01	.01	.00	.01	.00	.00	.00
Food and related products	.07	.06	.05	.06	.06	.06	.03	.03	.02
Farm products-raw materials	.02	.02	.00	.02	.02	.01	.01	.01	.00
Electrical goods	.15	.14	.11	.03	.03	.02	.00	.00	.00
Hardware and plumbing	.09	.08	.07	.04	.04	.02	.00	.00	.00
Machinery equipment,supplies	.22	.24	.22	.13	.15	.15	.05	.05	.04
Miscellaneous wholesale trade	.49	.42	.43	.56	.44	.26	.22	.18	.16
Metals and minerals, other	.07	.05	.06	.02	.01	.00	.05	.04	.03
Petroleum prducts	.05	.05	.05	.02	.02	.03	.02	.02	.00
Scrap and waste material	.02	.02	.03	.01	.01	.00	.00	.00	.00
Paper and paper products	.01	.01	.00	.01	.00	.00	.00	.00	.00
Lumber,construction materials	.20	.16	.15	.35	.26	.13	.13	.11	.12
Other wholesale trade	.11	.10	.11	.12	.10	.08	.00	.00	.00
Retail trade	2.49	2.43	2.05	3.29	3.35	2.69	.70	.71	.76
Building materials	1.16	1.17	.97	1.59	1.75	1.57	.26	.20	.04
Lumber,building material	1.07	1.10	.92	1.53	1.70	1.52	.24	.18	.04
Hardware and farm equipment	.09	.07	.05	.06	.05	.05	.02	.01	.00
General merchandise,total	.25	.23	.22	.43	.36	.22	.01	.00	.00
Department stores,mail order	.19	.18	.16	.31	.27	.15	.00	.00	.00
Limited price stores	.01	.01	.01	.03	.02	.01	.01	.00	.00
Direct selling	.01	.00	.01	.01	.01	.01	.00	.00	.00
Miscellaneous merchadise store	.03	.02	.03	.07	.04	.03	.00	.00	.00
Food and dairy stores	.09	.08	.07	.17	.12	.04	.04	.03	.00
Grocery stores	.08	.07	.06	.15	.11	.03	.03	.02	.00
Auto dealers,gas stations	.17	.19	.15	.26	.27	.18	.04	.04	.07
Motor vehicle dealers	.06	.06	.04	.03	.02	.00	.01	.00	.00
Tire,battery,accessory dealrs	.01	.01	.01	.01	.01	.00	.01	.02	.07
Gasoline service stations	.03	.03	.02	.03	.02	.01	.01	.01	.00
Miscellaneous vehicle dealers	.07	.08	.06	.18	.20	.14	.00	.00	.00
Apparel and accessory stores	.02	.02	.04	.04	.05	.09	.00	.00	.00
Apparel,accessory,except shoes	.02	.02	.02	.03	.04	.06	.00	.00	.00
Shoe stores	.00	.00	.01	.00	.01	.02	.00	.00	.00
Furniture and appliance stores	.51	.39	.24	.43	.37	.28	.02	.01	.00
Home furnishings	.41	.29	.17	.41	.35	.26	.02	.01	.00
Household appliances,tv,radio	.09	.09	.06	.02	.02	.01	.00	.00	.00
Eating and drinking places	.07	.12	.12	.12	.18	.15	.03	.03	.00
Miscellaneous retail trade	.18	.20	.21	.21	.21	.14	.27	.37	.64
Drug stores	.01	.01	.00	.02	.01	.01	.00	.00	.00
Liquor stores	.00	.00	.00	.00	.00	.01	.00	.00	.00
Farm,garden supply stores	.04	.04	.05	.03	.03	.01	.00	.00	.00
Fuel and ice dealers	.04	.03	.02	.01	.01	.01	.00	.00	.00
Retail florists	.00	.00	.00	.00	.00	.01	.00	.00	.00
Misc retail trade stores	.08	.09	.11	.12	.13	.08	.25	.35	.63
Finance,insurance and real estate	1.01	1.09	1.08	1.23	1.31	1.24	.33	.37	.47
Finance,total	.06	.05	.04	.09	.07	.04	.00	.00	.00
Banking	.04	.03	.02	.05	.04	.02	.00	.00	.00
Credit agencies	.01	.01	.00	.02	.01	.00	.00	.00	.00
Stock brokers,investment cos	.01	.01	.01	.01	.01	.01	.00	.00	.00
Insurance	.05	.04	.03	.06	.05	.05	.00	.00	.00
Real estate	.89	1.00	.99	1.06	1.18	1.14	.32	.37	.47
Services, total	5.37	5.60	6.33	6.63	5.84	5.56	1.54	1.71	1.89

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Constructn crafts workers			Carpenters and apprentices			Brick, stonemasns, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.39	.44	.42	.44	.46	.41	.09	.12	.18
Hotels and motels	.32	.38	.35	.34	.37	.30	.08	.11	.17
Other lodging places	.06	.05	.07	.10	.09	.11	.01	.01	.01
Other personal services	.03	.04	.03	.04	.05	.04	.00	.00	.00
Laundering and cleaning	.02	.01	.01	.01	.01	.01	.00	.00	.00
Misc personal services	.01	.02	.02	.02	.03	.03	.00	.00	.00
Miscellaneous business services	.50	.54	.52	.35	.30	.13	.05	.06	.15
Advertising	.05	.04	.02	.06	.05	.03	.00	.00	.00
Business management services	.02	.02	.00	.02	.01	.00	.00	.00	.00
Commercial research,development	.04	.04	.04	.02	.02	.01	.00	.00	.00
Detective and protective serv	.04	.08	.13	.00	.00	.01	.00	.00	.00
Services to buildings	.10	.08	.05	.11	.07	.00	.02	.02	.10
Other business services	.22	.26	.25	.12	.13	.05	.02	.03	.03
Automobile services	.06	.09	.06	.01	.01	.00	.00	.00	.00
Automobile repair	.05	.08	.05	.01	.01	.00	.00	.00	.00
Automobile services,exc repair	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other repair services	.18	.20	.16	.09	.12	.07	.02	.03	.01
Electrical repair	.10	.08	.07	.01	.00	.00	.00	.00	.00
Other repair,exc electrical	.08	.12	.09	.08	.11	.06	.02	.03	.01
Motion pictures and theaters	.09	.06	.07	.13	.10	.15	.00	.00	.00
Miscellaneous entertainment	.15	.26	.31	.18	.34	.43	.03	.05	.04
Bowling alleys,billards	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other entertainment	.14	.26	.31	.17	.33	.43	.03	.05	.04
Medical and other health service	1.11	1.29	2.36	.98	1.16	2.00	.41	.37	.28
Offices of physicians	.00	.00	.00	.01	.00	.00	.00	.00	.00
Offices of dentists	.01	.00	.00	.03	.02	.01	.00	.00	.00
Offices of chiropractors	.00	.00	.00	.00	.01	.00	.00	.00	.00
Hospitals	1.00	1.14	2.00	.84	.98	1.77	.39	.33	.17
Convalescent institutions	.06	.09	.29	.06	.08	.18	.01	.01	.00
Other health services	.02	.04	.04	.02	.04	.02	.01	.03	.10
Legal services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Educational services	1.43	1.43	1.17	1.47	1.33	.71	.61	.70	.84
Elementary and secondary school	.66	.76	.60	.72	.77	.52	.24	.31	.31
Colleges and universities	.70	.61	.50	.68	.49	.14	.30	.31	.45
Other educational services	.05	.06	.07	.05	.06	.04	.06	.07	.07
Museums,art galleries,zoos	.02	.02	.02	.05	.05	.02	.00	.00	.00
Nonprofit organizations	.45	.50	.67	.60	.63	.68	.10	.11	.18
Religious organizations	.08	.08	.06	.13	.12	.04	.08	.09	.14
Welfare services	.04	.04	.04	.07	.06	.04	.01	.01	.04
Residential welfare services	.01	.01	.03	.01	.02	.01	.00	.00	.00
Nonprofit membership organiztns	.31	.36	.53	.38	.42	.58	.00	.00	.00
Private housechlds	.78	.51	.33	2.14	1.15	.81	.17	.18	.09
Other professional services	.11	.15	.15	.07	.08	.03	.03	.05	.09
Engineering and architectural	.07	.09	.10	.04	.05	.03	.02	.03	.07
Miscellaneous professional serv	.04	.05	.04	.03	.02	.00	.00	.01	.01
Government,total	2.31	2.13	2.16	1.54	1.49	1.59	.72	.55	.26
Federal public administration	1.29	.96	.66	.89	.63	.36	.25	.20	.20
Postal services	.02	.02	.01	.01	.01	.00	.00	.00	.00
Federal pub adm,exc post office	1.27	.93	.65	.88	.61	.35	.25	.20	.20
State public administration	.24	.28	.23	.22	.31	.27	.11	.10	.02
Local public administration	.77	.88	1.26	.42	.54	.96	.34	.25	.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bulldozer operators			Cement and concrete finishers			Electricians and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	3.69	4.00	3.44	.02	.03	.03	.07	.22	.22
Agriculture	3.29	3.68	3.37	.01	.02	.02	.06	.21	.21
Agricultural production	1.12	.89	.53	.00	.00	.00	.05	.20	.20
Services,except horticulture	.52	.51	.49	.00	.00	.00	.01	.00	.00
Horticultural services	1.63	2.27	2.34	.01	.02	.02	.00	.00	.00
Forestry	.32	.25	.06	.00	.00	.00	.00	.00	.00
Fisheries	.07	.07	.00	.00	.01	.01	.00	.00	.00
Mining	8.26	9.20	11.96	.04	.10	.22	2.17	2.53	2.85
Metal	1.39	1.23	1.48	.00	.00	.00	.56	.49	.51
Coal	3.74	4.86	7.72	.00	.00	.00	1.04	1.32	1.66
Crude petroleum and natural gas	.74	1.04	1.12	.04	.10	.20	.33	.49	.53
Nonmetallic mining and quarrying	2.37	2.07	1.63	.00	.00	.01	.23	.20	.14
Construction	50.56	54.10	55.06	92.78	93.13	91.84	42.01	47.53	49.19
General building contractors	4.18	4.77	5.62	23.02	21.44	22.97	1.49	1.59	2.13
General contractors,exc building	34.81	35.06	33.56	20.84	19.87	18.46	1.67	1.61	1.66
Special trade contractors	11.56	14.26	15.87	48.90	51.81	50.40	38.84	44.32	45.39
Manufacturing	20.47	16.59	14.53	4.26	3.67	4.06	32.96	27.55	26.12
Durable goods	14.58	12.23	10.70	3.75	3.30	3.77	24.46	20.37	18.61
Ordnance	.14	.05	.01	.00	.00	.00	.49	.21	.15
Lumber and wood products	5.84	5.53	4.78	.02	.01	.00	.53	.55	.83
Logging	2.87	2.92	1.96	.00	.00	.00	.00	.01	.01
Sawmill,planing and mill work	2.51	2.23	2.36	.02	.01	.00	.40	.41	.55
Miscellaneous wood products	.45	.37	.45	.00	.00	.00	.11	.12	.26
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.17	.16	.21
Stone,clay,and glass products	1.62	1.23	.76	3.41	3.05	3.49	1.17	1.06	.96
Glass and glass products	.24	.18	.09	.00	.00	.00	.38	.36	.41
Cement,concrete,plaster	.80	.57	.24	3.31	2.97	3.43	.44	.38	.27
Structural clay products	.23	.15	.08	.05	.03	.01	.05	.04	.03
Pottery and related products	.00	.00	.00	.00	.00	.00	.04	.03	.01
Miscellaneous nonmetallic,stone	.34	.32	.34	.04	.04	.05	.24	.23	.23
Primary metal industries	4.58	3.02	2.05	.22	.17	.20	4.94	3.88	3.60
Blast furnaces,steel works	3.41	2.08	1.12	.11	.07	.09	2.64	1.98	1.93
Other primary steel	.70	.48	.28	.02	.03	.09	.88	.77	.90
Primary aluminum	.11	.13	.18	.04	.03	.01	.62	.54	.46
Other primary nonferrous	.34	.32	.46	.03	.02	.00	.80	.57	.29
Fabricated metal products	.78	.75	.93	.00	.00	.00	1.91	1.64	1.37
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.14	.14	.15
Fabricated structural metal	.22	.16	.06	.00	.00	.00	.50	.52	.70
Screw machine products	.04	.04	.06	.00	.00	.00	.10	.07	.03
Metal stamping	.08	.09	.15	.00	.00	.00	.45	.36	.24
Miscellaneous fabricated metal	.42	.44	.65	.00	.00	.00	.69	.53	.24
Machinery except electrical	.82	.92	1.49	.00	.00	.00	3.03	2.58	1.59
Engines and turbines	.02	.04	.08	.00	.00	.00	.18	.16	.10
Farm machinery and equipment	.25	.21	.15	.00	.00	.00	.17	.16	.16
Construction machines	.40	.50	.92	.00	.00	.00	.59	.53	.29
Metalworking machinery	.04	.08	.22	.00	.00	.00	.53	.44	.26
Office and accounting machines	.00	.00	.00	.00	.00	.00	.06	.03	.02
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.11	.10	.08
Other machinery,exc electrical	.08	.07	.09	.00	.00	.00	1.35	1.13	.67
Electrical machinery	.00	.00	.00	.00	.00	.00	3.48	2.82	2.27
Household appliances	.00	.00	.00	.00	.00	.00	.30	.21	.12
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	1.01	.71	.63
Other electrical machinery	.00	.00	.00	.00	.00	.00	2.16	1.89	1.51
Transportation equipment	.70	.66	.63	.05	.04	.07	7.79	6.57	6.76
Motor vehicles and equipment	.55	.50	.41	.00	.00	.00	2.12	2.20	2.42
Aircraft and parts	.04	.05	.08	.00	.00	.00	2.24	1.60	1.19
Ship,boat building and repair	.07	.08	.09	.05	.04	.07	2.54	1.85	1.77
Railroad equipment	.01	.02	.02	.00	.00	.00	.19	.17	.10
Mobile dwellings	.00	.00	.02	.00	.00	.00	.66	.68	1.24
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.04	.04	.03
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	.52	.49	.46
Scientific instruments	.00	.00	.00	.00	.00	.00	.18	.15	.11
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.09	.09	.06
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.23	.22	.28
Watches and clock devices	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous manufacturing	.07	.05	.02	.03	.01	.00	.39	.35	.36
Nondurable goods	5.88	4.36	3.82	.51	.37	.29	8.50	7.17	7.51

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bulldozer operators			Cement and concrete finishers			Electricians and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.22	1.45	.62	.04	.03	-.01	1.69	1.46	1.57
Meat	.33	.24	.12	.02	.01	-.00	.20	.17	.16
Dairy	.04	.02	.00	.00	.00	.00	.09	.06	.05
Canning and preserving	.42	.28	.12	.00	.00	.00	.34	.31	.39
Grain mill	.28	.18	.06	.02	.02	.01	.22	.19	.21
Bakery	.13	.07	.02	.00	.00	.00	.14	.11	.12
Confectionery	.00	.00	.00	.00	.00	.00	.08	.06	.07
Beverages	.08	.06	.04	.00	.00	.00	.30	.26	.29
Miscellaneous food preparation	.91	.59	.24	.00	.00	.00	.30	.26	.25
Tobacco manufacturing	.02	.01	.00	.00	.00	.00	.09	.06	.05
Textile mill products	.12	.09	.10	.00	.00	.00	.92	.75	.92
Knitting mills	.01	.00	.00	.00	.00	.00	.09	.07	.11
Dyeing, finishing textiles	.00	.00	.00	.00	.00	.00	.11	.09	.07
Floor coverings	.02	.01	.01	.00	.00	.00	.07	.07	.15
Yarn and fabric mills	.08	.06	.07	.00	.00	.00	.57	.45	.51
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.07	.06	.06
Apparel and textile products	.02	.02	.01	.00	.00	.00	.15	.16	.21
Apparel and accessories	.00	.00	.00	.00	.00	.00	.08	.08	.09
Miscellaneous fabricated textile	.01	.01	.01	.00	.00	.00	.06	.08	.12
Paper and allied products	1.33	.87	.54	.02	.01	.00	1.48	1.17	1.20
Pulp, paper paperboard mills	1.02	.64	.38	.00	.00	.00	1.06	.81	.77
Paperboard containers, boxes	.11	.08	.10	.00	.00	.00	.21	.17	.22
Miscellaneous paper and pulp	.19	.13	.05	.01	.00	.00	.20	.18	.20
Printing and publishing	.05	.05	.08	.00	.00	.00	.41	.38	.44
Newspaper publishing, printing	.01	.00	.00	.00	.00	.00	.14	.14	.18
Other printing, exc newspapers	.04	.05	.08	.00	.00	.00	.26	.24	.26
Chemicals and allied products	1.55	1.42	2.01	.32	.19	.08	2.43	2.00	2.24
Industrial chemicals	.44	.42	.68	.28	.17	.08	1.19	1.02	1.20
Plastics and synthetics	.02	.02	.04	.02	.01	.00	.27	.19	.15
Synthetic fibers	.07	.06	.12	.00	.00	.00	.32	.29	.44
Drugs and medicines	.01	.01	.01	.00	.00	.00	.16	.14	.13
Soaps and cosmetics	.34	.33	.56	.00	.00	.00	.15	.12	.10
Paints and varnishes	.01	.01	.01	.00	.00	.00	.04	.03	.05
Agricultural chemicals	.48	.43	.40	.00	.00	.00	.09	.08	.06
Miscellaneous chemicals	.14	.10	.17	.01	.00	.00	.19	.10	.08
Petroleum and coal products	.19	.14	.13	.06	.07	.09	.42	.36	.23
Petroleum refining	.09	.04	.00	.06	.07	.09	.36	.31	.20
Misc petroleum, coal products	.10	.09	.12	.00	.00	.00	.05	.04	.03
Rubber, miscellaneous plastics	.35	.27	.29	.06	.05	.09	.81	.75	.58
Rubber	.35	.27	.29	.06	.05	.09	.48	.41	.44
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.32	.34	.14
Leather products	.00	.00	.00	.00	.00	.00	.07	.04	.01
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.01	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.04	.02	.00
All other leather	.00	.00	.00	.00	.00	.00	.01	.01	.00
Transportation, other public util	8.00	6.67	4.49	.70	.64	.41	8.58	8.05	6.99
Transportation, total	1.91	1.44	.72	.19	.16	.03	3.05	2.32	1.95
Railroads and railway express	.60	.33	.12	.06	.06	.03	1.86	1.21	.75
Local and interurban transit	.00	.00	.00	.00	.00	.00	.28	.25	.37
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.28	.25	.37
Trucking and warehousing	.71	.61	.27	.01	.01	.00	.08	.09	.10
Trucking services	.61	.54	.23	.01	.01	.00	.05	.06	.07
Warehousing and storage	.10	.07	.04	.00	.00	.00	.02	.02	.02
Water transportation	.37	.28	.09	.00	.00	.00	.31	.31	.25
Air transportation	.15	.14	.14	.10	.07	.00	.41	.34	.35
Pipelines	.02	.02	.01	.00	.00	.00	.05	.04	.02
Transportation services	.03	.04	.05	.00	.00	.00	.05	.07	.08
Communications, utils, sanitary serv	6.08	5.23	3.77	.50	.48	.37	5.52	5.72	5.04
Communications	.06	.06	.14	.01	.01	.06	.31	.32	.43
Telephone (wire and radio)	.06	.06	.14	.00	.00	.00	.20	.21	.31
Telegraph, misc communicatn serv	.00	.00	.00	.00	.00	.00	.03	.03	.03
Radio and tv broadcasting	.00	.00	.00	.01	.01	.06	.07	.07	.08
Utilities and sanitary services	6.02	5.16	3.63	.49	.47	.31	5.21	5.39	4.60
Electric light and power	.65	.82	.79	.22	.25	.09	3.64	4.02	3.15
Electric-gas utilities	.22	.18	.19	.12	.07	.01	1.17	.99	.96
Gas steam supply systems	.33	.26	.24	.05	.05	.11	.15	.13	.13
Water supply	.26	.23	.22	.08	.07	.09	.13	.14	.19
Sanitary services	4.47	3.58	2.08	.01	.01	.00	.09	.09	.14
Other utilities	.07	.06	.08	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	3.43	3.64	4.56	.64	.56	.52	3.27	3.15	2.67
Wholesale trade	1.96	1.97	2.52	.24	.17	.09	1.82	1.69	1.36

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bulldozer operators			Cement and concrete finishers			Electricians and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.73	.64	.45	.06	.04	.00	1.43	1.37	1.16
Motor vehicles and equipment	.02	.02	.04	.00	.00	.00	.08	.09	.10
Drugs, chemicals, allied product	.03	.02	.01	.01	.00	.00	.07	.06	.05
Dry goods and apparel	.01	.01	.01	.00	.00	.00	.02	.02	.02
Food and related products	.39	.32	.22	.01	.01	.00	.10	.10	.09
Farm products-raw materials	.08	.07	.00	.00	.00	.00	.02	.03	.01
Electrical goods	.02	.02	.03	.01	.01	.00	.79	.70	.52
Hardware and plumbing	.01	.01	.01	.00	.00	.00	.04	.03	.02
Machinery equipment, supplies	.15	.14	.09	.02	.01	.00	.28	.32	.31
Miscellaneous wholesale trade	1.22	1.33	2.07	.18	.13	.09	.39	.31	.20
Metals and minerals, other	.23	.24	.40	.01	.01	.01	.14	.10	.06
Petroleum products	.08	.06	.02	.00	.00	.00	.05	.05	.04
Scrap and waste material	.12	.18	.21	.00	.01	.01	.01	.01	.01
Paper and paper products	.02	.02	.02	.01	.01	.01	.03	.02	.01
Lumber, construction materials	.41	.43	.73	.12	.08	.04	.05	.05	.04
Other wholesale trade	.33	.39	.66	.00	.00	.00	.07	.05	.02
Retail trade	1.47	1.66	2.03	.39	.38	.43	1.44	1.45	1.30
Building materials	.60	.73	1.03	.22	.23	.27	.39	.40	.35
Lumber, building material	.49	.66	1.00	.22	.23	.27	.30	.33	.29
Hardware and farm equipment	.10	.07	.03	.00	.00	.00	.09	.07	.06
General merchandise, total	.00	.00	.00	.00	.00	.00	.31	.29	.29
Department stores, mail order	.00	.00	.00	.00	.00	.00	.24	.23	.18
Limited price stores	.00	.00	.00	.00	.00	.00	.00	.00	.01
Direct selling	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.05	.04	.07
Food and dairy stores	.11	.11	.08	.00	.00	.00	.07	.08	.09
Grocery stores	.03	.02	.00	.00	.00	.00	.06	.06	.08
Retail bakeries	.06	.07	.05	.00	.00	.00	.00	.00	.00
Food stores, other	.01	.02	.02	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	.08	.07	.06	.03	.02	.00	.06	.07	.07
Motor vehicle dealers	.02	.01	.00	.00	.00	.00	.00	.00	.00
Tire, battery, accessory dealers	.00	.00	.00	.00	.00	.00	.01	.02	.02
Gasoline service stations	.02	.02	.00	.01	.01	.00	.01	.01	.03
Miscellaneous vehicle dealers	.02	.03	.06	.00	.00	.00	.02	.03	.02
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.02	.03	.04
Apparel, accessory, except shoes	.00	.00	.00	.00	.00	.00	.01	.02	.01
Shoe stores	.00	.00	.00	.00	.00	.00	.00	.01	.02
Furniture and appliance stores	.09	.06	.02	.08	.08	.15	.43	.39	.18
Home furnishings	.08	.05	.02	.06	.05	.04	.03	.04	.06
Household appliances, tv, radio	.00	.00	.00	.02	.03	.11	.40	.35	.12
Eating and drinking places	.02	.02	.00	.01	.01	.00	.03	.08	.13
Miscellaneous retail trade	.56	.65	.82	.02	.02	.00	.08	.09	.11
Drug stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Farm, garden supply stores	.34	.50	.75	.00	.00	.00	.00	.01	.00
Fuel and ice dealers	.20	.13	.07	.00	.00	.00	.03	.02	.03
Misc retail trade stores	.02	.01	.00	.01	.01	.00	.03	.04	.04
Finance, insurance and real estate	.65	.66	.80	.19	.27	.26	.46	.48	.57
Finance, total	.00	.00	.00	.00	.00	.00	.07	.06	.04
Banking	.00	.00	.00	.00	.00	.00	.05	.03	.01
Credit agencies	.00	.00	.00	.00	.00	.00	.00	.00	.02
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.01
Insurance	.00	.00	.00	.00	.00	.00	.07	.06	.06
Real estate	.65	.66	.80	.19	.27	.26	.30	.35	.46
Services, total	1.48	2.16	2.73	.77	.92	1.32	6.09	6.58	7.76

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bulldozer operators			Cement and concrete finishers			Electricians and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.15	.16	.19	.00	.00	.00	.29	.34	.37
Hotels and motels	.08	.09	.09	.00	.00	.00	.25	.31	.32
Other lodging places	.06	.06	.10	.00	.00	.00	.03	.03	.04
Other personal services	.00	.00	.00	.00	.00	.00	.03	.04	.05
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.02	.02	.01
Misc personal services	.00	.00	.00	.00	.00	.00	.00	.02	.03
Miscellaneous business services	.03	.02	.01	.03	.04	.09	.62	.75	.71
Advertising	.00	.00	.00	.00	.00	.00	.08	.06	.04
Commercial research,development	.01	.01	.01	.00	.00	.00	.11	.12	.09
Computer programing	.00	.00	.00	.00	.00	.00	.00	.00	.01
Detective and protective serv	.00	.00	.00	.00	.00	.00	.07	.14	.25
Services to buildings	.02	.01	.00	.01	.03	.09	.08	.09	.11
Other business services	.00	.00	.00	.01	.01	.00	.25	.30	.19
Automobile services	.00	.00	.00	.00	.00	.00	.04	.04	.01
Automobile repair	.00	.00	.00	.00	.00	.00	.02	.02	.00
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.02	.01	.01
Other repair services	.05	.09	.11	.03	.03	.00	.65	.55	.45
Electrical repair	.00	.00	.00	.00	.00	.00	.58	.46	.38
Other repair,exc electrical	.05	.09	.11	.03	.03	.00	.06	.09	.07
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.24	.13	.12
Miscellaneous entertainment	.48	.82	.94	.00	.00	.00	.15	.28	.37
Other entertainment	.48	.82	.94	.00	.00	.00	.14	.28	.37
Medical and other health service	.16	.12	.00	.10	.09	.00	1.44	1.72	3.09
Hospitals	.14	.10	.00	.08	.06	.00	1.37	1.60	2.90
Convalescent institutions	.02	.01	.00	.00	.00	.00	.05	.07	.17
Other health services	.00	.00	.00	.01	.02	.00	.02	.04	.02
Educational services	.47	.72	1.05	.13	.08	.00	1.72	1.64	1.19
Elementary and secondary school	.22	.45	.68	.06	.04	.00	.69	.76	.51
Colleges and universities	.20	.21	.23	.06	.04	.00	.98	.83	.65
Other educational services	.03	.05	.12	.00	.00	.00	.05	.04	.02
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.01	.02	.02
Nonprofit organizations	.01	.00	.00	.34	.41	.86	.58	.70	1.14
Religious organizations	.01	.00	.00	.00	.00	.00	.03	.03	.01
Welfare services	.00	.00	.00	.00	.00	.00	.03	.02	.02
Residential welfare services	.00	.00	.00	.00	.00	.00	.01	.01	.03
Nonprofit membership organiztns	.00	.00	.00	.32	.40	.86	.49	.62	1.07
Private househclds	.00	.00	.00	.05	.12	.09	.02	.02	.01
Other professional services	.09	.18	.40	.05	.11	.26	.25	.30	.18
Engineering and architectural	.06	.14	.36	.03	.07	.21	.14	.19	.13
Miscellaneous professional serv	.02	.03	.03	.02	.03	.05	.10	.11	.05
Government,total	3.43	2.93	2.39	.55	.64	1.30	4.36	3.87	3.59
Federal public administration	.91	.61	1.01	.23	.17	.19	2.97	2.12	1.21
Postal services	.00	.00	.00	.00	.00	.00	.06	.06	.04
Federal pub adm,exc post office	.91	.61	1.01	.23	.17	.19	2.91	2.05	1.16
State public administration	.50	.48	.29	.05	.09	.24	.30	.39	.27
Local public administration	2.01	1.83	1.08	.26	.37	.86	1.08	1.35	2.11

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Excavating, grading mach operators			Floor layers, exc tile setters			Painters and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.76	.94	.67	.09	.05	.00	.22	.29	.25
Agriculture	.56	.71	.59	.09	.05	.00	.19	.25	.24
Agricultural production	.23	.26	.20	.06	.02	.00	.14	.20	.21
Services,except horticulture	.07	.07	.06	.00	.00	.00	.02	.02	.00
Horticultural services	.25	.37	.32	.03	.03	.00	.01	.02	.01
Forestry	.18	.21	.07	.00	.00	.00	.01	.01	.00
Fisheries	.01	.01	.00	.00	.00	.00	.02	.02	.01
Mining	5.72	6.01	5.93	.20	.35	.52	.26	.28	.21
Metal	.84	.73	.69	.00	.00	.00	.07	.05	.04
Coal	1.59	2.05	2.74	.00	.00	.00	.00	.00	.01
Crude petroleum and natural gas	.41	.56	.42	.20	.35	.52	.12	.16	.13
Nonmetallic mining and quarrying	2.87	2.65	2.07	.00	.00	.00	.06	.05	.02
Construction	80.20	80.20	81.07	62.08	68.23	69.20	64.14	64.69	63.81
General building contractors	4.68	5.04	7.19	4.90	5.65	6.65	4.02	3.96	6.63
General contractors,exc building	64.21	62.03	59.32	.78	.77	.97	1.75	1.55	3.40
Special trade contractors	11.30	13.13	14.55	56.39	61.80	61.57	58.36	59.18	53.76
Manufacturing	5.03	4.20	3.00	9.88	9.27	17.07	12.89	10.69	9.37
Durable goods	4.05	3.38	2.22	7.43	7.34	15.07	10.51	8.92	8.04
Ordnance	.03	.01	.00	.06	.03	.05	.19	.08	.06
Lumber and wood products	1.11	.99	.45	.58	.35	.30	.27	.19	.11
Logging	.86	.80	.34	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.21	.15	.09	.54	.32	.24	.14	.10	.06
Miscellaneous wood products	.03	.03	.02	.03	.02	.05	.13	.09	.05
Furniture and fixtures	.01	.01	.03	.13	.14	.30	.71	.55	.30
Stone,clay,and glass products	1.57	1.20	.50	.20	.17	.16	.15	.10	.03
Glass and glass products	.05	.03	.01	.06	.06	.04	.05	.03	.01
Cement,concrete,plaster	1.19	.93	.41	.06	.06	.06	.06	.04	.01
Structural clay products	.12	.07	.01	.00	.00	.00	.02	.01	.00
Pottery and related products	.00	.00	.00	.01	.00	.01	.01	.00	.00
Miscellaneous nonmetallic,stone	.20	.15	.06	.05	.04	.04	.00	.00	.00
Primary metal industries	.64	.47	.33	.33	.30	.45	.45	.32	.23
Blast furnaces,steel works	.27	.17	.07	.12	.13	.27	.19	.11	.05
Other primary steel	.18	.12	.06	.08	.07	.12	.12	.08	.04
Primary aluminum	.03	.03	.02	.02	.02	.00	.07	.07	.07
Other primary nonferrous	.15	.14	.17	.08	.07	.06	.06	.05	.05
Fabricated metal products	.22	.21	.23	.11	.14	.32	1.25	1.10	1.01
Cutlery and other hardware	.02	.02	.03	.00	.00	.00	.10	.09	.07
Fabricated structural metal	.06	.04	.02	.11	.14	.32	.53	.41	.18
Screw machine products	.00	.00	.00	.00	.00	.00	.02	.02	.03
Metal stamping	.03	.03	.04	.00	.00	.00	.19	.18	.23
Miscellaneous fabricated metal	.10	.11	.13	.00	.00	.00	.40	.39	.49
Machinery except electrical	.24	.29	.48	.43	.42	.44	1.39	1.40	1.87
Engines and turbines	.02	.02	.02	.05	.04	.03	.07	.08	.10
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.24	.18	.07
Construction machines	.15	.17	.28	.14	.14	.10	.29	.33	.48
Metalworking machinery	.00	.01	.03	.00	.00	.00	.13	.13	.20
Office and accounting machines	.00	.00	.00	.00	.00	.00	.02	.01	.01
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.02	.03	.06
Other machinery,exc electrical	.05	.07	.13	.23	.23	.31	.59	.62	.93
Electrical machinery	.04	.04	.05	.00	.00	.00	1.07	1.01	1.35
Household appliances	.00	.00	.00	.00	.00	.00	.24	.20	.26
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.20	.17	.14
Other electrical machinery	.04	.04	.05	.00	.00	.00	.62	.63	.94
Transportation equipment	.11	.11	.09	5.27	5.56	12.93	4.27	3.56	2.65
Motor vehicles and equipment	.05	.04	.02	.57	.47	.20	1.01	.86	.50
Aircraft and parts	.02	.02	.03	.30	.25	.27	.72	.49	.33
Ship,boat building and repair	.04	.04	.04	.23	.18	.05	2.24	1.86	1.15
Railroad equipment	.00	.00	.00	.04	.04	.03	.14	.15	.18
Mobile dwellings	.00	.00	.00	4.02	4.45	11.97	.09	.11	.32
Cycles,misc transportation	.00	.00	.00	.09	.16	.40	.05	.07	.13
Professional,scientific instrs	.00	.00	.00	.02	.01	.00	.22	.21	.24
Scientific instruments	.00	.00	.00	.00	.00	.00	.10	.09	.08
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.06	.08	.13
Photo equipment and supplies	.00	.00	.00	.02	.01	.00	.03	.02	.01
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous manufacturing	.02	.01	.00	.28	.20	.09	.49	.35	.16
Nondurable goods	.97	.81	.77	2.45	1.93	2.00	2.37	1.76	1.32

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Excavating, grading mach operators			Floor layers, exc tile setters			Painters and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.16	.12	.06	.57	.42	.35	.55	.33	.11
Meat	.02	.01	.00	.09	.08	.09	.05	.03	.01
Dairy	.00	.00	.00	.07	.05	.04	.08	.03	.00
Canning and preserving	.00	.00	.00	.08	.07	.10	.09	.06	.02
Grain mill	.02	.02	.03	.02	.01	.00	.04	.03	.01
Bakery	.00	.00	.00	.12	.08	.04	.06	.03	.01
Confectionery	.00	.00	.00	.06	.04	.02	.01	.00	.00
Beverages	.01	.01	.00	.04	.02	.00	.13	.07	.02
Miscellaneous food preparation	.08	.05	.02	.06	.05	.04	.07	.04	.01
Tobacco manufacturing	.00	.00	.00	.05	.03	.01	.01	.00	.00
Textile mill products	.01	.01	.02	.55	.32	.14	.15	.10	.06
Knitting mills	.00	.00	.00	.11	.08	.07	.01	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.03	.02	.01
Floor coverings	.00	.00	.00	.03	.02	.00	.00	.00	.00
Yarn and fabric mills	.01	.01	.02	.40	.22	.07	.08	.05	.04
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.01	.00	.00
Apparel and textile products	.00	.00	.00	.42	.39	.54	.08	.06	.02
Apparel and accessories	.00	.00	.00	.32	.31	.49	.05	.03	.01
Miscellaneous fabricated textile	.00	.00	.00	.09	.08	.04	.02	.02	.01
Paper and allied products	.11	.06	.01	.06	.06	.06	.21	.13	.06
Pulp,paper paperboard mills	.09	.05	.01	.00	.00	.00	.13	.08	.03
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.03	.02	.01
Miscellaneous paper and pulp	.01	.00	.00	.06	.06	.06	.03	.02	.01
Printing and publishing	.00	.00	.00	.11	.07	.00	.23	.19	.17
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.05	.03	.01
Other printing,exc newspapers	.00	.00	.00	.11	.07	.00	.17	.15	.15
Chemicals and allied products	.48	.44	.54	.48	.36	.40	.68	.57	.71
Industrial chemicals	.21	.20	.30	.09	.08	.11	.26	.23	.33
Plastics and synthetics	.01	.01	.02	.17	.14	.19	.07	.05	.07
Synthetic fibers	.00	.00	.00	.00	.00	.00	.04	.03	.02
Drugs and medicines	.00	.00	.00	.03	.02	.00	.04	.03	.01
Soaps and cosmetics	.00	.00	.00	.03	.02	.04	.02	.01	.01
Paints and varnishes	.01	.01	.00	.03	.02	.03	.16	.14	.17
Agricultural chemicals	.19	.18	.16	.02	.02	.01	.02	.02	.01
Miscellaneous chemicals	.03	.02	.02	.09	.04	.01	.05	.03	.05
Petroleum and coal products	.16	.13	.08	.01	.00	.00	.10	.08	.03
Petroleum refining	.05	.04	.02	.01	.00	.00	.09	.07	.02
Misc petroleum,coal products	.10	.09	.06	.00	.00	.00	.01	.01	.00
Rubber,miscellaneous plastics	.02	.02	.02	.17	.25	.50	.29	.25	.12
Rubber	.01	.00	.00	.07	.09	.25	.11	.08	.07
Miscellaneous plastics	.01	.01	.02	.09	.15	.25	.17	.16	.05
Leather products	.00	.00	.00	.00	.00	.00	.03	.02	.01
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.01	.01	.01
All other leather	.00	.00	.00	.00	.00	.00	.02	.01	.00
Transportation, other public util	3.53	3.19	2.54	.63	.50	.41	2.08	1.64	1.20
Transportation,total	.74	.56	.33	.31	.24	.11	1.44	1.01	.64
Railroads and railway express	.29	.16	.05	.14	.11	.11	.57	.29	.13
Local and interurban transit	.00	.01	.04	.03	.02	.00	.14	.08	.14
Street railways and bus lines	.00	.01	.04	.03	.02	.00	.13	.07	.13
Trucking and warehousing	.20	.17	.04	.12	.10	.00	.15	.13	.06
Trucking services	.19	.16	.04	.12	.10	.00	.11	.10	.04
Warehousing and storage	.01	.00	.00	.00	.00	.00	.03	.02	.01
Water transportation	.12	.08	.07	.00	.00	.00	.24	.20	.10
Air transportation	.06	.05	.02	.00	.00	.00	.26	.21	.10
Pipelines	.03	.03	.03	.00	.00	.00	.01	.00	.00
Transportation services	.02	.03	.05	.00	.00	.00	.04	.06	.09
Communicatns,utils,sanitary serv	2.79	2.63	2.20	.31	.26	.30	.64	.63	.55
Communications	.06	.05	.03	.10	.08	.00	.06	.06	.07
Telephone(wire and radio)	.06	.05	.03	.10	.08	.00	.03	.03	.02
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.00	.00	.01
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.02	.02	.03
Utilities and sanitary services	2.72	2.58	2.17	.21	.18	.30	.57	.57	.48
Electric light and power	.41	.54	.42	.00	.00	.00	.19	.26	.24
Electric-gas utilities	.56	.52	.58	.00	.00	.00	.09	.08	.11
Gas steam supply systems	.49	.38	.29	.13	.08	.03	.05	.04	.02
Water supply	.65	.57	.45	.08	.10	.27	.13	.10	.07
Sanitary services	.54	.49	.36	.00	.00	.00	.09	.06	.02
Other utilities	.06	.05	.05	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	1.18	1.25	1.26	24.20	18.90	11.23	3.94	3.97	3.77
Wholesale trade	.67	.71	.82	3.20	3.00	3.40	1.45	1.38	1.17

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Excavating, grading mach operators			Floor layers, exc tile setters			Painters and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.24	.24	.18	.60	.51	.26	1.07	1.01	.75
Motor vehicles and equipment	.00	.00	.00	.07	.08	.15	.19	.18	.15
Drugs,chemicals,allied product	.02	.01	.00	.00	.00	.00	.15	.12	.08
Dry goods and apparel	.00	.00	.00	.13	.09	.03	.02	.01	.01
Food and related products	.02	.02	.01	.12	.08	.00	.09	.07	.04
Farm products-raw materials	.02	.02	.00	.03	.03	.03	.01	.01	.00
Electrical goods	.00	.00	.00	.05	.04	.00	.08	.08	.07
Hardware and plumbing	.06	.06	.05	.06	.06	.05	.02	.02	.02
Machinery equipment,supplies	.10	.11	.10	.11	.10	.00	.47	.49	.35
Miscellaneous wholesale trade	.42	.46	.64	2.60	2.49	3.13	.38	.36	.42
Metals and minerals, other	.08	.08	.12	.03	.03	.05	.05	.05	.06
Petroleum products	.02	.01	.01	.00	.00	.00	.07	.06	.03
Scrap and waste material	.08	.11	.13	.00	.00	.00	.01	.02	.02
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.01	.02	.02
Paper and paper products	.00	.00	.00	.04	.03	.04	.01	.01	.02
Lumber,construction materials	.18	.18	.26	.48	.45	.62	.08	.08	.11
Other wholesale trade	.04	.05	.10	2.03	1.97	2.42	.11	.11	.15
Retail trade	.50	.53	.43	20.99	15.90	7.83	2.48	2.58	2.59
Building materials	.31	.33	.24	1.36	1.05	.28	.89	.70	.21
Lumber,building material	.30	.32	.23	1.24	.96	.21	.77	.62	.18
Hardware and farm equipment	.01	.01	.00	.11	.09	.07	.12	.08	.03
General merchandise,total	.00	.00	.00	.71	.79	1.70	.31	.36	.68
Department stores,mail order	.00	.00	.00	.54	.63	1.28	.26	.30	.58
Vending machine operators	.00	.00	.00	.00	.00	.00	.01	.01	.03
Direct selling	.00	.00	.00	.06	.03	.00	.02	.01	.01
Miscellaneous merchandise store	.00	.00	.00	.09	.12	.42	.02	.02	.05
Food and dairy stores	.00	.00	.00	.11	.08	.00	.13	.16	.30
Grocery stores	.00	.00	.00	.10	.07	.00	.11	.14	.27
Retail bakeries	.00	.00	.00	.01	.00	.00	.00	.00	.00
Food stores,cther	.00	.00	.00	.00	.00	.00	.00	.01	.02
Auto dealers,gas stations	.03	.03	.03	.02	.01	.00	.45	.52	.53
Motor vehicle dealers	.00	.00	.00	.02	.01	.00	.34	.38	.35
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.01	.02	.03
Gasoline service stations	.02	.02	.02	.00	.00	.00	.04	.04	.03
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.05	.07	.10
Apparel and accessory stores	.00	.00	.00	.02	.01	.00	.03	.03	.01
Apparel,accessory,except shoes	.00	.00	.00	.02	.01	.00	.03	.02	.01
Furniture and appliance stores	.03	.03	.01	18.56	13.69	5.44	.26	.21	.11
Home furnishings	.00	.00	.00	18.45	13.57	5.38	.22	.17	.09
Household appliances,tv,radio	.02	.02	.01	.11	.12	.05	.04	.04	.02
Eating and drinking places	.00	.00	.00	.03	.04	.00	.19	.34	.45
Miscellaneous retail trade	.12	.13	.15	.16	.20	.41	.19	.22	.26
Drug stores	.00	.00	.00	.03	.02	.00	.02	.01	.00
Liquor stores	.00	.00	.00	.00	.00	.00	.02	.02	.01
Farm,garden supply stores	.04	.06	.07	.08	.15	.41	.01	.02	.02
Jewelry stores	.00	.00	.00	.00	.00	.00	.00	.01	.00
Fuel and ice dealers	.05	.03	.02	.01	.00	.00	.03	.02	.01
Misc retail trade stores	.01	.02	.05	.03	.02	.00	.08	.12	.20
Finance,insurance and real estate	.35	.38	.44	.29	.33	.28	2.95	3.17	3.10
Finance,total	.00	.00	.00	.00	.00	.00	.12	.12	.19
Banking	.00	.00	.00	.00	.00	.00	.08	.08	.16
Credit agencies	.00	.00	.00	.00	.00	.00	.02	.02	.02
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.00
Insurance	.00	.00	.00	.00	.00	.00	.13	.09	.04
Real estate	.35	.38	.44	.29	.33	.28	2.68	2.96	2.86
Services, total	.92	1.29	1.63	2.46	2.23	1.26	9.88	12.08	16.25

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Excavating, gradng mach operators			Floor layers, exc tile settrs			Painters and apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.06	.05	.00	1.16	1.35	1.43
Hotels and motels	.00	.00	.00	.06	.05	.00	1.05	1.26	1.31
Other lodging places	.00	.00	.00	.00	.00	.00	.10	.09	.12
Other personal services	.00	.00	.00	.14	.09	.00	.09	.09	.06
Laundering and cleaning	.00	.00	.00	.11	.05	.00	.06	.03	.02
Misc personal services	.00	.00	.00	.03	.04	.00	.02	.04	.04
Miscellaneous business services	.48	.70	.98	.43	.35	.12	.95	1.03	1.14
Advertising	.00	.00	.00	.02	.01	.00	.15	.11	.07
Business management services	.00	.00	.00	.03	.04	.00	.12	.10	.05
Commercial research,development	.00	.00	.00	.00	.00	.00	.04	.06	.14
Services to buildings	.01	.01	.00	.37	.30	.12	.23	.22	.16
Other business services	.45	.67	.97	.00	.00	.00	.39	.51	.69
Automobile services	.00	.00	.00	.00	.00	.00	.40	.62	.47
Automobile repair	.00	.00	.00	.00	.00	.00	.36	.58	.43
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.03	.03	.04
Other repair services	.11	.18	.19	.06	.09	.07	.19	.27	.24
Electrical repair	.00	.00	.00	.00	.00	.00	.03	.03	.05
Other repair,exc electrical	.11	.18	.19	.06	.09	.07	.16	.24	.19
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.10	.05	.05
Miscellaneous entertainment	.04	.07	.07	.09	.09	.05	.28	.42	.34
Bowling alleys,billardrs	.00	.00	.00	.07	.07	.05	.00	.00	.00
Other entertainment	.04	.07	.07	.02	.02	.00	.27	.42	.34
Medical and other health service	.04	.03	.00	.56	.49	.00	2.53	3.03	6.44
Offices of physicians	.00	.00	.00	.00	.00	.00	.02	.02	.03
Hospitals	.03	.03	.00	.54	.47	.00	2.26	2.57	4.67
Convalescent institutions	.00	.00	.00	.01	.01	.00	.18	.32	1.55
Other health services	.00	.00	.00	.00	.00	.00	.05	.11	.18
Legal services	.00	.00	.00	.00	.00	.00	.01	.00	.01
Educational services	.13	.12	.10	.61	.46	.00	2.90	3.59	4.34
Elementary and secondary school	.04	.03	.00	.46	.34	.00	1.39	1.87	2.08
Colleges and universities	.08	.08	.06	.15	.11	.00	1.38	1.55	1.96
Libraries	.00	.00	.00	.00	.00	.00	.00	.00	.01
Other educational services	.00	.01	.04	.00	.00	.00	.11	.16	.27
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.03	.04	.06
Nonprofit organizations	.01	.01	.02	.13	.15	.30	.58	.65	.96
Religious organizations	.00	.00	.00	.00	.00	.00	.18	.23	.29
Welfare services	.01	.01	.02	.03	.02	.00	.10	.10	.18
Residential welfare services	.00	.00	.00	.00	.00	.00	.02	.04	.13
Nonprofit membership organiztns	.00	.00	.00	.09	.12	.30	.26	.28	.34
Private households	.00	.00	.00	.34	.42	.70	.46	.68	.35
Other professional services	.09	.16	.26	.02	.02	.00	.14	.20	.29
Engineering and architectural	.07	.12	.21	.02	.02	.00	.05	.07	.10
Miscellaneous professional serv	.01	.03	.05	.00	.00	.00	.09	.12	.19
Government,total	2.26	2.50	3.43	.13	.12	.00	3.60	3.15	2.01
Federal public administration	.65	.55	.59	.00	.00	.00	1.80	1.36	.70
Postal services	.00	.00	.00	.00	.00	.00	.03	.03	.02
Federal pub adm,exc post office	.65	.55	.59	.00	.00	.00	1.76	1.33	.67
State public administration	.25	.24	.10	.04	.04	.00	.39	.37	.18
Local public administration	1.35	1.70	2.73	.08	.08	.00	1.40	1.41	1.12

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Paper-hangers			Plasterers and apprentices			Plumbers, pipefitters, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.03	.02	.00	.01	.01	.00	.13	.39	.43
Agriculture	.03	.02	.00	.01	.01	.00	.13	.38	.42
Agricultural production	.03	.02	.00	.00	.00	.00	.05	.29	.34
Services, except horticulture	.00	.00	.00	.01	.01	.00	.00	.00	.00
Horticultural services	.00	.00	.00	.00	.00	.00	.07	.08	.07
Forestry	.00	.00	.00	.00	.00	.00	.00	.00	.01
Mining	.06	.04	.00	.02	.01	.00	.61	.77	.90
Metal	.00	.00	.00	.00	.00	.00	.18	.16	.18
Coal	.06	.04	.00	.02	.01	.00	.02	.03	.04
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.36	.54	.66
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.04	.03	.01
Construction	90.47	92.84	95.45	90.66	90.26	87.86	58.53	62.14	58.29
General building contractors	2.43	2.93	2.57	12.90	13.79	23.75	3.11	3.08	4.51
General contractors, exc building	.10	.05	.00	1.20	.93	.59	5.31	5.22	4.76
Special trade contractors	87.94	89.85	92.88	76.54	75.52	63.52	50.10	53.83	49.01
Manufacturing	.97	.46	.00	1.26	1.16	1.36	21.47	17.55	18.20
Durable goods	.33	.16	.00	.90	.78	.91	14.10	11.40	11.21
Ordnance	.00	.00	.00	.00	.00	.00	.34	.14	.10
Lumber and wood products	.07	.04	.00	.03	.02	.00	.16	.16	.20
Sawmill, planing and mill work	.07	.04	.00	.03	.02	.00	.13	.14	.16
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.02	.02	.04
Furniture and fixtures	.00	.00	.00	.12	.10	.00	.05	.05	.10
Stone, clay, and glass products	.00	.00	.00	.49	.49	.74	.43	.41	.51
Glass and glass products	.00	.00	.00	.00	.00	.00	.15	.14	.16
Cement, concrete, plaster	.00	.00	.00	.43	.46	.73	.10	.09	.11
Structural clay products	.00	.00	.00	.05	.03	.00	.02	.01	.01
Pottery and related products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	.12	.13	.19
Primary metal industries	.16	.06	.00	.10	.06	.00	2.71	2.05	2.07
Blast furnaces, steel works	.16	.06	.00	.07	.04	.00	1.59	1.19	1.35
Other primary steel	.00	.00	.00	.00	.00	.00	.46	.40	.50
Primary aluminum	.00	.00	.00	.00	.00	.00	.29	.20	.04
Other primary nonferrous	.00	.00	.00	.02	.01	.00	.35	.25	.16
Fabricated metal products	.00	.00	.00	.00	.00	.00	1.31	1.06	1.01
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.07	.06	.06
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.54	.55	.83
Screw machine products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Metal stamping	.00	.00	.00	.00	.00	.00	.18	.11	.03
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.48	.31	.08
Machinery except electrical	.00	.00	.00	.00	.00	.00	1.56	1.17	.56
Engines and turbines	.00	.00	.00	.00	.00	.00	.18	.13	.04
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.10	.10	.15
Construction machines	.00	.00	.00	.00	.00	.00	.22	.17	.07
Metalworking machinery	.00	.00	.00	.00	.00	.00	.16	.11	.05
Office and accounting machines	.00	.00	.00	.00	.00	.00	.02	.01	.00
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.02	.02	.01
Other machinery, exc electrical	.00	.00	.00	.00	.00	.00	.84	.60	.22
Electrical machinery	.00	.00	.00	.00	.00	.00	.93	.59	.34
Household appliances	.00	.00	.00	.00	.00	.00	.14	.10	.09
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.30	.15	.14
Other electrical machinery	.00	.00	.00	.00	.00	.00	.48	.33	.10
Transportation equipment	.10	.05	.00	.08	.05	.17	6.02	5.22	5.73
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	1.46	1.61	1.59
Aircraft and parts	.00	.00	.00	.00	.00	.00	.56	.42	.41
Ship, boat building and repair	.00	.00	.00	.08	.05	.17	3.19	2.47	2.86
Railroad equipment	.00	.00	.00	.00	.00	.00	.14	.10	.02
Mobile dwellings	.10	.05	.00	.00	.00	.00	.62	.57	.82
Cycles, misc transportation	.00	.00	.00	.00	.00	.00	.03	.03	.01
Professional, scientific instrs	.00	.00	.00	.00	.00	.00	.43	.38	.41
Scientific instruments	.00	.00	.00	.00	.00	.00	.16	.13	.07
Optical, health serv supplies	.00	.00	.00	.00	.00	.00	.03	.03	.01
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.22	.21	.31
Miscellaneous manufacturing	.00	.00	.00	.05	.03	.00	.13	.12	.14
Nondurable goods	.64	.30	.00	.36	.38	.45	7.37	6.15	6.99

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Paper-hangers			Plasterers and apprentices			Plumbers, pipefitters, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.05	.02	.00	.03	.02	.00	.78	.66	.80
Meat	.00	.00	.00	.03	.02	.00	.12	.09	.05
Dairy	.00	.00	.00	.00	.00	.00	.01	.01	.01
Canning and preserving	.05	.02	.00	.00	.00	.00	.10	.09	.14
Grain mill	.00	.00	.00	.00	.00	.00	.11	.10	.12
Bakery	.00	.00	.00	.00	.00	.00	.02	.02	.03
Confectionery	.00	.00	.00	.00	.00	.00	.03	.02	.01
Beverages	.00	.00	.00	.00	.00	.00	.19	.17	.25
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.16	.13	.16
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.04	.03	.03
Textile mill products	.00	.00	.00	.00	.00	.00	.28	.21	.24
Knitting mills	.00	.00	.00	.00	.00	.00	.01	.01	.02
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.04	.03	.03
Floor coverings	.00	.00	.00	.00	.00	.00	.01	.01	.03
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.17	.12	.14
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.04	.02	.01
Apparel and textile products	.00	.00	.00	.00	.00	.00	.05	.05	.07
Apparel and accessories	.00	.00	.00	.00	.00	.00	.03	.03	.03
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.01	.02	.04
Paper and allied products	.34	.16	.00	.04	.02	.00	1.20	.94	1.11
Pulp,paper paperboard mills	.00	.00	.00	.04	.02	.00	1.00	.76	.84
Paperboard cntainers,boxes	.19	.08	.00	.00	.00	.00	.08	.07	.13
Miscellaneous paper and pulp	.15	.07	.00	.00	.00	.00	.12	.11	.14
Printing and publishing	.16	.07	.00	.14	.15	.23	.11	.09	.09
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.03	.03	.04
Other printing,exc newspapers	.16	.07	.00	.14	.15	.23	.07	.06	.04
Chemicals and allied products	.05	.02	.00	.02	.01	.00	3.06	2.53	3.17
Industrial chemicals	.00	.00	.00	.02	.01	.00	1.76	1.48	1.89
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.30	.23	.29
Synthetic fibers	.00	.00	.00	.00	.00	.00	.33	.29	.49
Drugs and medicines	.00	.00	.00	.00	.00	.00	.17	.18	.17
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.13	.09	.07
Paints and varnishes	.05	.02	.00	.00	.00	.00	.04	.04	.09
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.07	.06	.05
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.23	.12	.09
Petroleum and coal products	.00	.00	.00	.00	.00	.00	1.21	1.06	.86
Petroleum refining	.00	.00	.00	.00	.00	.00	1.16	1.02	.80
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.04	.04	.05
Rubber,miscellaneous plastics	.00	.00	.00	.11	.16	.21	.60	.54	.58
Rubber	.00	.00	.00	.00	.00	.00	.47	.38	.42
Miscellaneous plastics	.00	.00	.00	.11	.16	.21	.13	.16	.15
Leather products	.04	.01	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.04	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.13	.06	.00	.01	.01	.00	6.09	5.69	6.52
Transportation,total	.13	.06	.00	.01	.01	.00	1.05	.72	.50
Railroads and railway express	.04	.02	.00	.00	.00	.00	.80	.48	.24
Local and interurban transit	.00	.00	.00	.01	.01	.00	.04	.03	.03
Street railways and bus lines	.00	.00	.00	.01	.01	.00	.04	.03	.03
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.02	.03	.03
Trucking services	.00	.00	.00	.00	.00	.00	.01	.02	.03
Warehousing and storage	.00	.00	.00	.00	.00	.00	.01	.00	.00
Water transportation	.09	.04	.00	.00	.00	.00	.04	.03	.03
Air transportation	.00	.00	.00	.00	.00	.00	.04	.05	.05
Pipelines	.00	.00	.00	.00	.00	.00	.06	.06	.05
Transportation services	.00	.00	.00	.00	.00	.00	.02	.02	.03
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	5.04	4.96	6.02
Communications	.00	.00	.00	.00	.00	.00	.53	.65	.80
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.52	.63	.78
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.00	.01	.00
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.00	.00	.01
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	4.50	4.31	5.22
Electric light and power	.00	.00	.00	.00	.00	.00	.57	.73	.58
Electric-gas utilities	.00	.00	.00	.00	.00	.00	1.04	.88	1.00
Gas steam supply systems	.00	.00	.00	.00	.00	.00	1.58	1.35	1.56
Water supply	.00	.00	.00	.00	.00	.00	1.17	1.20	1.85
Sanitary services	.00	.00	.00	.00	.00	.00	.11	.12	.19
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.01
Wholesale and retail trade	2.74	1.99	1.15	.87	.87	.84	4.71	4.83	4.94
Wholesale trade	.28	.41	.79	.28	.25	.15	1.48	1.47	1.51

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Paper-hangers			Plasterers and apprentices			Plumbers, pipefitters, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.17	.16	.12	1.18	1.19	1.20
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.04	.04	.05
Drugs,chemicals,allied product	.00	.00	.00	.01	.01	.00	.08	.07	.07
Food and related products	.00	.00	.00	.04	.03	.00	.05	.04	.05
Farm products-raw materials	.00	.00	.00	.02	.03	.06	.01	.02	.01
Electrical goods	.00	.00	.00	.00	.00	.00	.09	.08	.08
Hardware and plumbing	.00	.00	.00	.04	.03	.06	.48	.45	.40
Machinery equipment,supplies	.00	.00	.00	.04	.03	.00	.40	.46	.51
Miscellaneous wholesale trade	.28	.41	.79	.11	.08	.03	.30	.28	.30
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.07	.04	.01
Petroleum products	.00	.00	.00	.00	.00	.00	.14	.16	.24
Scrap and waste material	.00	.00	.00	.00	.00	.00	.00	.00	.01
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.01	.01	.00
Lumber,construction materials	.00	.00	.00	.09	.06	.03	.02	.01	.00
Other wholesale trade	.28	.41	.79	.02	.01	.00	.04	.03	.01
Retail trade	2.46	1.58	.36	.58	.62	.69	3.23	3.36	3.42
Building materials	1.75	1.15	.36	.33	.35	.31	2.56	2.66	2.73
Lumber,building material	1.75	1.15	.36	.33	.35	.31	2.28	2.44	2.54
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.28	.22	.19
General merchandise,total	.00	.00	.00	.00	.00	.00	.11	.09	.10
Department stores,mail order	.00	.00	.00	.00	.00	.00	.06	.05	.04
Limited price stores	.00	.00	.00	.00	.00	.00	.00	.01	.02
Direct selling	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.01	.01	.00
Food and dairy stores	.08	.04	.00	.00	.00	.00	.02	.01	.00
Grocery stores	.00	.00	.00	.00	.00	.00	.02	.01	.00
Food stores,cther	.08	.04	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.10	.07	.00	.10	.12	.07
Tire,battery,accessory dealrs	.00	.00	.00	.02	.01	.00	.01	.01	.01
Gasoline service stations	.00	.00	.00	.08	.05	.00	.06	.09	.04
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.02	.01	.01
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.00	.01	.03
Shoe stores	.00	.00	.00	.00	.00	.00	.00	.01	.03
Furniture and appliance stores	.44	.22	.00	.12	.17	.37	.16	.21	.29
Home furnishings	.44	.22	.00	.12	.17	.37	.01	.01	.00
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.14	.19	.28
Eating and drinking places	.13	.11	.00	.00	.00	.00	.02	.02	.00
Miscellaneous retail trade	.06	.05	.00	.02	.02	.00	.22	.20	.18
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.07	.07	.03
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.12	.09	.10
Misc retail trade stores	.06	.05	.00	.02	.02	.00	.02	.02	.03
Finance,insurance and real estate	1.00	.82	.71	.97	.84	.46	.51	.60	.82
Finance,total	.00	.00	.00	.00	.00	.00	.02	.02	.02
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.00	.01	.02
Insurance	.00	.00	.00	.03	.01	.00	.03	.02	.03
Real estate	1.00	.82	.71	.94	.82	.46	.45	.55	.77
Services, total	4.60	3.76	2.66	5.89	6.33	7.94	5.35	5.55	6.70

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Paper-hangers			Plasterers and apprentices			Plumbers, pipefitters, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.94	.79	.95	.29	.32	.28	.28	.30	.29
Hotels and motels	.41	.56	.64	.29	.32	.28	.23	.26	.26
Other lodging places	.53	.22	.30	.00	.00	.00	.05	.03	.03
Other personal services	.08	.07	.00	.00	.00	.00	.02	.02	.02
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.02	.02	.02
Misc personal services	.08	.07	.00	.00	.00	.00	.00	.00	.00
Miscellaneous business services	1.06	.63	.13	.31	.48	.41	.86	1.01	.94
Advertising	.08	.04	.00	.03	.02	.03	.00	.00	.00
Business management services	.82	.49	.13	.00	.00	.00	.00	.00	.00
Commercial research,development	.00	.00	.00	.00	.00	.00	.06	.05	.01
Computer programing	.00	.00	.00	.00	.00	.00	.01	.01	.02
Detective and protective serv	.00	.00	.00	.15	.32	.38	.27	.47	.74
Services to buildings	.00	.00	.00	.08	.07	.00	.08	.05	.00
Other business services	.16	.10	.00	.04	.05	.00	.42	.41	.15
Automobile services	.00	.00	.00	.00	.00	.00	.01	.01	.01
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.01	.00	.01
Other repair services	.03	.02	.00	.02	.02	.00	.12	.16	.12
Electrical repair	.00	.00	.00	.00	.00	.00	.03	.02	.02
Other repair,exc electrical	.03	.02	.00	.02	.02	.00	.09	.13	.10
Motion pictures and theaters	.00	.00	.00	.08	.03	.00	.01	.01	.02
Miscellaneous entertainment	.00	.00	.00	.11	.31	.76	.06	.12	.19
Other entertainment	.00	.00	.00	.11	.31	.76	.06	.12	.19
Medical and other health service	.17	.10	.00	2.15	2.58	5.33	1.43	1.63	3.19
Hospitals	.17	.10	.00	2.06	2.45	5.33	1.33	1.51	2.97
Convalescent institutions	.00	.00	.00	.07	.07	.00	.05	.07	.19
Other health services	.00	.00	.00	.02	.05	.00	.04	.04	.02
Legal services	.04	.04	.00	.00	.00	.00	.00	.00	.00
Educational services	.25	.14	.00	1.84	1.46	.00	1.68	1.34	.77
Elementary and secondary school	.00	.00	.00	1.05	.82	.00	.76	.70	.30
Colleges and universities	.25	.14	.00	.73	.57	.00	.86	.58	.42
Other educational services	.00	.00	.00	.06	.06	.00	.06	.05	.03
Museums,art galleries,zoos	.00	.00	.00	.01	.02	.01	.00	.00	.00
Nonprofit organizations	.15	.09	.00	.73	.73	.77	.62	.68	.99
Religious organizations	.11	.06	.00	.07	.05	.00	.04	.04	.04
Welfare services	.00	.00	.00	.04	.03	.00	.02	.02	.01
Residential welfare services	.00	.00	.00	.00	.00	.00	.00	.01	.03
Nonprofit membership organiztns	.04	.02	.00	.60	.63	.77	.54	.61	.90
Private households	1.73	1.73	1.58	.29	.31	.36	.05	.06	.03
Other professional services	.15	.11	.00	.01	.01	.00	.15	.16	.07
Engineering and architectural	.15	.11	.00	.00	.00	.00	.10	.11	.04
Miscellaneous professional serv	.00	.00	.00	.01	.01	.00	.04	.05	.02
Government,total	.00	.00	.00	.27	.46	1.51	2.54	2.43	3.16
Federal public administration	.00	.00	.00	.00	.00	.00	1.73	1.42	1.36
Postal services	.00	.00	.00	.00	.00	.00	.01	.02	.01
Federal pub adm,exc post office	.00	.00	.00	.00	.00	.00	1.72	1.40	1.35
State public administration	.00	.00	.00	.00	.00	.00	.20	.27	.50
Local public administration	.00	.00	.00	.27	.46	1.51	.60	.74	1.29

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Roofers and slaters			Structural metal craft workers			Tile setters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.02	.01	.00	.00	.00	.00	.16	.12	.13
Agriculture	.02	.01	.00	.00	.00	.00	.16	.12	.13
Agricultural production	.02	.01	.00	.00	.00	.00	.00	.00	.00
Services,except horticulture	.00	.00	.00	.00	.00	.00	.16	.12	.13
Mining	.03	.03	.05	.13	.13	.09	.00	.00	.03
Coal	.03	.03	.05	.03	.03	.06	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.10	.09	.03	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.00	.00	.03
Construction	97.27	97.84	98.08	64.27	69.62	73.51	74.95	80.23	84.97
General building contractors	5.72	5.75	6.97	16.06	15.17	14.94	4.41	5.16	7.25
General contractors,exc building	.11	.06	.17	9.31	8.99	7.50	1.26	1.33	1.63
Special trade contractors	91.44	92.03	90.93	38.89	45.45	51.06	69.26	73.73	76.08
Manufacturing	1.12	.87	1.05	30.91	25.29	20.88	3.22	2.37	2.74
Durable goods	1.04	.82	1.03	30.07	24.71	20.38	2.77	2.00	2.47
Ordnance	.02	.00	.00	.10	.04	.03	.00	.00	.00
Lumber and wood products	.09	.07	.08	.00	.00	.00	.09	.12	.19
Sawmill,planing and mill work	.09	.07	.08	.00	.00	.00	.07	.11	.19
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Furniture and fixtures	.00	.00	.00	.08	.07	.10	.12	.11	.13
Stone,clay,and glass products	.04	.03	.02	.18	.11	.02	1.26	.69	.17
Glass and glass products	.00	.00	.00	.06	.04	.01	.00	.00	.00
Cement,concrete,plaster	.03	.02	.01	.11	.06	.01	.32	.17	.02
Structural clay products	.01	.00	.00	.00	.00	.00	.75	.36	.05
Pottery and related products	.00	.00	.00	.00	.00	.00	.01	.01	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.17	.13	.08
Primary metal industries	.04	.02	.01	3.98	2.66	1.77	.13	.13	.27
Blast furnaces,steel works	.02	.01	.00	2.33	1.48	.99	.03	.01	.00
Other primary steel	.00	.00	.00	1.43	1.01	.70	.07	.10	.27
Primary aluminum	.01	.01	.01	.12	.09	.05	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.09	.05	.01	.03	.02	.00
Fabricated metal products	.16	.12	.06	21.00	17.67	14.56	.07	.06	.06
Cutlery and other hardware	.00	.00	.00	.19	.15	.08	.00	.00	.00
Fabricated structural metal	.16	.12	.06	19.83	16.70	13.69	.00	.00	.00
Screw machine products	.00	.00	.00	.02	.01	.01	.00	.00	.00
Metal stamping	.00	.00	.00	.23	.20	.25	.07	.06	.06
Miscellaneous fabricated metal	.00	.00	.00	.72	.60	.53	.00	.00	.00
Machinery except electrical	.02	.01	.01	1.57	1.51	1.77	.09	.08	.10
Engines and turbines	.00	.00	.00	.13	.14	.18	.00	.00	.00
Farm machinery and equipment	.02	.01	.01	.05	.03	.01	.00	.00	.00
Construction machines	.00	.00	.00	.68	.66	.72	.00	.00	.00
Metalworking machinery	.00	.00	.00	.09	.08	.11	.09	.08	.10
Other machinery,exc electrical	.00	.00	.00	.60	.57	.73	.00	.00	.00
Electrical machinery	.00	.00	.00	.31	.26	.30	.00	.00	.00
Household appliances	.00	.00	.00	.03	.02	.01	.00	.00	.00
Other electrical machinery	.00	.00	.00	.28	.24	.28	.00	.00	.00
Transportation equipment	.63	.54	.83	2.75	2.31	1.76	.88	.72	1.52
Motor vehicles and equipment	.00	.00	.00	.10	.10	.10	.00	.00	.00
Aircraft and parts	.00	.00	.00	.49	.37	.42	.00	.00	.00
Ship,boat building and repair	.01	.00	.00	.89	.62	.14	.32	.16	.10
Railroad equipment	.00	.00	.00	1.22	1.16	1.02	.00	.00	.00
Mobile dwellings	.62	.53	.83	.02	.02	.04	.55	.56	1.42
Cycles,misc transportation	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous manufacturing	.02	.01	.00	.05	.04	.04	.10	.06	.00
Nondurable goods	.07	.05	.02	.83	.57	.49	.44	.36	.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Roofers and slaters			Structural metal craft workers			Tile setters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	.02	.01	.00
Canning and preserving	.00	.00	.00	.00	.00	.00	.02	.01	.00
Textile mill products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and textile products	.02	.01	.00	.05	.03	.00	.07	.06	.06
Apparel and accessories	.02	.01	.00	.05	.03	.00	.04	.02	.00
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.03	.03	.06
Paper and allied products	.00	.00	.00	.08	.04	.00	.00	.00	.00
Pulp, paper paperboard mills	.00	.00	.00	.08	.04	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	.11	.09	.13	.04	.02	.00
Newspaper publishing, printing	.00	.00	.00	.03	.04	.13	.00	.00	.00
Other printing, exc newspapers	.00	.00	.00	.08	.05	.00	.04	.02	.00
Chemicals and allied products	.00	.00	.00	.39	.30	.35	.09	.07	.07
Industrial chemicals	.00	.00	.00	.31	.25	.32	.02	.01	.00
Plastics and synthetics	.00	.00	.00	.03	.01	.00	.00	.00	.00
Drugs and medicines	.00	.00	.00	.00	.00	.00	.02	.03	.06
Soaps and cosmetics	.00	.00	.00	.01	.01	.01	.00	.00	.00
Paints and varnishes	.00	.00	.00	.00	.00	.00	.04	.02	.01
Miscellaneous chemicals	.00	.00	.00	.03	.01	.00	.00	.00	.00
Petroleum and coal products	.04	.03	.02	.12	.06	.00	.04	.03	.04
Petroleum refining	.00	.00	.00	.12	.06	.00	.00	.00	.00
Misc petroleum, coal products	.04	.03	.02	.00	.00	.00	.03	.03	.04
Rubber, miscellaneous plastics	.00	.00	.00	.04	.02	.00	.15	.13	.08
Rubber	.00	.00	.00	.04	.02	.00	.05	.04	.08
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.09	.08	.00
Leather products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	.05	.02	.00	1.24	1.37	1.07	.13	.09	.00
Transportation, total	.05	.02	.00	.58	.39	.44	.04	.02	.00
Railroads and railway express	.03	.01	.00	.15	.07	.00	.02	.01	.00
Local and interurban transit	.01	.00	.00	.11	.05	.18	.00	.00	.00
Street railways and bus lines	.01	.00	.00	.11	.05	.18	.00	.00	.00
Trucking and warehousing	.01	.00	.00	.28	.23	.23	.01	.01	.00
Trucking services	.01	.00	.00	.07	.09	.17	.01	.01	.00
Warehousing and storage	.00	.00	.00	.21	.14	.05	.00	.00	.00
Water transportation	.00	.00	.00	.02	.00	.00	.00	.00	.00
Transportation services	.00	.00	.00	.01	.01	.02	.00	.00	.00
Communicatns, utils, sanitary serv	.00	.00	.00	.66	.97	.63	.09	.07	.00
Utilities and sanitary services	.00	.00	.00	.66	.97	.63	.09	.07	.00
Electric light and power	.00	.00	.00	.42	.78	.44	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.15	.12	.10	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.03	.02	.01	.00	.00	.00
Water supply	.00	.00	.00	.03	.03	.06	.00	.00	.00
Sanitary services	.00	.00	.00	.01	.00	.00	.09	.07	.00
Wholesale and retail trade	.74	.49	.12	1.42	1.25	1.24	19.43	15.27	10.40
Wholesale trade	.09	.06	.02	1.15	1.03	1.20	2.43	2.30	3.32
Wholesale, exc misc whlsle trade	.00	.00	.00	.29	.27	.21	.12	.11	.16
Motor vehicles and equipment	.00	.00	.00	.02	.01	.00	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	.02	.02	.03	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.02	.02	.05
Food and related products	.00	.00	.00	.01	.00	.00	.01	.00	.00
Electrical gcods	.00	.00	.00	.02	.02	.05	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.02	.02	.02	.08	.08	.10
Machinery equipment, supplies	.00	.00	.00	.19	.18	.10	.00	.00	.00
Miscellaneous wholesale trade	.09	.05	.02	.86	.76	.99	2.31	2.18	3.16
Metals and minerals, other	.00	.00	.00	.41	.34	.44	.00	.00	.00
Petroleum products	.00	.00	.00	.02	.01	.00	.02	.03	.06
Scrap and waste material	.00	.00	.00	.03	.04	.06	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.03	.02	.00
Lumber, construction materials	.09	.05	.02	.36	.32	.48	1.26	1.15	1.64
Other wholesale trade	.00	.00	.00	.02	.02	.00	.98	.97	1.45

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Roofers and slaters			Structural metal craft workers			Tile setters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.64	.43	.10	.26	.21	.03	17.00	12.97	7.07
Building materials	.47	.32	.09	.10	.08	.03	6.59	4.20	.67
Lumber,building material	.44	.30	.06	.10	.08	.03	6.46	4.12	.62
Hardware and farm equipment	.03	.02	.02	.00	.00	.00	.12	.08	.05
General merchandise,total	.11	.07	.00	.09	.06	.00	.26	.27	.59
Department stores,mail order	.11	.07	.00	.09	.06	.00	.11	.08	.00
Direct selling	.00	.00	.00	.00	.00	.00	.08	.08	.21
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.06	.10	.38
Food and dairy stores	.02	.01	.00	.00	.00	.00	.02	.01	.00
Grocery stores	.02	.01	.00	.00	.00	.00	.01	.00	.00
Food stores,cther	.00	.00	.00	.00	.00	.00	.01	.00	.00
Auto dealers,gas stations	.01	.01	.01	.03	.02	.00	.07	.05	.00
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.02	.01	.00
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.04	.03	.00
Gasoline service stations	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous vehicle dealers	.01	.01	.01	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.02	.02	.00	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.02	.02	.00	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.01	.01	.00	9.36	7.53	4.58
Home furnishings	.00	.00	.00	.00	.00	.00	9.35	7.53	4.58
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.01	.00	.00
Eating and drinking places	.00	.00	.00	.00	.00	.00	.07	.07	.00
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	.60	.80	1.20
Misc retail trade stores	.00	.00	.00	.00	.00	.00	.60	.80	1.20
Finance,insurance and real estate	.09	.11	.10	.34	.26	.07	.49	.52	.64
Real estate	.09	.11	.10	.34	.26	.07	.49	.52	.64
Services, total	.54	.51	.58	1.62	2.02	3.10	1.40	1.23	1.07
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.30	.25	.51
Hotels and motels	.00	.00	.00	.00	.00	.00	.12	.16	.39
Other lodging places	.00	.00	.00	.00	.00	.00	.17	.09	.12
Other personal services	.00	.00	.00	.02	.01	.00	.02	.02	.00
Laundering and cleaning	.00	.00	.00	.02	.01	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.02	.02	.00
Miscellaneous business services	.03	.02	.00	.22	.30	.49	.10	.11	.21
Advertising	.00	.00	.00	.01	.01	.00	.00	.00	.00
Commercial research,development	.00	.00	.00	.01	.01	.02	.00	.00	.00
Services to buildings	.01	.00	.00	.04	.05	.08	.08	.09	.21
Other business services	.01	.01	.00	.15	.22	.38	.01	.01	.00
Other repair services	.00	.00	.00	.07	.07	.02	.03	.05	.07
Other repair,exc electrical	.00	.00	.00	.07	.07	.02	.03	.05	.07
Miscellaneous entertainment	.00	.00	.00	.00	.01	.00	.00	.00	.00
Other entertainment	.00	.00	.00	.00	.01	.00	.00	.00	.00
Medical and other health service	.04	.03	.00	.41	.48	.98	.38	.28	.00
Hospitals	.04	.03	.00	.40	.46	.98	.35	.25	.00
Convalescent institutions	.00	.00	.00	.01	.01	.00	.03	.02	.00
Educational services	.38	.36	.45	.69	.85	1.18	.26	.19	.00
Elementary and secondary school	.22	.13	.00	.36	.53	.76	.20	.14	.00
Colleges and universities	.16	.23	.45	.30	.27	.26	.06	.04	.00
Other educational services	.00	.00	.00	.02	.04	.15	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.00	.01	.00	.00	.00	.00
Nonprofit organizations	.02	.01	.00	.00	.00	.00	.08	.06	.00
Religious organizations	.00	.00	.00	.00	.00	.00	.03	.02	.00
Nonprofit membership organiztns	.02	.01	.00	.00	.00	.00	.05	.03	.00
Private housechlds	.05	.08	.13	.00	.00	.00	.19	.24	.27
Other professional services	.00	.00	.00	.17	.26	.40	.01	.01	.00
Engineering and architectural	.00	.00	.00	.16	.24	.40	.01	.01	.00
Miscellaneous professional serv	.00	.00	.00	.00	.01	.00	.00	.00	.00
Government,total	.10	.07	.00	.04	.03	.00	.18	.15	.00
State public administration	.01	.00	.00	.00	.00	.00	.08	.07	.00
Local public administration	.09	.06	.00	.04	.03	.00	.10	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blue collar worker supervisors			Metalworkng craft wkrs except mech			Blacksmiths		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.56	.89	.58	.03	.02	.01	1.08	.51	.58
Agriculture	.51	.82	.50	.02	.01	.00	1.08	.51	.58
Agricultural production	.14	.42	.29	.02	.01	.00	.78	.27	.00
Services,except horticulture	.06	.05	.05	.00	.00	.00	.30	.24	.58
Horticultural services	.30	.33	.15	.00	.00	.00	.00	.00	.00
Forestry	.04	.05	.04	.00	.00	.00	.00	.00	.00
Fisheries	.01	.02	.03	.00	.00	.01	.00	.00	.00
Mining	2.59	3.34	3.43	.52	.76	1.12	3.40	2.16	.41
Metal	.42	.39	.37	.21	.25	.37	1.52	.74	.10
Coal	.63	.86	1.14	.09	.15	.27	.73	.52	.10
Crude petroleum and natural gas	1.07	1.63	1.55	.13	.26	.39	.64	.63	.20
Nonmetallic mining and quarrying	.45	.45	.36	.08	.09	.08	.51	.25	.01
Construction	9.25	9.83	9.32	5.93	6.94	8.31	3.24	3.04	3.41
General building contractors	1.91	2.09	2.24	.46	.53	.64	.11	.09	.00
General contractors,exc building	4.24	4.12	3.45	.41	.47	.56	1.71	1.36	1.08
Special trade contractors	3.10	3.62	3.63	5.05	5.93	7.10	1.42	1.59	2.32
Manufacturing	56.69	52.60	52.58	84.93	82.28	79.85	30.60	21.28	14.68
Durable goods	32.09	29.84	28.33	76.52	73.31	68.84	28.31	19.68	13.60
Ordnance	.90	.43	.34	1.14	.58	.54	.00	.00	.00
Lumber and wood products	1.60	1.70	2.01	.91	1.12	1.52	.58	.40	.21
Logging	.12	.13	.09	.02	.03	.03	.00	.00	.00
Sawmill,planing and mill work	1.05	1.12	1.25	.67	.85	1.10	.58	.40	.21
Miscellaneous wood products	.42	.44	.67	.21	.24	.38	.00	.00	.00
Furniture and fixtures	1.49	1.61	2.20	.52	.53	.54	.19	.14	.00
Stone,clay,and glass products	2.38	2.37	2.37	1.37	1.57	1.93	1.22	.79	.24
Glass and glass products	.66	.65	.70	.60	.72	1.04	.17	.14	.10
Cement,concrete,plaster	.86	.86	.83	.19	.20	.19	.63	.39	.10
Structural clay products	.19	.15	.09	.07	.06	.05	.00	.00	.00
Pottery and related products	.12	.12	.11	.11	.10	.09	.00	.00	.00
Miscellaneous nonmetallic,stone	.54	.57	.62	.39	.46	.55	.42	.25	.04
Primary metal industries	5.02	4.35	4.02	11.31	10.27	9.83	13.04	8.17	4.61
Blast furnaces,steel works	1.99	1.63	1.70	4.06	3.51	3.32	5.52	3.10	1.27
Other primary steel	1.42	1.35	1.38	4.44	4.11	4.24	5.46	4.01	3.20
Primary aluminum	.69	.60	.39	1.20	1.22	1.03	.86	.47	.05
Other primary nonferrous	.90	.75	.53	1.59	1.42	1.24	1.20	.58	.08
Fabricated metal products	4.96	4.74	4.53	13.62	13.23	13.03	3.47	2.58	1.47
Cutlery and other hardware	.47	.52	.66	1.61	1.84	2.47	.46	.46	.77
Fabricated structural metal	1.57	1.76	2.51	4.24	4.41	5.34	1.83	1.26	.41
Screw machine products	.37	.34	.26	1.83	1.73	1.43	.15	.12	.04
Metal stamping	.87	.74	.46	2.81	2.44	2.00	.08	.05	.00
Miscellaneous fabricated metal	1.66	1.37	.62	3.13	2.80	1.78	.95	.67	.24
Machinery except electrical	5.00	4.83	3.89	23.02	23.02	19.60	4.29	3.43	2.74
Engines and turbines	.35	.34	.20	.90	.92	.57	.12	.09	.00
Farm machinery and equipment	.44	.47	.52	.90	.96	1.01	.90	.71	.48
Construction machines	.91	1.00	.98	2.15	2.37	1.87	1.06	.71	.15
Metalworking machinery	.99	.89	.59	6.91	6.76	6.65	.99	.79	.60
Office and accounting machines	.17	.12	.10	.38	.24	.16	.03	.01	.00
Electronic computing equipment	.33	.34	.28	.33	.37	.48	.00	.00	.00
Other machinery,exc electrical	1.77	1.65	1.18	11.42	11.37	8.83	1.19	1.10	1.50
Electrical machinery	3.78	3.22	2.58	7.76	6.99	6.36	.00	.00	.00
Household appliances	.51	.38	.18	.85	.71	.71	.00	.00	.00
Radio, tv communications equip	1.72	1.41	1.28	1.83	1.42	1.38	.00	.00	.00
Other electrical machinery	1.54	1.43	1.11	5.07	4.86	4.26	.00	.00	.00
Transportation equipment	4.19	3.85	3.82	13.69	12.92	12.71	5.24	3.70	2.20
Motor vehicles and equipment	.73	.73	.55	5.51	5.99	5.84	1.18	.93	.42
Aircraft and parts	2.06	1.65	1.43	5.13	4.16	3.68	.00	.00	.00
Ship,boat building and repair	.87	.86	.98	2.42	2.06	2.29	2.96	1.90	1.50
Railroad equipment	.17	.17	.10	.28	.30	.22	.98	.76	.25
Mobile dwellings	.26	.29	.61	.23	.25	.53	.00	.00	.00
Cycles,misc transportation	.09	.12	.13	.10	.13	.13	.12	.10	.01
Professional,scientific instrs	1.37	1.38	1.18	1.66	1.68	1.33	.00	.00	.00
Scientific instruments	.53	.46	.25	.77	.73	.53	.00	.00	.00
Optical,health serv supplies	.38	.45	.32	.41	.49	.33	.00	.00	.00
Photo equipment and supplies	.36	.39	.52	.37	.37	.39	.00	.00	.00
Watches and clock devices	.09	.07	.08	.10	.08	.07	.00	.00	.00
Miscellaneous manufacturing	1.35	1.30	1.35	1.48	1.35	1.41	.28	.43	2.11
Nondurable goods	24.59	22.76	24.25	8.41	8.97	11.01	2.29	1.60	1.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blue collar worker supervisors			Metalworking craft wkrs except mech			Blacksmiths		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	5.46	4.91	5.23	1.29	1.43	1.94	.51	.39	.35
Meat	.82	.80	.83	.11	.14	.18	.11	.07	.00
Dairy	.74	.51	.35	.08	.07	.09	.00	.00	.00
Canning and preserving	1.00	.98	1.28	.19	.23	.40	.21	.17	.24
Grain mill	.46	.44	.48	.22	.24	.28	.00	.00	.00
Bakery	.80	.69	.74	.14	.16	.25	.00	.00	.00
Confectionery	.22	.19	.20	.07	.07	.09	.00	.00	.00
Beverages	.74	.66	.69	.22	.23	.31	.00	.00	.00
Miscellaneous food preparation	.66	.61	.64	.23	.25	.32	.19	.14	.11
Tobacco manufacturing	.27	.20	.19	.11	.10	.13	.00	.00	.00
Textile mill products	3.15	2.69	3.10	.72	.69	.85	.00	.00	.00
Knitting mills	.67	.59	.78	.11	.10	.07	.00	.00	.00
Dyeing,finishing textiles	.30	.26	.27	.08	.09	.14	.00	.00	.00
Floor coverings	.19	.19	.35	.05	.07	.15	.00	.00	.00
Yarn and fabric mills	1.69	1.36	1.33	.37	.35	.40	.00	.00	.00
Miscellaneous textile mill	.30	.26	.36	.09	.08	.07	.00	.00	.00
Apparel and textile products	2.67	2.54	2.54	.29	.28	.28	.00	.00	.00
Apparel and accessories	2.17	1.95	1.84	.18	.15	.09	.00	.00	.00
Miscellaneous fabricated textile	.49	.58	.70	.11	.13	.19	.00	.00	.00
Paper and allied products	2.53	2.23	2.57	1.66	1.66	2.11	.57	.36	.11
Pulp,paper paperboard mills	1.05	.85	.81	.92	.87	.99	.50	.30	.11
Paperboard containers,boxes	.81	.68	.89	.39	.36	.55	.00	.00	.00
Miscellaneous paper and pulp	.66	.69	.85	.35	.42	.56	.07	.06	.00
Printing and publishing	2.23	2.23	2.61	.34	.38	.52	.00	.00	.00
Newspaper publishing, printing	.58	.59	.73	.08	.10	.16	.00	.00	.00
Other printing,exc newspapers	1.65	1.64	1.87	.26	.28	.35	.00	.00	.00
Chemicals and allied products	4.24	3.70	3.78	1.83	1.84	2.51	.84	.53	.34
Industrial chemicals	1.54	1.32	1.20	.83	.84	1.13	.51	.31	.20
Plastics and synthetics	.51	.40	.36	.24	.22	.29	.00	.00	.00
Synthetic fibers	.57	.55	.84	.26	.29	.52	.21	.15	.08
Drugs and medicines	.37	.40	.40	.09	.12	.17	.00	.00	.00
Soaps and cosmetics	.33	.29	.23	.12	.12	.15	.00	.00	.00
Paints and varnishes	.21	.19	.23	.04	.04	.06	.00	.00	.00
Agricultural chemicals	.22	.23	.22	.05	.06	.07	.00	.00	.00
Miscellaneous chemicals	.45	.28	.25	.16	.10	.09	.12	.06	.05
Petroleum and coal products	.75	.73	.61	.38	.41	.36	.16	.14	.05
Petroleum refining	.59	.56	.40	.32	.34	.28	.16	.14	.05
Misc petroleum,coal products	.15	.16	.21	.06	.07	.08	.00	.00	.00
Rubber,miscellaneous plastics	2.32	2.78	3.03	1.50	1.95	2.12	.21	.16	.21
Rubber	1.00	.94	1.14	.51	.55	.83	.21	.16	.21
Miscellaneous plastics	1.32	1.84	1.89	.98	1.39	1.28	.00	.00	.00
Leather products	.93	.70	.54	.23	.18	.15	.00	.00	.00
Leather tanning and finishing	.10	.08	.05	.02	.01	.01	.00	.00	.00
Footwear, except rubber	.58	.42	.29	.15	.11	.08	.00	.00	.00
All other leather	.24	.20	.20	.05	.05	.05	.00	.00	.00
Transportation, other public util	9.85	9.75	9.30	2.22	2.38	2.60	10.19	6.68	6.28
Transportation,total	4.45	4.19	3.48	1.56	1.24	1.04	7.58	4.45	3.87
Railroads and railway express	1.70	1.13	.68	1.10	.76	.55	7.10	4.12	3.30
Local and interurban transit	.16	.15	.18	.04	.03	.06	.43	.27	.57
Street railways and bus lines	.15	.13	.17	.04	.03	.06	.43	.27	.57
Taxicab service	.00	.01	.01	.00	.00	.00	.00	.00	.00
Trucking and warehousing	1.72	1.97	1.62	.08	.12	.10	.05	.05	.00
Trucking services	1.49	1.74	1.40	.08	.11	.09	.05	.05	.00
Warehousing and storage	.23	.22	.21	.00	.00	.00	.00	.00	.00
Water transportation	.26	.27	.27	.05	.06	.07	.00	.00	.00
Air transportation	.42	.44	.49	.25	.23	.21	.00	.00	.00
Pipelines	.06	.06	.05	.00	.01	.00	.00	.00	.00
Transportation services	.10	.14	.17	.00	.01	.02	.00	.00	.00
Communicatns,utils,sanitary serv	5.40	5.56	5.81	.66	1.13	1.56	2.61	2.22	2.41
Communications	1.37	1.56	2.62	.01	.00	.00	.00	.00	.00
Telephone(wire and radio)	1.25	1.40	2.38	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.07	.10	.11	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.04	.06	.12	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	4.02	4.00	3.19	.65	1.12	1.55	2.61	2.22	2.41
Electric light and power	1.27	1.32	.73	.30	.67	.70	.24	.38	.30
Electric-gas utilities	.90	.73	.44	.18	.23	.45	.43	.25	.10
Gas steam supply systems	.76	.69	.70	.06	.07	.13	.90	.57	.24
Water supply	.52	.58	.59	.05	.07	.12	.30	.21	.00
Sanitary services	.54	.64	.67	.04	.06	.12	.68	.74	1.77
Other utilities	.02	.02	.03	.00	.00	.01	.06	.05	.00
Wholesale and retail trade	13.23	14.57	14.87	2.77	3.32	3.59	2.51	2.10	1.15
wholesale trade	7.27	7.76	7.67	2.03	2.40	2.59	1.92	1.66	.98

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blue collar worker supervisors			Metalworking craft wkrs except mech			Blacksmiths		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whisle trade	4.67	5.24	5.56	1.46	1.80	1.89	1.07	1.04	.61
Motor vehicles and equipment	.52	.61	.76	.37	.44	.39	.08	.07	.00
Drugs,chemicals,allied product	.39	.40	.43	.04	.05	.05	.11	.09	.00
Dry goods and apparel	.23	.22	.26	.00	.00	.00	.00	.00	.00
Food and related products	1.34	1.41	1.42	.06	.07	.08	.00	.00	.00
Farm products-raw materials	.19	.27	.15	.00	.00	.00	.00	.00	.00
Electrical goods	.55	.57	.62	.19	.20	.23	.00	.00	.00
Hardware and plumbing	.29	.31	.30	.14	.15	.15	.00	.00	.00
Machinery equipment,supplies	1.12	1.42	1.58	.63	.86	.97	.88	.88	.61
Miscellaneous wholesale trade	2.59	2.51	2.10	.56	.60	.69	.85	.61	.37
Metals and minerals, other	.39	.35	.31	.25	.25	.30	.47	.35	.27
Petroleum products	.40	.43	.43	.05	.08	.14	.00	.00	.00
Scrap and waste material	.19	.22	.11	.01	.02	.01	.04	.04	.00
Alcoholic beverages	.15	.16	.11	.00	.00	.00	.00	.00	.00
Paper and paper products	.24	.20	.17	.04	.03	.04	.00	.00	.00
Lumber,construction materials	.43	.41	.41	.10	.10	.08	.34	.21	.10
Other wholesale trade	.77	.73	.52	.09	.09	.10	.00	.00	.00
Retail trade	5.96	6.81	7.20	.74	.91	1.00	.59	.43	.17
Building materials	.78	.90	.86	.31	.36	.37	.05	.02	.00
Lumber,building material	.63	.74	.63	.24	.29	.29	.00	.00	.00
Hardware and farm equipment	.15	.15	.23	.06	.06	.07	.05	.02	.00
General merchandise,total	1.90	2.01	2.43	.05	.06	.10	.00	.00	.00
Department stores,mail order	1.20	1.37	1.70	.01	.02	.05	.00	.00	.00
Limited price stores	.24	.22	.24	.00	.00	.00	.00	.00	.00
Vending machine operators	.16	.15	.15	.02	.02	.02	.00	.00	.00
Direct selling	.06	.06	.06	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.22	.19	.27	.00	.00	.02	.00	.00	.00
Food and dairy stores	.96	.98	.71	.02	.03	.02	.29	.23	.17
Grocery stores	.76	.75	.52	.01	.01	.00	.00	.00	.00
Dairy products	.04	.05	.03	.00	.00	.00	.00	.00	.00
Retail bakeries	.09	.11	.09	.01	.01	.01	.18	.12	.08
Food stores,cther	.04	.06	.05	.00	.00	.00	.11	.10	.08
Auto dealers,gas stations	.82	.93	.82	.19	.26	.24	.04	.02	.00
Motor vehicle dealers	.49	.49	.33	.05	.05	.03	.04	.02	.00
Tire,battery,accessory dealsr	.13	.17	.20	.12	.18	.18	.00	.00	.00
Gasoline service stations	.14	.20	.21	.01	.01	.00	.00	.00	.00
Miscellaneous vehicle dealers	.04	.06	.06	.01	.01	.01	.00	.00	.00
Apparel and accessory stores	.31	.35	.35	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.24	.27	.22	.00	.00	.00	.00	.00	.00
Shoe stores	.07	.08	.12	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.32	.39	.47	.05	.08	.15	.16	.09	.00
Home furnishings	.20	.21	.23	.01	.02	.04	.16	.09	.00
Household appliances,tv,radio	.12	.17	.24	.04	.06	.10	.00	.00	.00
Eating and drinking places	.20	.44	.62	.02	.01	.00	.00	.00	.00
Miscellaneous retail trade	.64	.78	.89	.07	.09	.11	.05	.05	.00
Drug stores	.12	.13	.19	.00	.00	.00	.00	.00	.00
Liquor stores	.03	.04	.04	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.13	.17	.16	.01	.02	.02	.00	.00	.00
Jewelry stores	.03	.05	.06	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.10	.08	.08	.03	.03	.04	.00	.00	.00
Retail florists	.01	.01	.01	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.20	.27	.32	.02	.03	.03	.05	.05	.00
Finance,insurance and real estate	.85	.82	.81	.03	.05	.06	.39	.43	.42
Finance,total	.31	.23	.12	.00	.00	.00	.39	.43	.42
Banking	.17	.09	.01	.00	.00	.00	.00	.00	.00
Credit agencies	.07	.06	.02	.00	.00	.00	.39	.43	.42
Stock brokers,investment cos	.06	.06	.09	.00	.00	.00	.00	.00	.00
Insurance	.28	.26	.25	.00	.00	.00	.00	.00	.00
Real estate	.26	.33	.43	.03	.04	.06	.00	.00	.00
Services, total	4.22	5.12	6.37	1.82	2.60	2.93	46.52	61.41	69.41

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blue collar worker supervisors			Metalworking craft wkrs except mech			Blacksmiths		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.15	.21	.28	.00	.00	.00	.00	.00	.00
Hotels and motels	.11	.17	.23	.00	.00	.00	.00	.00	.00
Other lodging places	.03	.03	.05	.00	.00	.00	.00	.00	.00
Other personal services	.65	.48	.37	.03	.03	.05	.00	.00	.00
Laundering and cleaning	.62	.42	.30	.03	.03	.05	.00	.00	.00
Misc personal services	.02	.05	.05	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.96	1.41	2.21	.31	.40	.44	.00	.00	.00
Advertising	.06	.06	.04	.02	.01	.00	.00	.00	.00
Business management services	.05	.05	.04	.01	.01	.02	.00	.00	.00
Commercial research,development	.07	.09	.16	.12	.18	.28	.00	.00	.00
Computer programing	.05	.06	.07	.04	.04	.03	.00	.00	.00
Detective and protective serv	.07	.13	.21	.00	.00	.00	.00	.00	.00
Services to buildings	.23	.37	.98	.01	.02	.01	.00	.00	.00
Other business services	.41	.61	.69	.09	.12	.08	.00	.00	.00
Automobile services	.24	.28	.18	.06	.09	.05	.45	.49	.24
Automobile repair	.13	.17	.08	.06	.08	.04	.41	.46	.24
Automobile services,exc repair	.10	.11	.10	.00	.00	.00	.04	.02	.00
Other repair services	.19	.24	.14	.72	1.08	.81	44.36	58.96	67.88
Electrical repair	.07	.05	.03	.05	.05	.06	.00	.00	.00
Other repair,exc electrical	.11	.18	.10	.67	1.03	.75	44.36	58.96	67.88
Motion pictures and theaters	.07	.05	.08	.02	.02	.05	.00	.00	.00
Miscellaneous entertainment	.15	.27	.36	.03	.06	.07	.98	1.29	1.24
Bowling alleys,billardrs	.01	.01	.01	.01	.01	.01	.00	.00	.00
Other entertainment	.13	.25	.35	.02	.05	.06	.98	1.29	1.24
Medical and other health service	.57	.81	1.57	.14	.24	.74	.00	.00	.00
Hospitals	.44	.57	1.18	.14	.24	.74	.00	.00	.00
Convalescent institutions	.06	.10	.24	.00	.00	.00	.00	.00	.00
Other health services	.06	.13	.13	.00	.00	.00	.00	.00	.00
Legal services	.00	.01	.01	.00	.00	.00	.00	.00	.00
Educational services	.70	.74	.58	.28	.35	.36	.67	.60	.00
Elementary and secondary school	.25	.32	.28	.08	.16	.21	.62	.55	.00
Colleges and universities	.38	.34	.26	.18	.18	.13	.05	.05	.00
Other educational services	.06	.06	.02	.01	.01	.01	.00	.00	.00
Museums,art galleries,zooos	.01	.01	.01	.00	.00	.00	.06	.06	.04
Nonprofit organizations	.26	.28	.30	.00	.00	.00	.00	.00	.00
Religious organizations	.03	.03	.01	.00	.00	.00	.00	.00	.00
Welfare services	.12	.11	.12	.00	.00	.00	.00	.00	.00
Residential welfare services	.01	.01	.01	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.09	.11	.14	.00	.00	.00	.00	.00	.00
Other professional services	.21	.28	.22	.18	.29	.32	.00	.00	.00
Engineering and architectural	.12	.17	.15	.09	.16	.21	.00	.00	.00
Accounting and auditing	.03	.04	.03	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.05	.06	.03	.09	.12	.11	.00	.00	.00
Government, total	2.71	3.02	2.69	1.71	1.61	1.48	2.06	2.35	3.61
Federal public administration	1.63	1.55	.80	1.55	1.38	1.11	.00	.00	.00
Postal services	.25	.30	.23	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	1.38	1.25	.56	1.55	1.38	1.11	.00	.00	.00
State public administration	.41	.58	.47	.05	.08	.18	.28	.27	.00
Local public administration	.66	.88	1.42	.11	.14	.18	1.78	2.08	3.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Boilermaker			Heat treaters, annealers			Forge and hammer operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	1.70	1.71	1.31	.01	.02	.00	.40	.58	.90
Metal	1.06	.72	.29	.00	.00	.00	.00	.00	.00
Coal	.09	.18	.22	.00	.00	.00	.21	.40	.87
Crude petroleum and natural gas	.51	.77	.78	.01	.02	.00	.06	.07	.00
Nonmetallic mining and quarrying	.03	.02	.01	.00	.00	.00	.12	.10	.03
Construction	15.48	15.38	13.68	.13	.12	.00	1.24	1.26	.85
General building contractors	2.25	2.04	1.87	.00	.00	.00	.16	.13	.00
General contractors,exc building	3.16	2.95	2.49	.06	.05	.00	.63	.73	.85
Special trade contractors	10.07	10.38	9.31	.07	.07	.00	.44	.39	.00
Manufacturing	57.87	48.07	44.92	99.13	99.02	99.08	95.06	94.95	96.31
Durable goods	46.01	38.91	37.58	98.71	98.73	98.79	92.00	91.50	91.27
Ordnance	.10	.04	.03	.79	.42	.35	.67	.36	.35
Lumber and wood products	.27	.30	.33	.02	.01	.00	.55	.68	1.03
Logging	.00	.00	.00	.00	.00	.00	.05	.06	.04
Sawmill,planing and mill work	.20	.20	.15	.02	.01	.00	.11	.22	.41
Miscellaneous wood products	.06	.10	.17	.00	.00	.00	.38	.39	.57
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.17	.25	.52
Stone,clay,and glass products	.52	.50	.52	.29	.37	.73	.48	.56	.81
Glass and glass products	.08	.06	.03	.12	.19	.48	.10	.15	.35
Cement,concrete,plaster	.41	.42	.48	.03	.03	.00	.20	.24	.37
Structural clay products	.01	.01	.00	.05	.05	.05	.06	.05	.03
Pottery and related products	.00	.00	.00	.07	.10	.20	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.11	.10	.05
Primary metal industries	8.88	6.34	5.12	35.65	34.32	40.67	30.25	27.53	26.74
Blast furnaces,steel works	6.64	4.76	4.15	12.42	11.47	14.87	7.01	5.68	5.02
Other primary steel	1.37	1.03	.80	16.23	16.75	22.81	18.90	17.62	18.11
Primary aluminum	.09	.06	.02	2.44	2.34	1.12	1.72	1.76	1.31
Other primary nonferrous	.78	.47	.13	4.54	3.76	1.86	2.61	2.46	2.29
Fabricated metal products	23.50	22.67	25.99	16.82	17.31	17.51	33.00	34.04	33.94
Cutlery and other hardware	.15	.17	.23	4.44	5.64	9.24	8.04	9.53	12.79
Fabricated structural metal	22.28	21.73	25.44	1.58	2.00	3.42	1.72	2.08	3.25
Screw machine products	.06	.04	.01	4.29	3.81	1.90	18.31	17.66	14.12
Metal stamping	.09	.07	.05	1.51	1.27	.57	1.72	1.65	1.41
Miscellaneous fabricated metal	.90	.64	.25	4.98	4.57	2.37	3.20	3.11	2.35
Machinery except electrical	1.79	1.29	.48	25.11	25.63	18.66	12.36	13.49	14.63
Engines and turbines	.23	.13	.01	1.75	1.80	.99	.34	.39	.40
Farm machinery and equipment	.03	.04	.06	2.14	2.53	3.24	1.51	1.58	1.43
Construction machines	.73	.54	.17	5.16	5.63	3.86	2.42	2.92	3.49
Metalworking machinery	.09	.08	.08	5.99	5.83	3.93	4.51	4.75	5.11
Office and accounting machines	.00	.00	.00	.53	.40	.30	.11	.07	.02
Electronic computing equipment	.00	.00	.00	.06	.09	.25	.10	.13	.21
Other machinery,exc electrical	.69	.48	.15	9.45	9.33	6.08	3.35	3.62	3.94
Electrical machinery	.26	.22	.25	4.67	4.25	2.61	2.61	2.55	2.36
Household appliances	.11	.07	.03	.61	.51	.36	.15	.15	.20
Radio, tv communications equip	.15	.15	.21	.76	.62	.42	.38	.37	.52
Other electrical machinery	.00	.00	.00	3.30	3.11	1.82	2.07	2.03	1.63
Transportation equipment	10.51	7.36	4.60	14.16	15.23	17.28	10.57	10.72	9.81
Motor vehicles and equipment	.31	.43	.72	7.65	9.43	11.61	5.85	6.51	6.16
Aircraft and parts	.00	.00	.00	6.06	5.40	5.48	3.32	2.81	2.37
Ship,boat building and repair	9.94	6.68	3.66	.17	.14	.14	.49	.44	.64
Railroad equipment	.24	.25	.21	.14	.13	.03	.71	.77	.53
Mobile dwellings	.00	.00	.00	.00	.00	.00	.08	.09	.08
Cycles,misc transportation	.00	.00	.00	.12	.11	.01	.08	.08	.01
Professional,scientific instrs	.00	.00	.00	.77	.81	.77	.12	.15	.12
Scientific instruments	.00	.00	.00	.49	.48	.33	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.11	.15	.10	.09	.12	.10
Photo equipment and supplies	.00	.00	.00	.04	.07	.21	.00	.00	.00
Watches and clock devices	.00	.00	.00	.11	.10	.12	.02	.02	.01
Miscellaneous manufacturing	.15	.16	.22	.39	.33	.18	1.18	1.11	.91
Nondurable goods	11.86	9.15	7.34	.41	.28	.28	3.05	3.44	5.03

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Boilermaker			Heat treaters, annealers			Forge and hammer operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.62	1.35	1.38	.00	.00	.00	.20	.18	.17
Dairy	.28	.20	.18	.00	.00	.00	.08	.06	.07
Canning and preserving	.31	.28	.33	.00	.00	.00	.04	.03	.00
Grain mill	.19	.19	.22	.00	.00	.00	.00	.00	.00
Beverages	.28	.22	.20	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.55	.45	.44	.00	.00	.00	.07	.08	.10
Textile mill products	.11	.07	.08	.06	.04	.00	.08	.05	.00
Knitting mills	.04	.04	.07	.00	.00	.00	.00	.00	.00
Floor coverings	.01	.01	.02	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.05	.02	.00	.06	.04	.00	.08	.05	.00
Apparel and textile products	.03	.01	.00	.00	.00	.00	.00	.00	.00
Apparel and accessories	.03	.01	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	1.08	.81	.74	.00	.00	.00	.38	.47	.96
Pulp, paper paperboard mills	.93	.71	.70	.00	.00	.00	.27	.27	.43
Miscellaneous paper and pulp	.15	.10	.03	.00	.00	.00	.11	.19	.53
Printing and publishing	.00	.00	.00	.00	.00	.00	2.15	2.48	3.50
Other printing, exc newspapers	.00	.00	.00	.00	.00	.00	2.15	2.48	3.50
Chemicals and allied products	4.46	3.35	3.32	.35	.23	.28	.08	.11	.23
Industrial chemicals	3.03	2.40	2.39	.09	.10	.25	.08	.11	.23
Plastics and synthetics	.46	.27	.12	.00	.00	.00	.00	.00	.00
Synthetic fibers	.36	.34	.59	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.16	.09	.01	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.03	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.40	.23	.17	.26	.13	.03	.00	.00	.00
Petroleum and coal products	4.33	3.37	1.69	.00	.00	.00	.00	.00	.00
Petroleum refining	4.23	3.31	1.68	.00	.00	.00	.00	.00	.00
Misc petroleum, coal products	.10	.05	.00	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.19	.14	.11	.00	.00	.00	.13	.14	.15
Rubber	.19	.14	.11	.00	.00	.00	.13	.14	.15
Leather products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.02	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	12.60	20.12	24.18	.03	.03	.00	2.23	1.92	1.13
Transportation, total	3.56	1.91	1.17	.03	.03	.00	1.71	1.36	.43
Railroads and railway express	3.04	1.44	.57	.03	.03	.00	1.45	1.14	.43
Local and interurban transit	.05	.04	.22	.00	.00	.00	.02	.02	.00
Street railways and bus lines	.05	.04	.22	.00	.00	.00	.02	.02	.00
Trucking and warehousing	.05	.03	.00	.00	.00	.00	.15	.13	.00
Trucking services	.05	.03	.00	.00	.00	.00	.15	.13	.00
Water transportation	.41	.39	.37	.00	.00	.00	.00	.00	.00
Air transportation	.00	.00	.00	.00	.00	.00	.08	.06	.00
Communicatns, utils, sanitary serv	9.04	18.20	23.00	.00	.00	.00	.51	.55	.70
Utilities and sanitary services	9.04	18.20	23.00	.00	.00	.00	.51	.55	.70
Electric light and power	5.05	12.37	10.83	.00	.00	.00	.19	.21	.20
Electric-gas utilities	3.40	4.98	10.58	.00	.00	.00	.03	.03	.00
Gas steam supply systems	.36	.64	1.33	.00	.00	.00	.13	.11	.06
Water supply	.19	.18	.20	.00	.00	.00	.14	.18	.43
Other utilities	.02	.02	.04	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	2.83	2.64	2.28	.53	.58	.64	.60	.54	.20
Wholesale trade	2.38	2.23	1.92	.43	.48	.60	.33	.30	.15
Wholesale, exc misc whlsle trade	1.20	1.18	.94	.15	.15	.00	.10	.09	.00
Hardware and plumbing	.67	.62	.50	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.52	.55	.44	.15	.15	.00	.10	.09	.00
Miscellaneous wholesale trade	1.17	1.04	.97	.27	.32	.60	.23	.20	.15
Metals and minerals, other	.10	.05	.02	.27	.32	.60	.14	.14	.15
Petroleum products	.39	.41	.46	.00	.00	.00	.00	.00	.00
Paper and paper products	.05	.04	.03	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.51	.36	.17	.00	.00	.00	.00	.00	.00
Other wholesale trade	.11	.16	.27	.00	.00	.00	.08	.06	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Boilermaker			Heat treaters, annealers			Forge and hammer operators		
	1970	1978	1990	1970	1978	1990	1970.	1978	1990
Retail trade	.45	.41	.36	.10	.09	.04	.26	.24	.04
Building materials	.12	.11	.09	.00	.00	.00	.00	.00	.00
Lumber,building material	.12	.11	.09	.00	.00	.00	.00	.00	.00
General merchandise,total	.00	.00	.00	.10	.09	.04	.08	.07	.04
Vending machine operators	.00	.00	.00	.10	.09	.04	.08	.07	.04
Food and dairy stores	.00	.00	.00	.00	.00	.00	.03	.02	.00
Food stores,other	.00	.00	.00	.00	.00	.00	.03	.02	.00
Auto dealers,gas stations	.01	.00	.00	.00	.00	.00	.03	.03	.00
Motor vehicle dealers	.01	.00	.00	.00	.00	.00	.03	.03	.00
Apparel and accessory stores	.02	.01	.00	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.02	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.29	.27	.27	.00	.00	.00	.11	.10	.00
Farm,garden supply stores	.04	.04	.03	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.20	.18	.23	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.05	.04	.00	.00	.00	.00	.11	.10	.00
Finance,insurance and real estate	.84	1.12	1.40	.00	.00	.00	.06	.06	.00
Real estate	.84	1.12	1.40	.00	.00	.00	.06	.06	.00
Services, total	6.98	9.92	11.93	.14	.22	.28	.35	.63	.59
Miscellaneous business services	.35	.32	.14	.09	.11	.09	.00	.00	.00
Commercial research,development	.05	.05	.03	.09	.11	.09	.00	.00	.00
Services to buildings	.30	.26	.10	.00	.00	.00	.00	.00	.00
Other repair services	3.56	5.22	3.61	.04	.11	.19	.35	.63	.59
Other repair,exc electrical	3.56	5.22	3.61	.04	.11	.19	.35	.63	.59
Miscellaneous entertainment	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other entertainment	.01	.01	.00	.00	.00	.00	.00	.00	.00
Medical and other health service	2.16	2.87	6.42	.00	.00	.00	.00	.00	.00
Hospitals	2.16	2.87	6.42	.00	.00	.00	.00	.00	.00
Educational services	.85	1.45	1.74	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.80	1.34	1.49	.00	.00	.00	.00	.00	.00
Other educational services	.04	.10	.25	.00	.00	.00	.00	.00	.00
Other professional services	.03	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.03	.04	.00	.00	.00	.00	.00	.00	.00
Government,total	1.67	1.01	.26	.00	.00	.00	.02	.02	.00
Federal public administration	1.50	.89	.26	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	1.50	.89	.26	.00	.00	.00	.00	.00	.00
Local public administration	.17	.12	.00	.00	.00	.00	.02	.02	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Job and die setters, metal			Machinists and apprentices			Millwrights		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.04	.04	.03	.03	.01	.00
Agriculture	.00	.00	.00	.03	.02	.00	.03	.01	.00
Agricultural production	.00	.00	.00	.03	.02	.00	.03	.01	.00
Fisheries	.00	.00	.00	.00	.01	.02	.00	.00	.00
Mining	.03	.05	.06	.91	1.34	2.17	1.05	1.31	1.83
Metal	.00	.00	.00	.31	.36	.62	.64	.77	1.16
Coal	.00	.00	.00	.19	.30	.58	.06	.12	.26
Crude petroleum and natural gas	.02	.03	.03	.25	.50	.80	.06	.14	.23
Nonmetallic mining and quarrying	.01	.02	.02	.15	.16	.16	.27	.27	.16
Construction	.03	.02	.00	.93	1.16	1.70	6.90	8.45	9.62
General building contractors	.00	.00	.00	.08	.10	.16	2.11	2.45	2.95
General contractors,exc building	.03	.02	.00	.46	.55	.84	1.10	1.21	1.05
Special trade contractors	.00	.00	.00	.37	.50	.69	3.69	4.78	5.60
Manufacturing	99.41	99.32	99.36	85.97	84.07	81.33	86.63	84.10	82.95
Durable goods	97.50	97.59	98.28	72.64	70.03	62.91	64.80	63.91	61.51
Ordnance	.26	.15	.17	1.68	.85	.85	1.37	.66	.43
Lumber and wood products	.10	.10	.11	.75	.91	1.37	7.14	8.14	10.43
Logging	.00	.00	.00	.02	.03	.04	.13	.18	.16
Sawmill,planing and mill work	.03	.03	.02	.46	.57	.76	6.32	7.20	9.15
Miscellaneous wood products	.07	.07	.08	.26	.30	.56	.68	.74	1.11
Furniture and fixtures	.50	.47	.34	.61	.63	.62	.60	.66	.78
Stone,clay,and glass products	.41	.36	.20	2.35	2.61	3.37	2.81	3.06	3.31
Glass and glass products	.08	.07	.04	1.17	1.36	2.02	.98	1.08	1.28
Cement,concrete,plaster	.02	.02	.01	.31	.32	.30	.49	.48	.37
Structural clay products	.02	.01	.00	.12	.11	.09	.15	.13	.08
Pottery and related products	.05	.04	.02	.19	.17	.09	.14	.19	.28
Miscellaneous nonmetallic,stone	.21	.19	.11	.54	.64	.86	1.03	1.17	1.28
Primary metal industries	6.63	5.72	4.45	5.56	5.10	5.19	23.77	21.86	23.63
Blast furnaces,steel works	1.37	.99	.61	1.99	1.53	1.11	15.82	14.14	15.62
Other primary steel	1.97	1.55	.88	1.68	1.66	2.12	4.64	4.62	5.49
Primary aluminum	1.22	1.32	1.30	.73	.80	.77	1.93	1.86	1.61
Other primary nonferrous	2.06	1.84	1.65	1.15	1.10	1.16	1.37	1.22	.91
Fabricated metal products	27.57	27.83	28.19	8.41	8.10	7.20	5.76	5.49	4.53
Cutlery and other hardware	3.82	3.97	3.67	1.06	1.34	2.20	.39	.41	.32
Fabricated structural metal	2.23	2.05	1.28	1.60	1.79	2.31	1.33	1.70	2.77
Screw machine products	6.67	6.49	5.99	1.46	1.42	1.22	.32	.27	.12
Metal stamping	7.61	7.76	9.17	1.22	1.00	.47	1.43	1.18	.54
Miscellaneous fabricated metal	7.22	7.54	8.07	3.06	2.53	.98	2.27	1.92	.77
Machinery except electrical	22.76	24.51	29.97	31.42	31.11	24.05	7.51	7.17	4.33
Engines and turbines	1.42	1.65	1.82	1.30	1.26	.63	.53	.50	.21
Farm machinery and equipment	1.43	1.30	.72	1.07	1.20	1.44	.57	.64	.73
Construction machines	1.44	1.75	2.25	3.47	3.70	2.71	1.46	1.44	.72
Metalworking machinery	4.05	4.42	5.75	5.61	5.76	5.74	1.02	.91	.47
Office and accounting machines	1.26	.81	.49	.27	.19	.12	.10	.08	.07
Electronic computing equipment	.39	.48	.85	.42	.50	.71	.05	.05	.03
Other machinery,exc electrical	12.74	14.08	18.08	19.24	18.47	12.68	3.77	3.53	2.08
Electrical machinery	18.94	18.34	19.39	6.53	6.35	6.19	3.92	3.11	1.71
Household appliances	2.53	2.16	1.93	.43	.43	.61	.60	.50	.34
Radio,tv communications equip	4.13	3.55	3.63	1.49	1.25	1.25	1.05	.70	.60
Other electrical machinery	12.27	12.62	13.82	4.60	4.66	4.31	2.27	1.90	.75
Transportation equipment	19.27	19.13	14.69	11.98	10.94	11.07	10.83	12.67	11.43
Motor vehicles and equipment	15.75	16.07	11.87	2.46	2.93	3.15	9.03	10.99	9.88
Aircraft and parts	2.79	2.13	1.45	5.40	4.39	3.49	1.22	1.00	.79
Ship,boat building and repair	.08	.08	.04	3.65	3.07	3.94	.20	.28	.39
Railroad equipment	.21	.24	.22	.34	.38	.29	.25	.24	.08
Mobile dwellings	.18	.23	.59	.03	.04	.10	.06	.08	.24
Cycles,misc transportation	.22	.35	.49	.09	.12	.08	.05	.06	.03
Professional,scientific instrs	.39	.42	.43	2.24	2.25	1.52	.63	.62	.40
Scientific instruments	.15	.16	.17	1.10	1.09	.88	.18	.16	.06
Optical,health serv supplies	.12	.16	.18	.58	.67	.37	.15	.18	.11
Photo equipment and supplies	.06	.06	.07	.48	.43	.23	.27	.26	.19
Watches and clock devices	.05	.03	.00	.07	.05	.03	.02	.01	.02
Miscellaneous manufacturing	.61	.52	.30	1.07	1.14	1.45	.42	.43	.48
Nondurable goods	1.90	1.73	1.07	13.32	14.03	18.41	21.82	20.19	21.44

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Job and die settrs, metal			Machinists and apprentices			Millwrights		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.09	.08	.07	2.33	2.50	3.73	3.34	3.24	3.20
Meat	.00	.00	.00	.18	.22	.34	.51	.52	.51
Dairy	.02	.01	.00	.17	.15	.19	.01	.01	.01
Canning and preserving	.05	.04	.04	.40	.47	.85	.27	.29	.43
Grain mill	.00	.00	.00	.19	.21	.29	1.47	1.44	1.34
Bakery	.02	.01	.01	.34	.38	.60	.07	.04	.01
Confectionery	.00	.00	.00	.14	.13	.16	.17	.17	.24
Beverages	.00	.00	.00	.47	.48	.65	.38	.38	.46
Miscellaneous food preparation	.00	.00	.00	.42	.45	.63	.43	.35	.19
Tobacco manufacturing	.00	.00	.00	.24	.21	.27	.14	.11	.08
Textile mill products	.01	.00	.00	1.61	1.45	1.81	.95	.85	.94
Knitting mills	.00	.00	.00	.30	.24	.18	.04	.03	.02
Dyeing,finishing textiles	.00	.00	.00	.17	.19	.33	.15	.12	.08
Floor coverings	.00	.00	.00	.13	.15	.37	.05	.05	.10
Yarn and fabric mills	.01	.00	.00	.81	.71	.80	.49	.44	.48
Miscellaneous textile mill	.00	.00	.00	.19	.15	.11	.21	.19	.24
Apparel and textile products	.03	.03	.03	.52	.47	.40	.14	.17	.24
Apparel and accessories	.00	.00	.00	.38	.29	.11	.02	.01	.00
Miscellaneous fabricated textile	.03	.03	.03	.14	.18	.29	.12	.16	.24
Paper and allied products	.60	.47	.29	2.01	2.05	3.01	8.74	7.46	7.45
Pulp,paper paperboard mills	.06	.05	.06	.85	.84	1.21	7.16	5.78	5.27
Paperboard containers,boxes	.34	.23	.12	.59	.57	.94	.46	.42	.54
Miscellaneous paper and pulp	.20	.17	.10	.56	.64	.84	1.11	1.25	1.63
Printing and publishing	.09	.08	.05	.58	.63	.86	.17	.20	.27
Newspaper publishing, printing	.00	.00	.00	.21	.24	.39	.04	.04	.05
Other printing,exc newspapers	.09	.08	.05	.36	.38	.46	.13	.15	.21
Chemicals and allied products	.21	.19	.22	2.53	2.47	3.63	6.47	6.18	7.53
Industrial chemicals	.05	.05	.08	1.13	1.10	1.65	3.10	3.00	3.52
Plastics and synthetics	.05	.04	.05	.33	.32	.48	.60	.48	.37
Synthetic fibers	.00	.00	.00	.29	.31	.59	1.49	1.52	2.33
Drugs and medicines	.01	.01	.01	.17	.21	.31	.14	.18	.27
Soaps and cosmetics	.01	.01	.02	.23	.23	.31	.20	.17	.11
Paints and varnishes	.03	.02	.01	.04	.04	.06	.22	.22	.26
Agricultural chemicals	.00	.00	.00	.08	.09	.12	.21	.23	.21
Miscellaneous chemicals	.03	.02	.03	.23	.13	.08	.47	.34	.43
Petroleum and coal products	.03	.02	.00	.57	.61	.59	.45	.47	.40
Petroleum refining	.02	.01	.00	.48	.51	.48	.16	.15	.09
Misc petroleum,coal products	.01	.00	.00	.09	.09	.10	.29	.31	.30
Rubber,miscellaneous plastics	.72	.78	.37	2.51	3.28	3.83	1.29	1.42	1.26
Rubber	.14	.12	.10	.85	.93	1.54	.83	.76	.71
Miscellaneous plastics	.58	.66	.27	1.65	2.35	2.29	.46	.65	.54
Leather products	.08	.04	.01	.39	.31	.25	.09	.06	.04
Leather tanning and finishing	.00	.00	.00	.04	.03	.02	.03	.02	.00
Footwear, except rubber	.03	.01	.00	.25	.18	.12	.05	.04	.04
All other leather	.05	.03	.00	.10	.09	.10	.00	.00	.00
Transportation, other public util	.14	.12	.05	3.44	3.05	3.22	1.14	1.41	1.22
Transportation,total	.04	.04	.02	2.64	1.97	1.84	.64	.91	.84
Railroads and railway express	.04	.03	.02	2.06	1.36	1.11	.03	.01	.00
Local and interurban transit	.00	.00	.00	.07	.04	.10	.01	.00	.00
Street railways and bus lines	.00	.00	.00	.07	.04	.10	.01	.00	.00
Trucking and warehousing	.00	.00	.00	.09	.11	.09	.59	.88	.84
Trucking services	.00	.00	.00	.07	.09	.07	.57	.86	.83
Warehousing and storage	.00	.00	.00	.01	.01	.01	.02	.01	.00
Water transportation	.00	.00	.00	.10	.12	.13	.00	.00	.00
Air transportation	.00	.00	.00	.26	.26	.32	.00	.00	.00
Pipelines	.00	.00	.00	.02	.02	.02	.00	.00	.00
Transportation services	.00	.00	.00	.02	.03	.05	.00	.00	.00
Communicatns,utils,sanitary serv	.09	.08	.02	.79	1.07	1.38	.50	.49	.38
Communications	.03	.02	.00	.01	.01	.00	.03	.02	.00
Telephone(wire and radio)	.03	.02	.00	.00	.00	.00	.03	.02	.00
Telegraph,misc communicatn serv	.00	.00	.00	.01	.01	.00	.00	.00	.00
Utilities and sanitary services	.06	.05	.02	.78	1.06	1.38	.47	.47	.38
Electric light and power	.01	.01	.00	.32	.56	.63	.32	.31	.18
Electric-gas utilities	.02	.02	.01	.19	.16	.09	.03	.02	.02
Gas steam supply systems	.00	.00	.00	.08	.09	.13	.07	.08	.12
Water supply	.01	.01	.01	.09	.12	.21	.00	.01	.02
Sanitary services	.00	.00	.00	.08	.12	.26	.03	.03	.03
Other utilities	.00	.00	.00	.00	.01	.03	.00	.00	.00
Wholesale and retail trade	.27	.32	.38	4.26	5.08	5.54	2.97	3.41	3.63
Wholesale trade	.22	.27	.32	3.31	3.90	4.23	2.16	2.39	2.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Job and die setters, metal			Machinists and apprentices			Millwrights		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.15	.19	.22	2.66	3.16	3.20	.98	1.27	1.54
Motor vehicles and equipment	.01	.01	.00	.88	.97	.81	.11	.15	.21
Drugs,chemicals,allied product	.02	.02	.01	.08	.09	.10	.16	.17	.16
Food and related products	.00	.00	.00	.17	.18	.18	.00	.00	.00
Electrical goods	.00	.00	.00	.28	.31	.37	.10	.10	.10
Hardware and plumbing	.00	.00	.00	.13	.14	.14	.05	.05	.03
Machinery equipment,supplies	.11	.16	.21	1.10	1.44	1.58	.54	.78	1.02
Miscellaneous wholesale trade	.07	.07	.09	.65	.74	1.03	1.17	1.11	.87
Metals and minerals, other	.04	.05	.08	.22	.25	.38	.37	.32	.19
Petroleum products	.00	.00	.00	.08	.13	.26	.05	.08	.13
Scrap and waste material	.00	.00	.00	.02	.03	.02	.03	.03	.00
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.00	.01	.01
Paper and paper products	.01	.00	.01	.06	.06	.08	.07	.05	.02
Lumber,construction materials	.00	.00	.00	.09	.09	.07	.55	.53	.44
Other wholesale trade	.01	.01	.00	.14	.15	.18	.07	.07	.05
Retail trade	.04	.05	.05	.95	1.18	1.30	.81	1.01	1.20
Building materials	.01	.01	.02	.15	.17	.17	.48	.65	.82
Lumber,building material	.00	.00	.00	.07	.09	.10	.32	.44	.45
Hardware and farm equipment	.01	.01	.02	.08	.07	.06	.15	.20	.36
General merchandise,total	.01	.01	.03	.09	.11	.22	.04	.02	.00
Department stores,mail order	.00	.00	.00	.03	.05	.12	.00	.00	.00
Vending machine operators	.01	.01	.03	.03	.03	.03	.02	.01	.00
Direct selling	.00	.00	.00	.01	.01	.02	.00	.00	.00
Miscellaneous merchandise store	.00	.00	.00	.00	.01	.03	.01	.01	.00
Food and dairy stores	.00	.00	.00	.04	.05	.04	.06	.05	.01
Grocery stores	.00	.00	.00	.02	.01	.00	.04	.03	.00
Retail bakeries	.00	.00	.00	.02	.02	.03	.01	.01	.01
Food stores,cther	.00	.00	.00	.00	.01	.01	.00	.00	.00
Auto dealers,gas stations	.01	.00	.00	.48	.62	.60	.03	.02	.00
Motor vehicle dealers	.01	.00	.00	.11	.10	.07	.03	.02	.00
Tire,battery,accessory dealrs	.00	.00	.00	.31	.45	.46	.00	.00	.00
Gasoline service stations	.00	.00	.00	.03	.03	.02	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.02	.03	.04	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.05	.08	.16	.01	.06	.19
Home furnishings	.00	.00	.00	.01	.03	.08	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.03	.04	.07	.01	.06	.19
Eating and drinking places	.00	.00	.00	.02	.02	.00	.07	.04	.00
Miscellaneous retail trade	.00	.00	.00	.08	.09	.10	.09	.14	.16
Farm,garden supply stores	.00	.00	.00	.02	.03	.03	.06	.11	.16
Fuel and ice dealers	.00	.00	.00	.02	.02	.02	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.03	.04	.04	.02	.02	.00
Finance,insurance and real estate	.00	.00	.00	.00	.00	.01	.02	.02	.00
Finance,total	.00	.00	.00	.00	.00	.01	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.00	.00	.01	.00	.00	.00
Real estate	.00	.00	.00	.00	.00	.00	.02	.02	.00
Services, total	.09	.15	.14	2.17	3.05	4.20	.64	.83	.59
Other personal services	.00	.00	.00	.08	.08	.13	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.08	.08	.13	.00	.00	.00
Miscellaneous business services	.00	.01	.01	.50	.66	.72	.17	.19	.17
Business management services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Commercial research,development	.00	.01	.01	.22	.31	.51	.08	.11	.15
Computer programing	.00	.00	.00	.05	.05	.01	.04	.04	.02
Services to buildings	.00	.00	.00	.01	.01	.01	.04	.04	.00
Other business services	.00	.00	.00	.19	.26	.16	.00	.00	.00
Automobile services	.00	.00	.00	.17	.22	.12	.00	.00	.00
Automobile repair	.00	.00	.00	.15	.21	.10	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.02	.01	.01	.00	.00	.00
Other repair services	.07	.11	.08	.38	.61	.68	.25	.35	.16
Electrical repair	.00	.00	.00	.11	.10	.13	.03	.02	.01
Other repair,exc electrical	.07	.11	.08	.26	.50	.54	.22	.32	.15
Motion pictures and theaters	.00	.00	.00	.06	.05	.10	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.07	.13	.18	.00	.00	.00
Bowling alleys,billardrs	.00	.00	.00	.03	.03	.02	.00	.00	.00
Other entertainment	.00	.00	.00	.04	.10	.15	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Job and die settrs, metal			Machinists and apprentices			Millwrights		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.14	.28	1.17	.00	.00	.00
Hospitals	.00	.00	.00	.14	.28	1.17	.00	.00	.00
Educational services	.00	.00	.00	.48	.55	.53	.05	.04	.00
Elementary and secondary school	.00	.00	.00	.08	.17	.27	.03	.02	.00
Colleges and universities	.00	.00	.00	.37	.35	.25	.02	.01	.00
Other educational services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other professional services	.01	.01	.03	.27	.43	.53	.15	.23	.24
Engineering and architectural	.00	.00	.00	.13	.22	.34	.10	.18	.21
Miscellaneous professional serv	.01	.01	.03	.14	.20	.19	.05	.05	.03
Government, total	.00	.00	.00	2.24	2.16	1.76	.58	.42	.13
Federal public administration	.00	.00	.00	1.97	1.77	1.11	.55	.39	.13
Federal pub adm, exc post office	.00	.00	.00	1.97	1.77	1.11	.55	.39	.13
State public administration	.00	.00	.00	.09	.16	.35	.00	.00	.00
Local public administration	.00	.00	.00	.17	.22	.29	.03	.03	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Molders, metal and apprentices			Pattern and moldmakers			Rollers and finishers, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.00	.00	.00	.00	.00	.00	.02	.02	.04
Metal	.00	.00	.00	.00	.00	.00	.02	.02	.04
Construction	.00	.00	.00	.76	.94	1.12	.22	.20	.00
General building contractors	.00	.00	.00	.06	.05	.00	.07	.06	.00
General contractors,exc building	.00	.00	.00	.18	.24	.49	.15	.13	.00
Special trade contractors	.00	.00	.00	.52	.64	.62	.00	.00	.00
Manufacturing	100.00	100.00	100.00	93.87	91.80	84.69	99.45	99.38	99.32
Durable goods	100.00	100.00	100.00	88.22	85.58	76.32	98.86	98.84	98.85
Ordnance	.11	.09	.17	.71	.38	.39	.03	.01	.00
Lumber and wood products	.00	.00	.00	1.46	1.45	1.42	.05	.06	.08
Sawmill,planing and mill work	.00	.00	.00	.41	.59	.80	.02	.01	.00
Miscellaneous wood products	.00	.00	.00	1.04	.85	.62	.03	.04	.08
Furniture and fixtures	.00	.00	.00	1.05	1.16	1.48	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	1.29	1.37	1.66	.51	.55	.40
Glass and glass products	.00	.00	.00	.59	.65	.90	.07	.08	.08
Cement,concrete,plaster	.00	.00	.00	.18	.18	.17	.00	.00	.00
Structural clay products	.00	.00	.00	.10	.08	.06	.04	.04	.02
Pottery and related products	.00	.00	.00	.10	.12	.21	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.31	.32	.30	.39	.42	.29
Primary metal industries	52.31	50.05	47.80	9.45	8.99	9.41	72.01	66.39	58.10
Blast furnaces,steel works	3.87	3.43	3.97	1.04	.97	1.28	51.00	44.57	37.35
Other primary steel	36.89	35.58	35.86	6.71	6.49	7.26	12.48	12.10	10.06
Primary aluminum	5.37	5.48	3.76	.94	.87	.41	3.80	4.66	4.88
Other primary nonferrous	6.16	5.55	4.19	.75	.65	.45	4.71	5.04	5.80
Fabricated metal products	9.39	9.63	8.90	5.97	5.93	5.02	19.15	22.57	25.59
Cutlery and other hardware	1.01	1.11	1.10	.50	.61	.90	3.70	4.62	5.71
Fabricated structural metal	2.40	2.77	3.80	2.43	2.60	2.59	6.73	7.52	6.60
Screw machine products	.18	.17	.11	.06	.05	.02	1.07	1.30	1.68
Metal stamping	.80	.73	.50	1.16	1.05	.71	2.54	3.07	4.53
Miscellaneous fabricated metal	4.99	4.82	3.37	1.81	1.60	.79	5.10	6.04	7.06
Machinery except electrical	17.79	18.83	19.13	16.87	16.79	13.05	1.65	2.28	4.03
Engines and turbines	.39	.40	.25	.52	.56	.38	.10	.19	.43
Farm machinery and equipment	1.02	.83	.73	.79	.75	.88	.10	.11	.04
Construction machines	1.63	1.89	1.82	1.50	1.68	1.42	.21	.32	.57
Metalworking machinery	7.20	7.60	7.75	2.66	2.60	1.97	.13	.16	.20
Office and accounting machines	.21	.17	.18	.83	.55	.28	.12	.07	.00
Electronic computing equipment	.10	.12	.20	.77	.82	.63	.00	.00	.00
Other machinery,exc electrical	7.21	7.78	8.17	9.78	9.79	7.47	.96	1.41	2.77
Electrical machinery	11.88	11.39	9.94	13.78	11.74	7.90	2.73	3.63	6.63
Household appliances	1.46	1.32	1.22	1.60	1.28	.74	.16	.21	.43
Radio, tv communications equip	1.86	1.46	1.42	5.71	4.43	3.52	.30	.31	.47
Other electrical machinery	8.54	8.60	7.28	6.45	6.02	3.63	2.27	3.11	5.73
Transportation equipment	7.65	9.08	13.13	21.14	21.90	23.20	2.23	2.83	3.63
Motor vehicles and equipment	3.41	4.10	4.90	9.25	10.95	12.45	1.28	1.63	1.87
Aircraft and parts	1.23	1.18	1.44	8.80	7.73	7.62	.25	.29	.45
Ship,boat building and repair	1.47	1.80	2.29	2.48	2.47	2.36	.40	.51	.31
Railroad equipment	.35	.41	.38	.34	.36	.21	.10	.10	.03
Mobile dwellings	1.08	1.40	3.85	.05	.07	.22	.18	.27	.96
Cycles,misc transportation	.09	.15	.26	.20	.29	.32	.00	.00	.00
Professional,scientific instrs	.25	.31	.37	2.48	2.45	1.90	.24	.26	.17
Scientific instruments	.09	.09	.09	1.21	1.05	.46	.08	.10	.07
Optical,health serv supplies	.13	.19	.23	.43	.50	.24	.07	.10	.09
Photo equipment and supplies	.00	.00	.00	.61	.70	1.00	.00	.00	.00
Watches and clock devices	.02	.03	.04	.21	.18	.19	.08	.05	.00
Miscellaneous manufacturing	.59	.58	.52	13.99	13.36	10.85	.23	.22	.18
Nondurable goods	.00	.00	.00	5.65	6.22	8.37	.59	.54	.46

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Molders, metal and apprentices			Pattern and moldmakers			Rollers and finishers, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	.10	.11	.14
Dairy	.00	.00	.00	.00	.00	.00	.06	.05	.06
Grain mill	.00	.00	.00	.00	.00	.00	.04	.05	.07
Tobacco manufacturing	.00	.00	.00	.04	.03	.03	.00	.00	.00
Textile mill products	.00	.00	.00	.32	.32	.52	.04	.02	.00
Floor coverings	.00	.00	.00	.09	.05	.01	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.23	.26	.51	.04	.02	.00
Apparel and textile products	.00	.00	.00	1.51	1.62	2.05	.00	.00	.00
Apparel and accessories	.00	.00	.00	.99	1.07	1.57	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.51	.55	.47	.00	.00	.00
Paper and allied products	.00	.00	.00	.32	.31	.37	.12	.11	.10
Pulp,paper paperboard mills	.00	.00	.00	.11	.08	.05	.12	.11	.10
Paperboard containers,boxes	.00	.00	.00	.07	.06	.05	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.13	.15	.26	.00	.00	.00
Printing and publishing	.00	.00	.00	.45	.57	1.04	.10	.08	.00
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.07	.05	.00
Other printing,exc newspapers	.00	.00	.00	.45	.57	1.04	.03	.03	.00
Chemicals and allied products	.00	.00	.00	.24	.24	.36	.21	.20	.22
Industrial chemicals	.00	.00	.00	.07	.07	.10	.10	.11	.19
Plastics and synthetics	.00	.00	.00	.14	.13	.21	.10	.08	.02
Soaps and cosmetics	.00	.00	.00	.02	.03	.04	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	1.44	2.01	2.87	.00	.00	.00
Rubber	.00	.00	.00	.51	.56	.97	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.93	1.45	1.90	.00	.00	.00
Leather products	.00	.00	.00	1.29	1.09	1.09	.00	.00	.00
Footwear, except rubber	.00	.00	.00	1.13	.93	.86	.00	.00	.00
All other leather	.00	.00	.00	.16	.15	.23	.00	.00	.00
Transportation, other public util	.00	.00	.00	.21	.20	.19	.09	.09	.09
Transportation,total	.00	.00	.00	.12	.08	.00	.00	.00	.00
Railroads and railway express	.00	.00	.00	.07	.04	.00	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.05	.04	.00	.00	.00	.00
Trucking services	.00	.00	.00	.05	.04	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.09	.11	.19	.09	.09	.09
Utilities and sanitary services	.00	.00	.00	.09	.11	.19	.09	.09	.09
Electric light and power	.00	.00	.00	.04	.06	.13	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.01	.01	.00	.03	.02	.00
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.03	.02	.00
Water supply	.00	.00	.00	.02	.03	.05	.03	.04	.09
Wholesale and retail trade	.00	.00	.00	1.60	1.88	2.43	.18	.26	.53
Wholesale trade	.00	.00	.00	1.41	1.70	2.26	.18	.26	.53
Wholesale,exc misc whlsle trade	.00	.00	.00	.89	1.18	1.76	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.07	.12	.34	.00	.00	.00
Electrical goods	.00	.00	.00	.27	.30	.36	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.05	.06	.05	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.49	.70	1.00	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	.51	.51	.50	.18	.26	.53
Metals and minerals, other	.00	.00	.00	.14	.17	.30	.18	.26	.53
Petroleum products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Paper and paper products	.00	.00	.00	.12	.10	.06	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other wholesale trade	.00	.00	.00	.21	.20	.12	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Molders, metal and apprentices			Pattern and moldmakers			Rollers and finishers, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.18	.18	.16	.00	.00	.00
Building materials	.00	.00	.00	.02	.02	.00	.00	.00	.00
Lumber,building material	.00	.00	.00	.02	.02	.00	.00	.00	.00
General merchandise,total	.00	.00	.00	.06	.05	.16	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.06	.05	.16	.00	.00	.00
Food and dairy stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Retail bakeries	.00	.00	.00	.01	.00	.00	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.02	.02	.00	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.02	.02	.00	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.03	.03	.00	.00	.00	.00
Home furnishings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.02	.02	.00	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.02	.02	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.02	.02	.00	.00	.00	.00
Services, total	.00	.00	.00	1.38	2.05	2.82	.02	.02	.00
Miscellaneous business services	.00	.00	.00	.77	1.03	1.47	.02	.02	.00
Advertising	.00	.00	.00	.12	.10	.05	.00	.00	.00
Business management services	.00	.00	.00	.17	.25	.30	.00	.00	.00
Commercial research,development	.00	.00	.00	.27	.41	.83	.00	.00	.00
Computer programing	.00	.00	.00	.07	.09	.05	.00	.00	.00
Other business services	.00	.00	.00	.11	.17	.23	.02	.02	.00
Other repair services	.00	.00	.00	.05	.09	.15	.00	.00	.00
Electrical repair	.00	.00	.00	.01	.02	.06	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.03	.07	.09	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.07	.09	.23	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other entertainment	.00	.00	.00	.01	.01	.00	.00	.00	.00
Educational services	.00	.00	.00	.00	.01	.00	.00	.00	.00
Elementary and secondary school	.00	.00	.00	.00	.01	.00	.00	.00	.00
Other professional services	.00	.00	.00	.46	.79	.95	.00	.00	.00
Engineering and architectural	.00	.00	.00	.22	.37	.49	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.24	.42	.45	.00	.00	.00
Government,total	.00	.00	.00	2.16	3.10	8.74	.00	.00	.00
Federal public administration	.00	.00	.00	2.12	3.07	8.74	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	2.12	3.07	8.74	.00	.00	.00
State public administration	.00	.00	.00	.03	.03	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sheetmetal workers and apprentices			Tool and die makers and apprentices			Mechanics, repairers, installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.01	.01	.01	.00	.00	.00	.24	.38	.39
Agriculture	.00	.00	.01	.00	.00	.00	.20	.34	.36
Agricultural production	.00	.00	.00	.00	.00	.00	.12	.24	.25
Services, except horticulture	.00	.00	.01	.00	.00	.00	.04	.05	.06
Horticultural services	.00	.00	.00	.00	.00	.00	.03	.04	.04
Forestry	.00	.00	.00	.00	.00	.00	.03	.03	.01
Fisheries	.00	.00	.00	.00	.00	.00	.00	.01	.01
Mining	.09	.11	.16	.06	.10	.12	1.31	1.64	1.79
Metal	.06	.07	.11	.01	.01	.01	.31	.30	.36
Coal	.00	.00	.00	.00	.00	.00	.39	.54	.72
Crude petroleum and natural gas	.02	.04	.05	.04	.08	.10	.35	.53	.49
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.25	.25	.21
Construction	34.73	41.15	47.01	.04	.03	.00	4.44	5.27	5.47
General building contractors	1.61	1.73	2.01	.02	.01	.00	.20	.23	.35
General contractors, exc building	.25	.22	.10	.02	.01	.00	1.73	1.76	2.03
Special trade contractors	32.86	39.19	44.90	.00	.00	.00	2.50	3.27	3.09
Manufacturing	52.32	46.35	41.86	97.21	96.62	96.62	26.52	24.50	26.42
Durable goods	49.34	43.60	38.57	92.89	91.86	91.14	16.41	15.50	17.86
Ordnance	.77	.37	.30	1.43	.72	.59	.55	.28	.26
Lumber and wood products	.08	.08	.09	.14	.18	.25	.41	.40	.44
Logging	.00	.00	.00	.00	.00	.01	.04	.04	.03
Sawmill, planing and mill work	.06	.05	.05	.04	.06	.10	.26	.25	.27
Miscellaneous wood products	.02	.02	.04	.09	.10	.14	.10	.10	.14
Furniture and fixtures	.57	.51	.35	.57	.60	.71	.26	.28	.35
Stone, clay, and glass products	.40	.39	.45	.70	.77	.97	1.07	.99	.79
Glass and glass products	.16	.17	.23	.18	.23	.39	.28	.27	.25
Cement, concrete, plaster	.05	.03	.00	.04	.05	.08	.46	.40	.27
Structural clay products	.00	.00	.00	.04	.03	.01	.08	.06	.03
Pottery and related products	.00	.00	.00	.09	.10	.13	.04	.04	.03
Miscellaneous nonmetallic, stone	.16	.18	.21	.33	.34	.34	.19	.20	.18
Primary metal industries	1.74	1.46	1.45	5.28	5.16	5.89	1.82	1.62	1.63
Blast furnaces, steel works	.69	.58	.68	.90	.88	1.35	.86	.67	.57
Other primary steel	.34	.32	.42	1.64	1.60	2.06	.42	.40	.44
Primary aluminum	.22	.18	.16	1.27	1.32	1.17	.25	.28	.29
Other primary nonferrous	.48	.36	.17	1.47	1.34	1.29	.27	.26	.32
Fabricated metal products	18.46	18.18	18.83	16.80	16.37	15.35	1.49	1.60	1.96
Cutlery and other hardware	.12	.09	.03	2.98	3.56	5.23	.14	.15	.26
Fabricated structural metal	16.38	16.58	18.19	1.13	1.26	1.68	.31	.32	.33
Screw machine products	.05	.03	.00	1.62	1.48	1.06	.09	.09	.10
Metal stamping	.72	.54	.22	8.28	7.52	5.74	.26	.29	.41
Miscellaneous fabricated metal	1.17	.92	.36	2.76	2.53	1.63	.67	.74	.93
Machinery except electrical	6.32	5.47	3.05	35.37	35.82	34.61	3.05	3.39	4.68
Engines and turbines	.25	.23	.10	.83	.85	.59	.18	.22	.28
Farm machinery and equipment	.35	.35	.33	.82	.94	1.04	.20	.21	.21
Construction machines	.73	.68	.36	1.35	1.57	1.80	.50	.62	.84
Metalworking machinery	.38	.32	.18	23.49	23.63	22.92	.22	.26	.40
Office and accounting machines	.09	.07	.07	.60	.39	.25	.36	.21	.17
Electronic computing equipment	.18	.17	.13	.46	.50	.51	.34	.42	.69
Other machinery, exc electrical	4.31	3.63	1.86	7.79	7.91	7.47	1.22	1.42	2.06
Electrical machinery	3.77	2.82	1.38	10.11	9.08	7.71	2.00	1.88	2.48
Household appliances	.52	.35	.13	1.28	1.15	1.21	.32	.31	.39
Radio, tv communications equip	.99	.66	.47	2.38	1.85	1.95	.57	.42	.38
Other electrical machinery	2.25	1.81	.77	6.44	6.08	4.55	1.10	1.14	1.70
Transportation equipment	15.66	12.93	11.75	17.18	17.60	19.02	4.73	4.00	4.19
Motor vehicles and equipment	1.94	2.09	2.15	9.69	10.82	11.36	2.31	2.08	2.28
Aircraft and parts	8.75	6.87	5.88	6.68	5.91	6.47	1.78	1.34	1.19
Ship, boat building and repair	3.80	2.76	2.06	.36	.32	.55	.46	.34	.35
Railroad equipment	.10	.10	.04	.25	.29	.24	.10	.12	.13
Mobile dwellings	.97	1.01	1.53	.07	.08	.22	.04	.05	.14
Cycles, misc transportation	.06	.08	.06	.11	.16	.16	.03	.05	.08
Professional, scientific instrs	.85	.80	.61	3.19	3.37	3.41	.55	.62	.73
Scientific instruments	.35	.29	.12	1.41	1.30	.86	.23	.24	.26
Optical, health serv supplies	.14	.17	.11	.80	1.01	.86	.12	.18	.26
Photo equipment and supplies	.34	.34	.37	.61	.74	1.36	.16	.16	.18
Watches and clock devices	.00	.00	.00	.35	.31	.33	.03	.02	.02
Miscellaneous manufacturing	.68	.53	.25	2.08	2.14	2.57	.43	.39	.32
Nondurable goods	2.98	2.75	3.29	4.31	4.76	5.48	10.11	8.99	8.56

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sheetmetal workers and apprentices			Tool and die/mkrs and apprentices			Mechanics, repairers, installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.77	.71	.79	.10	.10	.17	2.62	2.18	1.79
Meat	.07	.06	.04	.00	.00	.00	.26	.24	.20
Dairy	.01	.00	.00	.01	.01	.00	.38	.23	.12
Canning and preserving	.05	.04	.05	.01	.01	.02	.50	.48	.49
Grain mill	.26	.25	.29	.01	.01	.03	.17	.15	.13
Bakery	.04	.04	.04	.03	.03	.05	.41	.31	.23
Confectionery	.05	.04	.05	.01	.02	.05	.09	.08	.07
Beverages	.08	.06	.04	.00	.00	.00	.43	.34	.24
Miscellaneous food preparation	.17	.18	.25	.00	.00	.00	.35	.31	.26
Tobacco manufacturing	.08	.07	.09	.02	.01	.02	.18	.13	.09
Textile mill products	.16	.13	.16	.07	.07	.13	2.17	1.77	1.80
Knitting mills	.00	.00	.00	.00	.00	.00	.52	.48	.61
Dyeing,finishing textiles	.01	.01	.00	.01	.01	.01	.09	.08	.07
Floor coverings	.01	.00	.00	.00	.00	.00	.07	.07	.09
Yarn and fabric mills	.11	.10	.14	.03	.03	.05	1.35	1.01	.87
Miscellaneous textile mill	.02	.01	.00	.02	.02	.06	.12	.11	.14
Apparel and textile products	.04	.06	.12	.14	.15	.17	.56	.55	.56
Apparel and accessories	.00	.00	.00	.03	.02	.00	.39	.38	.39
Miscellaneous fabricated textile	.04	.06	.12	.11	.13	.17	.16	.17	.16
Paper and allied products	.31	.29	.34	.89	.85	1.28	1.18	1.05	1.06
Pulp,paper paperboard mills	.24	.20	.16	.10	.10	.14	.44	.35	.30
Paperboard containers,boxes	.01	.01	.01	.64	.56	.80	.35	.29	.31
Miscellaneous paper and pulp	.06	.08	.16	.14	.18	.33	.38	.40	.44
Printing and publishing	.14	.15	.19	.22	.23	.29	.45	.43	.44
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.15	.15	.19
Other printing,exc newspapers	.14	.15	.19	.22	.23	.29	.29	.28	.24
Chemicals and allied products	1.10	.95	1.14	.69	.65	.93	1.69	1.54	1.74
Industrial chemicals	.46	.38	.37	.19	.16	.16	.71	.63	.67
Plastics and synthetics	.12	.10	.13	.24	.22	.28	.20	.17	.19
Synthetic fibers	.22	.22	.37	.04	.05	.17	.23	.23	.35
Drugs and medicines	.09	.08	.04	.05	.07	.13	.12	.13	.14
Soaps and cosmetics	.06	.05	.04	.05	.04	.05	.12	.12	.13
Paints and varnishes	.01	.02	.07	.02	.03	.07	.04	.04	.05
Agricultural chemicals	.03	.03	.04	.00	.00	.00	.09	.08	.05
Miscellaneous chemicals	.08	.05	.05	.07	.04	.05	.15	.10	.12
Petroleum and coal products	.09	.10	.13	.05	.06	.08	.30	.29	.22
Petroleum refining	.07	.06	.04	.03	.04	.05	.25	.23	.16
Misc petroleum,coal products	.02	.03	.09	.02	.02	.03	.05	.05	.06
Rubber,miscellaneous plastics	.25	.25	.30	1.96	2.49	2.29	.78	.91	.75
Rubber	.20	.17	.17	.41	.43	.65	.34	.30	.29
Miscellaneous plastics	.05	.08	.12	1.54	2.05	1.64	.44	.60	.46
Leather products	.00	.00	.00	.14	.11	.09	.13	.10	.07
Leather tanning and finishing	.00	.00	.00	.01	.01	.01	.02	.01	.00
Footwear, except rubber	.00	.00	.00	.05	.04	.03	.08	.06	.04
All other leather	.00	.00	.00	.06	.05	.05	.03	.02	.02
Transportation, other public util	2.61	2.18	1.41	.16	.19	.29	10.51	9.27	7.94
Transportation,total	2.33	1.86	1.18	.07	.08	.07	6.83	5.86	5.08
Railroads and railway express	1.08	.78	.46	.03	.03	.01	1.97	1.29	.83
Local and interurban transit	.06	.06	.08	.00	.00	.00	.76	.56	.71
Street railways and bus lines	.06	.06	.08	.00	.00	.00	.70	.47	.63
Taxicab service	.00	.00	.00	.00	.00	.00	.06	.08	.08
Trucking and warehousing	.02	.01	.00	.01	.00	.00	1.83	1.77	1.36
Trucking services	.02	.01	.00	.01	.00	.00	1.77	1.72	1.32
Warehousing and storage	.00	.00	.00	.00	.00	.00	.06	.05	.04
Water transportation	.02	.03	.02	.00	.00	.00	.22	.20	.15
Air transportation	1.14	.96	.60	.03	.03	.06	1.93	1.90	1.86
Pipelines	.00	.00	.00	.00	.00	.00	.03	.03	.02
Transportation services	.00	.00	.00	.00	.00	.00	.06	.08	.11
Communicatns,utils,sanitary serv	.27	.31	.23	.08	.11	.22	3.68	3.41	2.86
Communications	.00	.00	.00	.00	.00	.00	.36	.33	.39
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.23	.20	.25
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.05	.06	.06
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.08	.06	.07
Utilities and sanitary services	.26	.31	.23	.08	.11	.22	3.31	3.07	2.46
Electric light and power	.12	.17	.04	.03	.04	.06	.76	.82	.64
Electric-gas utilities	.06	.04	.01	.02	.01	.02	.78	.68	.62
Gas steam supply systems	.03	.03	.05	.01	.02	.06	.95	.81	.65
Water supply	.01	.02	.05	.00	.01	.06	.60	.56	.36
Sanitary services	.02	.03	.05	.00	.00	.00	.19	.18	.16
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.01
Wholesale and retail trade	4.37	4.70	4.50	1.12	1.38	1.89	31.86	30.72	30.48
Wholesale trade	2.28	2.32	2.22	1.00	1.21	1.51	7.81	8.09	7.14

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sheetmetal workers and apprentices			Tool and die makers and apprentices			Mechanics, repairers, installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	1.25	1.41	1.47	.83	1.02	1.27	6.61	6.89	5.99
Motor vehicles and equipment	.09	.11	.13	.09	.11	.16	1.19	1.15	1.08
Drugs, chemicals, allied product	.00	.00	.00	.00	.00	.00	.06	.06	.06
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.02	.01	.01
Food and related products	.02	.02	.04	.00	.00	.00	.39	.37	.27
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.05	.06	.03
Electrical goods	.20	.20	.21	.26	.27	.29	.50	.47	.45
Hardware and plumbing	.44	.46	.43	.08	.09	.08	.20	.23	.17
Machinery equipment, supplies	.48	.60	.64	.39	.54	.73	4.17	4.51	3.89
Miscellaneous wholesale trade	1.03	.91	.74	.17	.18	.23	1.20	1.19	1.14
Metals and minerals, other	.83	.72	.61	.05	.05	.06	.08	.08	.09
Petroleum products	.00	.01	.01	.01	.03	.07	.35	.35	.25
Scrap and waste material	.03	.03	.03	.00	.00	.00	.22	.23	.17
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.02	.03	.02
Paper and paper products	.00	.00	.00	.02	.02	.01	.08	.06	.08
Lumber, construction materials	.09	.08	.04	.01	.01	.02	.09	.09	.12
Other wholesale trade	.06	.05	.02	.05	.05	.05	.34	.33	.38
Retail trade	2.08	2.37	2.27	.12	.17	.37	24.04	22.63	23.34
Building materials	1.58	1.82	1.71	.01	.01	.03	2.12	2.02	1.72
Lumber, building material	1.45	1.69	1.56	.01	.01	.03	.46	.55	.38
Hardware and farm equipment	.13	.13	.15	.00	.00	.00	1.65	1.46	1.33
General merchandise, total	.05	.04	.00	.02	.01	.01	1.45	1.53	2.25
Department stores, mail order	.03	.03	.00	.00	.00	.00	.76	.86	1.25
Limited price stores	.00	.00	.00	.00	.00	.00	.02	.01	.00
Vending machine operators	.01	.01	.00	.02	.01	.01	.52	.53	.79
Direct selling	.00	.00	.00	.00	.00	.00	.03	.03	.03
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.10	.09	.17
Food and dairy stores	.01	.00	.00	.00	.00	.00	.25	.29	.35
Grocery stores	.01	.00	.00	.00	.00	.00	.15	.18	.23
Dairy products	.00	.00	.00	.00	.00	.00	.02	.03	.02
Retail bakeries	.00	.00	.00	.00	.00	.00	.04	.05	.06
Food stores, cther	.00	.00	.00	.00	.00	.00	.02	.03	.03
Auto dealers, gas stations	.04	.03	.00	.02	.01	.03	16.78	15.21	15.52
Motor vehicle dealers	.01	.01	.00	.02	.01	.00	11.06	9.91	9.89
Tire, battery, accessory dealers	.00	.00	.00	.00	.00	.03	.81	1.01	1.34
Gasoline service stations	.01	.00	.00	.00	.00	.00	4.44	3.61	3.43
Miscellaneous vehicle dealers	.01	.02	.00	.00	.00	.00	.47	.66	.84
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.05	.04	.04
Apparel, accessory, except shoes	.00	.00	.00	.00	.00	.00	.03	.03	.02
Shoe stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Furniture and appliance stores	.18	.25	.32	.03	.07	.18	1.86	1.81	1.42
Home furnishings	.00	.00	.00	.02	.03	.08	.21	.18	.12
Household appliances, tv, radio	.18	.25	.32	.01	.03	.09	1.64	1.63	1.30
Eating and drinking places	.02	.02	.00	.00	.00	.00	.11	.21	.22
Miscellaneous retail trade	.17	.18	.23	.02	.04	.11	1.40	1.48	1.80
Drug stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Farm, garden supply stores	.00	.00	.00	.00	.00	.00	.11	.16	.20
Fuel and ice dealers	.13	.13	.18	.00	.00	.00	.53	.47	.33
Misc retail trade stores	.03	.04	.04	.02	.04	.11	.73	.81	1.23
Finance, insurance and real estate	.05	.06	.06	.00	.00	.00	.28	.32	.33
Finance, total	.00	.00	.00	.00	.00	.00	.04	.05	.08
Banking	.00	.00	.00	.00	.00	.00	.03	.03	.06
Credit agencies	.00	.00	.00	.00	.00	.00	.00	.00	.01
Stock brokers, investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.00
Insurance	.00	.00	.00	.00	.00	.00	.04	.03	.02
Real estate	.05	.06	.06	.00	.00	.00	.19	.23	.23
Services, total	1.47	1.72	1.48	.68	.96	.83	19.82	23.40	23.58

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sheetmetal workers and apprentices			Tool and die makers and apprentices			Mechanics, repairers, installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.14	.19	.23
Hotels and motels	.00	.00	.00	.00	.00	.00	.11	.16	.19
Other lodging places	.00	.00	.00	.00	.00	.00	.03	.02	.03
Other personal services	.00	.00	.00	.00	.00	.00	.26	.20	.15
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.24	.15	.11
Misc personal services	.00	.00	.00	.00	.00	.00	.02	.04	.03
Miscellaneous business services	.35	.40	.37	.16	.20	.27	1.40	1.88	2.57
Advertising	.10	.08	.03	.00	.00	.00	.08	.06	.03
Business management services	.03	.04	.06	.00	.00	.00	.05	.06	.09
Commercial research, development	.08	.11	.15	.07	.10	.15	.06	.08	.14
Computer programing	.00	.00	.01	.09	.10	.11	.32	.46	.91
Detective and protective serv	.00	.00	.00	.00	.00	.00	.09	.14	.20
Services to buildings	.02	.01	.00	.00	.00	.00	.06	.07	.06
Other business services	.11	.14	.10	.00	.00	.00	.71	.97	1.11
Automobile services	.00	.00	.00	.00	.00	.00	10.28	12.37	11.60
Automobile repair	.00	.00	.00	.00	.00	.00	9.66	11.77	10.86
Automobile services, exc repair	.00	.00	.00	.00	.00	.00	.62	.60	.74
Other repair services	.14	.16	.06	.29	.43	.22	5.26	5.63	5.37
Electrical repair	.03	.02	.01	.00	.00	.00	3.38	2.83	3.13
Other repair, exc electrical	.10	.13	.04	.29	.43	.22	1.87	2.79	2.24
Motion pictures and theaters	.01	.02	.04	.00	.00	.00	.04	.03	.04
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.60	.83	.63
Bowling alleys, billiards	.00	.00	.00	.00	.00	.00	.35	.38	.24
Other entertainment	.00	.00	.00	.00	.00	.00	.25	.45	.39
Medical and other health service	.26	.27	.24	.00	.00	.00	.50	.73	1.50
Hospitals	.26	.27	.24	.00	.00	.00	.44	.60	1.13
Convalescent institutions	.00	.00	.00	.00	.00	.00	.03	.05	.26
Other health services	.00	.00	.00	.00	.00	.00	.03	.07	.10
Educational services	.52	.63	.62	.00	.00	.00	.97	1.09	.99
Elementary and secondary school	.21	.32	.36	.00	.00	.00	.49	.55	.38
Colleges and universities	.28	.28	.25	.00	.00	.00	.39	.43	.45
Other educational services	.02	.02	.00	.00	.00	.00	.08	.10	.14
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.00	.01	.01
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.10	.11	.17
Religious organizations	.00	.00	.00	.00	.00	.00	.02	.02	.04
Welfare services	.00	.00	.00	.00	.00	.00	.03	.03	.05
Residential welfare services	.00	.00	.00	.00	.00	.00	.00	.01	.02
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.04	.04	.06
Private households	.00	.00	.00	.00	.00	.00	.04	.05	.03
Other professional services	.16	.21	.11	.21	.30	.33	.17	.23	.22
Engineering and architectural	.09	.12	.07	.12	.19	.25	.05	.06	.07
Accounting and auditing	.00	.00	.00	.00	.00	.00	.06	.09	.07
Miscellaneous professional serv	.06	.09	.04	.09	.11	.08	.05	.07	.07
Government, total	4.32	3.69	3.48	.69	.67	.22	4.97	4.45	3.55
Federal public administration	4.10	3.35	2.78	.67	.65	.22	3.53	2.94	2.11
Postal services	.00	.00	.00	.00	.00	.00	.20	.23	.39
Federal pub adm, exc post office	4.10	3.35	2.78	.67	.65	.22	3.33	2.71	1.72
State public administration	.06	.12	.33	.01	.01	.00	.40	.43	.37
Local public administration	.15	.21	.36	.01	.01	.00	1.03	1.06	1.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Air cond, heating, refrig mech			Aircraft mechanics			Automobile accessories installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.07	.04	.04	.19	.15	.14	.00	.00	.00
Agriculture	.07	.03	.02	.18	.13	.12	.00	.00	.00
Agricultural production	.05	.02	.00	.02	.01	.00	.00	.00	.00
Services,except horticulture	.01	.01	.02	.16	.12	.12	.00	.00	.00
Forestry	.00	.00	.00	.01	.01	.02	.00	.00	.00
Fisheries	.00	.01	.01	.00	.00	.00	.00	.00	.00
Mining	.22	.29	.27	.10	.19	.34	.10	.10	.13
Metal	.01	.00	.00	.01	.01	.06	.00	.00	.00
Crude petroleum and natural gas	.18	.27	.25	.09	.17	.28	.00	.00	.00
Nonmetallic mining and quarrying	.01	.00	.01	.00	.00	.00	.10	.10	.13
Construction	28.34	31.08	31.04	.00	.00	.00	.35	.21	.00
General building contractors	.37	.38	.58	.00	.00	.00	.00	.00	.00
General contractors,exc building	.26	.22	.20	.00	.00	.00	.35	.21	.00
Special trade contractors	27.70	30.48	30.25	.00	.00	.00	.00	.00	.00
Manufacturing	14.31	11.99	11.69	31.35	27.26	31.50	16.15	10.38	6.83
Durable goods	9.54	8.04	7.73	31.10	27.00	31.05	11.33	7.85	6.35
Ordnance	.31	.13	.09	.61	.29	.19	.00	.00	.00
Lumber and wood products	.02	.03	.03	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.01	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.05	.04	.03	.11	.17	.50	.21	.14	.00
Stone,clay,and glass products	.32	.31	.32	.00	.00	.00	.10	.07	.00
Glass and glass products	.19	.18	.19	.00	.00	.00	.10	.07	.00
Cement,concrete,plaster	.02	.02	.03	.00	.00	.00	.00	.00	.00
Structural clay products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.07	.07	.07	.00	.00	.00	.00	.00	.00
Primary metal industries	.67	.56	.47	.11	.13	.26	.00	.00	.00
Blast furnaces,steel works	.30	.23	.22	.04	.06	.15	.00	.00	.00
Other primary steel	.07	.07	.04	.03	.03	.08	.00	.00	.00
Primary aluminum	.14	.13	.10	.01	.01	.01	.00	.00	.00
Other primary nonferrous	.16	.12	.10	.01	.01	.01	.00	.00	.00
Fabricated metal products	.82	.67	.46	.16	.19	.37	.36	.32	.40
Cutlery and other hardware	.02	.03	.03	.02	.03	.08	.10	.06	.00
Fabricated structural metal	.41	.29	.10	.04	.06	.18	.00	.00	.00
Screw machine products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Metal stamping	.03	.03	.02	.01	.02	.07	.26	.26	.40
Miscellaneous fabricated metal	.34	.31	.29	.06	.05	.02	.00	.00	.00
Machinery except electrical	3.03	2.80	2.74	.33	.31	.31	.00	.00	.00
Engines and turbines	.06	.06	.05	.11	.10	.04	.00	.00	.00
Farm machinery and equipment	.03	.03	.03	.00	.02	.09	.00	.00	.00
Construction machines	.10	.11	.12	.02	.02	.02	.00	.00	.00
Metalworking machinery	.05	.04	.03	.01	.02	.10	.00	.00	.00
Office and accounting machines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.07	.07	.06	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	2.68	2.47	2.41	.16	.13	.05	.00	.00	.00
Electrical machinery	2.10	1.66	1.47	.43	.29	.13	.00	.00	.00
Household appliances	1.36	1.05	.94	.00	.00	.01	.00	.00	.00
Radio, tv communications equip	.29	.21	.16	.24	.13	.05	.00	.00	.00
Other electrical machinery	.45	.40	.36	.18	.15	.07	.00	.00	.00
Transportation equipment	1.87	1.50	1.74	29.14	25.37	28.83	10.65	7.30	5.95
Motor vehicles and equipment	.50	.49	.47	.11	.15	.24	10.52	7.13	5.73
Aircraft and parts	.69	.50	.38	28.78	24.91	28.08	.00	.00	.00
Ship,boat building and repair	.52	.32	.46	.24	.30	.49	.00	.00	.00
Railroad equipment	.04	.04	.03	.00	.00	.00	.00	.00	.00
Mobile dwellings	.09	.12	.37	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.00	.01	.01	.00	.00	.00	.13	.17	.21
Professional,scientific instrs	.28	.26	.26	.03	.03	.01	.00	.00	.00
Scientific instruments	.15	.13	.10	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.03	.03	.04	.03	.03	.01	.00	.00	.00
Photo equipment and supplies	.09	.08	.10	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.02	.04	.07	.13	.19	.42	.00	.00	.00
Nondurable goods	4.77	3.94	3.96	.24	.26	.44	4.81	2.52	.47

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Air cond, heating, refrig mech			Aircraft mechanics			Automobile accessories installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.40	1.92	1.79	.00	.00	.00	2.61	1.26	.35
Meat	.42	.42	.45	.00	.00	.00	.00	.00	.00
Dairy	.96	.61	.40	.00	.00	.00	.00	.00	.00
Canning and preserving	.35	.35	.47	.00	.00	.00	.00	.00	.00
Grain mill	.02	.02	.03	.00	.00	.00	.00	.00	.00
Bakery	.08	.06	.06	.00	.00	.00	2.61	1.26	.35
Confectionery	.04	.03	.03	.00	.00	.00	.00	.00	.00
Beverages	.40	.31	.26	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.09	.07	.07	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.08	.06	.05	.00	.00	.00	.00	.00	.00
Textile mill products	.64	.52	.56	.00	.00	.00	.06	.03	.00
Knitting mills	.02	.02	.04	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.01	.01	.01	.00	.00	.00	.00	.00	.00
Floor coverings	.01	.01	.03	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.59	.47	.47	.00	.00	.00	.06	.03	.00
Apparel and textile products	.06	.05	.06	.08	.13	.34	1.91	1.05	.12
Apparel and accessories	.06	.05	.06	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.08	.13	.34	1.91	1.05	.12
Paper and allied products	.12	.11	.15	.02	.02	.01	.00	.00	.00
Pulp,paper paperboard mills	.06	.05	.05	.02	.02	.01	.00	.00	.00
Paperboard containers,boxes	.02	.01	.02	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.03	.04	.06	.00	.00	.00	.00	.00	.00
Printing and publishing	.11	.11	.13	.00	.00	.00	.10	.05	.00
Newspaper publishing, printing	.04	.03	.04	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.07	.07	.09	.00	.00	.00	.10	.05	.00
Chemicals and allied products	.98	.81	.89	.08	.05	.03	.00	.00	.00
Industrial chemicals	.24	.19	.22	.05	.03	.02	.00	.00	.00
Plastics and synthetics	.09	.07	.07	.02	.01	.00	.00	.00	.00
Synthetic fibers	.28	.24	.32	.00	.00	.00	.00	.00	.00
Drugs and medicines	.19	.18	.15	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.02	.01	.01	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.03	.03	.02	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.09	.05	.06	.00	.00	.01	.00	.00	.00
Petroleum and coal products	.24	.24	.20	.01	.01	.00	.00	.00	.00
Petroleum refining	.22	.20	.15	.01	.01	.00	.00	.00	.00
Misc petroleum,coal products	.02	.03	.05	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.10	.10	.09	.03	.03	.04	.11	.11	.00
Rubber	.07	.05	.05	.03	.03	.04	.00	.00	.00
Miscellaneous plastics	.03	.04	.04	.00	.00	.00	.11	.11	.00
Transportation, other public util	4.21	4.08	4.04	37.03	42.39	49.45	.30	.30	.46
Transportation,total	1.35	1.37	1.27	37.02	42.39	49.45	.30	.30	.46
Railroads and railway express	.24	.17	.12	.01	.00	.00	.00	.00	.00
Local and interurban transit	.05	.03	.08	.01	.02	.06	.00	.00	.00
Street railways and bus lines	.05	.03	.08	.01	.02	.06	.00	.00	.00
Trucking and warehousing	.46	.49	.32	.21	.32	.30	.16	.11	.10
Trucking services	.34	.38	.21	.21	.32	.30	.00	.00	.00
Warehousing and storage	.12	.11	.10	.00	.00	.00	.16	.11	.10
Water transportation	.11	.11	.11	.00	.00	.00	.00	.00	.00
Air transportation	.32	.37	.44	36.70	41.97	49.07	.00	.00	.00
Pipelines	.00	.00	.00	.02	.01	.00	.00	.00	.00
Transportation services	.14	.16	.17	.05	.04	.00	.13	.18	.35
Communicatns,utils,sanitary serv	2.86	2.71	2.76	.00	.00	.00	.00	.00	.00
Communications	.43	.50	.53	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.38	.44	.47	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.02	.03	.04	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.02	.01	.01	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	2.43	2.21	2.23	.00	.00	.00	.00	.00	.00
Electric light and power	.24	.27	.23	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.59	.48	.45	.00	.00	.00	.00	.00	.00
Gas steam supply systems	1.53	1.37	1.42	.00	.00	.00	.00	.00	.00
Water supply	.03	.03	.03	.00	.00	.00	.00	.00	.00
Sanitary services	.03	.04	.07	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	29.07	28.43	26.68	1.88	2.33	3.13	38.37	37.81	46.32
Wholesale trade	7.31	6.77	5.45	1.17	1.46	1.84	1.96	1.52	1.10

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Air cond, heating, refrig mech			Aircraft mechanics			Automobile accessories installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	4.84	4.32	3.17	1.08	1.37	1.73	1.86	1.46	1.10
Motor vehicles and equipment	.14	.14	.12	.06	.10	.28	1.55	1.25	1.10
Drugs,chemicals,allied product	.02	.01	.00	.01	.01	.01	.00	.00	.00
Dry goods and apparel	.02	.02	.03	.00	.00	.00	.00	.00	.00
Food and related products	.65	.55	.36	.04	.05	.11	.20	.11	.00
Farm products-raw materials	.00	.01	.01	.00	.00	.00	.00	.00	.00
Electrical gcods	.83	.70	.56	.05	.05	.05	.00	.00	.00
Hardware and plumbing	2.65	2.34	1.62	.01	.01	.01	.00	.00	.00
Machinery equipment,supplies	.50	.53	.44	.89	1.12	1.25	.11	.09	.00
Miscellaneous wholesale trade	2.47	2.44	2.27	.08	.09	.10	.10	.06	.00
Metals and minerals, other	.07	.07	.07	.00	.00	.00	.00	.00	.00
Petroleum products	2.18	2.17	1.98	.04	.05	.08	.00	.00	.00
Scrap and waste material	.00	.00	.00	.02	.02	.00	.00	.00	.00
Alcoholic beverages	.01	.01	.01	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.05	.06	.08	.01	.01	.01	.00	.00	.00
Other wholesale trade	.12	.12	.11	.01	.00	.00	.10	.06	.00
<b>Retail trade</b>	<b>21.75</b>	<b>21.66</b>	<b>21.24</b>	<b>.70</b>	<b>.86</b>	<b>1.29</b>	<b>36.41</b>	<b>36.28</b>	<b>45.21</b>
Building materials	6.41	6.62	5.74	.00	.00	.00	.00	.00	.00
Lumber,building material	6.15	6.41	5.55	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.26	.21	.19	.00	.00	.00	.00	.00	.00
General merchandise,total	2.11	2.28	3.10	.01	.02	.11	2.53	2.40	3.75
Department stores,mail order	1.92	2.13	2.88	.00	.00	.00	2.30	2.27	3.75
Direct selling	.03	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.15	.12	.18	.01	.02	.11	.23	.13	.00
Food and dairy stores	.93	.97	.99	.01	.01	.00	2.18	1.76	1.61
Grocery stores	.84	.86	.88	.01	.01	.00	.28	.19	.00
Dairy products	.06	.07	.05	.00	.00	.00	.00	.00	.00
Retail bakeries	.00	.00	.00	.00	.00	.00	1.80	1.50	1.61
Food stores,cther	.01	.03	.05	.00	.00	.00	.10	.06	.00
Auto dealers,gas stations	.57	.62	.48	.65	.77	1.04	26.69	28.32	38.07
Motor vehicle dealers	.05	.04	.03	.05	.06	.05	9.10	7.81	7.81
Tire,battery,accessory dealrs	.04	.05	.06	.00	.00	.00	15.58	18.30	26.60
Gasoline service stations	.41	.45	.32	.02	.02	.00	1.20	1.11	1.20
Miscellaneous vehicle dealers	.05	.06	.06	.56	.69	.98	.80	1.09	2.46
Apparel and accessory stores	.05	.07	.10	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.03	.04	.05	.00	.00	.00	.00	.00	.00
Shoe stores	.02	.03	.05	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	4.31	4.82	5.09	.01	.03	.12	4.81	3.63	1.76
Home furnishings	.20	.19	.18	.00	.00	.00	1.18	.86	.49
Household appliances,tv,radio	4.10	4.62	4.90	.01	.03	.12	3.63	2.76	1.27
Eating and drinking places	.18	.34	.36	.00	.00	.00	.10	.09	.00
Miscellaneous retail trade	7.17	5.90	5.34	.01	.01	.00	.08	.06	.00
Drug stores	.02	.02	.04	.00	.00	.00	.00	.00	.00
Liquor stores	.00	.01	.01	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.07	.09	.09	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	6.97	5.63	5.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.09	.13	.19	.01	.01	.00	.08	.06	.00
<b>Finance,insurance and real estate</b>	<b>1.12</b>	<b>1.27</b>	<b>1.51</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Finance,total	.17	.20	.29	.00	.00	.00	.00	.00	.00
Banking	.12	.14	.26	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.05	.06	.03	.00	.00	.00	.00	.00	.00
Insurance	.16	.13	.10	.00	.00	.00	.00	.00	.00
Real estate	.77	.93	1.11	.00	.00	.00	.00	.00	.00
<b>Services, total</b>	<b>18.02</b>	<b>18.21</b>	<b>18.90</b>	<b>1.98</b>	<b>2.71</b>	<b>3.32</b>	<b>44.11</b>	<b>50.69</b>	<b>46.24</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Air cond, heating, refrig mech			Aircraft mechanics			Automobile accessories installers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.41	.49	.45	.00	.00	.00	.23	.21	.00
Hotels and motels	.41	.49	.45	.00	.00	.00	.23	.21	.00
Other personal services	.03	.04	.01	.00	.00	.00	.00	.00	.00
Barber shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.62	.76	.81	.57	.68	.33	4.23	6.71	14.58
Advertising	.00	.00	.00	.01	.01	.00	.00	.00	.00
Business management services	.01	.01	.01	.00	.00	.00	.00	.00	.00
Commercial research,development	.08	.10	.15	.09	.10	.08	.00	.00	.00
Computer programing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Detective and protective serv	.00	.00	.00	.01	.02	.02	4.23	6.71	14.58
Services to buildings	.22	.20	.09	.00	.00	.00	.00	.00	.00
Other business services	.28	.41	.53	.45	.54	.22	.00	.00	.00
Automobile services	.12	.13	.10	.10	.11	.03	38.07	42.28	30.72
Automobile repair	.06	.06	.02	.08	.09	.01	36.84	41.21	29.46
Automobile services,exc repair	.06	.06	.07	.02	.02	.01	1.23	1.06	1.26
Other repair services	11.81	10.51	8.36	.48	.80	.86	.50	.57	.66
Electrical repair	9.63	7.44	6.09	.09	.04	.00	.25	.19	.24
Other repair,exc electrical	2.18	3.07	2.26	.39	.75	.85	.25	.38	.41
Motion pictures and theaters	.06	.05	.06	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.10	.21	.35	.06	.18	.44	.10	.11	.00
Bowling alleys,billards	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other entertainment	.09	.20	.34	.06	.18	.44	.10	.11	.00
Medical and other health service	2.16	2.86	5.92	.04	.03	.00	.00	.00	.00
Hospitals	2.05	2.67	5.46	.04	.03	.00	.00	.00	.00
Convalescent institutions	.02	.05	.22	.00	.00	.00	.00	.00	.00
Other health services	.08	.14	.24	.00	.00	.00	.00	.00	.00
Educational services	2.22	2.57	2.13	.56	.73	1.58	.28	.18	.00
Elementary and secondary school	.76	1.04	.85	.00	.00	.00	.28	.18	.00
Colleges and universities	1.40	1.46	1.23	.06	.15	.48	.00	.00	.00
Libraries	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other educational services	.04	.05	.02	.49	.57	1.09	.00	.00	.00
Museums,art galleries,zoo	.02	.04	.07	.00	.00	.00	.08	.11	.27
Nonprofit organizations	.18	.23	.37	.01	.00	.00	.21	.17	.00
Religious organizations	.04	.04	.04	.00	.00	.00	.00	.00	.00
Welfare services	.05	.05	.09	.00	.00	.00	.00	.00	.00
Residential welfare services	.01	.01	.03	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.08	.12	.20	.01	.00	.00	.21	.17	.00
Private housechlds	.04	.05	.04	.00	.00	.00	.38	.31	.00
Other professional services	.17	.21	.18	.12	.14	.06	.00	.00	.00
Engineering and architectural	.05	.07	.06	.05	.07	.04	.00	.00	.00
Accounting and auditing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.10	.13	.12	.07	.07	.01	.00	.00	.00
Government, total	4.60	4.55	5.79	27.44	24.93	12.09	.60	.50	.00
Federal public administration	3.79	3.36	3.82	26.04	23.19	11.07	.00	.00	.00
Postal services	.10	.14	.08	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	3.68	3.22	3.74	26.04	23.19	11.07	.00	.00	.00
State public administration	.32	.48	.77	1.32	1.59	.59	.31	.26	.00
Local public administration	.48	.70	1.19	.07	.14	.42	.28	.23	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Automobile body repairers			Automobile mechs and apprentices			Data pro- cessing mach repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.01	.01	.20	.19	.14	.01	.00	.00
Agriculture	.00	.00	.00	.16	.15	.12	.01	.00	.00
Agricultural production	.00	.00	.00	.10	.08	.05	.00	.00	.00
Services,except horticulture	.00	.00	.00	.03	.03	.03	.00	.00	.00
Horticultural services	.00	.00	.00	.03	.03	.03	.01	.00	.00
Forestry	.00	.00	.00	.03	.03	.00	.00	.00	.00
Fisheries	.00	.01	.01	.00	.00	.00	.00	.00	.00
Mining	.01	.02	.02	.60	.58	.44	.11	.13	.09
Metal	.00	.00	.00	.16	.13	.11	.01	.01	.01
Coal	.00	.00	.00	.07	.08	.08	.00	.00	.00
Crude petroleum and natural gas	.01	.01	.02	.17	.21	.14	.09	.12	.08
Nonmetallic mining and quarrying	.00	.00	.00	.18	.15	.09	.00	.00	.00
Construction	.22	.17	.17	2.37	2.05	1.88	.26	.15	.00
General building contractors	.01	.00	.00	.10	.10	.15	.04	.02	.00
General contractors,exc building	.20	.16	.17	1.88	1.58	1.45	.06	.03	.00
Special trade contractors	.00	.00	.00	.38	.37	.27	.15	.09	.00
Manufacturing	2.19	1.64	1.40	9.42	7.28	7.29	29.99	25.26	24.72
Durable goods	1.99	1.51	1.33	7.07	5.77	6.42	28.80	24.36	24.00
Ordnance	.02	.00	.00	.08	.03	.03	.36	.16	.14
Lumber and wood products	.01	.00	.00	.19	.14	.10	.01	.00	.00
Logging	.00	.00	.00	.05	.04	.02	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.11	.07	.05	.01	.00	.00
Miscellaneous wood products	.00	.00	.00	.03	.01	.01	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.03	.02	.01	.07	.06	.05
Stone,clay,and glass products	.03	.02	.03	.67	.46	.17	.01	.01	.00
Glass and glass products	.00	.00	.01	.01	.01	.00	.01	.01	.00
Cement,concrete,plaster	.02	.02	.02	.55	.38	.14	.00	.00	.00
Structural clay products	.00	.00	.00	.04	.02	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.04	.03	.01	.00	.00	.00
Primary metal industries	.01	.01	.01	.31	.21	.14	.28	.18	.12
Blast furnaces,steel works	.00	.00	.00	.13	.08	.04	.19	.12	.09
Other primary steel	.00	.00	.00	.08	.05	.03	.06	.04	.03
Primary aluminum	.00	.00	.00	.04	.03	.02	.01	.00	.00
Other primary nonferrous	.01	.01	.01	.04	.03	.04	.01	.00	.00
Fabricated metal products	.14	.12	.14	.24	.20	.19	.05	.03	.00
Cutlery and other hardware	.00	.00	.00	.01	.01	.00	.00	.00	.00
Fabricated structural metal	.01	.02	.06	.07	.05	.02	.05	.03	.00
Screw machine products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Metal stamping	.03	.01	.00	.07	.06	.08	.00	.00	.00
Miscellaneous fabricated metal	.10	.08	.07	.07	.06	.07	.00	.00	.00
Machinery except electrical	.09	.07	.07	.53	.51	.62	22.44	19.56	20.08
Engines and turbines	.00	.00	.00	.04	.04	.05	.03	.03	.03
Farm machinery and equipment	.01	.00	.00	.06	.04	.02	.05	.04	.02
Construction machines	.02	.01	.01	.13	.14	.20	.08	.10	.13
Metalworking machinery	.00	.00	.00	.02	.01	.02	.13	.11	.10
Office and accounting machines	.00	.00	.00	.00	.00	.00	3.12	1.65	.83
Electronic computing equipment	.00	.00	.00	.01	.01	.02	18.60	17.20	18.49
Other machinery,exc electrical	.06	.05	.05	.25	.23	.29	.41	.40	.45
Electrical machinery	.00	.00	.00	.17	.15	.21	3.62	2.91	2.46
Household appliances	.00	.00	.00	.02	.01	.01	.02	.02	.02
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	1.71	1.24	.90
Other electrical machinery	.00	.00	.00	.14	.14	.19	1.88	1.65	1.53
Transportation equipment	1.64	1.24	1.03	4.72	3.94	4.89	1.09	.69	.48
Motor vehicles and equipment	1.63	1.23	1.02	4.48	3.77	4.70	.12	.12	.10
Aircraft and parts	.00	.00	.00	.11	.06	.02	.76	.47	.27
Ship,boat building and repair	.00	.00	.00	.06	.03	.02	.19	.09	.10
Railroad equipment	.00	.00	.00	.01	.01	.02	.00	.00	.00
Mobile dwellings	.00	.00	.00	.02	.02	.06	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.02	.02	.04	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.02	.02	.01	.74	.64	.53
Scientific instruments	.00	.00	.00	.01	.00	.00	.53	.42	.29
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.10	.12	.12
Photo equipment and supplies	.00	.00	.00	.01	.01	.00	.10	.09	.11
Miscellaneous manufacturing	.01	.01	.02	.06	.04	.02	.08	.08	.10
Nondurable goods	.20	.12	.07	2.35	1.50	.86	1.18	.89	.72

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Automobile body repairers			Automobile mechcs and apprentices			Data pro- cessing mach repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.16	.09	.05	1.68	1.01	.47	.22	.16	.14
Meat	.02	.01	.01	.17	.12	.05	.01	.00	.00
Dairy	.07	.03	.00	.51	.25	.07	.02	.00	.00
Canning and preserving	.00	.00	.00	.08	.05	.02	.08	.08	.10
Grain mill	.00	.00	.00	.06	.04	.01	.00	.00	.00
Bakery	.02	.01	.00	.43	.28	.21	.00	.00	.00
Beverages	.02	.01	.00	.26	.16	.06	.05	.03	.02
Miscellaneous food preparation	.01	.01	.01	.14	.09	.03	.04	.03	.01
Textile mill products	.00	.00	.00	.06	.04	.02	.05	.03	.01
Dyeing,finishing textiles	.00	.00	.00	.01	.00	.00	.01	.01	.01
Yarn and fabric mills	.00	.00	.00	.03	.02	.01	.03	.01	.00
Apparel and textile products	.01	.00	.01	.01	.01	.01	.02	.01	.00
Apparel and accessories	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscelanous fabricated textile	.01	.00	.01	.00	.00	.00	.02	.01	.00
Paper and allied products	.00	.00	.00	.10	.06	.02	.44	.34	.26
Pulp,paper paperboard mills	.00	.00	.00	.05	.03	.01	.01	.00	.00
Paperboard containers,boxes	.00	.00	.00	.03	.02	.01	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.01	.00	.00	.43	.34	.26
Printing and publishing	.01	.00	.00	.07	.05	.03	.21	.19	.20
Newspaper publishing, printing	.01	.00	.00	.06	.04	.02	.06	.07	.12
Other printing,exc newspapers	.00	.00	.00	.01	.01	.00	.14	.11	.08
Chemicals and allied products	.00	.00	.00	.20	.15	.15	.11	.07	.06
Industrial chemicals	.00	.00	.00	.09	.07	.09	.06	.03	.03
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.01	.01	.01
Soaps and cosmetics	.00	.00	.00	.01	.01	.00	.02	.01	.01
Agricultural chemicals	.00	.00	.00	.02	.02	.01	.01	.01	.00
Miscellaneous chemicals	.00	.00	.00	.04	.02	.02	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.10	.09	.08	.04	.03	.02
Petroleum refining	.00	.00	.00	.08	.07	.05	.04	.03	.02
Misc petroleum,coal products	.00	.00	.00	.02	.02	.02	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.09	.07	.06	.04	.02	.00
Rubber	.00	.00	.00	.07	.05	.05	.01	.00	.00
Miscellaneous plastics	.00	.00	.00	.02	.02	.00	.02	.02	.00
Leather products	.00	.00	.00	.00	.00	.00	.01	.01	.01
All other leather	.00	.00	.00	.00	.00	.00	.01	.01	.01
Transportation, other public util	.83	.54	.51	9.31	8.28	7.47	1.46	1.29	1.16
Transportation,total	.78	.51	.48	7.74	7.01	6.47	.28	.21	.14
Railroads and railway express	.00	.00	.00	.06	.02	.01	.09	.06	.03
Local and interurban transit	.31	.18	.20	2.21	1.66	2.20	.01	.00	.00
Street railways and bus lines	.26	.12	.19	2.01	1.42	1.94	.01	.00	.00
Taxicab service	.05	.05	.01	.19	.24	.26	.00	.00	.00
Trucking and warehousing	.38	.26	.22	5.16	5.06	4.02	.01	.01	.01
Trucking services	.38	.26	.22	5.08	4.99	3.97	.00	.00	.00
Warehousing and storage	.00	.00	.00	.08	.06	.05	.01	.01	.01
Water transportation	.00	.00	.00	.06	.04	.01	.00	.00	.00
Air transportation	.06	.04	.04	.17	.14	.11	.14	.12	.09
Pipelines	.00	.00	.00	.01	.01	.01	.01	.01	.00
Transportation services	.01	.01	.00	.04	.05	.08	.00	.00	.00
Communicatns,utils,sanitary serv	.05	.03	.02	1.57	1.27	1.00	1.18	1.08	1.02
Communications	.00	.00	.00	.26	.18	.22	1.02	.97	.99
Telephone(wire and radio)	.00	.00	.00	.25	.18	.21	.68	.63	.72
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.31	.31	.24
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.02	.02	.02
Utilities and sanitary services	.05	.03	.02	1.31	1.08	.78	.15	.10	.03
Electric light and power	.00	.00	.00	.37	.36	.29	.12	.09	.03
Electric-gas utilities	.05	.03	.02	.34	.26	.22	.01	.00	.00
Gas steam supply systems	.00	.00	.00	.20	.14	.10	.01	.00	.00
Water supply	.00	.00	.00	.08	.06	.05	.00	.00	.00
Sanitary services	.00	.00	.00	.29	.23	.10	.00	.00	.00
Wholesale and retail trade	46.82	38.30	40.28	49.24	46.47	48.17	29.08	29.74	24.59
Wholesale trade	1.31	1.12	.85	5.18	4.92	4.32	27.94	28.50	23.35

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Automobile body repairers			Automobile mechs and apprentices			Data pro- cessing mach repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.03	.87	.70	4.01	3.82	3.46	26.77	27.44	22.38
Motor vehicles and equipment	.94	.76	.51	2.77	2.63	2.44	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.03	.03	.02	.02	.01	.00
Dry goods and apparel	.00	.00	.00	.01	.01	.00	.00	.00	.00
Food and related products	.01	.02	.03	.49	.42	.31	.04	.02	.00
Farm products-raw materials	.00	.00	.00	.03	.04	.01	.00	.00	.00
Electrical goods	.00	.00	.00	.04	.04	.05	.77	.69	.66
Hardware and plumbing	.00	.00	.00	.04	.04	.04	.00	.00	.00
Machinery equipment,supplies	.07	.09	.14	.56	.59	.53	25.93	26.71	21.71
Miscellaneous wholesale trade	.27	.25	.15	1.16	1.10	.86	1.17	1.06	.97
Metals and minerals, other	.01	.01	.01	.05	.04	.05	.06	.07	.11
Petroleum products	.00	.00	.00	.32	.25	.11	.03	.02	.02
Scrap and waste material	.24	.23	.14	.54	.57	.44	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.04	.04	.04	.01	.01	.01
Paper and paper products	.00	.00	.00	.01	.01	.00	.05	.03	.03
Lumber,construction materials	.00	.00	.00	.10	.09	.11	.00	.00	.00
Other wholesale trade	.00	.00	.00	.07	.07	.09	1.00	.90	.79
<b>Retail trade</b>	<b>45.50</b>	<b>37.18</b>	<b>39.42</b>	<b>44.06</b>	<b>41.55</b>	<b>43.84</b>	<b>1.14</b>	<b>1.23</b>	<b>1.23</b>
Building materials	.08	.05	.03	.48	.36	.18	.00	.00	.00
Lumber,building material	.00	.00	.00	.16	.12	.03	.00	.00	.00
Hardware and farm equipment	.08	.05	.03	.33	.24	.14	.00	.00	.00
General merchandise,total	.11	.09	.16	.22	.17	.31	.00	.00	.00
Department stores,mail order	.08	.08	.14	.00	.00	.00	.00	.00	.00
Limited price stores	.00	.00	.00	.02	.01	.00	.00	.00	.00
Vending machine operators	.00	.00	.00	.01	.01	.03	.00	.00	.00
Direct selling	.01	.01	.01	.03	.02	.02	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.14	.11	.25	.00	.00	.00
Food and dairy stores	.13	.11	.08	.35	.37	.47	.00	.00	.00
Grocery stores	.01	.00	.00	.19	.19	.27	.00	.00	.00
Dairy products	.01	.01	.01	.05	.05	.04	.00	.00	.00
Retail bakeries	.02	.02	.02	.06	.07	.09	.00	.00	.00
Food stores,other	.07	.06	.05	.04	.04	.05	.00	.00	.00
Auto dealers,gas stations	45.12	36.86	39.12	42.42	40.08	42.39	.09	.04	.00
Motor vehicle dealers	43.17	35.25	37.78	26.44	25.56	26.44	.06	.03	.00
Tire,battery,accessory dealers	.39	.44	.52	2.21	2.83	3.99	.01	.00	.00
Gasoline service stations	1.47	1.04	.64	13.41	11.20	11.31	.01	.00	.00
Miscellaneous vehicle dealers	.08	.11	.16	.35	.48	.64	.00	.00	.00
Apparel and accessory stores	.01	.01	.00	.09	.06	.02	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.05	.04	.02	.00	.00	.00
Shoe stores	.01	.01	.00	.03	.02	.01	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.04	.04	.02	.18	.19	.13
Home furnishings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.03	.03	.02	.18	.19	.13
Eating and drinking places	.00	.00	.00	.07	.11	.10	.00	.00	.00
Miscellaneous retail trade	.02	.02	.01	.35	.32	.32	.86	.99	1.09
Farm,garden supply stores	.00	.01	.00	.06	.08	.11	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.18	.10	.03	.01	.01	.01
Misc retail trade stores	.01	.01	.00	.09	.11	.16	.85	.98	1.08
<b>Finance,insurance and real estate</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.06</b>	<b>.04</b>	<b>.02</b>	<b>.78</b>	<b>.83</b>	<b>1.27</b>
Finance,total	.00	.00	.00	.01	.01	.01	.49	.61	1.07
Banking	.00	.00	.00	.00	.00	.00	.44	.54	1.04
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.05	.07	.03
Insurance	.00	.00	.00	.01	.01	.00	.29	.22	.20
Real estate	.00	.00	.00	.03	.02	.00	.00	.00	.00
<b>Services, total</b>	<b>49.40</b>	<b>58.90</b>	<b>56.97</b>	<b>25.09</b>	<b>31.80</b>	<b>31.74</b>	<b>35.24</b>	<b>39.89</b>	<b>45.12</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Automobile body repairers			Automobile mechs and apprentices			Data pro- cessing mach repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.02	.01	.00	.02	.03	.04	.00	.00	.00
Hotels and motels	.02	.01	.00	.01	.02	.03	.00	.00	.00
Other personal services	.01	.02	.01	.13	.08	.05	.01	.00	.00
Laundering and cleaning	.00	.00	.00	.11	.06	.02	.01	.00	.00
Misc personal services	.01	.01	.01	.01	.02	.02	.00	.00	.00
Miscellaneous business services	.38	.44	.49	.35	.45	.63	23.60	27.37	35.99
Advertising	.00	.00	.00	.01	.01	.00	.01	.00	.00
Business management services	.00	.00	.00	.00	.00	.00	.92	1.10	1.41
Commercial research,development	.00	.00	.00	.03	.04	.09	.22	.23	.25
Computer programing	.00	.00	.00	.04	.05	.08	18.17	20.39	28.48
Detective and protective serv	.06	.08	.10	.06	.09	.16	.04	.04	.03
Services to buildings	.00	.00	.00	.02	.03	.07	.10	.10	.15
Other business services	.31	.35	.38	.17	.22	.20	4.13	5.47	5.66
Automobile services	48.36	57.70	55.83	22.66	28.96	28.56	.00	.00	.00
Automobile repair	47.74	57.16	55.19	20.95	27.26	26.41	.00	.00	.00
Automobile services,exc repair	.61	.54	.64	1.71	1.70	2.15	.00	.00	.00
Other repair services	.27	.33	.23	.48	.64	.60	5.91	6.73	5.36
Electrical repair	.01	.01	.00	.07	.05	.07	2.75	2.12	2.47
Other repair,exc electrical	.25	.32	.23	.41	.59	.52	3.15	4.61	2.88
Motion pictures and theaters	.00	.00	.00	.01	.00	.01	.02	.00	.00
Miscellaneous entertainment	.01	.02	.03	.08	.12	.09	.00	.00	.00
Other entertainment	.01	.02	.03	.07	.11	.08	.00	.00	.00
Medical and other health service	.02	.03	.00	.16	.21	.56	.07	.04	.00
Hospitals	.00	.00	.00	.12	.14	.32	.07	.04	.00
Convalescent institutions	.01	.01	.00	.02	.03	.16	.00	.00	.00
Other health services	.00	.01	.00	.01	.03	.07	.00	.00	.00
Educational services	.23	.23	.26	1.02	1.08	.98	.74	.60	.51
Elementary and secondary school	.03	.02	.00	.76	.80	.59	.06	.03	.00
Colleges and universities	.06	.06	.11	.17	.19	.24	.53	.39	.19
Other educational services	.13	.14	.14	.07	.09	.14	.15	.17	.32
Nonprofit organizations	.00	.00	.00	.06	.07	.09	.14	.13	.10
Religious organizations	.00	.00	.00	.01	.02	.04	.00	.00	.00
Welfare services	.00	.00	.00	.01	.01	.02	.01	.01	.00
Residential welfare services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.02	.02	.01	.13	.12	.10
Private household	.05	.07	.04	.04	.06	.03	.00	.00	.00
Other professional services	.01	.02	.04	.03	.04	.05	4.71	4.97	3.15
Engineering and architectural	.01	.02	.04	.01	.02	.01	.33	.49	.57
Accounting and auditing	.00	.00	.00	.00	.00	.00	4.13	4.25	2.41
Miscellaneous professional serv	.00	.00	.00	.01	.02	.04	.23	.22	.16
Government, total	.49	.38	.62	3.67	3.26	2.82	3.04	2.67	3.00
Federal public administration	.23	.19	.24	1.55	1.26	1.13	2.88	2.57	3.00
Postal services	.04	.04	.05	.33	.34	.42	.00	.00	.00
Federal pub adm,exc post office	.18	.14	.19	1.21	.92	.71	2.88	2.57	3.00
State public administration	.05	.05	.34	.44	.41	.23	.03	.02	.00
Local public administration	.20	.14	.03	1.67	1.58	1.45	.12	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm implement mechanics			Heavy equip mechanics, incl deisel			Household appliance mechanics		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	1.93	3.34	3.17	.43	.82	.85	.00	.00	.00
Agriculture	1.93	3.34	3.17	.37	.75	.77	.00	.00	.00
Agricultural production	1.53	2.85	2.79	.24	.57	.59	.00	.00	.00
Services, except horticulture	.38	.47	.38	.07	.09	.10	.00	.00	.00
Horticultural services	.01	.01	.00	.05	.08	.07	.00	.00	.00
Forestry	.00	.00	.00	.04	.05	.03	.00	.00	.00
Fisheries	.00	.00	.00	.01	.02	.04	.00	.00	.00
Mining	.00	.00	.00	3.75	4.51	4.68	.00	.00	.00
Metal	.00	.00	.00	.86	.82	.90	.00	.00	.00
Coal	.00	.00	.00	1.30	1.68	2.04	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.88	1.31	1.18	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.70	.68	.55	.00	.00	.00
Construction	.00	.00	.00	6.70	7.26	7.59	6.91	8.01	10.27
General building contractors	.00	.00	.00	.49	.55	.77	.19	.27	.31
General contractors, exc building	.00	.00	.00	3.63	3.77	4.12	2.63	2.81	4.60
Special trade contractors	.00	.00	.00	2.58	2.93	2.69	4.08	4.92	5.35
Manufacturing	4.07	3.94	5.26	61.97	56.97	57.03	8.34	7.78	8.05
Durable goods	2.51	2.68	3.92	33.66	32.49	35.06	6.50	6.19	7.03
Ordnance	.07	.03	.02	1.31	.64	.54	.04	.02	.04
Lumber and wood products	.02	.01	.01	1.25	1.20	1.24	.01	.01	.00
Logging	.00	.00	.00	.10	.11	.07	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.81	.77	.77	.00	.00	.00
Miscellaneous wood products	.02	.01	.01	.33	.31	.40	.01	.01	.00
Furniture and fixtures	.04	.03	.00	.83	.84	.95	.24	.20	.11
Stone, clay, and glass products	.10	.06	.01	2.95	2.73	2.16	.05	.04	.02
Glass and glass products	.00	.00	.00	.94	.86	.73	.01	.01	.01
Cement, concrete, plaster	.00	.00	.00	1.01	.94	.70	.00	.00	.00
Structural clay products	.04	.02	.00	.23	.18	.09	.00	.00	.00
Pottery and related products	.00	.00	.00	.13	.12	.11	.00	.00	.00
Miscellaneous nonmetallic, stone	.06	.04	.01	.62	.61	.51	.01	.01	.00
Primary metal industries	.25	.25	.34	5.07	4.37	4.20	.24	.21	.17
Blast furnaces, steel works	.10	.10	.14	2.18	1.65	1.36	.08	.06	.04
Other primary steel	.00	.00	.00	1.35	1.20	1.26	.01	.00	.00
Primary aluminum	.09	.11	.15	.71	.74	.72	.08	.09	.07
Other primary nonferrous	.04	.03	.03	.82	.76	.84	.06	.05	.05
Fabricated metal products	.34	.41	.65	4.45	4.60	5.35	.70	.62	.38
Cutlery and other hardware	.00	.00	.00	.34	.36	.42	.00	.00	.00
Fabricated structural metal	.08	.09	.17	.78	.81	.88	.59	.50	.25
Screw machine products	.00	.00	.00	.33	.32	.30	.00	.00	.00
Metal stamping	.04	.06	.11	.83	.85	1.12	.02	.02	.04
Miscellaneous fabricated metal	.21	.24	.37	2.15	2.24	2.61	.09	.09	.08
Machinery except electrical	1.24	1.34	2.03	7.26	7.94	10.27	.54	.60	.79
Engines and turbines	.00	.00	.00	.52	.60	.72	.02	.03	.05
Farm machinery and equipment	.82	.73	.72	.59	.59	.57	.00	.00	.00
Construction machines	.11	.18	.39	1.64	1.89	2.25	.03	.04	.06
Metalworking machinery	.00	.00	.00	.73	.80	1.12	.03	.03	.06
Office and accounting machines	.00	.00	.00	.33	.22	.16	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.17	.20	.36	.00	.00	.00
Other machinery, exc electrical	.30	.42	.91	3.26	3.61	5.07	.45	.49	.60
Electrical machinery	.21	.21	.30	3.95	3.81	4.26	2.70	2.68	3.63
Household appliances	.00	.00	.00	.51	.47	.60	2.09	2.03	2.74
Radio, tv communications equip	.00	.00	.00	.74	.61	.60	.14	.13	.16
Other electrical machinery	.21	.21	.30	2.69	2.72	3.05	.46	.51	.71
Transportation equipment	.09	.16	.34	4.21	3.98	3.66	.35	.42	.95
Motor vehicles and equipment	.09	.16	.34	2.46	2.48	2.28	.04	.05	.05
Aircraft and parts	.00	.00	.00	.86	.62	.37	.04	.04	.05
Ship, boat building and repair	.00	.00	.00	.64	.57	.58	.03	.02	.01
Railroad equipment	.00	.00	.00	.12	.14	.12	.00	.00	.00
Mobile dwellings	.00	.00	.00	.04	.05	.15	.22	.28	.79
Cycles, misc transportation	.00	.00	.00	.06	.09	.14	.01	.02	.03
Professional, scientific instrs	.10	.13	.19	1.26	1.39	1.64	.22	.23	.26
Scientific instruments	.00	.00	.00	.45	.47	.53	.22	.23	.26
Optical, health serv supplies	.10	.13	.19	.34	.47	.62	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.36	.37	.42	.00	.00	.00
Watches and clock devices	.00	.00	.00	.09	.07	.06	.00	.00	.00
Miscellaneous manufacturing	.01	.00	.00	1.08	.95	.75	1.37	1.12	.62
Nondurable goods	1.56	1.26	1.33	28.31	24.47	21.96	1.83	1.59	1.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm implement mechanics			Heavy equip mechanics, incl deisel			Household appliance mechanics		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.68	.48	.39	6.71	5.58	4.57	.21	.14	.05
Meat	.00	.00	.00	.63	.57	.49	.00	.00	.00
Dairy	.30	.18	.11	.60	.39	.23	.01	.01	.00
Canning and preserving	.18	.15	.14	1.66	1.47	1.39	.00	.00	.00
Grain mill	.03	.02	.02	.53	.47	.39	.00	.00	.00
Bakery	.04	.03	.03	.97	.73	.51	.03	.02	.00
Confectionery	.00	.00	.00	.35	.28	.22	.00	.00	.00
Beverages	.00	.00	.00	.84	.69	.57	.13	.09	.03
Miscellaneous food preparation	.11	.08	.08	1.10	.94	.75	.01	.01	.00
Tobacco manufacturing	.03	.02	.00	.58	.40	.25	.00	.00	.00
Textile mill products	.24	.21	.31	5.37	4.38	4.44	.08	.07	.06
Knitting mills	.09	.09	.17	1.90	1.62	1.80	.01	.01	.01
Dyeing,finishing textiles	.04	.02	.00	.31	.25	.20	.00	.00	.00
Floor coverings	.00	.00	.00	.21	.19	.25	.00	.00	.00
Yarn and fabric mills	.09	.09	.13	2.55	1.99	1.82	.07	.05	.04
Miscellaneous textile mill	.00	.00	.00	.38	.31	.35	.00	.00	.00
Apparel and textile products	.06	.05	.03	1.81	1.66	1.55	1.02	.90	.45
Apparel and accessories	.03	.01	.00	1.44	1.28	1.16	.02	.01	.00
Miscellaneous fabricated textile	.03	.03	.03	.36	.38	.38	1.00	.88	.45
Paper and allied products	.14	.11	.10	3.94	3.31	3.09	.10	.07	.05
Pulp,paper paperboard mills	.07	.05	.03	1.31	1.01	.83	.09	.06	.03
Paperboard containers,boxes	.03	.02	.03	1.26	.98	.94	.01	.01	.01
Miscellaneous paper and pulp	.04	.03	.03	1.36	1.31	1.31	.00	.00	.00
Printing and publishing	.00	.00	.00	1.50	1.36	1.22	.04	.04	.04
Newspaper publishing, printing	.00	.00	.00	.48	.47	.54	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	1.01	.88	.68	.04	.04	.04
Chemicals and allied products	.18	.19	.37	4.60	3.93	4.03	.19	.19	.25
Industrial chemicals	.13	.15	.33	1.66	1.37	1.29	.13	.12	.18
Plastics and synthetics	.02	.01	.01	.59	.48	.48	.00	.00	.00
Synthetic fibers	.00	.00	.00	.67	.63	.89	.00	.00	.00
Drugs and medicines	.00	.00	.00	.36	.39	.40	.01	.01	.01
Soaps and cosmetics	.00	.00	.00	.43	.39	.38	.00	.00	.00
Paints and varnishes	.00	.00	.00	.14	.13	.15	.00	.00	.00
Agricultural chemicals	.02	.01	.01	.25	.22	.13	.01	.01	.01
Miscellaneous chemicals	.00	.00	.00	.46	.29	.29	.01	.01	.02
Petroleum and coal products	.02	.02	.01	.62	.58	.43	.13	.11	.04
Petroleum refining	.02	.02	.01	.46	.42	.27	.10	.08	.04
Misc petroleum,coal products	.00	.00	.00	.15	.15	.16	.02	.02	.00
Rubber,miscellaneous plastics	.18	.16	.09	2.64	2.87	2.11	.02	.03	.04
Rubber	.04	.04	.04	1.06	.90	.80	.00	.00	.00
Miscellaneous plastics	.13	.12	.04	1.58	1.97	1.31	.02	.03	.04
Leather products	.00	.00	.00	.50	.35	.23	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.07	.05	.02	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.32	.22	.13	.00	.00	.00
All other leather	.00	.00	.00	.10	.08	.07	.00	.00	.00
Transportation, other public util	.13	.09	.11	4.16	4.15	3.86	33.76	31.07	24.03
Transportation,total	.03	.02	.01	1.53	1.49	1.33	.27	.25	.14
Railroads and railway express	.00	.00	.00	.19	.12	.06	.05	.03	.01
Local and interurban transit	.00	.00	.00	.05	.04	.05	.02	.02	.00
Street railways and bus lines	.00	.00	.00	.04	.03	.05	.01	.00	.00
Taxicab service	.00	.00	.00	.00	.00	.00	.01	.01	.00
Trucking and warehousing	.03	.02	.01	.45	.48	.41	.09	.08	.02
Trucking services	.00	.00	.00	.36	.40	.34	.09	.08	.02
Warehousing and storage	.03	.02	.01	.08	.08	.07	.00	.00	.00
Water transportation	.00	.00	.00	.54	.50	.41	.00	.00	.00
Air transportation	.00	.00	.00	.17	.18	.22	.00	.00	.00
Pipelines	.00	.00	.00	.07	.07	.05	.06	.07	.06
Transportation services	.00	.00	.00	.05	.07	.10	.02	.03	.02
Communicatns,utils,sanitary serv	.10	.06	.10	2.62	2.65	2.52	33.49	30.82	23.89
Communications	.00	.00	.00	.18	.19	.23	.15	.13	.09
Telephone(wire and radio)	.00	.00	.00	.12	.12	.16	.07	.07	.07
Telegraph,misc communicatn serv	.00	.00	.00	.03	.04	.03	.04	.03	.00
Radio and tv broadcasting	.00	.00	.00	.02	.02	.03	.03	.02	.00
Utilities and sanitary services	.10	.06	.10	2.44	2.46	2.29	33.34	30.68	23.79
Electric light and power	.00	.00	.00	.72	.84	.66	5.51	5.87	4.84
Electric-gas utilities	.00	.00	.00	.47	.41	.35	8.40	7.65	7.84
Gas steam supply systems	.00	.00	.00	.49	.43	.40	13.70	11.58	9.35
Water supply	.00	.00	.00	.41	.42	.47	5.56	5.44	1.69
Sanitary services	.00	.00	.00	.30	.33	.37	.14	.11	.03
Other utilities	.10	.06	.10	.02	.01	.02	.01	.01	.01
Wholesale and retail trade	82.24	75.27	73.06	12.76	13.96	12.56	28.36	30.50	32.18
Wholesale trade	29.23	31.25	30.23	8.75	9.50	7.48	4.61	4.73	4.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm implement mechanics			Heavy equip mechanics, incl deisel			Household appliance mechanics		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	28.82	30.78	29.43	7.36	8.09	6.11	3.78	3.94	3.67
Motor vehicles and equipment	.29	.30	.36	.69	.77	.82	.08	.09	.12
Drugs,chemicals,allied product	.08	.07	.08	.12	.12	.11	.03	.02	.01
Dry goods and apparel	.00	.00	.00	.03	.03	.03	.02	.02	.01
Food and related products	.21	.25	.37	.61	.58	.40	.05	.06	.06
Farm products-raw materials	.30	.34	.13	.11	.15	.06	.01	.01	.00
Electrical goods	.13	.12	.13	.30	.30	.33	2.14	2.16	2.30
Hardware and plumbing	.00	.00	.00	.11	.13	.13	.20	.22	.21
Machinery equipment,supplies	27.80	29.67	28.34	5.34	5.98	4.19	1.22	1.33	.93
Miscellaneous wholesale trade	.40	.47	.80	1.39	1.40	1.37	.83	.78	.75
Metals and minerals, other	.01	.01	.02	.19	.18	.18	.01	.01	.01
Petroleum products	.05	.04	.03	.39	.37	.26	.32	.26	.07
Scrap and waste material	.01	.02	.01	.11	.13	.10	.01	.00	.00
Alcoholic beverages	.00	.00	.00	.02	.03	.03	.01	.01	.00
Paper and paper products	.05	.07	.18	.13	.12	.14	.00	.00	.00
Lumber,construction materials	.09	.10	.17	.15	.15	.20	.11	.12	.19
Other wholesale trade	.16	.21	.36	.37	.39	.43	.35	.36	.46
Retail trade	53.01	44.01	42.82	4.01	4.46	5.07	23.74	25.77	27.75
Building materials	51.63	42.13	40.25	2.00	1.87	1.71	1.56	1.31	.53
Lumber,building material	.30	.29	.17	.18	.19	.13	.70	.62	.19
Hardware and farm equipment	51.33	41.84	40.07	1.82	1.68	1.58	.86	.68	.34
General merchandise,total	.02	.01	.00	.42	.50	.85	7.64	9.90	17.96
Department stores,mail order	.00	.00	.00	.27	.34	.59	6.95	9.15	16.73
Limited price stores	.00	.00	.00	.01	.01	.01	.04	.03	.01
Vending machine operators	.00	.00	.00	.07	.07	.12	.07	.08	.17
Direct selling	.00	.00	.00	.02	.02	.02	.13	.12	.12
Miscellaneous merchandise store	.02	.01	.00	.04	.04	.08	.44	.50	.92
Food and dairy stores	.07	.05	.00	.24	.31	.43	.05	.06	.06
Grocery stores	.05	.03	.00	.16	.20	.29	.02	.02	.00
Dairy products	.00	.00	.00	.01	.02	.01	.00	.00	.01
Retail bakeries	.01	.00	.00	.05	.07	.08	.01	.02	.02
Food stores,cther	.00	.00	.00	.01	.02	.03	.00	.01	.03
Auto dealers,gas stations	.18	.23	.28	.57	.70	.87	.39	.58	.65
Motor vehicle dealers	.10	.16	.22	.13	.15	.18	.02	.02	.00
Tire,battery,accessory dealrs	.01	.00	.00	.07	.11	.17	.21	.37	.40
Gasoline service stations	.03	.01	.00	.23	.23	.18	.08	.08	.04
Miscellaneous vehicle dealers	.03	.04	.05	.12	.19	.31	.05	.10	.20
Apparel and accessory stores	.00	.00	.00	.03	.03	.04	.07	.08	.08
Apparel,accessory,except shoes	.00	.00	.00	.02	.02	.02	.05	.07	.07
Shoe stores	.00	.00	.00	.00	.01	.01	.01	.01	.01
Furniture and appliance stores	.05	.05	.04	.07	.08	.06	11.40	11.55	6.66
Home furnishings	.00	.00	.00	.02	.02	.02	2.78	2.52	1.56
Household appliances,tv,radio	.05	.05	.04	.05	.05	.03	8.61	9.03	5.09
Eating and drinking places	.00	.00	.00	.14	.30	.37	.07	.09	.00
Miscellaneous retail trade	1.04	1.53	2.24	.52	.64	.72	2.52	2.17	1.77
Drug stores	.00	.00	.00	.01	.01	.02	.04	.04	.06
Liquor stores	.00	.00	.00	.00	.01	.01	.01	.01	.01
Farm,garden supply stores	.96	1.49	2.24	.16	.24	.29	.05	.07	.09
Jewelry stores	.00	.00	.00	.00	.00	.00	.03	.02	.00
Fuel and ice dealers	.07	.04	.00	.12	.09	.05	1.82	1.16	.34
Retail florists	.00	.00	.00	.00	.00	.00	.00	.00	.01
Misc retail trade stores	.00	.00	.00	.20	.27	.32	.55	.84	1.24
Finance,insurance and real estate	.00	.00	.00	.51	.54	.48	.26	.31	.24
Finance,total	.00	.00	.00	.02	.02	.02	.01	.02	.01
Credit agencies	.00	.00	.00	.00	.00	.01	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.01	.01	.01	.01	.02	.01
Insurance	.00	.00	.00	.05	.03	.00	.00	.00	.00
Real estate	.00	.00	.00	.43	.48	.45	.25	.28	.23
Services, total	11.48	17.25	18.38	6.24	8.23	9.04	20.10	20.16	24.05

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm implement mechanics			Heavy equip mechanics, incl deisel			Household appliance mechanics		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.28	.34	.42	.10	.17	.30
Hotels and motels	.00	.00	.00	.22	.29	.33	.09	.16	.30
Other lodging places	.00	.00	.00	.06	.05	.08	.00	.00	.00
Other personal services	.00	.00	.00	.36	.28	.22	2.33	1.66	1.10
Laundering and cleaning	.00	.00	.00	.33	.23	.18	2.24	1.49	.98
Misc personal services	.00	.00	.00	.02	.04	.04	.08	.15	.11
Miscellaneous business services	.22	.38	.76	1.10	1.49	1.51	3.04	3.40	3.99
Advertising	.00	.00	.00	.01	.01	.00	1.58	1.19	.66
Business management services	.00	.00	.00	.03	.04	.04	.15	.17	.22
Commercial research,development	.01	.02	.03	.07	.09	.15	.02	.04	.07
Computer programing	.00	.00	.00	.06	.07	.11	.01	.01	.01
Detective and protective serv	.00	.00	.00	.01	.02	.04	.03	.07	.14
Services to buildings	.01	.00	.00	.12	.13	.07	.09	.11	.11
Other business services	.19	.36	.73	.78	1.11	1.08	1.13	1.78	2.75
Automobile services	.17	.24	.28	.25	.36	.34	.05	.08	.10
Automobile repair	.07	.10	.10	.15	.25	.18	.03	.05	.05
Automobile services,exc repair	.09	.13	.17	.10	.11	.16	.02	.03	.05
Other repair services	10.78	16.35	17.07	1.79	2.58	2.28	13.54	13.61	16.77
Electrical repair	.17	.16	.29	.38	.36	.48	12.59	12.15	15.60
Other repair,exc electrical	10.60	16.18	16.78	1.40	2.22	1.79	.95	1.46	1.16
Motion pictures and theaters	.00	.00	.00	.04	.03	.06	.02	.01	.01
Miscellaneous entertainment	.00	.00	.00	.40	.67	.63	.03	.06	.08
Bowling alleys,billards	.00	.00	.00	.13	.17	.13	.01	.01	.00
Other entertainment	.00	.00	.00	.26	.49	.50	.02	.05	.07
Medical and other health service	.00	.00	.00	.90	1.19	2.35	.22	.37	.84
Hospitals	.00	.00	.00	.80	.98	1.72	.18	.24	.52
Convalescent institutions	.00	.00	.00	.06	.11	.50	.02	.04	.16
Other health services	.00	.00	.00	.04	.10	.12	.02	.08	.15
Educational services	.21	.14	.00	.78	.87	.75	.27	.25	.14
Elementary and secondary school	.06	.04	.00	.32	.36	.21	.10	.08	.00
Colleges and universities	.15	.10	.00	.42	.46	.48	.15	.16	.14
Other educational services	.00	.00	.00	.03	.04	.05	.01	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.01	.01	.01	.00	.00	.00
Nonprofit organizations	.04	.07	.17	.12	.15	.21	.26	.27	.43
Religious organizations	.00	.00	.00	.03	.04	.05	.02	.04	.08
Welfare services	.00	.00	.00	.02	.02	.05	.16	.16	.30
Residential welfare services	.00	.00	.00	.01	.01	.03	.00	.00	.00
Nonprofit membership organiztns	.04	.07	.17	.05	.06	.08	.06	.07	.04
Private househlds	.00	.00	.00	.02	.02	.01	.17	.18	.16
Other professional services	.03	.05	.07	.14	.19	.19	.03	.05	.07
Engineering and architectural	.00	.00	.00	.05	.08	.09	.01	.03	.04
Accounting and auditing	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous professional serv	.03	.05	.07	.06	.08	.08	.01	.02	.02
Government,total	.11	.08	.00	3.44	3.52	3.86	2.23	2.13	1.15
Federal public administration	.00	.00	.00	2.26	2.06	2.01	.37	.32	.31
Postal services	.00	.00	.00	.28	.36	.77	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	1.98	1.70	1.24	.37	.32	.31
State public administration	.04	.03	.00	.31	.40	.53	.16	.17	.08
Local public administration	.07	.05	.00	.86	1.05	1.31	1.69	1.63	.75

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Loom fixers			Office machine repairers			Radio, television repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.08	.10	.06
Forestry	.00	.00	.00	.00	.00	.00	.08	.10	.06
Mining	.00	.00	.00	.00	.00	.00	.14	.20	.17
Coal	.00	.00	.00	.00	.00	.00	.02	.03	.02
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.08	.12	.09
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.03	.04	.04
Construction	.00	.00	.00	.06	.04	.00	1.06	1.06	.68
General building contractors	.00	.00	.00	.00	.00	.00	.01	.01	.00
General contractors,exc building	.00	.00	.00	.02	.01	.00	.37	.33	.30
Special trade contractors	.00	.00	.00	.03	.02	.00	.67	.71	.37
Manufacturing	99.53	99.35	99.12	12.64	9.03	9.06	12.09	9.13	16.14
Durable goods	1.09	1.66	3.29	11.79	8.27	8.01	11.34	8.36	15.24
Ordnance	.00	.00	.00	.08	.04	.07	.44	.17	.05
Lumber and wood products	.08	.11	.13	.00	.00	.00	.01	.01	.01
Sawmill,planing and mill work	.03	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.05	.07	.13	.00	.00	.00	.01	.01	.01
Furniture and fixtures	.00	.00	.00	.14	.15	.29	.09	.11	.17
Stone,clay,and glass products	.56	.79	1.29	.01	.01	.00	.06	.06	.07
Glass and glass products	.32	.42	.64	.01	.01	.00	.03	.03	.04
Miscellaneous nonmetallic,stone	.23	.37	.64	.00	.00	.00	.02	.02	.02
Primary metal industries	.00	.00	.00	.00	.00	.00	.56	.52	.61
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	.44	.40	.47
Other primary steel	.00	.00	.00	.00	.00	.00	.07	.08	.12
Primary aluminum	.00	.00	.00	.00	.00	.00	.02	.02	.00
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.02	.01	.01
Fabricated metal products	.00	.00	.00	.07	.09	.17	.16	.13	.08
Cutlery and other hardware	.00	.00	.00	.01	.01	.01	.01	.01	.00
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.03	.04	.06
Metal stamping	.00	.00	.00	.02	.03	.07	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.03	.04	.07	.11	.07	.01
Machinery except electrical	.44	.75	1.87	10.05	6.71	5.71	.35	.32	.18
Engines and turbines	.00	.00	.00	.00	.00	.00	.02	.02	.00
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.03	.04	.05
Construction machines	.00	.00	.00	.00	.00	.00	.02	.03	.01
Metalworking machinery	.00	.00	.00	.05	.06	.11	.04	.04	.01
Office and accounting machines	.00	.00	.00	8.92	5.64	4.17	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.80	.76	1.11	.10	.09	.03
Other machinery,exc electrical	.44	.75	1.87	.27	.24	.30	.10	.09	.04
Electrical machinery	.00	.00	.00	.70	.61	.82	6.13	4.47	11.11
Household appliances	.00	.00	.00	.00	.00	.00	.00	.01	.01
Radio, tv communications equip	.00	.00	.00	.25	.18	.18	4.61	3.32	2.13
Other electrical machinery	.00	.00	.00	.44	.42	.64	1.51	1.13	8.96
Transportation equipment	.00	.00	.00	.37	.32	.43	3.08	2.14	2.58
Motor vehicles and equipment	.00	.00	.00	.05	.03	.00	.22	.24	.22
Aircraft and parts	.00	.00	.00	.21	.19	.27	.99	.82	.66
Ship,boat building and repair	.00	.00	.00	.08	.08	.13	1.85	1.05	1.69
Railroad equipment	.00	.00	.00	.00	.00	.00	.01	.01	.00
Mobile dwellings	.00	.00	.00	.00	.01	.02	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.32	.30	.49	.29	.25	.16
Scientific instruments	.00	.00	.00	.00	.00	.00	.17	.12	.02
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.02	.02	.00
Photo equipment and supplies	.00	.00	.00	.32	.30	.49	.08	.09	.11
Watches and clock devices	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.02	.01	.00	.13	.14	.17
Nondurable goods	98.44	97.68	95.83	.85	.76	1.04	.75	.76	.90

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Loom fixers			Office machine repairers			Radio, television repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.03	.02	.01	.19	.19	.24
Meat	.00	.00	.00	.01	.00	.00	.01	.01	.01
Dairy	.00	.00	.00	.00	.00	.00	.02	.01	.01
Canning and preserving	.00	.00	.00	.00	.00	.00	.05	.05	.08
Grain mill	.00	.00	.00	.01	.01	.01	.00	.01	.02
Bakery	.00	.00	.00	.00	.00	.00	.05	.05	.04
Beverages	.00	.00	.00	.00	.00	.00	.03	.04	.05
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.03	.02	.02
Textile mill products	95.52	93.75	89.23	.03	.02	.03	.00	.00	.00
Knitting mills	2.96	3.50	6.05	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	1.28	1.32	1.07	.00	.00	.00	.00	.00	.00
Floor coverings	2.20	2.43	2.64	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	85.96	82.49	70.81	.01	.00	.00	.00	.00	.00
Miscellaneous textile mill	3.11	4.00	8.65	.02	.01	.03	.00	.00	.00
Apparel and textile products	2.10	2.90	4.53	.01	.01	.02	.03	.04	.05
Apparel and accessories	.91	1.23	2.27	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	1.18	1.67	2.26	.01	.01	.02	.03	.04	.05
Paper and allied products	.02	.02	.00	.14	.12	.17	.09	.11	.17
Pulp,paper paperboard mills	.02	.02	.00	.01	.00	.00	.05	.06	.10
Miscellaneous paper and pulp	.00	.00	.00	.13	.11	.17	.04	.05	.07
Printing and publishing	.00	.00	.00	.38	.34	.43	.03	.04	.05
Newspaper publishing, printing	.00	.00	.00	.05	.05	.11	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.33	.28	.32	.03	.04	.05
Chemicals and allied products	.78	1.00	2.06	.13	.13	.22	.21	.16	.18
Industrial chemicals	.00	.00	.00	.09	.07	.09	.10	.05	.01
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.03	.01	.00
Synthetic fibers	.78	1.00	2.06	.00	.00	.00	.06	.07	.16
Drugs and medicines	.00	.00	.00	.02	.04	.11	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous chemicals	.00	.00	.00	.01	.01	.01	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.05	.06	.08	.04	.04	.02
Petroleum refining	.00	.00	.00	.05	.06	.08	.03	.03	.01
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Rubber,miscellaneous plastics	.00	.00	.00	.03	.03	.06	.10	.13	.13
Rubber	.00	.00	.00	.03	.03	.06	.02	.02	.03
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.08	.11	.10
Transportation, other public util	.00	.00	.00	.81	.80	1.22	6.04	6.31	6.61
Transportation,total	.00	.00	.00	.07	.04	.00	2.20	2.01	1.42
Railroads and railway express	.00	.00	.00	.04	.01	.00	.54	.42	.30
Local and interurban transit	.00	.00	.00	.01	.00	.00	.05	.05	.05
Street railways and bus lines	.00	.00	.00	.01	.00	.00	.05	.04	.04
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.03	.03	.00
Trucking services	.00	.00	.00	.00	.00	.00	.02	.02	.00
Water transportation	.00	.00	.00	.00	.00	.00	.09	.10	.09
Air transportation	.00	.00	.00	.01	.01	.00	1.42	1.36	.91
Pipelines	.00	.00	.00	.00	.00	.00	.02	.02	.02
Transportation services	.00	.00	.00	.00	.00	.00	.01	.01	.02
Communicatns,utils,sanitary serv	.00	.00	.00	.73	.75	1.22	3.84	4.29	5.19
Communications	.00	.00	.00	.68	.69	1.11	2.90	3.36	4.30
Telephone(wire and radio)	.00	.00	.00	.63	.63	.98	.99	1.15	1.77
Telegraph,misc communicatn serv	.00	.00	.00	.04	.06	.12	.60	.80	.98
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	1.31	1.41	1.54
Utilities and sanitary services	.00	.00	.00	.05	.06	.11	.94	.93	.88
Electric light and power	.00	.00	.00	.05	.06	.11	.22	.18	.03
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.15	.11	.04
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.11	.10	.10
Water supply	.00	.00	.00	.00	.00	.00	.43	.51	.69
Wholesale and retail trade	.26	.32	.48	65.81	66.04	67.38	28.25	30.97	26.38
Wholesale trade	.26	.32	.48	47.04	43.88	35.49	3.98	4.00	3.10

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Loom fixers			Office machine repairers			Radio, television repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.21	.27	.48	42.02	39.79	31.14	3.70	3.77	3.00
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.07	.08	.09
Drugs,chemicals,allied product	.00	.00	.00	.04	.05	.08	.00	.00	.00
Dry goods and apparel	.21	.27	.48	.00	.00	.00	.00	.00	.00
Food and related products	.00	.00	.00	.00	.00	.00	.03	.05	.07
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.01	.01	.01
Electrical goods	.00	.00	.00	.29	.24	.24	2.87	2.74	2.01
Hardware and plumbing	.00	.00	.00	.08	.07	.07	.02	.02	.00
Machinery equipment,supplies	.00	.00	.00	41.59	39.42	30.73	.66	.84	.79
Miscellaneous wholesale trade	.05	.04	.00	5.02	4.08	4.34	.28	.23	.09
Metals and minerals, other	.00	.00	.00	.02	.01	.01	.01	.01	.00
Petroleum products	.00	.00	.00	.00	.00	.00	.01	.02	.03
Scrap and waste material	.00	.00	.00	.01	.01	.01	.01	.01	.00
Paper and paper products	.00	.00	.00	1.65	1.15	1.20	.04	.02	.00
Lumber,construction materials	.00	.00	.00	.02	.01	.01	.00	.00	.00
Other wholesale trade	.05	.04	.00	3.30	2.87	3.09	.19	.15	.04
Retail trade	.00	.00	.00	18.76	22.16	31.88	24.27	26.96	23.28
Building materials	.00	.00	.00	.00	.00	.00	.46	.45	.35
Lumber,building material	.00	.00	.00	.00	.00	.00	.10	.14	.15
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.35	.31	.20
General merchandise,total	.00	.00	.00	.58	.57	.94	4.44	4.21	2.25
Department stores,mail order	.00	.00	.00	.51	.51	.82	4.12	3.95	2.09
Limited price stores	.00	.00	.00	.00	.00	.00	.06	.05	.06
Direct selling	.00	.00	.00	.02	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.05	.05	.12	.25	.20	.09
Food and dairy stores	.00	.00	.00	.09	.05	.00	.02	.02	.00
Grocery stores	.00	.00	.00	.09	.05	.00	.02	.01	.00
Auto dealers,gas stations	.00	.00	.00	.03	.02	.01	.39	.42	.28
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.12	.10	.07
Tire,battery,accessory dealsrs	.00	.00	.00	.00	.00	.00	.17	.22	.15
Gasoline service stations	.00	.00	.00	.01	.00	.00	.03	.05	.03
Miscellaneous vehicle dealers	.00	.00	.00	.01	.01	.01	.05	.04	.02
Apparel and accessory stores	.00	.00	.00	.05	.07	.14	.04	.05	.09
Apparel,accessory,except shoes	.00	.00	.00	.05	.07	.14	.01	.01	.00
Shoe stores	.00	.00	.00	.00	.00	.00	.02	.04	.09
Furniture and appliance stores	.00	.00	.00	.23	.25	.25	18.56	21.44	20.04
Home furnishings	.00	.00	.00	.02	.01	.00	1.06	1.06	.81
Household appliances,tv,radio	.00	.00	.00	.21	.23	.25	17.49	20.38	19.23
Eating and drinking places	.00	.00	.00	.01	.01	.00	.03	.03	.00
Miscellaneous retail trade	.00	.00	.00	17.75	21.16	30.52	.29	.31	.23
Drug stores	.00	.00	.00	.01	.01	.00	.02	.03	.07
Liquor stores	.00	.00	.00	.00	.00	.00	.00	.01	.01
Farm,garden supply stores	.00	.00	.00	.02	.02	.01	.00	.01	.00
Jewelry stores	.00	.00	.00	.00	.00	.00	.01	.01	.00
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.05	.05	.06
Retail florists	.00	.00	.00	.00	.01	.01	.00	.00	.00
Misc retail trade stores	.00	.00	.00	17.70	21.11	30.49	.17	.17	.06
Finance,insurance and real estate	.00	.00	.00	1.21	.95	.87	.02	.02	.00
Finance,total	.00	.00	.00	.72	.60	.59	.00	.00	.00
Banking	.00	.00	.00	.60	.47	.41	.00	.00	.00
Credit agencies	.00	.00	.00	.08	.08	.13	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.03	.04	.03	.00	.00	.00
Insurance	.00	.00	.00	.45	.32	.28	.00	.00	.00
Real estate	.00	.00	.00	.03	.02	.00	.01	.01	.00
Services, total	.20	.32	.39	18.23	21.93	19.67	40.78	41.52	45.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Loom fixers			Office machine repairers			Radio, television repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.01	.01	.00	.20	.21	.17
Hotels and motels	.00	.00	.00	.01	.01	.00	.15	.18	.15
Other lodging places	.00	.00	.00	.00	.00	.00	.05	.02	.02
Other personal services	.00	.00	.00	.01	.00	.00	.04	.08	.14
Laundering and cleaning	.00	.00	.00	.01	.00	.00	.01	.01	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.02	.07	.14
Miscellaneous business services	.02	.02	.00	5.24	5.84	6.89	1.86	2.11	1.01
Advertising	.00	.00	.00	.02	.01	.01	.00	.00	.00
Business management services	.00	.00	.00	.90	.97	1.25	.00	.00	.00
Commercial research,development	.02	.02	.00	.01	.01	.01	.11	.14	.14
Computer programing	.00	.00	.00	1.73	1.73	2.13	.08	.08	.06
Detective and protective serv	.00	.00	.00	.00	.00	.00	.08	.15	.21
Services to buildings	.00	.00	.00	.06	.06	.06	.00	.00	.00
Other business services	.00	.00	.00	2.49	3.03	3.40	1.56	1.71	.59
Automobile services	.00	.00	.00	.02	.02	.02	.06	.07	.05
Automobile repair	.00	.00	.00	.01	.01	.00	.05	.05	.04
Automobile services,exc repair	.00	.00	.00	.01	.01	.02	.01	.01	.01
Other repair services	.17	.29	.39	11.23	14.25	10.76	35.30	35.01	39.67
Electrical repair	.07	.08	.15	1.09	.84	1.22	34.73	34.22	39.34
Other repair,exc electrical	.10	.21	.23	10.13	13.40	9.53	.56	.78	.33
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.15	.13	.19
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.07	.16	.24
Other entertainment	.00	.00	.00	.00	.00	.00	.06	.16	.23
Medical and other health service	.00	.00	.00	.10	.12	.22	.38	.62	1.50
Hospitals	.00	.00	.00	.05	.04	.00	.34	.56	1.46
Other health services	.00	.00	.00	.04	.08	.22	.03	.05	.03
Educational services	.00	.00	.00	1.27	1.30	1.25	2.12	2.51	1.74
Elementary and secondary school	.00	.00	.00	.80	.83	.67	1.11	1.47	1.08
Colleges and universities	.00	.00	.00	.30	.28	.35	.90	.90	.53
Other educational services	.00	.00	.00	.17	.18	.22	.10	.13	.12
Museums,art galleries,zoos	.00	.00	.00	.00	.00	.00	.00	.01	.00
Nonprofit organizations	.00	.00	.00	.11	.14	.32	.14	.12	.09
Religious organizations	.00	.00	.00	.00	.00	.00	.01	.01	.00
Welfare services	.00	.00	.00	.03	.04	.10	.10	.07	.02
Nonprofit membership organiztns	.00	.00	.00	.07	.09	.21	.02	.03	.06
Private households	.00	.00	.00	.00	.00	.00	.03	.06	.05
Other professional services	.00	.00	.00	.19	.20	.18	.37	.37	.09
Engineering and architectural	.00	.00	.00	.00	.00	.00	.22	.19	.01
Accounting and auditing	.00	.00	.00	.16	.17	.14	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.02	.02	.04	.13	.17	.08
Government,total	.00	.00	.00	1.22	1.19	1.78	11.49	10.66	4.93
Federal public administration	.00	.00	.00	.80	.71	1.00	9.97	8.85	3.16
Postal services	.00	.00	.00	.11	.11	.07	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	.69	.59	.92	9.97	8.85	3.16
State public administration	.00	.00	.00	.21	.23	.29	.74	.76	.30
Local public administration	.00	.00	.00	.20	.24	.48	.77	1.05	1.46

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Railroad car shop repairers			Other mechanics, apprentices			Printing trdes craft workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.20	.19	.14	.00	.00	.00
Agriculture	.00	.00	.00	.15	.15	.13	.00	.00	.00
Agricultural production	.00	.00	.00	.04	.02	.00	.00	.00	.00
Services,except horticulture	.00	.00	.00	.04	.04	.04	.00	.00	.00
Horticultural services	.00	.00	.00	.07	.09	.09	.00	.00	.00
Forestry	.00	.00	.00	.02	.01	.00	.00	.00	.00
Fisheries	.00	.00	.00	.02	.02	.00	.00	.00	.00
Mining	.60	.94	1.65	1.27	1.43	1.19	.06	.09	.10
Metal	.45	.67	1.28	.29	.25	.24	.00	.01	.01
Coal	.09	.20	.28	.30	.36	.40	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.55	.72	.49	.05	.08	.08
Nonmetallic mining and quarrying	.04	.06	.08	.11	.09	.04	.00	.00	.00
Construction	.00	.00	.00	1.95	2.29	3.21	.35	.35	.35
General building contractors	.00	.00	.00	.11	.12	.14	.07	.08	.09
General contractors,exc building	.00	.00	.00	.38	.40	.59	.28	.27	.25
Special trade contractors	.00	.00	.00	1.45	1.76	2.47	.00	.00	.00
Manufacturing	5.92	8.53	14.42	29.63	23.50	21.09	89.48	87.42	84.57
Durable goods	5.30	7.74	13.06	19.45	15.80	14.74	6.01	5.70	5.09
Ordnanace	.11	.09	.21	1.18	.59	.73	.14	.06	.01
Lumber and wood products	.08	.09	.09	.20	.13	.08	.08	.10	.14
Logging	.00	.00	.00	.01	.01	.00	.00	.00	.00
Sawmill,planing and-mill work	.08	.09	.09	.13	.08	.05	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.05	.03	.02	.07	.09	.14
Furniture and fixtures	.00	.00	.00	.10	.08	.04	.08	.10	.19
Stone,clay,and glass products	.05	.06	.04	.67	.47	.16	.15	.17	.24
Glass and glass products	.05	.06	.04	.18	.12	.03	.07	.08	.11
Cement,concrete,plaster	.00	.00	.00	.28	.20	.06	.03	.03	.04
Structural clay products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.03	.02	.00	.01	.02	.03
Miscellaneous nonmetallic,stone	.00	.00	.00	.15	.11	.05	.02	.03	.04
Primary metal industries	1.99	2.34	3.68	3.24	2.27	1.51	.33	.31	.41
Blast furnaces,steel works	1.70	1.93	2.84	2.00	1.23	.60	.17	.16	.27
Other primary steel	.21	.29	.56	.41	.27	.14	.07	.07	.12
Primary aluminum	.00	.00	.00	.48	.47	.45	.03	.02	.00
Other primary nonferrous	.07	.11	.27	.34	.29	.30	.04	.04	.01
Fabricated metal products	.14	.19	.26	1.68	1.47	1.13	1.39	1.34	1.09
Cutlery and other hardware	.00	.00	.00	.55	.48	.28	.09	.12	.24
Fabricated structural metal	.14	.19	.26	.31	.25	.15	.09	.12	.23
Screw machine products	.00	.00	.00	.03	.02	.02	.02	.01	.00
Metal stamping	.00	.00	.00	.20	.19	.22	.18	.17	.14
Miscellaneous fabricated metal	.00	.00	.00	.57	.51	.45	1.00	.89	.47
Machinery except electrical	.12	.23	.66	2.45	2.37	2.91	.89	.83	.54
Engines and turbines	.00	.00	.00	.31	.33	.37	.03	.03	.01
Farm machinery and equipment	.00	.00	.00	.17	.13	.04	.03	.04	.06
Construction machines	.02	.02	.00	.24	.26	.34	.05	.06	.04
Metalworking machinery	.00	.00	.00	.20	.20	.25	.13	.12	.07
Office and accounting machines	.00	.00	.00	.22	.12	.04	.07	.05	.04
Electronic computing equipment	.00	.00	.00	.13	.15	.30	.11	.11	.05
Other machinery,exc electrical	.10	.20	.66	1.15	1.16	1.54	.45	.40	.23
Electrical machinery	.00	.00	.00	3.34	3.08	3.76	.94	.75	.33
Household appliances	.00	.00	.00	.30	.25	.30	.05	.04	.02
Radio,tv communications equip	.00	.00	.00	.88	.70	.77	.32	.22	.09
Other electrical machinery	.00	.00	.00	2.16	2.12	2.69	.56	.47	.21
Transportation equipment	2.77	4.71	8.09	4.06	3.07	2.45	.55	.56	.55
Motor vehicles and equipment	.12	.18	.26	.87	.78	.54	.15	.20	.25
Aircraft and parts	.00	.00	.00	1.30	.94	.72	.26	.22	.16
Ship,boat building and repair	.10	.19	.46	1.57	.95	.52	.07	.07	.11
Railroad equipment	2.55	4.33	7.36	.09	.10	.11	.04	.04	.01
Mobile dwellings	.00	.00	.00	.08	.09	.26	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.14	.20	.29	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	1.83	1.76	1.74	.43	.44	.38
Scientific instruments	.00	.00	.00	.86	.81	.83	.20	.18	.09
Optical,health serv supplies	.00	.00	.00	.35	.46	.65	.07	.08	.05
Photo equipment and supplies	.00	.00	.00	.55	.43	.23	.13	.15	.20
Watches and clock devices	.00	.00	.00	.06	.03	.01	.02	.02	.03
Miscellaneous manufacturing	.01	.01	.00	.65	.45	.17	.97	1.01	1.16
Nondurable goods	.62	.78	1.36	10.17	7.70	6.35	83.46	81.72	79.47

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Railroad car shop repairers			Other mechanics, apprentices			Printing trdes craft workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.04	.06	.08	2.08	1.34	.52	.39	.41	.60
Meat	.00	.00	.00	.19	.14	.06	.02	.03	.04
Dairy	.00	.00	.00	.05	.02	.00	.05	.03	.02
Canning and preserving	.00	.00	.00	.23	.15	.06	.13	.15	.26
Grain mill	.02	.03	.03	.11	.07	.03	.07	.08	.11
Bakery	.00	.00	.00	.07	.05	.05	.01	.00	.00
Confectionery	.00	.00	.00	.03	.01	.00	.02	.02	.02
Beverages	.00	.00	.00	1.19	.74	.26	.02	.03	.04
Miscellaneous food preparation	.02	.03	.05	.18	.12	.04	.04	.05	.07
Tobacco manufacturing	.05	.05	.07	.29	.14	.03	.02	.02	.02
Textile mill products	.02	.03	.04	.83	.55	.34	1.03	1.06	1.62
Knitting mills	.00	.00	.00	.07	.05	.06	.15	.16	.32
Dyeing,finishing textiles	.00	.00	.00	.03	.02	.01	.52	.54	.74
Floor coverings	.02	.03	.04	.02	.02	.01	.02	.03	.09
Yarn and fabric mills	.00	.00	.00	.67	.44	.25	.25	.23	.31
Miscellaneous textile mill	.00	.00	.00	.02	.01	.00	.08	.08	.15
Apparel and textile products	.00	.00	.00	.13	.09	.04	.48	.59	.91
Apparel and accessories	.00	.00	.00	.08	.05	.01	.22	.25	.37
Miscellaneous fabricated textile	.00	.00	.00	.05	.04	.02	.25	.33	.54
Paper and allied products	.07	.07	.04	1.08	.69	.36	4.70	4.67	5.19
Pulp,paper paperboard mills	.07	.07	.04	.82	.53	.28	.60	.54	.53
Paperboard ccontainers,boxes	.00	.00	.00	.11	.06	.03	2.39	2.30	2.83
Miscellaneous paper and pulp	.00	.00	.00	.14	.10	.03	1.69	1.82	1.82
Printing and publishing	.00	.00	.00	.15	.11	.07	75.54	73.56	69.71
Newspaper publishing, printing	.00	.00	.00	.03	.03	.05	20.17	19.57	18.24
Other printing,exc newspapers	.00	.00	.00	.12	.07	.01	55.37	53.99	51.46
Chemicals and allied products	.33	.44	.97	3.94	3.27	3.84	.56	.55	.60
Industrial chemicals	.28	.39	.89	2.51	2.12	2.48	.08	.07	.07
Plastics and synthetics	.00	.00	.00	.39	.31	.37	.06	.04	.02
Synthetic fibers	.00	.00	.00	.41	.35	.43	.02	.03	.09
Drugs and medicines	.00	.00	.00	.13	.09	.02	.15	.18	.18
Soaps and cosmetics	.00	.00	.00	.09	.09	.14	.06	.06	.04
Paints and varnishes	.00	.00	.00	.03	.03	.08	.07	.08	.14
Agricultural chemicals	.01	.01	.00	.13	.12	.11	.03	.03	.02
Miscellaneous chemicals	.03	.03	.08	.21	.13	.18	.07	.04	.01
Petroleum and coal products	.07	.10	.13	.94	.83	.59	.06	.06	.04
Petroleum refining	.05	.07	.09	.92	.81	.57	.05	.05	.04
Misc petroleum,coal products	.02	.03	.03	.02	.02	.02	.00	.00	.00
Rubber,miscellaneous plastics	.02	.02	.00	.61	.59	.51	.58	.71	.68
Rubber	.00	.00	.00	.38	.29	.22	.14	.15	.21
Miscellaneous plastics	.02	.02	.00	.22	.29	.29	.44	.55	.46
Leather products	.00	.00	.00	.08	.05	.02	.06	.06	.07
Leather tanning and finishing	.00	.00	.00	.01	.00	.00	.01	.00	.01
Footwear, except rubber	.00	.00	.00	.02	.01	.01	.03	.03	.03
All other leather	.00	.00	.00	.04	.02	.00	.02	.02	.02
Transportation, other public util	91.85	87.92	80.07	9.06	7.69	5.65	.45	.54	.81
Transportation,total	91.85	87.92	80.07	2.11	1.58	1.12	.08	.08	.08
Railroads and railway express	89.57	84.57	73.93	.37	.19	.10	.03	.03	.02
Local and interurban transit	1.12	1.17	2.00	.03	.02	.05	.00	.00	.00
Street railways and bus lines	1.12	1.17	2.00	.03	.02	.05	.00	.00	.00
Trucking and warehousing	.25	.36	.34	.15	.14	.12	.00	.00	.00
Trucking services	.25	.36	.34	.11	.11	.11	.00	.00	.00
Warehousing and storage	.00	.00	.00	.03	.02	.00	.00	.00	.00
Water transportation	.00	.00	.00	.59	.43	.15	.01	.01	.01
Air transportation	.03	.08	.11	.86	.70	.63	.00	.00	.00
Pipelines	.00	.00	.00	.03	.01	.00	.00	.00	.00
Transportation services	.86	1.71	3.67	.05	.06	.05	.02	.03	.04
Communicatns,utils,sanitary serv	.00	.00	.00	6.94	6.10	4.52	.37	.45	.72
Communications	.00	.00	.00	.32	.21	.05	.20	.29	.65
Telephone(wire and radio)	.00	.00	.00	.22	.13	.02	.12	.17	.43
Telegraph,misc communicatn serv	.00	.00	.00	.06	.06	.02	.03	.04	.07
Radio and tv broadcasting	.00	.00	.00	.03	.02	.01	.04	.06	.14
Utilities and sanitary services	.00	.00	.00	6.62	5.88	4.46	.17	.16	.07
Electric light and power	.00	.00	.00	2.07	2.12	1.67	.07	.08	.03
Electric-gas utilities	.00	.00	.00	1.51	1.26	1.15	.04	.03	.00
Gas steam supply systems	.00	.00	.00	.72	.54	.32	.03	.03	.04
Water supply	.00	.00	.00	2.18	1.84	1.23	.00	.00	.00
Sanitary services	.00	.00	.00	.10	.08	.04	.00	.00	.00
Other utilities	.00	.00	.00	.02	.02	.03	.00	.00	.00
Wholesale and retail trade	.51	.79	1.19	26.74	28.95	34.10	3.08	3.51	3.49
Wholesale trade	.48	.77	1.19	10.85	11.13	9.56	1.63	1.77	1.85

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Railroad car shop repairers			Other mechanics, apprentices			Printing trdes craft workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.31	.48	.59	9.38	9.67	7.91	.77	.98	1.28
Motor vehicles and equipment	.12	.19	.27	.50	.49	.41	.05	.06	.05
Drugs,chemicals,allied product	.00	.00	.00	.17	.16	.12	.09	.11	.14
Dry goods and apparel	.00	.00	.00	.04	.03	.01	.05	.07	.14
Food and related products	.00	.00	.00	.39	.33	.19	.12	.15	.17
Farm products-raw materials	.00	.00	.00	.02	.02	.00	.01	.01	.00
Electrical goods	.00	.00	.00	1.15	1.12	1.32	.08	.08	.06
Hardware and plumbing	.00	.00	.00	.21	.21	.20	.09	.11	.11
Machinery equipment,supplies	.18	.29	.31	6.86	7.28	5.62	.24	.37	.58
Miscellaneous wholesale trade	.17	.28	.60	1.47	1.46	1.64	.86	.78	.56
Metals and minerals, other	.05	.10	.30	.09	.08	.10	.02	.02	.00
Petroleum products	.09	.16	.29	.20	.17	.11	.01	.00	.00
Scrap and waste material	.00	.00	.00	.03	.04	.03	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.02	.03	.04	.01	.00	.00
Paper and paper products	.00	.00	.00	.03	.03	.03	.34	.30	.25
Lumber,construction materials	.00	.00	.00	.05	.05	.07	.04	.03	.03
Other wholesale trade	.01	.01	.00	1.03	1.04	1.25	.41	.40	.27
Retail trade	.02	.02	.00	15.88	17.81	24.53	1.44	1.73	1.64
Building materials	.00	.00	.00	1.44	1.04	.41	.03	.04	.04
Lumber,building material	.00	.00	.00	.23	.19	.05	.03	.04	.03
Hardware and farm equipment	.00	.00	.00	1.21	.84	.36	.00	.00	.00
General merchandise,total	.00	.00	.00	6.51	6.52	11.31	.46	.51	.57
Department stores,mail order	.00	.00	.00	.53	.63	1.10	.34	.40	.42
Limited price stores	.00	.00	.00	.04	.02	.00	.03	.03	.06
Vending machine operators	.00	.00	.00	5.71	5.67	9.91	.00	.00	.00
Direct selling	.00	.00	.00	.12	.11	.12	.03	.02	.02
Miscellaneous merchadise store	.00	.00	.00	.08	.07	.16	.06	.05	.06
Food and dairy stores	.00	.00	.00	.13	.13	.12	.11	.11	.06
Grocery stores	.00	.00	.00	.07	.07	.06	.11	.11	.06
Dairy products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Retail bakeries	.00	.00	.00	.01	.01	.01	.00	.00	.00
Food stores,other	.00	.00	.00	.02	.03	.04	.00	.00	.00
Auto dealers,gas stations	.02	.02	.00	3.61	5.02	7.11	.01	.01	.00
Motor vehicle dealers	.01	.01	.00	.12	.14	.17	.01	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.11	.15	.25	.00	.00	.00
Gasoline service stations	.00	.00	.00	.08	.07	.05	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	3.28	4.64	6.63	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.07	.06	.02	.06	.09	.17
Apparel,accessory,except shoes	.00	.00	.00	.05	.05	.02	.05	.07	.12
Shoe stores	.00	.00	.00	.01	.01	.00	.01	.02	.05
Furniture and appliance stores	.00	.00	.00	1.33	1.21	.51	.03	.03	.03
Home furnishings	.00	.00	.00	.08	.06	.02	.02	.02	.03
Household appliances,tv,radio	.00	.00	.00	1.24	1.14	.49	.00	.00	.00
Eating and drinking places	.00	.00	.00	.41	.72	.63	.02	.02	.00
Miscellaneous retail trade	.00	.00	.00	2.35	3.08	4.38	.70	.90	.74
Drug stores	.00	.00	.00	.00	.00	.00	.03	.05	.10
Liquor stores	.00	.00	.00	.02	.02	.00	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.24	.31	.37	.01	.01	.00
Jewelry stores	.00	.00	.00	.00	.00	.00	.25	.34	.19
Fuel and ice dealers	.00	.00	.00	.17	.11	.05	.00	.00	.00
Retail florists	.00	.00	.00	.00	.00	.00	.02	.03	.00
Misc retail trade stores	.00	.00	.00	1.90	2.62	3.95	.36	.46	.45
Finance,insurance and real estate	.00	.00	.00	.29	.28	.28	1.14	1.12	1.11
Finance,total	.00	.00	.00	.06	.06	.10	.48	.42	.29
Banking	.00	.00	.00	.04	.04	.09	.33	.26	.12
Credit agencies	.00	.00	.00	.00	.00	.00	.08	.09	.07
Stock brokers,investment cos	.00	.00	.00	.02	.01	.01	.06	.06	.09
Insurance	.00	.00	.00	.00	.00	.00	.62	.63	.71
Real estate	.00	.00	.00	.22	.21	.18	.03	.06	.10
Services, total	.43	1.01	1.63	23.54	29.50	29.79	3.67	4.80	6.25

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Railroad car shop repairers			Other mechanics, apprentices			Printing trdes craft workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.31	.39	.56	.03	.05	.08
Hotels and motels	.00	.00	.00	.22	.31	.45	.03	.05	.08
Other lodging places	.00	.00	.00	.09	.07	.11	.00	.00	.00
Other personal services	.00	.00	.00	.20	.21	.13	.07	.16	.16
Laundering and cleaning	.00	.00	.00	.12	.09	.07	.00	.00	.00
Misc personal services	.00	.00	.00	.06	.10	.05	.07	.16	.16
Miscellaneous business services	.03	.04	.00	2.64	3.77	5.54	.81	1.06	1.00
Advertising	.00	.00	.00	.02	.01	.00	.25	.26	.26
Business management services	.00	.00	.00	.03	.04	.08	.05	.07	.07
Commercial research,development	.00	.00	.00	.19	.26	.53	.04	.05	.03
Computer programing	.00	.00	.00	.04	.05	.07	.02	.03	.04
Detective and protective serv	.00	.00	.00	.55	.91	1.30	.00	.00	.00
Services to buildings	.01	.01	.00	.09	.09	.08	.00	.00	.00
Other business services	.02	.03	.00	1.70	2.38	3.46	.42	.63	.58
Automobile services	.04	.15	.09	.23	.31	.26	.00	.00	.00
Automobile repair	.04	.15	.09	.17	.25	.17	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.05	.05	.08	.00	.00	.00
Other repair services	.21	.48	.77	11.88	14.73	13.64	.00	.00	.00
Electrical repair	.05	.06	.10	3.94	3.49	4.56	.00	.00	.00
Other repair,exc electrical	.15	.41	.66	7.94	11.23	9.07	.00	.00	.00
Motion pictures and theaters	.01	.01	.00	.16	.10	.08	.03	.02	.06
Miscellaneous entertainment	.04	.16	.38	5.25	6.50	4.70	.04	.11	.25
Bowling alleys,billards	.00	.00	.00	3.58	3.77	2.70	.00	.00	.00
Other entertainment	.04	.16	.38	1.66	2.72	2.00	.04	.11	.25
Medical and other health service	.00	.00	.00	.83	1.05	1.92	.38	.71	2.22
Offices of physicians	.00	.00	.00	.01	.01	.00	.00	.00	.00
Offices of dentists	.00	.00	.00	.00	.01	.01	.00	.00	.00
Hospitals	.00	.00	.00	.71	.79	1.26	.31	.58	2.12
Convalescent institutions	.00	.00	.00	.03	.07	.39	.00	.00	.00
Other health services	.00	.00	.00	.06	.15	.24	.05	.12	.10
Legal services	.00	.00	.00	.00	.00	.00	.01	.03	.04
Educational services	.00	.00	.00	1.54	1.79	2.12	1.48	1.63	1.45
Elementary and secondary school	.00	.00	.00	.52	.63	.53	.28	.28	.08
Colleges and universities	.00	.00	.00	.89	1.01	1.32	1.06	1.19	1.18
Libraries	.00	.00	.00	.00	.00	.00	.04	.04	.06
Other educational services	.00	.00	.00	.11	.14	.24	.09	.11	.11
Museums,art galleries,zoos	.01	.02	.03	.02	.03	.05	.01	.01	.01
Nonprofit organizations	.05	.12	.34	.14	.15	.27	.48	.58	.68
Religious organizations	.05	.12	.34	.01	.02	.04	.20	.22	.08
Welfare services	.00	.00	.00	.05	.05	.07	.08	.08	.09
Residential welfare services	.00	.00	.00	.01	.02	.13	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.05	.04	.02	.18	.26	.49
Private housechlds	.00	.00	.00	.05	.07	.03	.00	.00	.00
Other professional services	.00	.01	.00	.24	.35	.45	.28	.39	.27
Engineering and architectural	.00	.01	.00	.07	.11	.17	.12	.18	.11
Accounting and auditing	.00	.00	.00	.00	.01	.01	.05	.08	.06
Miscellaneous professional serv	.00	.00	.00	.16	.22	.26	.10	.13	.09
Government,total	.67	.79	1.03	7.28	6.14	4.51	1.74	2.12	3.29
Federal public administration	.57	.57	.40	5.43	4.45	3.79	1.21	1.29	1.76
Postal services	.00	.00	.00	.15	.16	.10	.01	.02	.02
Federal pub adm,exc post office	.57	.57	.40	5.28	4.29	3.68	1.19	1.27	1.73
State public administration	.06	.18	.62	.56	.53	.23	.27	.46	.91
Local public administration	.03	.04	.00	1.28	1.14	.48	.25	.36	.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookbinders			Compositors and typesetters			Electrtyprs and stereotypers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.03	.04	.00	.07	.12	.18	.00	.00	.00
Metal	.00	.00	.00	.02	.02	.04	.00	.00	.00
Crude petroleum and natural gas	.03	.04	.00	.05	.10	.13	.00	.00	.00
Construction	.04	.03	.00	.32	.35	.41	1.14	1.15	.00
General building contractors	.00	.00	.00	.10	.14	.27	.35	.35	.00
General contractors,exc building	.04	.03	.00	.22	.21	.13	.78	.80	.00
Manufacturing	92.87	91.97	92.10	89.09	87.11	80.79	95.94	95.95	100.00
Durable goods	.57	.51	.47	5.14	4.84	5.03	4.68	5.50	12.11
Ordnance	.06	.02	.00	.13	.05	.01	.00	.00	.00
Lumber and wood products	.00	.00	.00	.12	.14	.21	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.11	.13	.21	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.12	.16	.38	.05	.05	.00
Stone,clay,and glass products	.00	.00	.00	.13	.17	.32	.18	.15	.00
Glass and glass products	.00	.00	.00	.03	.05	.13	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.03	.03	.04	.10	.10	.00
Pottery and related products	.00	.00	.00	.01	.01	.02	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.05	.06	.11	.08	.05	.00
Primary metal industries	.05	.03	.00	.43	.43	.68	1.82	2.20	7.11
Blast furnaces,steel works	.05	.03	.00	.24	.26	.52	1.31	1.45	4.44
Other primary steel	.00	.00	.00	.08	.08	.15	.44	.65	2.66
Primary aluminum	.00	.00	.00	.04	.03	.00	.07	.10	.00
Other primary nonferrous	.00	.00	.00	.06	.04	.00	.00	.00	.00
Fabricated metal products	.00	.00	.00	.70	.67	.79	.58	.85	2.44
Cutlery and other hardware	.00	.00	.00	.08	.13	.34	.18	.25	.55
Fabricated structural metal	.00	.00	.00	.10	.14	.33	.00	.00	.00
Screw machine products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Metal stamping	.00	.00	.00	.09	.06	.00	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.39	.31	.09	.40	.60	1.88
Machinery except electrical	.01	.00	.00	.74	.66	.37	1.00	1.20	2.55
Engines and turbines	.00	.00	.00	.02	.02	.00	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.05	.07	.16	.07	.05	.00
Construction machines	.01	.00	.00	.05	.05	.00	.00	.00	.00
Metalworking machinery	.00	.00	.00	.06	.07	.06	.00	.00	.00
Office and accounting machines	.00	.00	.00	.04	.03	.01	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.09	.09	.04	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.40	.31	.08	.92	1.15	2.55
Electrical machinery	.10	.13	.21	1.01	.70	.13	.08	.05	.00
Household appliances	.00	.00	.00	.06	.04	.00	.08	.05	.00
Radio, tv communications equip	.10	.13	.21	.28	.17	.03	.00	.00	.00
Other electrical machinery	.00	.00	.00	.67	.48	.09	.00	.00	.00
Transportation equipment	.11	.10	.00	.43	.46	.48	.50	.55	.00
Motor vehicles and equipment	.02	.01	.00	.13	.19	.21	.31	.35	.00
Aircraft and parts	.00	.00	.00	.17	.14	.13	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.08	.08	.13	.00	.00	.00
Railroad equipment	.09	.08	.00	.03	.03	.00	.08	.10	.00
Mobile dwellings	.00	.00	.00	.00	.00	.00	.10	.10	.00
Cycles,misc transportation	.00	.00	.00	.00	.01	.00	.00	.00	.00
Professional,scientific instrs	.11	.13	.25	.40	.40	.26	.20	.20	.00
Scientific instruments	.04	.03	.00	.13	.10	.03	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.09	.10	.04	.00	.00	.00
Photo equipment and supplies	.06	.09	.25	.15	.16	.13	.20	.20	.00
Watches and clock devices	.00	.00	.00	.02	.02	.05	.00	.00	.00
Miscellaneous manufacturing	.10	.07	.00	.87	.97	1.36	.24	.25	.00
Nondurable goods	92.30	91.45	91.62	83.95	82.26	75.75	91.25	90.45	87.88

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookbinders			Compositors and typesetters			Electrtyprs and stereotyprs		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.06	.04	.00	.51	.52	.84	.11	.20	.77
Meat	.00	.00	.00	.04	.04	.04	.00	.00	.00
Dairy	.00	.00	.00	.06	.05	.03	.00	.00	.00
Canning and preserving	.00	.00	.00	.19	.23	.45	.00	.00	.00
Grain mill	.00	.00	.00	.07	.08	.12	.11	.20	.77
Bakery	.06	.04	.00	.01	.00	.00	.00	.00	.00
Confectionery	.00	.00	.00	.02	.01	.00	.00	.00	.00
Beverages	.00	.00	.00	.03	.03	.05	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.05	.06	.11	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.03	.03	.03	.00	.00	.00
Textile mill products	.00	.00	.00	1.92	2.10	4.01	.00	.00	.00
Knitting mills	.00	.00	.00	.29	.34	.87	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	1.02	1.11	1.81	.00	.00	.00
Floor coverings	.00	.00	.00	.04	.06	.23	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.41	.43	.76	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.14	.15	.31	.00	.00	.00
Apparel and textile products	.00	.00	.00	.72	.88	1.54	.00	.00	.00
Apparel and accessories	.00	.00	.00	.41	.47	.82	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.30	.40	.72	.00	.00	.00
Paper and allied products	1.10	1.22	1.91	3.62	3.34	2.87	.25	.20	.00
Pulp,paper paperboard mills	.21	.23	.42	.60	.49	.39	.00	.00	.00
Paperboard containers,boxes	.08	.05	.00	1.40	1.16	.96	.25	.20	.00
Miscellaneous paper and pulp	.80	.93	1.48	1.60	1.68	1.52	.00	.00	.00
Printing and publishing	91.01	90.07	89.58	75.50	73.48	64.21	90.78	90.00	87.11
Newspaper publishing, printing	.76	.66	.34	30.99	31.00	29.47	65.38	65.75	67.00
Other printing,exc newspapers	90.25	89.41	89.23	44.50	42.47	34.74	25.40	24.25	20.11
Chemicals and allied products	.00	.00	.00	.74	.68	.66	.10	.05	.00
Industrial chemicals	.00	.00	.00	.10	.08	.05	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.07	.04	.00	.10	.05	.00
Synthetic fibers	.00	.00	.00	.03	.04	.15	.00	.00	.00
Drugs and medicines	.00	.00	.00	.19	.21	.15	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.09	.08	.05	.00	.00	.00
Paints and varnishes	.00	.00	.00	.10	.11	.19	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.06	.06	.06	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.07	.04	.00	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.06	.07	.06	.00	.00	.00
Petroleum refining	.00	.00	.00	.05	.05	.06	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.74	1.06	1.41	.00	.00	.00
Rubber	.00	.00	.00	.20	.20	.28	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.54	.85	1.12	.00	.00	.00
Leather products	.11	.11	.12	.07	.06	.08	.00	.00	.00
Leather tanning and finishing	.11	.11	.12	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.05	.05	.06	.00	.00	.00
All other leather	.00	.00	.00	.01	.01	.01	.00	.00	.00
Transportation, other public util	.03	.03	.00	.58	.70	1.19	.57	.60	.00
Transportation,total	.00	.00	.00	.12	.13	.13	.00	.00	.00
Railroads and railway express	.00	.00	.00	.04	.02	.00	.00	.00	.00
Water transportation	.00	.00	.00	.03	.03	.02	.00	.00	.00
Transportation services	.00	.00	.00	.04	.07	.11	.00	.00	.00
Communicatns,utils,sanitary serv	.03	.03	.00	.46	.57	1.05	.57	.60	.00
Communications	.03	.03	.00	.24	.36	.96	.18	.20	.00
Telephone(wire and radio)	.03	.03	.00	.13	.19	.57	.18	.20	.00
Telegraph,misc communicatn serv	.00	.00	.00	.05	.07	.13	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.05	.09	.26	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.22	.20	.08	.38	.40	.00
Electric light and power	.00	.00	.00	.08	.09	.04	.38	.40	.00
Electric-gas utilities	.00	.00	.00	.07	.05	.00	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.04	.04	.04	.00	.00	.00
Water supply	.00	.00	.00	.01	.01	.00	.00	.00	.00
Wholesale and retail trade	1.20	1.27	1.23	3.29	3.69	3.95	1.42	1.35	.00
Wholesale trade	.96	.91	.59	1.73	1.93	2.35	.78	.75	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookbinders			Compositors and typesetters			Electrtyprs and stereotypers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.22	.30	.41	.89	1.18	1.88	.10	.10	.00
Motor vehicles and equipment	.04	.04	.00	.05	.06	.06	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.10	.12	.18	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.06	.08	.21	.00	.00	.00
Food and related products	.00	.00	.00	.16	.20	.31	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.01	.02	.02	.00	.00	.00
Electrical goods	.03	.03	.00	.06	.06	.05	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.11	.13	.12	.10	.10	.00
Machinery equipment,supplies	.14	.23	.41	.31	.48	.90	.00	.00	.00
Miscellaneous wholesale trade	.74	.61	.17	.84	.75	.47	.68	.65	.00
Metals and minerals, other	.00	.00	.00	.02	.02	.00	.10	.05	.00
Petroleum products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Scrap and waste material	.00	.00	.00	.01	.01	.00	.11	.15	.00
Alcoholic beverages	.03	.03	.00	.00	.00	.00	.00	.00	.00
Paper and paper products	.19	.16	.11	.39	.32	.22	.00	.00	.00
Lumber,construction materials	.05	.05	.06	.04	.03	.00	.00	.00	.00
Other wholesale trade	.42	.34	.00	.34	.34	.24	.47	.45	.00
Retail trade	.23	.35	.63	1.56	1.75	1.60	.64	.60	.00
Building materials	.00	.00	.00	.05	.07	.12	.00	.00	.00
Lumber,building material	.00	.00	.00	.04	.06	.10	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.01	.01	.02	.00	.00	.00
General merchandise,total	.00	.00	.00	.68	.70	.57	.21	.10	.00
Department stores,mail order	.00	.00	.00	.54	.56	.36	.00	.00	.00
Limited price stores	.00	.00	.00	.03	.04	.08	.00	.00	.00
Direct selling	.00	.00	.00	.03	.03	.05	.21	.10	.00
Miscellaneous merchadise store	.00	.00	.00	.06	.06	.07	.00	.00	.00
Food and dairy stores	.03	.03	.00	.13	.11	.00	.10	.10	.00
Grocery stores	.03	.03	.00	.13	.11	.00	.10	.10	.00
Auto dealers,gas stations	.05	.04	.00	.01	.01	.01	.00	.00	.00
Motor vehicle dealers	.05	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.00	.01	.01	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.09	.14	.34	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.07	.10	.21	.00	.00	.00
Shoe stores	.00	.00	.00	.01	.03	.13	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.05	.06	.10	.00	.00	.00
Home furnishings	.00	.00	.00	.04	.05	.10	.00	.00	.00
Eating and drinking places	.04	.05	.00	.01	.02	.00	.00	.00	.00
Miscellaneous retail trade	.10	.23	.63	.51	.60	.44	.32	.40	.00
Drug stores	.00	.00	.00	.06	.08	.18	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.01	.01	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.01	.01	.00	.00	.00	.00
Retail florists	.00	.00	.00	.04	.05	.00	.00	.00	.00
Misc retail trade stores	.10	.23	.63	.36	.42	.25	.32	.40	.00
Finance,insurance and real estate	.61	.81	1.02	1.41	1.26	1.12	.18	.20	.00
Finance,total	.18	.24	.58	.64	.48	.17	.18	.20	.00
Banking	.12	.11	.00	.45	.28	.03	.18	.20	.00
Credit agencies	.05	.12	.58	.09	.09	.00	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.08	.09	.14	.00	.00	.00
Insurance	.43	.57	.44	.72	.72	.86	.00	.00	.00
Real estate	.00	.00	.00	.04	.05	.08	.00	.00	.00
Services, total	3.80	4.32	3.62	3.75	4.79	7.63	.72	.75	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Bookbinders			Compositors and typesetters			Electrtyprs and stereotypers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.05	.08	.09	.00	.00	.00
Hotels and motels	.00	.00	.00	.05	.07	.09	.00	.00	.00
Other personal services	.01	.01	.00	.06	.14	.15	.00	.00	.00
Misc personal services	.01	.01	.00	.06	.14	.15	.00	.00	.00
Miscellaneous business services	.62	.72	.32	.50	.53	.51	.18	.10	.00
Advertising	.12	.13	.12	.35	.37	.45	.10	.05	.00
Business management services	.00	.00	.00	.05	.06	.04	.00	.00	.00
Commercial research,development	.01	.01	.00	.02	.03	.00	.00	.00	.00
Computer programing	.00	.00	.00	.01	.01	.01	.00	.00	.00
Other business services	.48	.58	.20	.03	.02	.00	.08	.05	.00
Motion pictures and theaters	.01	.00	.00	.03	.03	.08	.00	.00	.00
Miscellaneous entertainment	.06	.20	.58	.04	.11	.20	.08	.15	.00
Other entertainment	.06	.20	.58	.04	.10	.20	.08	.15	.00
Medical and other health service	.05	.05	.00	.52	1.01	3.75	.05	.05	.00
Hospitals	.01	.00	.00	.43	.83	3.65	.00	.00	.00
Convalescent institutions	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other health services	.02	.02	.00	.08	.17	.10	.05	.05	.00
Legal services	.00	.00	.00	.01	.04	.12	.00	.00	.00
Educational services	2.68	2.93	2.55	1.64	1.80	1.54	.25	.25	.00
Elementary and secondary school	.30	.24	.00	.31	.27	.00	.15	.15	.00
Colleges and universities	1.88	2.14	2.22	1.22	1.41	1.48	.10	.10	.00
Libraries	.33	.37	.32	.01	.00	.00	.00	.00	.00
Other educational services	.15	.16	.00	.09	.10	.05	.00	.00	.00
Museums,art galleries,zoos	.02	.02	.02	.01	.01	.00	.00	.00	.00
Nonprofit organizations	.27	.27	.00	.55	.66	.93	.07	.10	.00
Religious organizations	.20	.20	.00	.26	.27	.10	.00	.00	.00
welfare services	.03	.04	.00	.09	.07	.04	.00	.00	.00
Residential welfare services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Nonprofit membership organiztas	.02	.02	.00	.19	.30	.77	.07	.10	.00
Other professional services	.04	.08	.13	.28	.35	.23	.07	.10	.00
Engineering and architectural	.00	.00	.00	.11	.17	.12	.00	.00	.00
Accounting and auditing	.04	.08	.13	.04	.05	.01	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.12	.12	.08	.07	.10	.00
Government,total	1.36	1.50	2.01	1.43	1.94	4.69	.00	.00	.00
Federal public administration	.91	.91	1.32	.86	1.07	3.02	.00	.00	.00
Federal pub adm,exc post office	.91	.91	1.32	.86	1.07	3.02	.00	.00	.00
State public administration	.00	.00	.00	.33	.55	1.28	.00	.00	.00
Local public administration	.45	.58	.69	.23	.31	.39	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engravers exc photo- engravers			Photoengrwr and lithogrphrs			Press,plate, printers, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.00	.00	.00	.00	.00	.00	.06	.10	.08
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.06	.10	.08
Construction	3.26	3.39	3.83	.06	.05	.00	.23	.24	.28
General building contractors	.43	.39	.00	.02	.01	.00	.02	.01	.00
General contractors,exc building	2.82	3.00	3.83	.04	.03	.00	.21	.22	.28
Manufacturing	71.84	66.32	63.28	95.04	94.87	94.30	89.04	86.87	84.76
Durable goods	43.51	40.05	37.58	5.94	4.55	1.50	5.31	5.18	5.18
Ordnance	.09	.04	.00	.16	.06	.00	.19	.08	.03
Lumber and wood products	.31	.24	.00	.07	.08	.16	.05	.06	.11
Logging	.04	.03	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.07	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.20	.16	.00	.07	.08	.16	.04	.05	.11
Furniture and fixtures	.19	.15	.00	.01	.01	.00	.06	.07	.14
Stone,clay,and glass products	1.23	.93	.63	.03	.02	.00	.15	.17	.25
Glass and glass products	.81	.51	.08	.01	.01	.00	.09	.11	.16
Cement,concrete,plaster	.24	.21	.17	.01	.00	.00	.03	.03	.04
Pottery and related products	.10	.12	.24	.00	.00	.00	.02	.02	.03
Miscellaneous nonmetallic,stone	.07	.08	.14	.00	.00	.00	.00	.00	.00
Primary metal industries	.26	.21	.13	.04	.03	.00	.27	.27	.36
Blast furnaces,steel works	.11	.06	.00	.00	.00	.00	.11	.11	.16
Other primary steel	.00	.00	.00	.00	.00	.00	.08	.09	.14
Primary aluminum	.14	.14	.13	.00	.00	.00	.03	.02	.00
Other primary nonferrous	.00	.00	.00	.04	.03	.00	.04	.04	.04
Fabricated metal products	11.28	10.30	7.59	3.02	2.27	.60	1.42	1.42	1.34
Cutlery and other hardware	.84	1.00	2.03	.04	.04	.04	.07	.09	.14
Fabricated structural metal	.07	.05	.00	.03	.02	.00	.10	.14	.28
Screw machine products	.09	.08	.09	.00	.00	.00	.02	.01	.00
Metal stamping	.61	.61	.61	.29	.25	.14	.29	.28	.26
Miscellaneous fabricated metal	9.65	8.54	4.86	2.65	1.94	.41	.92	.88	.64
Machinery except electrical	6.54	5.87	4.96	.81	.66	.15	.81	.82	.64
Engines and turbines	.00	.00	.00	.04	.03	.00	.04	.04	.04
Farm machinery and equipment	.00	.00	.00	.01	.01	.00	.02	.02	.00
Construction machines	.00	.00	.00	.02	.01	.00	.07	.09	.11
Metalworking machinery	2.28	2.04	1.46	.00	.00	.00	.09	.08	.05
Office and accounting machines	1.21	.91	1.01	.05	.02	.00	.05	.04	.03
Electronic computing equipment	.33	.32	.00	.09	.08	.00	.14	.14	.10
Other machinery,exc electrical	2.69	2.59	2.49	.57	.48	.15	.38	.38	.29
Electrical machinery	4.46	3.71	2.11	.74	.53	.00	.84	.73	.52
Household appliances	.19	.13	.00	.03	.02	.00	.05	.05	.05
Radio, tv communications equip	1.30	.84	.00	.22	.13	.00	.37	.27	.14
Other electrical machinery	2.96	2.73	2.11	.49	.37	.00	.40	.40	.32
Transportation equipment	1.78	1.63	2.00	.43	.30	.09	.74	.71	.76
Motor vehicles and equipment	.12	.10	.00	.02	.01	.00	.24	.29	.43
Aircraft and parts	1.31	1.20	1.77	.31	.22	.09	.36	.27	.15
Ship,boat building and repair	.25	.24	.23	.02	.00	.00	.08	.09	.15
Railroad equipment	.09	.08	.00	.05	.04	.00	.04	.04	.03
Cycles,misc transportation	.00	.00	.00	.01	.01	.00	.00	.00	.00
Professional,scientific instrs	3.84	3.65	3.42	.30	.30	.28	.31	.34	.37
Scientific instruments	2.70	2.39	1.67	.11	.08	.00	.14	.14	.09
Optical,health serv supplies	.57	.77	1.09	.00	.00	.00	.04	.05	.04
Photo equipment and supplies	.00	.00	.00	.19	.21	.28	.11	.14	.23
Watches and clock devices	.56	.49	.66	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	13.50	13.27	16.74	.27	.26	.21	.44	.47	.62
Nondurable goods	28.33	26.27	25.69	89.09	90.31	92.79	83.73	81.68	79.58

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engravers exc photo- engravers			Photoengrvr and lithogrphrs			Press,plate printers, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.07	.11	.27	.44	.45	.62
Meat	.00	.00	.00	.00	.00	.00	.02	.03	.06
Dairy	.00	.00	.00	.00	.00	.00	.05	.04	.02
Canning and preserving	.00	.00	.00	.07	.11	.27	.10	.11	.15
Grain mill	.00	.00	.00	.00	.00	.00	.09	.11	.16
Bakery	.00	.00	.00	.00	.00	.00	.01	.00	.00
Confectionery	.00	.00	.00	.00	.00	.00	.04	.04	.05
Beverages	.00	.00	.00	.00	.00	.00	.03	.04	.06
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.05	.06	.08
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.02	.02	.02
Textile mill products	2.20	1.69	1.85	.00	.00	.00	.36	.30	.31
Knitting mills	.00	.00	.00	.00	.00	.00	.06	.04	.01
Dyeing,finishing textiles	1.07	.63	.13	.00	.00	.00	.12	.13	.19
Floor coverings	.00	.00	.00	.00	.00	.00	.01	.01	.01
Yarn and fabric mills	1.08	.96	1.56	.00	.00	.00	.11	.07	.01
Miscellaneous textile mill	.05	.08	.16	.00	.00	.00	.05	.05	.07
Apparel and textile products	1.22	1.28	1.81	.00	.00	.00	.37	.46	.75
Apparel and accessories	.16	.11	.00	.00	.00	.00	.11	.12	.18
Miscellaneous fabricated textile	1.06	1.17	1.81	.00	.00	.00	.25	.33	.57
Paper and allied products	3.25	2.78	2.48	1.13	1.11	1.49	8.02	7.62	9.05
Pulp,paper paperboard mills	.79	.67	.87	.15	.15	.20	.81	.72	.76
Paperboard containers,boxes	.43	.34	.38	.62	.56	.74	4.84	4.45	5.72
Miscellaneous paper and pulp	2.02	1.76	1.23	.35	.40	.54	2.36	2.44	2.57
Printing and publishing	19.29	17.68	16.81	87.61	88.92	91.02	73.18	71.59	67.55
Newspaper publishing, printing	1.40	1.37	1.69	11.18	12.16	16.14	12.64	12.61	13.02
Other printing,exc newspapers	17.89	16.30	15.12	76.43	76.75	74.88	60.53	58.97	54.53
Chemicals and allied products	.13	.12	.19	.22	.11	.00	.60	.62	.85
Industrial chemicals	.00	.00	.00	.02	.01	.00	.10	.10	.13
Plastics and synthetics	.13	.12	.19	.00	.00	.00	.08	.06	.03
Synthetic fibers	.00	.00	.00	.00	.00	.00	.02	.03	.10
Drugs and medicines	.00	.00	.00	.00	.00	.00	.18	.22	.30
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.07	.06	.05
Paints and varnishes	.00	.00	.00	.01	.00	.00	.06	.08	.16
Miscellaneous chemicals	.00	.00	.00	.18	.09	.00	.06	.04	.04
Petroleum and coal products	.03	.02	.00	.05	.03	.00	.07	.07	.05
Petroleum refining	.03	.02	.00	.01	.00	.00	.07	.07	.05
Misc petroleum,coal products	.00	.00	.00	.03	.03	.00	.00	.00	.00
Rubber,miscellaneous plastics	2.17	2.69	2.55	.00	.00	.00	.55	.46	.27
Rubber	.30	.26	.23	.00	.00	.00	.14	.15	.25
Miscellaneous plastics	1.87	2.43	2.32	.00	.00	.00	.41	.31	.02
Leather products	.00	.00	.00	.00	.00	.00	.07	.06	.07
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.03	.03	.02
All other leather	.00	.00	.00	.00	.00	.00	.03	.03	.05
Transportation, other public util	.23	.21	.00	.18	.15	.00	.47	.56	.91
Transportation,total	.05	.04	.00	.00	.00	.00	.07	.07	.08
Railroads and railway express	.00	.00	.00	.00	.00	.00	.05	.05	.06
Trucking and warehousing	.05	.04	.00	.00	.00	.00	.00	.00	.00
Trucking services	.05	.04	.00	.00	.00	.00	.00	.00	.00
Transportation services	.00	.00	.00	.00	.00	.00	.01	.01	.01
Communicatns,utils,sanitary serv	.18	.16	.00	.18	.15	.00	.39	.48	.83
Communications	.09	.08	.00	.05	.03	.00	.23	.32	.71
Telephone(wire and radio)	.09	.08	.00	.05	.03	.00	.15	.21	.53
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.02	.03	.06
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.05	.06	.11
Utilities and sanitary services	.08	.07	.00	.12	.11	.00	.16	.15	.11
Electric light and power	.08	.07	.00	.06	.06	.00	.07	.07	.04
Electric-gas utilities	.00	.00	.00	.06	.04	.00	.03	.02	.00
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.05	.05	.06
Wholesale and retail trade	19.64	24.30	24.35	.73	.70	.35	2.50	2.79	3.27
Wholesale trade	5.31	4.99	4.45	.54	.48	.15	1.66	1.79	1.99

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engravers exc photo- engravers			Photoengrver and lithogrphrs			Press,plate printers, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.94	1.07	1.36	.30	.26	.00	.86	1.05	1.28
Motor vehicles and equipment	.10	.08	.00	.05	.04	.00	.05	.06	.06
Drugs,chemicals,allied product	.08	.07	.00	.00	.00	.00	.12	.14	.19
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.07	.08	.15
Food and related products	.17	.13	.00	.08	.06	.00	.12	.13	.14
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.01	.01	.00
Electrical gcods	.04	.04	.00	.03	.02	.00	.14	.14	.10
Hardware and plumbing	.13	.14	.19	.02	.01	.00	.11	.14	.15
Machinery equipment,supplies	.40	.58	1.17	.11	.10	.00	.21	.31	.46
Miscellaneous wholesale trade	4.36	3.92	3.09	.23	.21	.15	.79	.74	.70
Metals and minerals, other	.07	.05	.00	.02	.01	.00	.02	.01	.00
Petroleum products	.00	.00	.00	.00	.00	.00	.01	.01	.00
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.01	.01	.00
Paper and paper products	.14	.12	.10	.07	.05	.02	.42	.37	.38
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.05	.05	.07
Other wholesale trade	4.14	3.74	2.99	.14	.15	.12	.25	.27	.24
Retail trade	14.33	19.30	19.90	.18	.22	.20	.84	.99	1.28
Building materials	.00	.00	.00	.00	.00	.00	.03	.03	.00
Lumber,building material	.00	.00	.00	.00	.00	.00	.03	.03	.00
General merchandise,total	.83	.65	1.06	.00	.00	.00	.40	.48	.81
Department stores,mail order	.00	.00	.00	.00	.00	.00	.31	.41	.69
Limited price stores	.00	.00	.00	.00	.00	.00	.04	.04	.08
Direct selling	.00	.00	.00	.00	.00	.00	.02	.01	.00
Miscellaneous merchandise store	.83	.65	1.06	.00	.00	.00	.01	.01	.04
Food and dairy stores	.00	.00	.00	.01	.00	.00	.12	.14	.14
Grocery stores	.00	.00	.00	.01	.00	.00	.12	.14	.14
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.01	.00	.00
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.01	.00	.00
Apparel and accessory stores	.35	.65	1.99	.01	.00	.00	.03	.02	.01
Apparel,accessory,except shoes	.35	.65	1.99	.01	.00	.00	.02	.01	.00
Shoe stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Furniture and appliance stores	.08	.06	.00	.00	.00	.00	.02	.01	.00
Home furnishings	.08	.06	.00	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.01	.01	.00
Eating and drinking places	.11	.13	.00	.00	.00	.00	.02	.02	.00
Miscellaneous retail trade	12.94	17.80	16.85	.15	.21	.20	.19	.24	.30
Drug stores	.00	.00	.00	.00	.00	.00	.03	.04	.08
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.01	.01	.00
Jewelry stores	8.30	11.67	8.01	.00	.00	.00	.00	.00	.01
Retail florists	.25	.24	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	4.38	5.88	8.84	.15	.21	.20	.14	.19	.20
Finance,insurance and real estate	.00	.00	.00	.28	.33	.51	1.26	1.28	1.37
Finance,total	.00	.00	.00	.02	.02	.00	.50	.51	.46
Banking	.00	.00	.00	.02	.02	.00	.34	.33	.28
Credit agencies	.00	.00	.00	.00	.00	.00	.09	.10	.07
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.06	.07	.10
Insurance	.00	.00	.00	.25	.30	.51	.70	.67	.74
Real estate	.00	.00	.00	.00	.00	.00	.05	.09	.17
Services, total	2.43	3.38	4.91	2.23	2.86	2.19	4.11	5.47	6.81

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Engravers exc photo- engravers			Photoengrvr and lithogrphrs			Press,plate printers, apprentices		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.03	.05	.12
Hotels and motels	.00	.00	.00	.00	.00	.00	.03	.05	.12
Other personal services	.00	.00	.00	.24	.43	.19	.06	.15	.20
Misc personal services	.00	.00	.00	.24	.43	.19	.06	.15	.20
Miscellaneous business services	1.08	1.35	1.91	1.15	1.27	.40	1.17	1.64	1.67
Advertising	.26	.19	.08	.14	.11	.04	.18	.19	.19
Business management services	.00	.00	.00	.00	.00	.00	.08	.11	.15
Commercial research,development	.12	.13	.00	.06	.06	.03	.06	.07	.07
Computer programing	.00	.00	.00	.00	.00	.00	.05	.07	.08
Other business services	.70	1.03	1.83	.94	1.10	.32	.77	1.17	1.16
Motion pictures and theaters	.00	.00	.00	.07	.03	.00	.03	.03	.08
Miscellaneous entertainment	.16	.57	2.53	.00	.00	.00	.03	.10	.19
Other entertainment	.16	.57	2.53	.00	.00	.00	.03	.10	.19
Medical and other health service	.28	.35	.00	.03	.05	.00	.38	.68	2.08
Hospitals	.17	.17	.00	.01	.00	.00	.32	.56	1.91
Convalescent institutions	.07	.07	.00	.00	.00	.00	.00	.01	.00
Other health services	.04	.10	.00	.01	.04	.00	.04	.10	.16
Legal services	.00	.00	.00	.00	.00	.00	.03	.03	.00
Educational services	.21	.17	.00	.46	.70	1.26	1.41	1.58	1.31
Elementary and secondary school	.01	.00	.00	.06	.04	.00	.31	.37	.19
Colleges and universities	.20	.17	.00	.36	.55	.98	.97	1.03	.87
Libraries	.00	.00	.00	.00	.00	.00	.03	.04	.09
Other educational services	.00	.00	.00	.04	.10	.28	.09	.12	.15
Museums,art galleries,zoos	.05	.06	.06	.02	.03	.01	.00	.00	.00
Nonprofit organizations	.17	.16	.00	.11	.09	.00	.56	.68	.82
Religious organizations	.00	.00	.00	.05	.04	.00	.20	.22	.12
Welfare services	.07	.06	.00	.02	.01	.00	.10	.12	.19
Nonprofit membership organiztns	.10	.09	.00	.04	.03	.00	.25	.33	.50
Other professional services	.45	.68	.41	.12	.22	.32	.38	.49	.31
Engineering and architectural	.12	.11	.00	.06	.11	.20	.17	.23	.11
Accounting and auditing	.00	.00	.00	.00	.00	.00	.09	.13	.10
Miscellaneous professional serv	.33	.56	.41	.06	.10	.11	.10	.12	.09
Government, total	2.57	2.38	3.62	1.45	1.01	2.63	2.30	2.67	2.48
Federal public administration	2.57	2.38	3.62	1.43	1.00	2.63	1.60	1.59	.40
Postal services	.00	.00	.00	.00	.00	.00	.04	.06	.06
Federal pub adm,exc post office	2.57	2.38	3.62	1.43	1.00	2.63	1.55	1.53	.34
State public administration	.00	.00	.00	.02	.01	.00	.37	.58	1.08
Local public administration	.00	.00	.00	.00	.00	.00	.32	.49	.99

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Transport public util craft wkrs			Elec pwr installers repairers			Locomotive engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.03	.03	.01	.06	.06	.05	.00	.00	.00
Agriculture	.01	.01	.01	.06	.06	.05	.00	.00	.00
Agricultural production	.00	.00	.00	.01	.01	.00	.00	.00	.00
Horticultural services	.01	.01	.01	.04	.05	.05	.00	.00	.00
Forestry	.01	.01	.00	.00	.00	.00	.00	.00	.00
Mining	.19	.26	.27	.16	.14	.01	1.60	1.85	1.69
Metal	.08	.08	.07	.00	.00	.00	.78	.74	.43
Coal	.01	.02	.03	.00	.00	.00	.17	.24	.24
Crude petroleum and natural gas	.05	.07	.06	.16	.14	.01	.03	.03	.00
Nonmetallic mining and quarrying	.04	.07	.10	.00	.00	.00	.61	.82	1.02
Construction	4.04	4.64	4.45	14.92	15.43	15.01	.10	.09	.00
General building contractors	.10	.12	.19	.36	.41	.66	.02	.02	.00
General contractors, exc building	1.87	2.01	1.60	7.94	7.58	5.85	.08	.07	.00
Special trade contractors	2.06	2.50	2.65	6.62	7.44	8.49	.00	.00	.00
Manufacturing	7.15	5.98	5.42	1.13	.91	.92	6.38	6.66	7.80
Durable goods	6.49	5.42	4.92	.83	.67	.72	5.74	6.03	7.13
Ordnance	.06	.03	.01	.03	.01	.00	.14	.06	.03
Lumber and wood products	.05	.06	.06	.00	.00	.00	.18	.32	.45
Logging	.00	.00	.00	.00	.00	.00	.02	.03	.02
Sawmill, planing and mill work	.03	.04	.03	.00	.00	.00	.08	.15	.22
Miscellaneous wood products	.00	.01	.02	.00	.00	.00	.08	.14	.20
Furniture and fixtures	.01	.01	.02	.02	.03	.05	.01	.00	.00
Stone, clay, and glass products	.06	.06	.04	.00	.00	.00	.26	.33	.38
Glass and glass products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Cement, concrete, plaster	.03	.03	.02	.00	.00	.00	.19	.22	.20
Structural clay products	.00	.00	.00	.00	.00	.00	.01	.01	.00
Miscellaneous nonmetallic, stone	.00	.01	.01	.00	.00	.00	.06	.09	.16
Primary metal industries	.63	.65	.74	.23	.14	.06	4.53	4.67	5.48
Blast furnaces, steel works	.46	.48	.60	.15	.08	.02	3.84	3.91	4.91
Other primary steel	.07	.08	.08	.02	.02	.03	.49	.60	.52
Primary aluminum	.01	.01	.00	.00	.00	.00	.01	.01	.00
Other primary nonferrous	.07	.06	.05	.05	.03	.01	.17	.13	.04
Fabricated metal products	.08	.10	.16	.04	.05	.08	.22	.33	.69
Cutlery and other hardware	.00	.00	.00	.01	.01	.01	.00	.00	.00
Fabricated structural metal	.04	.06	.11	.00	.00	.00	.16	.29	.69
Metal stamping	.01	.00	.00	.00	.00	.00	.02	.01	.00
Miscellaneous fabricated metal	.02	.03	.03	.02	.03	.06	.03	.02	.00
Machinery except electrical	.06	.07	.09	.00	.00	.00	.04	.03	.00
Engines and turbines	.00	.00	.00	.00	.00	.00	.01	.01	.00
Electronic computing equipment	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other machinery, exc electrical	.03	.04	.06	.00	.00	.00	.02	.02	.00
Electrical machinery	5.24	4.16	3.53	.37	.35	.48	.00	.00	.00
Household appliances	.00	.00	.00	.01	.01	.01	.00	.00	.00
Radio, tv communications equip	5.18	4.09	3.41	.16	.13	.14	.00	.00	.00
Other electrical machinery	.05	.06	.10	.19	.20	.32	.00	.00	.00
Transportation equipment	.22	.19	.18	.09	.06	.03	.33	.26	.08
Motor vehicles and equipment	.06	.06	.04	.01	.01	.00	.10	.08	.00
Aircraft and parts	.04	.03	.04	.02	.01	.00	.00	.00	.00
Ship, boat building and repair	.08	.06	.06	.04	.02	.02	.06	.06	.08
Railroad equipment	.02	.02	.03	.00	.00	.00	.16	.10	.00
Mobile dwellings	.00	.00	.00	.01	.01	.01	.00	.00	.00
Professional, scientific instrs	.02	.02	.03	.01	.01	.00	.00	.00	.00
Scientific instruments	.00	.00	.00	.01	.01	.00	.00	.00	.00
Photo equipment and supplies	.01	.02	.03	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.02	.02	.02	.00	.00	.00	.00	.00	.00
Nondurable goods	.66	.56	.50	.30	.24	.19	.64	.62	.67

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Transport public util craft wkrs			Elec pwr installers repairers			Locomotive engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.04	.04	.06	.02	.02	.03	.10	.13	.22
Meat	.01	.01	.01	.01	.01	.03	.00	.00	.00
Beverages	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.01	.02	.03	.00	.00	.00	.10	.13	.22
Textile mill products	.03	.02	.03	.00	.00	.00	.01	.01	.00
Yarn and fabric mills	.02	.02	.03	.00	.00	.00	.01	.01	.00
Apparel and textile products	.04	.02	.01	.01	.00	.00	.00	.00	.00
Apparel and accessories	.03	.02	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.14	.13	.14	.01	.01	.02	.18	.19	.26
Pulp,paper paperboard mills	.12	.11	.12	.01	.01	.02	.16	.17	.26
Miscellaneous paper and pulp	.02	.01	.01	.00	.00	.00	.01	.02	.00
Printing and publishing	.10	.10	.09	.13	.11	.08	.00	.00	.00
Newspaper publishing, printing	.07	.07	.06	.04	.04	.03	.00	.00	.00
Other printing,exc newspapers	.02	.02	.02	.09	.07	.05	.00	.00	.00
Chemicals and allied products	.22	.17	.11	.09	.06	.05	.28	.22	.16
Industrial chemicals	.09	.07	.03	.02	.02	.03	.14	.12	.07
Plastics and synthetics	.02	.01	.01	.00	.00	.00	.00	.00	.00
Synthetic filters	.04	.03	.01	.01	.01	.01	.00	.00	.00
Drugs and medicines	.01	.01	.03	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.00	.00	.01	.00	.00	.00	.03	.03	.03
Agricultural chemicals	.01	.01	.00	.03	.01	.00	.00	.00	.00
Miscellaneous chemicals	.03	.01	.00	.01	.01	.00	.10	.06	.04
Petroleum and coal products	.04	.03	.01	.00	.01	.01	.05	.05	.02
Petroleum refining	.04	.03	.01	.00	.01	.01	.05	.05	.02
Rubber,miscellaneous plastics	.02	.01	.01	.00	.00	.00	.00	.00	.00
Rubber	.02	.01	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	84.91	84.66	85.79	81.86	81.72	81.93	90.84	90.41	89.99
Transportation,total	10.75	10.01	9.43	1.41	.66	.36	90.84	90.41	89.99
Railroads and railway express	10.62	9.90	9.26	1.22	.55	.24	90.61	90.20	89.73
Local and interurban transit	.10	.07	.14	.14	.06	.10	.19	.14	.20
Street railways and bus lines	.10	.07	.14	.14	.06	.10	.19	.14	.20
Air transportation	.00	.00	.00	.01	.01	.00	.00	.00	.00
Pipelines	.01	.01	.00	.01	.00	.00	.00	.00	.00
Transportation services	.01	.01	.02	.01	.01	.01	.04	.06	.05
Communicatns,utils,sanitary serv	74.15	74.64	76.35	80.45	81.05	81.56	.00	.00	.00
Communications	55.84	53.89	56.12	1.70	.97	.14	.00	.00	.00
Telephone(wire and radio)	54.19	51.98	54.69	1.43	.77	.08	.00	.00	.00
Telegraph,misc communicatn serv	1.54	1.79	1.31	.19	.15	.02	.00	.00	.00
Radio and tv broadcasting	.11	.12	.11	.07	.04	.02	.00	.00	.00
Utilities and sanitary services	18.30	20.75	20.22	78.75	80.07	81.42	.00	.00	.00
Electric light and power	13.63	16.37	15.69	58.26	62.83	63.40	.00	.00	.00
Electric-gas utilities	3.87	3.79	4.31	17.18	15.20	17.52	.00	.00	.00
Gas steam supply systems	.64	.44	.12	2.90	1.76	.42	.00	.00	.00
Water supply	.09	.07	.03	.28	.18	.03	.00	.00	.00
Sanitary services	.04	.04	.05	.05	.04	.02	.00	.00	.00
Other utilities	.01	.01	.00	.05	.03	.01	.00	.00	.00
Wholesale and retail trade	1.62	1.64	1.61	.37	.38	.40	.17	.15	.08
Wholesale trade	1.51	1.52	1.50	.16	.14	.09	.17	.15	.08
Wholesale,exc misc whlsle trade	1.42	1.42	1.37	.07	.06	.02	.00	.00	.00
Electrical goods	1.33	1.31	1.27	.03	.03	.02	.00	.00	.00
Machinery equipment,supplies	.07	.09	.08	.03	.03	.00	.00	.00	.00
Miscellaneous wholesale trade	.08	.10	.13	.08	.07	.06	.17	.15	.08
Metals and minerals, other	.02	.02	.06	.00	.00	.01	.10	.08	.02
Petroleum products	.02	.03	.04	.01	.01	.02	.00	.00	.00
Scrap and waste material	.00	.00	.00	.00	.00	.01	.01	.01	.00
Alcoholic beverages	.00	.00	.00	.02	.02	.00	.00	.00	.00
Paper and paper products	.00	.00	.00	.02	.01	.01	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.04	.04	.05
Other wholesale trade	.01	.01	.01	.00	.00	.00	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Transport public util craft wkrs			Elec pwr installers repairers			Locomotive engineers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.11	.12	.11	.21	.24	.31	.00	.00	.00
Building materials	.01	.01	.00	.00	.00	.00	.00	.00	.00
Lumber,building material	.01	.01	.00	.00	.00	.00	.00	.00	.00
General merchandise,total	.00	.00	.01	.02	.02	.07	.00	.00	.00
Direct selling	.00	.00	.01	.02	.02	.07	.00	.00	.00
Apparel and accessory stores	.02	.02	.01	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.01	.01	.01	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.05	.05	.02	.16	.15	.07	.00	.00	.00
Household appliances,tv,radio	.04	.05	.02	.15	.15	.07	.00	.00	.00
Miscellaneous retail trade	.01	.02	.04	.02	.05	.16	.00	.00	.00
Misc retail trade stores	.01	.02	.04	.02	.05	.16	.00	.00	.00
Finance,insurance and real estate	.02	.02	.01	.02	.02	.00	.00	.00	.00
Finance,total	.02	.02	.01	.02	.02	.00	.00	.00	.00
Credit agencies	.00	.00	.00	.01	.01	.00	.00	.00	.00
Stock brokers,investment cos	.01	.01	.01	.00	.00	.00	.00	.00	.00
Services, total	1.28	2.03	1.33	.46	.54	.51	.06	.08	.00
Other personal services	.00	.01	.01	.00	.01	.03	.00	.00	.00
Misc personal services	.00	.01	.01	.00	.01	.03	.00	.00	.00
Miscellaneous business services	.90	1.56	.98	.08	.12	.18	.01	.02	.00
Business management services	.00	.01	.01	.00	.00	.00	.00	.00	.00
Detective and protective serv	.70	1.24	.56	.00	.00	.00	.00	.00	.00
Other business services	.18	.29	.39	.08	.12	.18	.01	.01	.00
Other repair services	.08	.09	.11	.09	.09	.12	.00	.00	.00
Electrical repair	.06	.06	.09	.07	.06	.09	.00	.00	.00
Other repair,exc electrical	.02	.03	.02	.01	.02	.02	.00	.00	.00
Miscellaneous entertainment	.00	.01	.00	.00	.00	.00	.04	.06	.00
Other entertainment	.00	.01	.00	.00	.00	.00	.04	.06	.00
Medical and other health service	.04	.03	.00	.01	.01	.00	.00	.00	.00
Hospitals	.04	.03	.00	.01	.01	.00	.00	.00	.00
Educational services	.06	.07	.05	.04	.03	.00	.00	.00	.00
Elementary and secondary school	.01	.01	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.03	.04	.05	.02	.01	.00	.00	.00	.00
Other educational services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.02	.02	.01	.05	.05	.04	.00	.00	.00
Nonprofit membership organiztns	.02	.02	.01	.04	.04	.04	.00	.00	.00
Other professional services	.13	.21	.15	.16	.20	.14	.00	.00	.00
Engineering and architectural	.13	.20	.14	.13	.17	.10	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.02	.03	.03	.00	.00	.00
Government,total	.72	.70	1.07	.99	.76	1.13	.82	.72	.42
Federal public administration	.56	.51	.89	.60	.42	1.02	.82	.72	.42
Federal pub adm,exc post office	.56	.51	.89	.60	.42	1.02	.82	.72	.42
State public administration	.03	.04	.07	.03	.02	.00	.00	.00	.00
Local public administration	.13	.14	.10	.36	.31	.11	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Locomotive engineers' helpers			Power station operators			Telephone installers, repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.00	.00	.00	.03	.02	.00
Forestry	.00	.00	.00	.00	.00	.00	.03	.02	.00
Mining	.19	.39	1.91	.86	1.13	2.27	.01	.02	.04
Metal	.05	.08	.27	.57	.59	1.10	.00	.00	.00
Coal	.05	.15	1.00	.04	.03	.00	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.24	.50	1.17	.01	.02	.04
Nonmetallic mining and quarrying	.08	.16	.63	.00	.00	.00	.00	.00	.00
Construction	.08	.08	.00	.99	.80	.62	1.52	1.80	1.67
General building contractors	.03	.03	.00	.00	.00	.00	.04	.05	.08
General contractors, exc building	.05	.05	.00	.99	.80	.62	.22	.27	.31
Special trade contractors	.00	.00	.00	.00	.00	.00	1.25	1.47	1.28
Manufacturing	1.40	2.22	9.12	21.86	17.59	20.64	9.93	8.21	6.81
Durable goods	1.35	2.12	8.63	11.29	9.69	12.14	9.61	7.93	6.57
Ordnance	.00	.00	.00	.37	.14	.06	.06	.03	.02
Lumber and wood products	.00	.00	.00	.90	.70	.41	.01	.01	.00
Sawmill, planing and mill work	.00	.00	.00	.90	.70	.41	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.13	.16	.36	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	.71	.51	.28	.01	.01	.00
Glass and glass products	.00	.00	.00	.36	.24	.06	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.19	.14	.10	.01	.00	.00
Structural clay products	.00	.00	.00	.02	.01	.02	.00	.00	.00
Pottery and related products	.00	.00	.00	.02	.01	.02	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.10	.08	.07	.00	.00	.00
Primary metal industries	1.13	1.59	4.70	4.18	3.23	3.55	.09	.09	.10
Blast furnaces, steel works	.82	1.06	2.63	2.78	2.22	2.98	.04	.03	.04
Other primary steel	.11	.23	1.31	.69	.53	.43	.01	.01	.00
Primary aluminum	.03	.05	.00	.30	.21	.05	.00	.00	.00
Other primary nonferrous	.16	.25	.74	.40	.26	.08	.03	.03	.04
Fabricated metal products	.00	.00	.00	.76	.80	1.55	.06	.06	.05
Cutlery and other hardware	.00	.00	.00	.04	.05	.13	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.45	.53	1.30	.03	.02	.02
Metal stamping	.00	.00	.00	.23	.18	.11	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.03	.02	.00	.03	.03	.03
Machinery except electrical	.03	.05	.00	.83	.84	1.02	.05	.07	.11
Engines and turbines	.00	.00	.00	.04	.05	.07	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.12	.12	.17	.00	.00	.00
Construction machines	.00	.00	.00	.24	.24	.17	.00	.00	.00
Office and accounting machines	.00	.00	.00	.01	.01	.00	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.01	.01	.02
Other machinery, exc electrical	.03	.05	.00	.41	.41	.60	.03	.04	.08
Electrical machinery	.00	.00	.00	.72	.82	1.98	9.06	7.43	6.05
Household appliances	.00	.00	.00	.07	.06	.11	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.26	.27	.59	9.06	7.43	6.05
Other electrical machinery	.00	.00	.00	.38	.48	1.27	.00	.00	.00
Transportation equipment	.17	.48	3.93	2.39	2.17	2.24	.15	.12	.12
Motor vehicles and equipment	.00	.00	.00	1.34	1.21	.89	.02	.02	.02
Aircraft and parts	.00	.00	.00	.63	.63	1.15	.02	.02	.01
Ship, boat building and repair	.05	.03	.00	.17	.16	.14	.10	.07	.08
Railroad equipment	.11	.45	3.93	.19	.13	.01	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.04	.04	.03	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	.18	.23	.65	.03	.03	.03
Photo equipment and supplies	.00	.00	.00	.18	.23	.65	.02	.02	.02
Miscellaneous manufacturing	.00	.00	.00	.06	.04	.00	.04	.04	.04
Nondurable goods	.05	.10	.48	10.57	7.89	8.50	.32	.28	.23

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Locomotive engineers' helpers			Power station operators			Telephone installers, repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.72	.69	1.22	.00	.00	.00
Meat	.00	.00	.00	.19	.15	.17	.00	.00	.00
Canning and preserving	.00	.00	.00	.04	.02	.00	.00	.00	.00
Bakery	.00	.00	.00	.06	.03	.00	.00	.00	.00
Beverages	.00	.00	.00	.22	.25	.58	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.19	.21	.47	.00	.00	.00
Textile mill products	.00	.00	.00	.57	.52	1.00	.02	.01	.00
Yarn and fabric mills	.00	.00	.00	.57	.52	1.00	.00	.00	.00
Apparel and textile products	.00	.00	.00	.00	.00	.00	.07	.05	.01
Apparel and accessories	.00	.00	.00	.00	.00	.00	.06	.04	.01
Paper and allied products	.00	.00	.00	3.13	2.56	3.47	.04	.03	.02
Pulp, paper, paperboard mills	.00	.00	.00	2.77	2.29	3.22	.02	.01	.00
Paperboard containers, boxes	.00	.00	.00	.09	.07	.15	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.26	.19	.09	.01	.01	.01
Printing and publishing	.00	.00	.00	.00	.00	.00	.12	.12	.12
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.11	.10	.10
Other printing, exc newspapers	.00	.00	.00	.00	.00	.00	.01	.01	.02
Chemicals and allied products	.05	.10	.48	4.75	3.01	2.01	.03	.03	.05
Industrial chemicals	.00	.00	.00	2.08	1.20	.30	.01	.01	.02
Plastics and synthetics	.00	.00	.00	.38	.21	.07	.01	.01	.01
Synthetic fibers	.00	.00	.00	1.09	.76	.47	.00	.00	.00
Drugs and medicines	.00	.00	.00	.34	.44	1.05	.00	.00	.00
Soaps and cosmetics	.05	.10	.48	.08	.07	.07	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.26	.13	.01	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.49	.18	.02	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.82	.67	.41	.01	.00	.00
Petroleum refining	.00	.00	.00	.82	.67	.41	.01	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.56	.42	.36	.00	.00	.00
Rubber	.00	.00	.00	.56	.42	.36	.00	.00	.00
Transportation, other public util	98.21	96.89	84.80	71.95	76.32	65.07	83.29	83.23	85.90
Transportation, total	98.21	96.89	84.80	1.80	1.44	2.53	.25	.16	.16
Railroads and railway express	98.17	96.77	84.06	.35	.25	.17	.22	.14	.08
Local and interurban transit	.00	.00	.00	1.19	.94	2.04	.02	.02	.07
Street railways and bus lines	.00	.00	.00	1.19	.94	2.04	.02	.02	.07
Pipelines	.00	.00	.00	.20	.18	.15	.00	.00	.00
Transportation services	.03	.12	.74	.04	.06	.15	.00	.00	.00
Communicatns, utils, sanitary serv	.00	.00	.00	70.14	74.88	62.53	83.03	83.06	85.73
Communications	.00	.00	.00	.65	.78	2.10	82.69	82.69	85.39
Telephone(wire and radio)	.00	.00	.00	.58	.67	1.80	80.81	80.44	83.44
Telegraph, misc communicatn serv	.00	.00	.00	.07	.11	.29	1.77	2.12	1.80
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.10	.12	.14
Utilities and sanitary services	.00	.00	.00	69.48	74.09	60.43	.34	.36	.33
Electric light and power	.00	.00	.00	57.22	63.58	48.10	.13	.16	.15
Electric-gas utilities	.00	.00	.00	9.82	8.70	11.02	.14	.12	.09
Gas steam supply systems	.00	.00	.00	1.34	.89	.34	.02	.02	.02
Water supply	.00	.00	.00	.72	.58	.38	.01	.02	.02
Sanitary services	.00	.00	.00	.26	.29	.57	.02	.03	.04
Other utilities	.00	.00	.00	.10	.03	.00	.00	.00	.00
Wholesale and retail trade	.05	.32	4.14	.77	.83	1.19	2.67	2.79	2.64
Wholesale trade	.05	.32	4.14	.51	.57	1.02	2.57	2.69	2.58
Wholesale, exc misc whsle trade	.00	.00	.00	.17	.13	.00	2.51	2.61	2.49
Motor vehicles and equipment	.00	.00	.00	.05	.04	.00	.00	.00	.01
Electrical goods	.00	.00	.00	.08	.06	.00	2.37	2.44	2.31
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.01	.01	.01
Machinery equipment, supplies	.00	.00	.00	.04	.03	.00	.12	.15	.14
Miscellaneous wholesale trade	.05	.32	4.14	.34	.43	1.02	.06	.08	.08
Metals and minerals, other	.05	.32	4.14	.04	.04	.11	.01	.01	.02
Petroleum products	.00	.00	.00	.11	.21	.72	.02	.02	.02
Alcoholic beverages	.00	.00	.00	.04	.05	.06	.00	.00	.00
Lumber, construction materials	.00	.00	.00	.07	.07	.11	.00	.00	.00
Other wholesale trade	.00	.00	.00	.07	.05	.00	.01	.02	.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Locomotive engineers' helpers			Power station operators			Telephone installers, repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.26	.25	.17	.09	.09	.06
Building materials	.00	.00	.00	.00	.00	.00	.01	.01	.01
Lumber,building material	.00	.00	.00	.00	.00	.00	.01	.01	.01
General merchandise,total	.00	.00	.00	.04	.02	.00	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.04	.02	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.02	.01	.00	.03	.03	.02
Apparel,accessory,except shoes	.00	.00	.00	.02	.01	.00	.03	.03	.01
Furniture and appliance stores	.00	.00	.00	.11	.13	.17	.00	.01	.00
Household appliances,tv,radio	.00	.00	.00	.11	.13	.17	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.07	.06	.00	.02	.02	.01
Misc retail trade stores	.00	.00	.00	.07	.06	.00	.02	.02	.01
Finance,insurance and real estate	.00	.00	.00	.11	.08	.00	.02	.02	.02
Finance,total	.00	.00	.00	.00	.00	.00	.02	.02	.02
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.01	.02	.02
Insurance	.00	.00	.00	.08	.05	.00	.00	.00	.00
Real estate	.00	.00	.00	.03	.02	.00	.00	.00	.00
Services, total	.05	.10	.00	1.94	1.59	.00	1.81	3.16	2.02
Hotels and lodging place	.00	.00	.00	.11	.09	.00	.00	.00	.00
Hotels and motels	.00	.00	.00	.11	.09	.00	.00	.00	.00
Other personal services	.00	.00	.00	.00	.00	.00	.00	.01	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.00	.01	.00
Miscellaneous business services	.05	.10	.00	.12	.12	.00	1.58	2.87	1.74
Business management services	.05	.10	.00	.00	.00	.00	.01	.01	.03
Commercial research,development	.00	.00	.00	.02	.01	.00	.00	.00	.00
Detective and protective serv	.00	.00	.00	.00	.00	.00	1.26	2.34	1.04
Services to buildings	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other business services	.00	.00	.00	.10	.10	.00	.29	.49	.66
Other repair services	.00	.00	.00	.01	.01	.00	.10	.12	.13
Electrical repair	.00	.00	.00	.00	.00	.00	.07	.07	.09
Other repair,exc electrical	.00	.00	.00	.01	.01	.00	.03	.05	.04
Motion pictures and theaters	.00	.00	.00	.02	.01	.00	.00	.00	.00
Medical and other health service	.00	.00	.00	.87	.74	.00	.01	.01	.00
Hospitals	.00	.00	.00	.85	.70	.00	.01	.01	.00
Convalescent institutions	.00	.00	.00	.02	.03	.00	.00	.00	.00
Educational services	.00	.00	.00	.69	.53	.00	.06	.08	.10
Elementary and secondary school	.00	.00	.00	.23	.18	.00	.01	.01	.00
Colleges and universities	.00	.00	.00	.41	.31	.00	.03	.05	.09
Other educaticnal services	.00	.00	.00	.04	.03	.00	.01	.01	.01
Nonprofit organizations	.00	.00	.00	.03	.02	.00	.01	.01	.01
Religious organizations	.00	.00	.00	.03	.02	.00	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.01	.01	.01
Other professional services	.00	.00	.00	.04	.03	.00	.02	.02	.01
Engineering and architectural	.00	.00	.00	.00	.00	.00	.01	.02	.01
Miscellaneous professional serv	.00	.00	.00	.04	.03	.00	.00	.00	.00
Government,total	.00	.00	.00	1.48	1.62	10.18	.68	.71	.85
Federal public administration	.00	.00	.00	.86	.76	8.12	.58	.57	.68
Federal pub adm,exc post office	.00	.00	.00	.86	.76	8.12	.58	.57	.68
State public administration	.00	.00	.00	.42	.69	2.05	.01	.02	.02
Local public administration	.00	.00	.00	.19	.16	.00	.09	.11	.14

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telephone ln instrs, splicers			Other craft and kindred workers			Bakers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.01	.00	.00	.19	.52	.33	.00	.00	.00
Agriculture	.01	.00	.00	.13	.44	.27	.00	.00	.00
Agricultural production	.00	.00	.00	.10	.41	.24	.00	.00	.00
Services,except horticulture	.00	.00	.00	.01	.01	.01	.00	.00	.00
Horticultural services	.01	.00	.00	.01	.01	.01	.00	.00	.00
Forestry	.00	.00	.00	.04	.06	.05	.00	.00	.00
Fisheries	.00	.00	.00	.01	.01	.01	.00	.00	.00
Mining	.01	.01	.00	2.23	2.44	1.71	.01	.01	.00
Metal	.00	.00	.00	.20	.16	.15	.00	.00	.00
Coal	.00	.00	.00	.27	.36	.47	.00	.00	.00
Crude petroleum and natural gas	.01	.01	.00	1.39	1.61	.83	.01	.01	.00
Nonmetallic mining and quarrying	.00	.00	.00	.35	.30	.24	.00	.00	.00
Construction	1.94	2.33	1.70	8.04	8.87	10.31	.00	.00	.00
General building contractors	.05	.04	.00	.93	.94	1.22	.00	.00	.00
General contractors,exc building	1.33	1.54	1.06	3.57	3.41	3.47	.00	.00	.00
Special trade contractors	.55	.74	.63	3.53	4.50	5.60	.00	.00	.00
Manufacturing	1.41	1.35	1.10	39.28	32.27	30.74	42.19	32.81	28.62
Durable goods	1.31	1.25	1.04	25.01	21.66	22.50	.31	.35	.58
Ordnance	.01	.00	.00	.19	.08	.06	.00	.00	.00
Lumber and wood products	.00	.00	.00	2.07	2.03	2.26	.00	.00	.00
Logging	.00	.00	.00	.20	.21	.21	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	1.55	1.55	1.70	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.31	.26	.33	.00	.00	.00
Furniture and fixtures	.00	.00	.00	5.61	4.96	4.76	.00	.00	.00
Stone,clay,and glass products	.03	.02	.00	1.38	1.25	1.19	.01	.01	.01
Glass and glass products	.01	.00	.00	.37	.33	.25	.01	.01	.01
Cement,concrete,plaster	.02	.01	.00	.41	.34	.35	.00	.00	.00
Structural clay products	.00	.00	.00	.03	.02	.02	.00	.00	.00
Pottery and related products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.54	.53	.54	.00	.00	.00
Primary metal industries	.08	.10	.10	5.82	4.31	4.69	.03	.03	.03
Blast furnaces,steel works	.01	.00	.00	3.86	2.73	2.87	.02	.01	.00
Other primary steel	.00	.00	.00	1.19	1.00	1.31	.01	.01	.03
Primary aluminum	.00	.00	.00	.37	.30	.25	.00	.00	.00
Other primary nonferrous	.07	.09	.10	.39	.28	.24	.00	.00	.00
Fabricated metal products	.01	.01	.00	1.52	1.32	1.61	.06	.08	.18
Cutlery and other hardware	.00	.00	.00	.07	.08	.10	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.87	.82	1.22	.03	.05	.09
Screw machine products	.00	.00	.00	.03	.02	.01	.00	.00	.01
Metal stamping	.00	.00	.00	.18	.13	.09	.00	.00	.00
Miscellaneous fabricated metal	.01	.01	.00	.35	.26	.17	.01	.03	.07
Machinery except electrical	.00	.00	.00	1.41	1.21	1.07	.01	.00	.00
Engines and turbines	.00	.00	.00	.15	.13	.11	.01	.00	.00
Farm machinery and equipment	.00	.00	.00	.09	.08	.09	.00	.00	.00
Construction machines	.00	.00	.00	.38	.33	.25	.00	.00	.00
Metalworking machinery	.00	.00	.00	.22	.17	.15	.00	.00	.00
Office and accounting machines	.00	.00	.00	.02	.01	.01	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.05	.04	.03	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.49	.42	.42	.00	.00	.00
Electrical machinery	1.12	1.07	.90	.74	.59	.48	.00	.00	.00
Household appliances	.01	.00	.00	.07	.05	.04	.00	.00	.00
Radio, tv communications equip	1.07	1.04	.90	.27	.19	.15	.00	.00	.00
Other electrical machinery	.03	.02	.00	.40	.34	.28	.00	.00	.00
Transportation equipment	.04	.04	.03	3.54	3.15	3.29	.03	.04	.07
Motor vehicles and equipment	.00	.00	.00	.71	.64	.74	.00	.00	.00
Aircraft and parts	.00	.00	.00	.35	.25	.23	.00	.00	.00
Ship,boat building and repair	.03	.03	.03	1.83	1.54	1.26	.02	.03	.07
Railroad equipment	.01	.01	.00	.11	.10	.07	.00	.00	.00
Mobile dwellings	.00	.00	.00	.50	.56	.93	.01	.01	.00
Cycles,misc transportation	.00	.00	.00	.02	.03	.04	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	1.25	1.46	1.68	.00	.00	.00
Scientific instruments	.00	.00	.00	.12	.12	.10	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.82	1.04	1.14	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.10	.11	.12	.00	.00	.00
Watches and clock devices	.00	.00	.00	.20	.18	.31	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	1.43	1.26	1.37	.14	.15	.26
Nondurable goods	.10	.09	.06	14.26	10.60	8.24	41.87	32.45	28.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telephone ln instrs, splicers			Other craft and kindred workers			Bakers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	6.15	4.67	3.47	41.75	32.33	27.89
Meat	.00	.00	.00	.13	.10	.07	.03	.02	.00
Dairy	.00	.00	.00	.17	.11	.07	.08	.07	.09
Canning and preserving	.00	.00	.00	.16	.15	.22	.44	.49	1.08
Grain mill	.00	.00	.00	.71	.71	.77	.14	.16	.27
Bakery	.00	.00	.00	4.03	2.91	1.94	40.53	31.10	25.78
Confectionery	.00	.00	.00	.03	.02	.02	.11	.10	.14
Beverages	.00	.00	.00	.66	.47	.22	.07	.06	.07
Miscellaneous food preparation	.00	.00	.00	.22	.16	.13	.31	.31	.44
Tobacco manufacturing	.00	.00	.00	.05	.04	.02	.00	.00	.00
Textile mill products	.00	.00	.00	.41	.32	.32	.00	.00	.00
Knitting mills	.00	.00	.00	.08	.05	.02	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.03	.02	.01	.00	.00	.00
Floor coverings	.00	.00	.00	.05	.05	.08	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.21	.15	.15	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.03	.02	.03	.00	.00	.00
Apparel and textile products	.00	.00	.00	2.97	2.43	2.22	.01	.01	.00
Apparel and accessories	.00	.00	.00	2.80	2.27	2.08	.01	.01	.00
Miscellaneous fabricated textile	.00	.00	.00	.17	.16	.14	.00	.00	.00
Paper and allied products	.00	.00	.00	.61	.43	.36	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.47	.33	.26	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.07	.05	.03	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.06	.05	.05	.00	.00	.00
Printing and publishing	.07	.07	.04	.61	.44	.23	.08	.09	.15
Newspaper publishing, printing	.07	.07	.04	.17	.12	.07	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.44	.31	.15	.08	.09	.15
Chemicals and allied products	.01	.01	.01	1.05	.74	.54	.01	.01	.00
Industrial chemicals	.00	.00	.00	.58	.41	.27	.00	.00	.00
Plastics and synthetics	.01	.01	.01	.08	.06	.04	.00	.00	.00
Synthetic fibers	.00	.00	.00	.08	.06	.05	.00	.00	.00
Drugs and medicines	.00	.00	.00	.04	.04	.02	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.04	.04	.03	.00	.00	.00
Paints and varnishes	.00	.00	.00	.02	.02	.02	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.06	.05	.06	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.11	.04	.03	.01	.01	.00
Petroleum and coal products	.00	.00	.00	.46	.36	.19	.01	.00	.00
Petroleum refining	.00	.00	.00	.42	.34	.17	.01	.00	.00
Misc petroleum,coal products	.00	.00	.00	.03	.02	.02	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.22	.20	.22	.00	.00	.00
Rubber	.00	.00	.00	.15	.10	.13	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.07	.09	.08	.00	.00	.00
Leather products	.00	.00	.00	1.69	.94	.63	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.05	.03	.01	.00	.00	.00
Footwear, except rubber	.00	.00	.00	1.40	.72	.48	.00	.00	.00
All other leather	.00	.00	.00	.23	.18	.13	.00	.00	.00
Transportation, other public util	94.91	94.04	95.59	8.92	8.64	9.10	.22	.24	.28
Transportation,total	.23	.20	.10	3.34	2.87	2.35	.22	.24	.28
Railroads and railway express	.19	.16	.09	1.99	1.55	1.01	.01	.01	.00
Local and interurban transit	.01	.00	.00	.12	.09	.21	.00	.00	.00
Street railways and bus lines	.01	.00	.00	.11	.08	.21	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.43	.46	.38	.00	.00	.00
Trucking services	.00	.00	.00	.36	.40	.33	.00	.00	.00
Warehousing and storage	.00	.00	.00	.07	.05	.05	.00	.00	.00
Water transportation	.00	.00	.00	.48	.44	.41	.14	.15	.14
Air transportation	.00	.00	.00	.07	.07	.08	.06	.07	.13
Pipelines	.03	.03	.00	.15	.15	.11	.00	.00	.00
Transportation services	.00	.00	.00	.07	.09	.11	.00	.00	.00
Communicatns,utils,sanitary serv	94.67	93.84	95.49	5.57	5.77	6.75	.00	.00	.00
Communications	93.36	92.44	94.63	.35	.33	.26	.00	.00	.00
Telephone(wire and radio)	87.95	86.08	91.19	.30	.29	.24	.00	.00	.00
Telegraph,misc communicatn serv	5.00	5.90	3.16	.02	.02	.01	.00	.00	.00
Radio and tv broadcasting	.40	.44	.27	.03	.02	.00	.00	.00	.00
Utilities and sanitary services	1.31	1.40	.86	5.22	5.44	6.49	.00	.00	.00
Electric light and power	.54	.68	.42	1.05	1.15	.93	.00	.00	.00
Electric-gas utilities	.55	.51	.29	.72	.62	.50	.00	.00	.00
Gas steam supply systems	.13	.11	.10	.79	.67	.56	.00	.00	.00
Water supply	.02	.02	.01	1.53	1.62	2.49	.00	.00	.00
Sanitary services	.05	.06	.02	1.09	1.35	1.96	.00	.00	.00
Other utilities	.00	.00	.00	.02	.02	.02	.00	.00	.00
Wholesale and retail trade	.25	.29	.20	23.12	27.50	28.87	45.29	52.64	55.18
Wholesale trade	.16	.19	.18	4.58	5.01	5.06	6.28	6.79	9.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telephone ln instrls, splicers			Other craft and kindred workers			Bakers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.09	.12	.14	2.31	2.69	2.74	6.26	6.74	9.22
Motor vehicles and equipment	.00	.00	.00	.13	.15	.18	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.08	.08	.09	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.19	.17	.16	.00	.00	.00
Food and related products	.00	.00	.00	.77	.80	.85	6.18	6.67	9.20
Farm products-raw materials	.00	.00	.00	.14	.21	.11	.00	.00	.00
Electrical goods	.09	.12	.14	.12	.12	.11	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.05	.05	.04	.02	.02	.01
Machinery equipment,supplies	.00	.00	.00	.82	1.07	1.16	.02	.02	.00
Miscellaneous wholesale trade	.07	.06	.04	2.27	2.32	2.32	.02	.04	.10
Metals and minerals, other	.01	.01	.02	.34	.25	.20	.00	.00	.00
Petroleum products	.06	.05	.02	.20	.21	.24	.01	.02	.10
Scrap and waste material	.00	.00	.00	.36	.38	.34	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.05	.08	.05	.00	.00	.00
Paper and paper products	.00	.00	.00	.02	.02	.02	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.49	.46	.44	.00	.00	.00
Other wholesale trade	.00	.00	.00	.79	.91	1.00	.01	.00	.00
Retail trade	.08	.09	.02	18.54	22.48	23.80	39.00	45.85	45.85
Building materials	.00	.00	.00	1.04	1.32	1.21	.00	.00	.00
Lumber,building material	.00	.00	.00	1.02	1.29	1.15	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.02	.03	.06	.00	.00	.00
General merchandise,total	.00	.00	.00	2.02	2.91	3.59	1.16	1.13	1.22
Department stores,mail order	.00	.00	.00	1.74	2.60	3.23	.73	.80	.96
Limited price stores	.00	.00	.00	.08	.08	.04	.19	.12	.03
Vending machine operators	.00	.00	.00	.01	.01	.00	.08	.07	.07
Direct selling	.00	.00	.00	.00	.00	.01	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.17	.20	.29	.15	.13	.15
Food and dairy stores	.00	.00	.00	3.24	3.22	2.41	31.23	32.44	30.26
Grocery stores	.00	.00	.00	.59	.60	.37	4.42	4.26	3.07
Dairy products	.00	.00	.00	.01	.01	.00	.05	.05	.02
Retail bakeries	.00	.00	.00	2.59	2.57	2.00	26.56	27.91	26.97
Food stores,other	.00	.00	.00	.03	.04	.03	.18	.21	.18
Auto dealers,gas stations	.00	.00	.00	.43	.63	.89	.18	.17	.14
Motor vehicle dealers	.00	.00	.00	.06	.06	.04	.16	.15	.11
Tire,battery,accessory dealrs	.00	.00	.00	.04	.06	.09	.01	.01	.03
Gasoline service stations	.00	.00	.00	.03	.03	.02	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.29	.47	.72	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	1.85	2.08	1.89	.01	.01	.00
Apparel,accessory,except shoes	.00	.00	.00	1.69	1.98	1.74	.01	.01	.00
Shoe stores	.00	.00	.00	.15	.10	.14	.00	.00	.00
Furniture and appliance stores	.08	.09	.02	4.63	4.92	5.14	.00	.00	.00
Home furnishings	.00	.00	.00	4.45	4.73	4.96	.00	.00	.00
Household appliances,tv,radio	.08	.09	.02	.17	.18	.18	.00	.00	.00
Eating and drinking places	.00	.00	.00	.64	1.17	1.12	6.29	11.93	14.03
Miscellaneous retail trade	.00	.00	.00	4.65	6.20	7.52	.12	.15	.18
Drug stores	.00	.00	.00	.05	.06	.06	.02	.02	.06
Liquor stores	.00	.00	.00	.00	.01	.02	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.03	.05	.05	.00	.00	.00
Jewelry stores	.00	.00	.00	1.31	1.50	1.54	.01	.01	.00
Fuel and ice dealers	.00	.00	.00	.04	.04	.06	.00	.00	.00
Retail florists	.00	.00	.00	2.13	2.87	3.87	.00	.00	.00
Misc retail trade stores	.00	.00	.00	1.07	1.63	1.91	.07	.11	.12
Finance,insurance and real estate	.03	.02	.00	.78	.76	.65	.00	.00	.00
Finance,total	.03	.02	.00	.12	.09	.03	.00	.00	.00
Banking	.01	.01	.00	.06	.04	.01	.00	.00	.00
Credit agencies	.00	.00	.00	.02	.02	.00	.00	.00	.00
Stock brokers,investment cos	.01	.01	.00	.02	.02	.00	.00	.00	.00
Insurance	.00	.00	.00	.29	.26	.22	.00	.00	.00
Real estate	.00	.00	.00	.37	.41	.39	.00	.00	.00
Services, total	1.07	1.60	1.21	16.04	17.76	17.22	11.93	13.92	15.38

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Telephone ln instlrs, splicers			Other craft and kindred workers			Bakers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.50	.56	.60	.88	1.22	1.64
Hotels and motels	.00	.00	.00	.45	.52	.54	.84	1.17	1.57
Other lodging places	.00	.00	.00	.05	.04	.06	.03	.05	.07
Other personal services	.00	.00	.00	2.56	1.99	1.35	.00	.01	.00
Laundering and cleaning	.00	.00	.00	.96	.60	.24	.00	.00	.00
Beauty shops	.00	.00	.00	.00	.00	.00	.00	.01	.00
Barber shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Shoe repair shops	.00	.00	.00	1.55	1.28	.97	.00	.00	.00
Dressmaking shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.04	.08	.11	.00	.00	.00
Miscellaneous business services	.01	.01	.00	2.26	2.77	2.48	.01	.01	.00
Advertising	.00	.00	.00	.16	.15	.09	.00	.00	.00
Business management services	.00	.00	.00	.44	.56	.43	.00	.00	.00
Commercial research,development	.00	.00	.00	.11	.15	.17	.01	.01	.00
Computer programing	.00	.00	.00	.02	.02	.01	.00	.00	.00
Detective and protective serv	.00	.00	.00	.04	.07	.15	.00	.00	.00
Services to buildings	.00	.00	.00	.07	.05	.01	.00	.00	.00
Other business services	.01	.01	.00	1.40	1.74	1.59	.00	.00	.00
Automobile services	.00	.00	.00	.22	.27	.14	.00	.00	.00
Automobile repair	.00	.00	.00	.20	.25	.11	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.02	.02	.02	.00	.00	.00
Other repair services	.07	.09	.16	2.90	3.46	2.91	.00	.00	.00
Electrical repair	.07	.09	.16	.01	.01	.00	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	2.89	3.45	2.91	.00	.00	.00
Motion pictures and theaters	.01	.00	.00	1.21	.72	.61	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.10	.18	.20	.33	.69	.98
Other entertainment	.00	.00	.00	.09	.18	.19	.33	.68	.98
Medical and other health service	.01	.01	.00	3.92	5.23	7.04	2.42	3.02	6.20
Offices of physicians	.00	.00	.00	.07	.08	.12	.00	.00	.00
Offices of dentists	.00	.00	.00	.49	.49	.94	.00	.00	.00
Hospitals	.01	.01	.00	1.26	1.39	2.07	2.24	2.76	5.62
Convalescent institutions	.00	.00	.00	.05	.07	.21	.17	.25	.57
Other health practitioners	.00	.00	.00	.08	.19	.33	.00	.00	.00
Other health services	.00	.00	.00	1.94	2.99	3.35	.00	.00	.00
Educational services	.01	.01	.00	1.65	1.68	1.14	7.79	8.48	6.22
Elementary and secondary school	.00	.00	.00	1.05	1.14	.70	6.35	7.27	5.64
Colleges and universities	.01	.01	.00	.55	.48	.37	1.34	1.09	.50
Other educational services	.00	.00	.00	.05	.05	.05	.10	.12	.06
Museums,art galleries,zoos	.00	.00	.00	.02	.03	.04	.00	.00	.00
Nonprofit organizations	.02	.02	.00	.24	.22	.18	.40	.37	.18
Religious organizations	.00	.00	.00	.06	.06	.02	.26	.25	.13
Welfare services	.00	.00	.00	.06	.05	.05	.01	.01	.00
Residential welfare services	.00	.00	.00	.01	.01	.01	.03	.02	.02
Nonprofit membership organiztns	.02	.02	.00	.09	.09	.07	.10	.08	.03
Private housechlds	.00	.00	.00	.03	.04	.05	.04	.06	.10
Other professional services	.91	1.43	1.05	.36	.53	.44	.01	.01	.03
Engineering and architectural	.91	1.43	1.05	.29	.45	.36	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.06	.08	.07	.01	.01	.03
Government,total	.33	.31	.17	1.35	1.20	1.03	.34	.36	.52
Federal public administration	.28	.26	.17	.78	.63	.42	.23	.18	.13
Postal services	.00	.00	.00	.02	.02	.02	.00	.00	.00
Federal pub adm,exc post office	.28	.26	.17	.76	.60	.39	.23	.18	.13
State public administration	.01	.01	.00	.19	.20	.28	.11	.17	.38
Local public administration	.03	.02	.00	.37	.37	.32	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cabinet-makers			Carpet installers			Crane, derrick, hoist operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.00	.00	.00	.22	.84	1.05
Agriculture	.00	.00	.00	.00	.00	.00	.15	.71	.84
Agricultural production	.00	.00	.00	.00	.00	.00	.09	.65	.80
Services, except horticulture	.00	.00	.00	.00	.00	.00	.01	.01	.01
Horticultural services	.00	.00	.00	.00	.00	.00	.04	.04	.02
Forestry	.00	.00	.00	.00	.00	.00	.04	.08	.15
Fisheries	.00	.00	.00	.00	.00	.00	.02	.04	.06
Mining	.01	.01	.01	.00	.00	.00	3.84	4.53	4.70
Metal	.00	.00	.00	.00	.00	.00	.98	.92	.92
Coal	.00	.00	.00	.00	.00	.00	.40	.56	.70
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.82	1.38	1.68
Nonmetallic mining and quarrying	.01	.01	.01	.00	.00	.00	1.62	1.65	1.38
Construction	5.30	5.64	3.95	47.60	50.40	50.68	15.58	17.15	17.38
General building contractors	3.13	3.24	2.18	.61	.75	1.68	3.49	3.82	4.65
General contractors, exc building	.16	.17	.17	.07	.05	.00	7.96	8.19	6.53
Special trade contractors	1.99	2.22	1.60	46.90	49.60	48.99	4.12	5.13	6.20
Manufacturing	58.00	58.44	64.92	2.72	2.59	4.11	65.17	60.80	62.01
Durable goods	57.44	57.91	64.51	1.50	1.59	3.03	60.06	56.29	57.84
Ordnance	.03	.01	.00	.00	.00	.00	.48	.21	.12
Lumber and wood products	5.62	5.74	6.43	.03	.02	.00	3.23	3.65	3.95
Logging	.03	.03	.02	.00	.00	.00	1.21	1.56	1.39
Sawmill, planing and mill work	4.88	5.29	6.10	.03	.02	.00	1.49	1.56	1.90
Miscellaneous wood products	.70	.41	.30	.00	.00	.00	.52	.51	.65
Furniture and fixtures	40.65	41.80	48.48	.15	.14	.14	.18	.20	.30
Stone, clay, and glass products	.00	.00	.00	.00	.00	.00	3.97	4.13	4.31
Glass and glass products	.00	.00	.00	.00	.00	.00	.33	.31	.24
Cement, concrete, plaster	.00	.00	.00	.00	.00	.00	2.35	2.42	2.46
Structural clay products	.00	.00	.00	.00	.00	.00	.20	.18	.15
Pottery and related products	.00	.00	.00	.00	.00	.00	.02	.02	.04
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	1.05	1.17	1.41
Primary metal industries	.05	.04	.04	.06	.07	.11	31.17	26.78	27.84
Blast furnaces, steel works	.00	.00	.00	.06	.07	.11	20.41	16.72	16.85
Other primary steel	.04	.04	.04	.00	.00	.00	6.72	6.47	8.11
Primary aluminum	.00	.00	.00	.00	.00	.00	2.10	1.88	1.49
Other primary nonferrous	.00	.00	.00	.00	.00	.00	1.93	1.69	1.38
Fabricated metal products	.72	.77	1.02	.01	.01	.00	7.37	7.64	9.02
Cutlery and other hardware	.26	.34	.66	.00	.00	.00	.17	.20	.28
Fabricated structural metal	.20	.21	.23	.00	.00	.00	4.69	5.32	7.66
Screw machine products	.00	.00	.00	.00	.00	.00	.15	.12	.05
Metal stamping	.11	.10	.08	.00	.00	.00	.75	.64	.36
Miscellaneous fabricated metal	.14	.11	.03	.01	.01	.00	1.58	1.34	.65
Machinery except electrical	.57	.49	.26	.00	.00	.00	6.22	6.22	4.82
Engines and turbines	.00	.00	.00	.00	.00	.00	.66	.69	.51
Farm machinery and equipment	.01	.02	.04	.00	.00	.00	.38	.42	.49
Construction machines	.04	.03	.00	.00	.00	.00	2.26	2.27	1.39
Metalworking machinery	.02	.03	.05	.00	.00	.00	.93	.84	.55
Office and accounting machines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.02	.02	.00	.00	.00	.00	.00	.01	.02
Other machinery, exc electrical	.45	.37	.17	.00	.00	.00	1.95	1.97	1.83
Electrical machinery	1.02	.60	.08	.00	.00	.00	1.58	1.33	.73
Household appliances	.10	.07	.03	.00	.00	.00	.18	.14	.07
Radio, tv communications equip	.72	.38	.05	.00	.00	.00	.16	.10	.03
Other electrical machinery	.19	.14	.00	.00	.00	.00	1.22	1.08	.62
Transportation equipment	7.06	7.00	7.52	1.14	1.26	2.66	5.50	5.76	6.28
Motor vehicles and equipment	.10	.11	.11	.15	.14	.11	2.31	2.63	2.97
Aircraft and parts	.19	.12	.04	.00	.00	.00	.70	.60	.64
Ship, boat building and repair	.34	.32	.13	.14	.13	.08	1.88	1.87	2.15
Railroad equipment	.01	.01	.00	.00	.00	.00	.55	.58	.36
Mobile dwellings	6.20	6.19	7.13	.85	.97	2.46	.02	.02	.06
Cycles, misc transportation	.19	.22	.10	.00	.00	.00	.02	.04	.07
Professional, scientific instrs	.46	.39	.08	.00	.00	.00	.08	.08	.09
Scientific instruments	.21	.17	.06	.00	.00	.00	.03	.03	.04
Optical, health serv supplies	.14	.14	.00	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.06	.05	.00	.00	.00	.00	.03	.04	.05
Watches and clock devices	.04	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	1.22	1.01	.56	.08	.08	.12	.23	.25	.33
Nondurable goods	.55	.52	.40	1.22	1.00	1.07	5.10	4.51	4.17

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cabinet-makers			Carpet installers			Crane, derrick, hoist operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.04	.02	.01	.00	.00	.00	.67	.65	.76
Meat	.00	.00	.00	.00	.00	.00	.03	.03	.05
Dairy	.04	.02	.01	.00	.00	.00	.01	.01	.00
Canning and preserving	.00	.00	.00	.00	.00	.00	.16	.16	.21
Grain mill	.00	.00	.00	.00	.00	.00	.04	.05	.07
Beverages	.00	.00	.00	.00	.00	.00	.03	.02	.02
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.38	.36	.39
Tobacco manufacturing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Textile mill products	.00	.00	.00	1.11	.93	1.04	.20	.20	.36
Floor coverings	.00	.00	.00	1.01	.84	.93	.05	.06	.16
Yarn and fabric mills	.00	.00	.00	.06	.06	.10	.11	.10	.13
Miscellaneous textile mill	.00	.00	.00	.03	.01	.00	.03	.03	.06
Apparel and textile products	.00	.00	.00	.06	.05	.02	.01	.00	.00
Apparel and accessories	.00	.00	.00	.01	.00	.00	.01	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.05	.04	.02	.00	.00	.00
Paper and allied products	.07	.06	.10	.00	.00	.00	1.66	1.41	1.25
Pulp, paper paperboard mills	.05	.06	.10	.00	.00	.00	1.40	1.16	.93
Paperboard containers, boxes	.01	.00	.00	.00	.00	.00	.13	.09	.06
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.12	.15	.25
Printing and publishing	.02	.01	.00	.02	.01	.00	.22	.21	.22
Newspaper publishing, printing	.00	.00	.00	.01	.01	.00	.02	.01	.00
Other printing, exc newspapers	.02	.01	.00	.00	.00	.00	.19	.20	.22
Chemicals and allied products	.21	.16	.09	.00	.00	.00	1.52	1.19	.80
Industrial chemicals	.20	.15	.09	.00	.00	.00	.92	.73	.42
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.10	.07	.02
Synthetic fibers	.00	.00	.00	.00	.00	.00	.05	.05	.06
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.01	.01	.00
Paints and varnishes	.00	.00	.00	.00	.00	.00	.03	.03	.06
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.17	.17	.13
Miscellaneous chemicals	.01	.00	.00	.00	.00	.00	.21	.12	.07
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.53	.53	.45
Petroleum refining	.00	.00	.00	.00	.00	.00	.42	.41	.31
Misc petroleum, coal products	.00	.00	.00	.00	.00	.00	.11	.12	.14
Rubber, miscellaneous plastics	.17	.23	.17	.00	.00	.00	.23	.25	.29
Rubber	.00	.00	.00	.00	.00	.00	.15	.15	.18
Miscellaneous plastics	.17	.23	.17	.00	.00	.00	.07	.10	.11
Leather products	.02	.01	.01	.00	.00	.00	.02	.01	.00
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.01	.01	.00
Footwear, except rubber	.02	.01	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	.17	.21	.23	.08	.05	.01	5.84	5.84	5.56
Transportation, total	.16	.20	.23	.08	.05	.01	3.96	3.79	3.45
Railroads and railway express	.02	.01	.00	.01	.00	.00	1.41	1.06	.79
Local and interurban transit	.00	.00	.00	.01	.00	.00	.03	.03	.16
Street railways and bus lines	.00	.00	.00	.01	.00	.00	.03	.03	.16
Trucking and warehousing	.10	.13	.19	.04	.03	.01	.41	.50	.53
Trucking services	.06	.10	.17	.02	.01	.00	.34	.42	.41
Warehousing and storage	.04	.03	.01	.02	.01	.01	.07	.07	.11
Water transportation	.00	.00	.00	.00	.00	.00	1.98	2.03	1.72
Air transportation	.04	.06	.04	.01	.01	.00	.02	.02	.02
Transportation services	.00	.00	.00	.00	.00	.00	.08	.12	.21
Communicatns, utils, sanitary serv	.00	.00	.00	.00	.00	.00	1.88	2.04	2.11
Communications	.00	.00	.00	.00	.00	.00	.04	.05	.04
Telephone (wire and radio)	.00	.00	.00	.00	.00	.00	.01	.00	.00
Telegraph, misc communicatn serv	.00	.00	.00	.00	.00	.00	.03	.04	.04
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	1.83	1.99	2.06
Electric light and power	.00	.00	.00	.00	.00	.00	.56	.68	.46
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.33	.28	.19
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.10	.08	.03
Water supply	.00	.00	.00	.00	.00	.00	.17	.19	.24
Sanitary services	.00	.00	.00	.00	.00	.00	.63	.74	1.10
Other utilities	.00	.00	.00	.00	.00	.00	.01	.01	.01
Wholesale and retail trade	28.74	26.95	23.16	48.41	45.55	43.75	6.28	6.88	5.57
Wholesale trade	2.08	1.97	1.56	4.11	3.89	3.86	5.89	6.40	4.98

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cabinet-makers			Carpet installers			Crane, derrick, hoist operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.75	.95	1.20	.15	.13	.07	.57	.66	.60
Motor vehicles and equipment	.08	.10	.13	.01	.01	.00	.02	.01	.02
Drugs,chemicals,allied product	.05	.06	.11	.00	.00	.00	.05	.06	.09
Dry goods and apparel	.02	.02	.04	.00	.00	.00	.00	.00	.02
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.03	.05	.04
Electrical goods	.11	.11	.09	.06	.06	.04	.04	.04	.04
Hardware and plumbing	.03	.03	.01	.02	.02	.02	.09	.09	.05
Machinery equipment,supplies	.44	.60	.80	.05	.04	.00	.31	.37	.31
Miscellaneous wholesale trade	1.32	1.02	.36	3.96	3.75	3.79	5.31	5.74	4.38
Metals and minerals, other	.01	.01	.02	.00	.00	.00	2.19	1.88	1.30
Petroleum products	.00	.00	.00	.00	.00	.00	.08	.11	.18
Scrap and waste material	.01	.01	.00	.00	.00	.00	2.54	3.27	2.51
Paper and paper products	.03	.02	.01	.00	.00	.00	.01	.01	.01
Lumber,construction materials	.59	.45	.16	.08	.09	.13	.35	.32	.24
Other wholesale trade	.67	.52	.16	3.87	3.66	3.65	.12	.12	.10
Retail trade	26.65	24.97	21.60	44.29	41.66	39.89	.39	.48	.58
Building materials	2.45	2.94	2.66	.93	.86	.55	.26	.30	.25
Lumber,building material	2.38	2.85	2.47	.76	.71	.38	.25	.28	.16
Hardware and farm equipment	.06	.08	.19	.16	.14	.17	.00	.02	.09
General merchandise,total	1.15	1.11	.65	2.03	2.48	4.50	.00	.00	.00
Department stores,mail order	1.06	1.04	.60	1.88	2.35	4.38	.00	.00	.00
Vending machine operators	.03	.02	.00	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.05	.04	.04	.15	.12	.12	.00	.00	.00
Food and dairy stores	.06	.05	.01	.10	.08	.03	.01	.01	.00
Grocery stores	.03	.02	.00	.04	.03	.00	.01	.00	.00
Retail bakeries	.03	.02	.01	.06	.05	.03	.00	.00	.00
Auto dealers,gas stations	.09	.09	.11	.11	.14	.20	.02	.02	.01
Motor vehicle dealers	.00	.00	.00	.01	.01	.00	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous vehicle dealers	.09	.09	.11	.09	.13	.20	.00	.00	.00
Apparel and accessory stores	.12	.15	.19	.12	.14	.20	.00	.00	.00
Apparel,accessory,except shoes	.11	.13	.16	.10	.12	.17	.00	.00	.00
Shoe stores	.01	.01	.03	.02	.02	.03	.00	.00	.00
Furniture and appliance stores	21.46	19.17	17.27	40.70	37.55	33.78	.01	.05	.17
Home furnishings	21.34	19.01	17.11	40.43	37.28	33.65	.01	.02	.08
Household appliances,tv,radio	.12	.15	.15	.27	.27	.13	.00	.02	.08
Eating and drinking places	.08	.08	.00	.03	.03	.00	.01	.01	.00
Miscellaneous retail trade	1.20	1.36	.67	.24	.34	.61	.05	.06	.12
Drug stores	.04	.06	.16	.10	.10	.15	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.00	.00	.01
Fuel and ice dealers	.02	.02	.04	.00	.00	.00	.03	.01	.00
Misc retail trade stores	1.12	1.25	.45	.14	.24	.46	.01	.03	.11
Finance,insurance and real estate	.07	.10	.13	.21	.19	.10	.05	.06	.05
Real estate	.07	.10	.13	.21	.19	.10	.05	.06	.05
Services, total	6.93	8.04	5.29	.86	1.12	1.33	1.54	2.15	1.81
Hotels and lodging place	.16	.19	.14	.15	.17	.14	.00	.00	.00
Hotels and motels	.14	.17	.14	.14	.16	.14	.00	.00	.00
Other lodging places	.02	.01	.00	.01	.00	.00	.00	.00	.00
Other personal services	.04	.04	.09	.07	.19	.30	.00	.00	.00
Laundering and cleaning	.03	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.03	.09	.07	.19	.30	.00	.00	.00
Miscellaneous business services	.08	.08	.04	.17	.25	.39	1.22	1.66	1.22
Advertising	.02	.02	.01	.00	.00	.00	.00	.00	.00
Business management services	.04	.05	.03	.06	.09	.15	.00	.00	.00
Commercial research,development	.00	.00	.00	.00	.00	.00	.00	.01	.01
Services to buildings	.00	.00	.00	.04	.06	.10	.00	.00	.00
Other business services	.00	.00	.00	.06	.10	.13	1.21	1.64	1.21
Automobile services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Automobile repair	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other repair services	4.15	5.15	2.15	.07	.15	.21	.06	.08	.04
Other repair,exc electrical	4.15	5.15	2.15	.07	.15	.21	.05	.08	.04
Motion pictures and theaters	.05	.04	.09	.00	.00	.00	.02	.02	.04
Miscellaneous entertainment	.03	.07	.21	.00	.00	.00	.02	.05	.06
Other entertainment	.02	.07	.21	.00	.00	.00	.02	.05	.06

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cabinet-makers			Carpet installers			Crane, derrick, hoist operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.59	.78	1.66	.04	.03	.00	.01	.01	.00
Offices of physicians	.05	.02	.08	.00	.00	.00	.00	.00	.00
Hospitals	.47	.56	.84	.04	.03	.00	.01	.01	.00
Convalescent institutions	.04	.08	.38	.00	.00	.00	.00	.00	.00
Other health services	.02	.11	.34	.00	.00	.00	.00	.00	.00
Educational services	1.21	1.02	.21	.16	.10	.00	.07	.10	.21
Elementary and secondary school	.69	.54	.00	.15	.09	.00	.00	.00	.00
Colleges and universities	.48	.44	.21	.01	.00	.00	.06	.09	.21
Other educational services	.03	.03	.00	.00	.00	.00	.00	.00	.00
Museums, art galleries, zoos	.09	.10	.04	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.33	.27	.18	.07	.10	.14	.00	.00	.00
Religious organizations	.02	.01	.00	.00	.00	.00	.00	.00	.00
Welfare services	.25	.17	.05	.01	.01	.00	.00	.00	.00
Nonprofit membership organiztns	.06	.08	.12	.06	.09	.14	.00	.00	.00
Private households	.09	.13	.14	.09	.10	.13	.00	.00	.00
Other professional services	.05	.10	.29	.00	.00	.00	.11	.19	.21
Engineering and architectural	.02	.07	.24	.00	.00	.00	.10	.16	.18
Miscellaneous professional serv	.03	.03	.04	.00	.00	.00	.01	.03	.02
Government, total	.75	.59	2.28	.09	.06	.00	1.44	1.72	1.84
Federal public administration	.59	.41	1.24	.00	.00	.00	.88	.90	.34
Federal pub adm, exc post office	.59	.41	1.24	.00	.00	.00	.88	.90	.34
State public administration	.07	.10	1.03	.01	.01	.00	.11	.20	.45
Local public administration	.08	.07	.00	.07	.05	.00	.44	.62	1.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Decorators, window dressers			Dental laboratory technicians			Furniture and wood finishers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	1.02	2.89	.38	.00	.00	.00	.00	.00	.00
Agriculture	1.02	2.89	.38	.00	.00	.00	.00	.00	.00
Agricultural production	.90	2.77	.31	.00	.00	.00	.00	.00	.00
Services,except horticulture	.04	.02	.01	.00	.00	.00	.00	.00	.00
Horticultural services	.08	.09	.05	.00	.00	.00	.00	.00	.00
Construction	.18	.27	.40	.00	.00	.00	.83	1.15	2.29
General building contractors	.00	.00	.00	.00	.00	.00	.28	.35	.53
General contractors,exc building	.00	.00	.00	.00	.00	.00	.03	.02	.00
Special trade contractors	.18	.27	.40	.00	.00	.00	.52	.78	1.76
Manufacturing	1.63	1.70	2.03	6.20	4.15	6.86	59.64	49.96	38.04
Durable goods	1.29	1.40	1.74	6.09	4.10	6.86	59.04	49.46	37.58
Lumber and wood products	.03	.04	.06	.00	.00	.00	3.77	2.71	2.22
Sawmill,planing and mill work	.01	.01	.00	.00	.00	.00	2.09	1.50	1.16
Miscellaneous wood products	.02	.03	.06	.00	.00	.00	1.67	1.21	1.05
Furniture and fixtures	.07	.08	.10	.00	.00	.00	52.04	43.85	30.96
Stone,clay,and glass products	.05	.06	.09	.00	.00	.00	.16	.15	.16
Glass and glass products	.01	.00	.00	.00	.00	.00	.07	.06	.08
Structural clay products	.01	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous nonmetallic,stone	.03	.04	.09	.00	.00	.00	.07	.06	.05
Primary metal industries	.09	.11	.13	.02	.00	.00	.11	.06	.00
Blast furnaces,steel works	.04	.05	.11	.02	.00	.00	.11	.06	.00
Other primary steel	.04	.06	.02	.00	.00	.00	.00	.00	.00
Fabricated metal products	.01	.00	.00	.01	.00	.00	.14	.17	.35
Miscellaneous fabricated metal	.01	.00	.00	.01	.00	.00	.14	.17	.35
Machinery except electrical	.00	.00	.00	.00	.00	.00	.08	.04	.00
Metalworking machinery	.00	.00	.00	.00	.00	.00	.01	.01	.00
Office and accounting machines	.00	.00	.00	.00	.00	.00	.07	.03	.00
Electrical machinery	.01	.01	.02	.00	.00	.00	.59	.53	.90
Household appliances	.01	.01	.02	.00	.00	.00	.04	.03	.00
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.54	.50	.90
Transportation equipment	.03	.04	.09	.00	.00	.00	.58	.65	1.94
Ship,boat building and repair	.00	.00	.00	.00	.00	.00	.26	.22	.08
Mobile dwellings	.03	.04	.09	.00	.00	.00	.32	.43	1.86
Professional,scientific instrs	.00	.00	.00	5.98	4.07	6.86	.28	.26	.34
Scientific instruments	.00	.00	.00	.00	.00	.00	.21	.22	.34
Optical,health serv supplies	.00	.00	.00	5.98	4.07	6.86	.00	.00	.00
Watches and clock devices	.00	.00	.00	.00	.00	.00	.07	.04	.00
Miscellaneous manufacturing	.97	1.02	1.22	.07	.02	.00	1.26	1.00	.67
Nondurable goods	.33	.29	.29	.11	.04	.00	.59	.49	.46

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Decorators, window dressers			Dental laboratory technicians			Furniture and wood finishers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.21	.19	.24	.02	.00	.00	.00	.00	.00
Dairy	.03	.02	.01	.00	.00	.00	.00	.00	.00
Bakery	.01	.00	.00	.00	.00	.00	.00	.00	.00
Confectionery	.01	.00	.01	.00	.00	.00	.00	.00	.00
Beverages	.15	.15	.22	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.02	.00	.00	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.04	.02	.00
Textile mill products	.00	.00	.00	.00	.00	.00	.20	.13	.07
Knitting mills	.00	.00	.00	.00	.00	.00	.07	.04	.00
Floor coverings	.00	.00	.00	.00	.00	.00	.01	.01	.04
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.04	.02	.00
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.07	.04	.02
Apparel and textile products	.08	.06	.02	.00	.00	.00	.08	.05	.00
Apparel and accessories	.05	.04	.00	.00	.00	.00	.08	.05	.00
Miscellaneous fabricated textile	.02	.02	.02	.00	.00	.00	.00	.00	.00
Paper and allied products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.01	.00	.00	.00	.00	.00	.00	.00	.00
Printing and publishing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.01	.01	.00	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.01	.01	.02	.09	.03	.00	.08	.05	.00
Soaps and cosmetics	.01	.01	.02	.06	.02	.00	.00	.00	.00
Paints and varnishes	.00	.00	.00	.00	.00	.00	.08	.05	.00
Miscellaneous chemicals	.00	.00	.00	.02	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.13	.20	.39
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.13	.20	.39
Leather products	.00	.00	.00	.00	.00	.00	.04	.02	.00
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.04	.02	.00
Transportation, other public util	.12	.08	.01	.01	.00	.00	.60	.38	.02
Transportation,total	.03	.02	.00	.01	.00	.00	.40	.24	.02
Railroads and railway express	.03	.02	.00	.00	.00	.00	.05	.03	.00
Local and interurban transit	.00	.00	.00	.01	.00	.00	.02	.01	.00
Street railways and bus lines	.00	.00	.00	.01	.00	.00	.02	.01	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.32	.20	.02
Trucking services	.00	.00	.00	.00	.00	.00	.07	.06	.00
Warehousing and storage	.00	.00	.00	.00	.00	.00	.24	.13	.02
Communicatns,utils,sanitary serv	.09	.06	.01	.00	.00	.00	.20	.13	.00
Utilities and sanitary services	.09	.06	.01	.00	.00	.00	.20	.13	.00
Electric-gas utilities	.09	.06	.01	.00	.00	.00	.20	.13	.00
Wholesale and retail trade	86.18	85.12	90.49	1.42	.82	.91	20.67	22.43	29.32
Wholesale trade	4.40	4.66	4.37	1.42	.82	.91	1.91	2.15	3.98
Wholesale,exc misc whlsle trade	.75	.79	.77	1.42	.82	.91	.25	.24	.22
Motor vehicles and equipment	.01	.01	.00	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.12	.14	.20	.03	.01	.00	.04	.03	.00
Dry goods and apparel	.20	.19	.16	.00	.00	.00	.00	.00	.00
Food and related products	.26	.30	.33	.00	.00	.00	.00	.00	.00
Electrical goods	.07	.06	.04	.00	.00	.00	.08	.09	.22
Hardware and plumbing	.02	.02	.02	.00	.00	.00	.03	.03	.00
Machinery equipment,supplies	.05	.04	.00	1.38	.81	.91	.09	.08	.00
Miscellaneous wholesale trade	3.65	3.86	3.60	.00	.00	.00	1.66	1.90	3.76
Metals and minerals, other	.03	.02	.01	.00	.00	.00	.00	.00	.00
Scrap and waste material	.01	.01	.01	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.66	.75	.43	.00	.00	.00	.00	.00	.00
Paper and paper products	.09	.05	.00	.00	.00	.00	.04	.03	.06
Lumber,construction materials	.01	.01	.02	.00	.00	.00	.12	.17	.55
Other wholesale trade	2.82	2.99	3.11	.00	.00	.00	1.49	1.69	3.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Decorators, window dressers			Dental laboratory technicians			Furniture and wood finishers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	81.78	80.45	86.11	.00	.00	.00	18.75	20.28	25.33
Building materials	.76	.93	.85	.00	.00	.00	.00	.00	.00
Lumber,building material	.69	.87	.83	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.07	.05	.02	.00	.00	.00	.00	.00	.00
General merchandise,total	19.94	21.16	18.78	.00	.00	.00	3.09	3.70	7.29
Department stores,mail order	17.29	18.94	16.93	.00	.00	.00	3.09	3.70	7.29
Limited price stores	1.03	.73	.25	.00	.00	.00	.00	.00	.00
Vending machine operators	.01	.01	.01	.00	.00	.00	.00	.00	.00
Direct selling	.03	.04	.09	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	1.56	1.43	1.49	.00	.00	.00	.00	.00	.00
Food and dairy stores	1.74	1.60	.75	.00	.00	.00	.02	.01	.00
Grocery stores	1.48	1.35	.57	.00	.00	.00	.02	.01	.00
Dairy products	.03	.03	.02	.00	.00	.00	.00	.00	.00
Retail bakeries	.10	.06	.00	.00	.00	.00	.00	.00	.00
Food stores,other	.12	.15	.13	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.48	.61	.67	.00	.00	.00	.02	.01	.00
Motor vehicle dealers	.04	.04	.00	.00	.00	.00	.02	.01	.00
Tire,battery,accessory dealrsl	.06	.11	.19	.00	.00	.00	.00	.00	.00
Gasoline service stations	.04	.02	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.33	.44	.47	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	6.40	8.19	9.87	.00	.00	.00	.19	.29	.68
Apparel,accessory,except shoes	5.90	7.57	8.98	.00	.00	.00	.19	.29	.68
Shoe stores	.50	.62	.88	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	10.33	11.09	13.16	.00	.00	.00	11.59	10.48	7.00
Home furnishings	10.15	10.89	13.02	.00	.00	.00	10.79	9.68	6.58
Household appliances,tv,radio	.18	.20	.13	.00	.00	.00	.80	.80	.42
Eating and drinking places	.20	.62	1.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	41.89	36.22	41.00	.00	.00	.00	3.82	5.76	10.35
Drug stores	.40	.35	.20	.00	.00	.00	.08	.05	.00
Liquor stores	.10	.15	.15	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.28	.34	.26	.00	.00	.00	.00	.00	.00
Jewelry stores	.33	.45	.46	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.26	.26	.37	.00	.00	.00	.06	.03	.00
Retail florists	39.28	33.12	38.23	.00	.00	.00	.00	.00	.00
Misc retail trade stores	1.21	1.52	1.31	.00	.00	.00	3.67	5.67	10.35
Services, total	10.84	9.91	6.65	91.20	94.51	91.66	18.11	25.95	30.31
Hotels and lodging place	.13	.16	.16	.00	.00	.00	.34	.43	.56
Hotels and motels	.11	.15	.16	.00	.00	.00	.34	.43	.56
Other lodging places	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other personal services	.12	.27	.30	.00	.00	.00	.06	.11	.15
Misc personal services	.11	.26	.30	.00	.00	.00	.06	.11	.15
Miscellaneous business services	9.72	8.33	4.92	.01	.00	.00	.30	.36	.62
Advertising	.17	.14	.10	.00	.00	.00	.00	.00	.00
Business management services	7.37	5.99	3.83	.00	.00	.00	.10	.10	.17
Other business services	2.16	2.18	.99	.01	.00	.00	.19	.25	.45
Automobile services	.02	.02	.03	.00	.00	.00	.02	.01	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.02	.01	.00
Automobile services,exc repair	.02	.02	.03	.00	.00	.00	.00	.00	.00
Other repair services	.04	.06	.02	.00	.00	.00	15.60	23.10	26.92
Other repair,exc electrical	.04	.06	.02	.00	.00	.00	15.60	23.10	26.92
Motion pictures and theaters	.20	.13	.10	.00	.00	.00	.02	.01	.00
Miscellaneous entertainment	.09	.26	.47	.04	.03	.00	.01	.02	.00
Other entertainment	.09	.26	.47	.04	.03	.00	.01	.02	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Decorators, window dressers			Dental laboratory technicians			Furniture and wood finishers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.21	.33	.38	89.95	93.88	91.03	.29	.60	1.24
Offices of physicians	.00	.00	.00	.66	.44	1.55	.00	.00	.00
Offices of dentists	.00	.00	.00	21.40	15.67	22.59	.00	.00	.00
Hospitals	.02	.02	.00	1.79	1.52	2.51	.10	.08	.00
Convalescent institutions	.01	.00	.00	.02	.12	2.07	.05	.04	.00
Other health services	.17	.29	.38	66.06	76.10	62.29	.13	.48	1.24
Educational services	.09	.07	.00	.92	.43	.43	.90	.67	.00
Elementary and secondary school	.00	.00	.00	.07	.02	.00	.63	.47	.00
Colleges and universities	.07	.05	.00	.85	.40	.43	.23	.17	.00
Other educational services	.01	.01	.00	.00	.00	.00	.03	.03	.00
Museums, art galleries, zoos	.08	.09	.04	.00	.00	.00	.10	.16	.38
Nonprofit organizations	.04	.05	.13	.11	.05	.00	.30	.30	.41
Welfare services	.00	.00	.00	.07	.03	.00	.26	.26	.41
Nonprofit membership organiztns	.04	.05	.13	.04	.02	.00	.04	.04	.00
Private households	.00	.00	.00	.00	.00	.00	.11	.09	.00
Other professional services	.04	.07	.05	.15	.10	.19	.03	.03	.00
Engineering and architectural	.02	.03	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.02	.04	.05	.15	.10	.19	.03	.03	.00
Government, total	.00	.00	.00	1.15	.50	.56	.12	.11	.00
Federal public administration	.00	.00	.00	1.04	.41	.34	.00	.00	.00
Federal pub adm, exc post office	.00	.00	.00	1.04	.41	.34	.00	.00	.00
State public administration	.00	.00	.00	.11	.09	.21	.03	.03	.00
Local public administration	.00	.00	.00	.00	.00	.00	.08	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furriers			Glaziers			Inspectors, log and lumber		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.01	.01	.00	1.06	1.65	1.22
Agriculture	.00	.00	.00	.01	.01	.00	.00	.00	.00
Horticultural services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Forestry	.00	.00	.00	.00	.00	.00	1.06	1.65	1.22
Mining	.00	.00	.00	.03	.03	.02	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.03	.03	.02	.00	.00	.00
Construction	.00	.00	.00	22.89	25.81	40.45	.29	.21	.00
General building contractors	.00	.00	.00	1.04	1.33	2.76	.20	.15	.00
General contractors,exc building	.00	.00	.00	.10	.06	.00	.09	.07	.00
Special trade contractors	.00	.00	.00	21.74	24.41	37.69	.00	.00	.00
Manufacturing	31.56	26.99	16.00	13.47	11.23	9.35	84.00	86.12	95.45
Durable goods	3.69	3.30	2.04	13.32	11.15	9.35	80.94	83.98	94.49
Lumber and wood products	.00	.00	.00	2.42	1.79	1.24	78.35	81.06	90.42
Logging	.00	.00	.00	.00	.00	.00	3.09	3.29	2.32
Sawmill,planing and mill work	.00	.00	.00	2.30	1.70	1.14	70.70	72.56	78.43
Miscellaneous wood products	.00	.00	.00	.11	.09	.10	4.54	5.20	9.66
Furniture and fixtures	.73	.57	.00	.52	.50	.61	2.15	2.50	3.72
Stone,clay,and glass products	.00	.00	.00	4.66	3.81	3.00	.03	.02	.01
Glass and glass products	.00	.00	.00	4.59	3.75	2.96	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.02	.01	.00	.00	.00	.00
Structural clay products	.00	.00	.00	.00	.00	.00	.03	.02	.01
Pottery and related products	.00	.00	.00	.04	.04	.04	.00	.00	.00
Primary metal industries	.23	.15	.00	.33	.29	.15	.07	.07	.08
Blast furnaces,steel works	.23	.15	.00	.06	.03	.00	.00	.00	.00
Other primary steel	.00	.00	.00	.08	.12	.06	.00	.00	.00
Primary aluminum	.00	.00	.00	.12	.08	.02	.07	.07	.08
Other primary nonferrous	.00	.00	.00	.06	.05	.05	.00	.00	.00
Fabricated metal products	.26	.23	.00	2.16	1.58	.71	.03	.02	.00
Fabricated structural metal	.00	.00	.00	1.96	1.44	.66	.00	.00	.00
Metal stamping	.00	.00	.00	.12	.09	.05	.00	.00	.00
Miscellaneous fabricated metal	.26	.23	.00	.07	.04	.00	.03	.02	.00
Machinery except electrical	.00	.00	.00	.13	.14	.16	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.06	.06	.06	.00	.00	.00
Metalworking machinery	.00	.00	.00	.07	.07	.09	.00	.00	.00
Electrical machinery	.88	.73	.00	.20	.11	.00	.00	.00	.00
Other electrical machinery	.88	.73	.00	.20	.11	.00	.00	.00	.00
Transportation equipment	.00	.00	.00	2.74	2.78	3.41	.07	.06	.00
Motor vehicles and equipment	.00	.00	.00	1.93	2.00	2.20	.00	.00	.00
Aircraft and parts	.00	.00	.00	.22	.18	.19	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.10	.11	.16	.07	.06	.00
Mobile dwellings	.00	.00	.00	.46	.45	.80	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.02	.03	.04	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.06	.06	.05	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.06	.06	.05	.00	.00	.00
Miscellaneous manufacturing	1.57	1.61	2.04	.07	.04	.00	.22	.23	.23
Nondurable goods	27.87	23.68	13.95	.14	.08	.00	3.05	2.13	.96

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furriers			Glaziers			Inspectors, log and lumber		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.01	.01	.00	.03	.02	.00
Beverages	.00	.00	.00	.01	.01	.00	.03	.02	.00
Textile mill products	.84	.69	.00	.00	.00	.00	.00	.00	.00
Knitting mills	.46	.34	.00	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.38	.34	.00	.00	.00	.00	.00	.00	.00
Apparel and textile products	27.02	22.99	13.95	.04	.02	.00	.00	.00	.00
Apparel and accessories	27.02	22.99	13.95	.04	.02	.00	.00	.00	.00
Paper and allied products	.00	.00	.00	.00	.00	.00	3.02	2.11	.96
Pulp, paper paperboard mills	.00	.00	.00	.00	.00	.00	3.02	2.11	.96
Chemicals and allied products	.00	.00	.00	.08	.04	.00	.00	.00	.00
Paints and varnishes	.00	.00	.00	.08	.04	.00	.00	.00	.00
Transportation, other public util	.50	.30	.00	.27	.23	.13	.35	.31	.26
Transportation, total	.50	.30	.00	.27	.23	.13	.30	.26	.20
Railroads and railway express	.50	.30	.00	.23	.20	.13	.27	.24	.20
Local and interurban transit	.00	.00	.00	.02	.01	.00	.02	.02	.00
Street railways and bus lines	.00	.00	.00	.02	.01	.00	.02	.02	.00
Air transportation	.00	.00	.00	.02	.01	.00	.00	.00	.00
Communicatns, utils, sanitary serv	.00	.00	.00	.00	.00	.00	.04	.04	.06
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.04	.04	.06
Other utilities	.00	.00	.00	.00	.00	.00	.04	.04	.06
Wholesale and retail trade	58.90	66.47	81.81	53.88	52.11	45.17	11.75	9.35	2.78
Wholesale trade	2.49	2.61	1.81	16.11	13.93	13.44	7.52	5.17	1.23
Wholesale, exc misc whisle trade	2.30	2.46	1.81	2.07	2.01	2.00	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	1.38	1.40	1.50	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	.36	.35	.36	.00	.00	.00
Dry goods and apparel	1.53	1.49	1.50	.02	.01	.00	.00	.00	.00
Farm products-raw materials	.76	.96	.31	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.18	.16	.13	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	.11	.07	.00	.00	.00	.00
Miscellaneous wholesale trade	.19	.15	.00	14.04	11.91	11.44	7.52	5.17	1.23
Metals and minerals, other	.00	.00	.00	.12	.07	.02	.00	.00	.00
Scrap and waste material	.00	.00	.00	.04	.04	.02	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.02	.02	.02	.00	.00	.00
Paper and paper products	.00	.00	.00	.04	.03	.03	.07	.07	.08
Lumber, construction materials	.19	.15	.00	13.43	11.42	11.12	6.90	4.61	.92
Other wholesale trade	.00	.00	.00	.37	.30	.20	.54	.49	.22
Retail trade	56.40	63.86	80.00	37.76	38.18	31.73	4.23	4.18	1.55
Building materials	.00	.00	.00	34.91	35.14	28.53	4.23	4.18	1.55
Lumber, building material	.00	.00	.00	34.79	34.97	28.19	4.15	4.09	1.37
Hardware and farm equipment	.00	.00	.00	.12	.16	.34	.07	.09	.18
General merchandise, total	1.69	1.49	.00	.00	.00	.00	.00	.00	.00
Department stores, mail order	1.69	1.49	.00	.00	.00	.00	.00	.00	.00
Food and dairy stores	.00	.00	.00	.02	.01	.00	.00	.00	.00
Food stores, other	.00	.00	.00	.02	.01	.00	.00	.00	.00
Auto dealers, gas stations	.00	.00	.00	1.70	1.93	2.01	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.79	.78	.59	.00	.00	.00
Tire, battery, accessory dealrs	.00	.00	.00	.85	1.08	1.36	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.05	.06	.06	.00	.00	.00
Apparel and accessory stores	54.32	61.89	80.00	.00	.00	.00	.00	.00	.00
Apparel, accessory, except shoes	54.32	61.89	80.00	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.88	.80	.79	.00	.00	.00
Home furnishings	.00	.00	.00	.86	.79	.79	.00	.00	.00
Household appliances, tv, radio	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous retail trade	.38	.46	.00	.24	.30	.38	.00	.00	.00
Misc retail trade stores	.38	.46	.00	.24	.30	.38	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.28	.42	.46	.00	.00	.00
Real estate	.00	.00	.00	.28	.42	.46	.00	.00	.00
Services, total	9.03	6.22	2.18	8.89	9.97	4.39	2.53	2.33	.26
Other personal services	9.03	6.22	2.18	.00	.00	.00	.00	.00	.00
Laundering and cleaning	9.03	6.22	2.18	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.00	.00	.00	.08	.07	.00	2.40	2.22	.26
Business management services	.00	.00	.00	.02	.01	.00	.03	.03	.00
Commercial research, development	.00	.00	.00	.00	.00	.00	.07	.08	.00
Services to buildings	.00	.00	.00	.02	.01	.00	.00	.00	.00
Other business services	.00	.00	.00	.04	.03	.00	2.29	2.10	.26
Automobile services	.00	.00	.00	5.90	6.55	1.91	.00	.00	.00
Automobile repair	.00	.00	.00	5.85	6.50	1.84	.00	.00	.00
Automobile services, exc repair	.00	.00	.00	.05	.05	.06	.00	.00	.00
Other repair services	.00	.00	.00	.44	.55	.30	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.44	.55	.30	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other entertainment	.00	.00	.00	.02	.02	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furriers			Glaziers			Inspectors, log and lumber		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.20	.17	.01	.00	.00	.00
Hospitals	.00	.00	.00	.14	.09	.00	.00	.00	.00
Other health practitioners	.00	.00	.00	.04	.06	.01	.00	.00	.00
Other health services	.00	.00	.00	.01	.00	.00	.00	.00	.00
Educational services	.00	.00	.00	1.88	2.15	1.53	.05	.04	.00
Elementary and secondary school	.00	.00	.00	1.66	1.92	1.29	.05	.04	.00
Colleges and universities	.00	.00	.00	.16	.11	.00	.00	.00	.00
Other educational services	.00	.00	.00	.06	.12	.23	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.01	.01	.02	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.18	.20	.28	.07	.06	.00
Religious organizations	.00	.00	.00	.04	.02	.00	.00	.00	.00
Residential welfare services	.00	.00	.00	.02	.02	.05	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.12	.15	.23	.07	.06	.00
Other professional services	.00	.00	.00	.15	.21	.32	.00	.00	.00
Engineering and architectural	.00	.00	.00	.02	.01	.00	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.13	.19	.32	.00	.00	.00
Government, total	.00	.00	.00	.24	.16	.00	.00	.00	.00
Local public administration	.00	.00	.00	.24	.16	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Inspectors, other			Jewelers and watchmakers			Millers, grain, flour, feed		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.39	.50	.41	.00	.00	.00	.00	.00	.00
Agriculture	.25	.29	.25	.00	.00	.00	.00	.00	.00
Agricultural production	.15	.22	.18	.00	.00	.00	.00	.00	.00
Services,except horticulture	.09	.06	.07	.00	.00	.00	.00	.00	.00
Forestry	.12	.18	.14	.00	.00	.00	.00	.00	.00
Fisheries	.01	.01	.01	.00	.00	.00	.00	.00	.00
Mining	2.43	3.52	4.27	.00	.00	.00	.00	.00	.00
Metal	.26	.22	.14	.00	.00	.00	.00	.00	.00
Coal	.90	1.36	2.15	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.04	1.72	1.83	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.21	.21	.14	.00	.00	.00	.00	.00	.00
Construction	22.27	21.25	24.16	.00	.00	.00	.00	.00	.00
General building contractors	1.04	1.12	1.32	.00	.00	.00	.00	.00	.00
General contractors,exc building	20.47	19.19	21.87	.00	.00	.00	.00	.00	.00
Special trade contractors	.75	.94	.97	.00	.00	.00	.00	.00	.00
Manufacturing	18.23	16.83	17.47	28.87	25.47	32.99	96.87	95.58	97.40
Durable goods	15.40	14.13	14.28	28.82	25.42	32.92	.42	.25	.00
Ordnance	.39	.18	.11	.08	.04	.03	.00	.00	.00
Lumber and wood products	.04	.04	.06	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.04	.04	.06	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.06	.07	.13	.02	.01	.00	.00	.00	.00
Stone,clay,and glass products	.25	.27	.32	.14	.12	.12	.00	.00	.00
Glass and glass products	.04	.04	.05	.06	.06	.09	.00	.00	.00
Cement,concrete,plaster	.05	.05	.03	.00	.00	.00	.00	.00	.00
Pottery and related products	.01	.02	.03	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.12	.14	.20	.08	.06	.02	.00	.00	.00
Primary metal industries	9.00	8.02	7.58	.20	.15	.14	.26	.13	.00
Blast furnaces,steel works	6.31	5.24	4.94	.04	.02	.00	.26	.13	.00
Other primary steel	1.86	1.99	2.09	.05	.05	.09	.00	.00	.00
Primary aluminum	.54	.57	.46	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.28	.21	.08	.09	.07	.05	.00	.00	.00
Fabricated metal products	1.25	1.32	1.70	.06	.09	.20	.08	.05	.00
Cutlery and other hardware	.11	.13	.21	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.64	.80	1.34	.00	.00	.00	.00	.00	.00
Screw machine products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Metal stamping	.15	.11	.03	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.30	.25	.10	.06	.09	.20	.08	.05	.00
Machinery except electrical	.98	.94	.61	.40	.33	.35	.08	.05	.00
Engines and turbines	.11	.10	.03	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.07	.08	.14	.00	.00	.00	.00	.00	.00
Construction machines	.19	.20	.11	.02	.01	.00	.08	.05	.00
Metalworking machinery	.13	.11	.04	.21	.19	.18	.00	.00	.00
Office and accounting machines	.03	.02	.04	.16	.12	.16	.00	.00	.00
Electronic computing equipment	.03	.03	.01	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.40	.37	.20	.00	.00	.00	.00	.00	.00
Electrical machinery	.64	.51	.25	.11	.10	.15	.00	.00	.00
Household appliances	.05	.04	.03	.01	.00	.00	.00	.00	.00
Radio, tv communications equip	.30	.21	.08	.10	.10	.15	.00	.00	.00
Other electrical machinery	.28	.25	.13	.00	.00	.00	.00	.00	.00
Transportation equipment	2.56	2.54	3.34	.04	.03	.08	.00	.00	.00
Motor vehicles and equipment	.57	.72	1.02	.00	.00	.00	.00	.00	.00
Aircraft and parts	.32	.28	.30	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	1.38	1.25	1.89	.04	.03	.08	.00	.00	.00
railroad equipment	.25	.24	.09	.00	.00	.00	.00	.00	.00
Mobile dwellings	.01	.02	.02	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.11	.09	.01	6.50	5.74	8.88	.00	.00	.00
Scientific instruments	.07	.05	.01	.07	.06	.03	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.03	.04	.06	.00	.00	.00
Photo equipment and supplies	.02	.02	.00	.51	.52	.88	.00	.00	.00
Watches and clock devices	.01	.00	.00	5.89	5.11	7.89	.00	.00	.00
Miscellaneous manufacturing	.09	.10	.13	21.22	18.76	22.93	.00	.00	.00
Nondurable goods	2.83	2.69	3.19	.05	.05	.06	96.45	95.32	97.40

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Inspectors, other			Jewelers and watchmakers			Millers, grain, flour, feed		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.61	.64	.87	.00	.00	.00	95.70	94.67	96.81
Meat	.17	.19	.27	.00	.00	.00	.00	.00	.00
Dairy	.09	.09	.11	.00	.00	.00	.22	.15	.12
Canning and preserving	.05	.07	.14	.00	.00	.00	.85	1.01	2.01
Grain mill	.11	.12	.15	.00	.00	.00	92.54	91.42	92.16
Bakery	.01	.01	.01	.00	.00	.00	.00	.00	.00
Confectionery	.02	.02	.03	.00	.00	.00	.00	.00	.00
Beverages	.03	.02	.01	.00	.00	.00	.73	.58	.36
Miscellaneous food preparation	.09	.09	.14	.00	.00	.00	1.34	1.49	2.14
Tobacco manufacturing	.35	.25	.17	.00	.00	.00	.00	.00	.00
Textile mill products	.22	.23	.41	.02	.01	.00	.00	.00	.00
Knitting mills	.04	.04	.06	.00	.00	.00	.00	.00	.00
Dyeing, finishing textiles	.00	.00	.01	.00	.00	.00	.00	.00	.00
Floor coverings	.02	.03	.10	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.12	.11	.16	.02	.01	.00	.00	.00	.00
Miscellaneous textile mill	.02	.03	.07	.00	.00	.00	.00	.00	.00
Apparel and textile products	.25	.26	.36	.00	.00	.00	.00	.00	.00
Apparel and accessories	.23	.24	.29	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated textile	.01	.02	.07	.00	.00	.00	.00	.00	.00
Paper and allied products	.13	.13	.16	.00	.00	.00	.25	.14	.00
Pulp, paper paperboard mills	.06	.05	.04	.00	.00	.00	.25	.14	.00
Paperboard containers, boxes	.04	.05	.10	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.02	.02	.01	.00	.00	.00	.00	.00	.00
Printing and publishing	.05	.05	.05	.00	.00	.00	.00	.00	.00
Newspaper publishing, printing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.04	.04	.05	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.81	.71	.77	.02	.04	.06	.00	.00	.00
Industrial chemicals	.41	.38	.39	.00	.00	.00	.00	.00	.00
Plastics and synthetics	.10	.09	.09	.00	.00	.00	.00	.00	.00
Synthetic fibers	.07	.08	.17	.00	.00	.00	.00	.00	.00
Drugs and medicines	.02	.02	.02	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.03	.02	.00	.00	.00	.00	.00	.00	.00
Paints and varnishes	.01	.01	.01	.02	.04	.06	.00	.00	.00
Agricultural chemicals	.04	.03	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.10	.06	.05	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.21	.21	.16	.00	.00	.00	.00	.00	.00
Petroleum refining	.21	.21	.16	.00	.00	.00	.00	.00	.00
Rubber, miscellaneous plastics	.11	.12	.15	.00	.00	.00	.50	.50	.59
Rubber	.08	.09	.13	.00	.00	.00	.50	.50	.59
Miscellaneous plastics	.02	.03	.02	.00	.00	.00	.00	.00	.00
Leather products	.05	.05	.05	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.01	.01	.01	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.03	.02	.02	.00	.00	.00	.00	.00	.00
All other leather	.01	.01	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	33.37	29.81	27.20	.00	.00	.00	.00	.00	.00
Transportation, total	20.82	17.06	14.34	.00	.00	.00	.00	.00	.00
Railroads and railway express	16.88	12.78	9.09	.00	.00	.00	.00	.00	.00
Local and interurban transit	.87	.66	1.65	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.86	.64	1.63	.00	.00	.00	.00	.00	.00
Taxicab service	.01	.02	.02	.00	.00	.00	.00	.00	.00
Trucking and warehousing	1.67	1.99	1.77	.00	.00	.00	.00	.00	.00
Trucking services	1.47	1.79	1.57	.00	.00	.00	.00	.00	.00
Warehousing and storage	.19	.20	.19	.00	.00	.00	.00	.00	.00
Water transportation	.53	.58	.63	.00	.00	.00	.00	.00	.00
Air transportation	.15	.15	.19	.00	.00	.00	.00	.00	.00
Pipelines	.27	.30	.29	.00	.00	.00	.00	.00	.00
Transportation services	.41	.56	.70	.00	.00	.00	.00	.00	.00
Communicatns, utils, sanitary serv	12.55	12.75	12.85	.00	.00	.00	.00	.00	.00
Communications	1.38	1.48	1.84	.00	.00	.00	.00	.00	.00
Telephone (wire and radio)	1.27	1.39	1.82	.00	.00	.00	.00	.00	.00
Telegraph, misc communicatn serv	.10	.09	.02	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	11.17	11.26	11.00	.00	.00	.00	.00	.00	.00
Electric light and power	1.29	1.41	.87	.00	.00	.00	.00	.00	.00
Electric-gas utilities	2.75	2.23	1.11	.00	.00	.00	.00	.00	.00
Gas steam supply systems	2.70	2.66	2.99	.00	.00	.00	.00	.00	.00
Water supply	1.95	2.08	2.24	.00	.00	.00	.00	.00	.00
Sanitary services	2.42	2.83	3.72	.00	.00	.00	.00	.00	.00
Other utilities	.03	.03	.04	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	7.84	8.97	7.93	53.77	54.09	52.78	3.12	4.41	2.59
Wholesale trade	0.18	7.12	6.33	9.77	8.80	9.39	2.69	3.84	2.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Inspectors, other			Jewelers and watchmakers			Millers, grain, flour, feed		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	5.00	5.98	5.56	1.34	1.64	2.59	2.69	3.84	2.13
Motor vehicles and equipment	.51	.63	.77	.04	.06	.13	.00	.00	.00
Drugs, chemicals, allied product	.27	.30	.32	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.74	.74	.87	.00	.00	.00	.00	.00	.00
Food and related products	.82	.88	.80	.00	.00	.00	.00	.00	.00
Farm products-raw materials	1.12	1.60	.84	.00	.00	.00	2.63	3.79	2.13
Electrical goods	.72	.76	.71	.12	.10	.08	.00	.00	.00
Hardware and plumbing	.07	.08	.07	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.71	.96	1.16	1.18	1.47	2.37	.05	.05	.00
Miscellaneous wholesale trade	1.17	1.14	.77	8.43	7.16	6.79	.00	.00	.00
Metals and minerals, other	.26	.22	.12	.02	.02	.04	.00	.00	.00
Petroleum products	.19	.22	.27	.00	.00	.00	.00	.00	.00
Scrap and waste material	.10	.11	.03	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.04	.05	.02	.00	.00	.00	.00	.00	.00
Paper and paper products	.04	.04	.03	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.09	.08	.05	.03	.03	.05	.00	.00	.00
Other wholesale trade	.43	.40	.21	8.37	7.10	6.70	.00	.00	.00
Retail trade	1.06	1.84	1.59	43.99	45.28	43.38	.43	.57	.46
Building materials	.03	.06	.14	.00	.00	.00	.00	.00	.00
Lumber, building material	.02	.03	.03	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.01	.02	.11	.00	.00	.00	.00	.00	.00
General merchandise, total	.72	.75	.56	2.97	2.79	3.52	.00	.00	.00
Department stores, mail order	.67	.70	.48	2.18	2.16	2.59	.00	.00	.00
Limited price stores	.00	.00	.00	.10	.11	.30	.00	.00	.00
Miscellaneous merchandise store	.04	.04	.08	.69	.51	.63	.00	.00	.00
Food and dairy stores	.27	.27	.14	.01	.01	.04	.00	.00	.00
Grocery stores	.24	.22	.10	.00	.00	.00	.00	.00	.00
Food stores, cther	.03	.04	.03	.01	.01	.04	.00	.00	.00
Auto dealers, gas stations	.12	.16	.18	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.04	.05	.06	.00	.00	.00	.00	.00	.00
Tire, battery, accessory dealers	.01	.02	.02	.00	.00	.00	.00	.00	.00
Gasoline service stations	.03	.05	.06	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.02	.03	.03	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.19	.18	.14	.03	.02	.00	.00	.00	.00
Apparel, accessory, except shoes	.16	.14	.03	.03	.02	.00	.00	.00	.00
Shoe stores	.02	.03	.10	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.09	.12	.17	.08	.15	.48	.00	.00	.00
Home furnishings	.05	.06	.08	.05	.10	.40	.00	.00	.00
Household appliances, tv, radio	.04	.06	.09	.03	.04	.08	.00	.00	.00
Eating and drinking places	.06	.08	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.15	.20	.24	40.88	42.29	39.33	.43	.57	.46
Drug stores	.00	.00	.00	.10	.11	.29	.00	.00	.00
Liquor stores	.01	.01	.03	.00	.00	.00	.00	.00	.00
Farm, garden supply stores	.03	.04	.03	.00	.00	.00	.43	.57	.46
Jewelry stores	.02	.02	.01	39.95	41.13	37.81	.00	.00	.00
Fuel and ice dealers	.01	.01	.00	.00	.00	.00	.00	.00	.00
Retail florists	.01	.01	.04	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.06	.08	.11	.82	1.04	1.21	.00	.00	.00
Finance, insurance and real estate	3.24	3.14	2.85	.00	.00	.00	.00	.00	.00
Finance, total	.39	.38	.22	.00	.00	.00	.00	.00	.00
Banking	.08	.09	.13	.00	.00	.00	.00	.00	.00
Credit agencies	.19	.19	.04	.00	.00	.00	.00	.00	.00
Stock brokers, investment cos	.12	.09	.04	.00	.00	.00	.00	.00	.00
Insurance	2.46	2.11	2.00	.00	.00	.00	.00	.00	.00
Real estate	.38	.64	.63	.00	.00	.00	.00	.00	.00
Services, total	12.19	15.96	15.67	16.98	20.09	13.74	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Inspectors, other			Jewelers and watchmakers			Millers, grain, flour, feed		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.37	.54	.55	.00	.00	.00	.00	.00	.00
Hotels and motels	.37	.53	.55	.00	.00	.00	.00	.00	.00
Other personal services	.46	.40	.48	.00	.00	.00	.00	.00	.00
Laundering and cleaning	.45	.37	.43	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.02	.05	.00	.00	.00	.00	.00	.00
Miscellaneous business services	3.36	4.46	3.74	.55	.70	1.71	.00	.00	.00
Advertising	.02	.02	.02	.00	.00	.00	.00	.00	.00
Business management services	.11	.12	.08	.00	.00	.00	.00	.00	.00
Commercial research,development	.82	1.06	1.19	.01	.02	.05	.00	.00	.00
Computer programing	.03	.04	.05	.00	.00	.00	.00	.00	.00
Detective and protective serv	.30	.59	.95	.34	.44	1.43	.00	.00	.00
Services to buildings	.20	.16	.02	.00	.00	.00	.00	.00	.00
Other business services	1.85	2.44	1.41	.19	.23	.22	.00	.00	.00
Automobile services	.04	.07	.09	.00	.00	.00	.00	.00	.00
Automobile repair	.01	.04	.07	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.03	.02	.01	.00	.00	.00	.00	.00	.00
Other repair services	.10	.14	.07	16.18	19.16	12.01	.00	.00	.00
Electrical repair	.01	.01	.01	.17	.11	.02	.00	.00	.00
Other repair,exc electrical	.09	.13	.06	16.01	19.05	11.98	.00	.00	.00
Motion pictures and theaters	.03	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.03	.06	.09	.00	.00	.00	.00	.00	.00
Other entertainment	.03	.06	.09	.00	.00	.00	.00	.00	.00
Medical and other health service	3.94	5.09	6.79	.04	.05	.00	.00	.00	.00
Hospitals	.25	.29	.40	.02	.01	.00	.00	.00	.00
Convalescent institutions	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other health services	3.67	4.78	6.38	.02	.04	.00	.00	.00	.00
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	1.10	1.38	1.11	.10	.07	.00	.00	.00	.00
Elementary and secondary scnool	.52	.79	.83	.08	.06	.00	.00	.00	.00
Colleges and universities	.50	.51	.25	.00	.00	.00	.00	.00	.00
Other educational services	.07	.08	.02	.01	.01	.00	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.01	.01	.01	.02	.00	.00	.00
Nonprofit organizations	.32	.29	.18	.02	.02	.00	.00	.00	.00
Religious organizations	.02	.04	.08	.01	.01	.00	.00	.00	.00
Welfare services	.10	.09	.04	.00	.00	.00	.00	.00	.00
Residential welfare services	.00	.00	.01	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.18	.15	.03	.01	.01	.00	.00	.00	.00
Private househclds	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other professional services	2.36	3.42	2.51	.05	.05	.00	.00	.00	.00
Engineering and architectural	2.22	3.25	2.41	.03	.02	.00	.00	.00	.00
Accounting and auditing	.01	.03	.03	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.12	.13	.06	.01	.02	.00	.00	.00	.00
Government,total	.00	.00	.00	.37	.33	.48	.00	.00	.00
Federal public administration	.00	.00	.00	.37	.33	.48	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	.37	.33	.48	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Motion picture projectnistr			Opticians, lens grindr and polishr			Piano,organ tuners, repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	.48	.48	.13	37.78	34.31	29.90	9.84	7.53	10.13
Durable goods	.48	.48	.13	37.60	34.20	29.82	9.84	7.53	10.13
Ordnance	.00	.00	.00	.25	.07	.02	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.35	.20	.00
Stone,clay,and glass products	.05	.04	.00	1.80	1.66	2.03	.00	.00	.00
Glass and glass products	.05	.04	.00	1.78	1.65	2.01	.00	.00	.00
Pottery and related products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Primary metal industries	.13	.10	.00	.18	.10	.07	.00	.00	.00
Blast furnaces,steel works	.10	.08	.00	.07	.03	.00	.00	.00	.00
Other primary steel	.00	.00	.00	.10	.07	.07	.00	.00	.00
Other primary nonferrous	.03	.02	.00	.00	.00	.00	.00	.00	.00
Fabricated metal products	.04	.03	.00	.02	.01	.00	.00	.00	.00
Miscellaneous fabricated metal	.04	.03	.00	.02	.01	.00	.00	.00	.00
Machinery except electrical	.11	.10	.00	.21	.19	.23	.00	.00	.00
Metalworking machinery	.08	.08	.00	.04	.02	.00	.00	.00	.00
Electronic computing equipment	.03	.02	.00	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.17	.17	.23	.00	.00	.00
Electrical machinery	.00	.00	.00	.80	.54	.49	.00	.00	.00
Household appliances	.00	.00	.00	.01	.00	.00	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.48	.23	.08	.00	.00	.00
Other electrical machinery	.00	.00	.00	.31	.30	.41	.00	.00	.00
Transportation equipment	.00	.00	.00	.40	.28	.42	.00	.00	.00
Aircraft and parts	.00	.00	.00	.16	.15	.19	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.22	.12	.23	.00	.00	.00
Mobile dwellings	.00	.00	.00	.01	.00	.00	.00	.00	.00
Professional,scientific instrs	.08	.13	.13	33.69	31.13	26.32	.00	.00	.00
Scientific instruments	.00	.00	.00	2.00	1.54	1.28	.00	.00	.00
Optical,health serv supplies	.05	.10	.13	29.82	28.00	23.15	.00	.00	.00
Photo equipment and supplies	.03	.02	.00	1.87	1.58	1.88	.00	.00	.00
Miscellaneous manufacturing	.05	.04	.00	.22	.19	.22	9.48	7.33	10.13
Nondurable goods	.00	.00	.00	.17	.10	.08	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.17	.10	.08	.00	.00	.00
Industrial chemicals	.00	.00	.00	.13	.08	.07	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.04	.02	.01	.00	.00	.00
Transportation, other public util	.10	.12	.00	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.10	.12	.00	.00	.00	.00	.00	.00	.00
Communications	.10	.12	.00	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.03	.04	.00	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.06	.08	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	.47	.56	.22	53.45	54.35	55.33	19.48	17.70	19.17
Wholesale trade	.36	.44	.22	22.12	21.09	19.69	.54	.70	1.92
Wholesale,exc misc whlsle trade	.21	.30	.22	21.78	20.87	19.57	.11	.07	.00
Motor vehicles and equipment	.00	.00	.00	.04	.02	.00	.00	.00	.00
Dry goods and apparel	.05	.12	.22	.00	.00	.00	.00	.00	.00
Food and related products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Machinery equipment,supplies	.12	.15	.00	21.72	20.83	19.57	.11	.07	.00
Miscellaneous wholesale trade	.14	.13	.00	.34	.22	.11	.42	.62	1.92
Metals and minerals, other	.00	.00	.00	.07	.04	.02	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.02	.01	.00	.00	.00	.00
Other wholesale trade	.14	.13	.00	.24	.16	.08	.42	.62	1.92

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Motion picture projectnlist			Opticians, lens grindr and polishr			Piano,organ tuners, repairers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.11	.11	.00	31.32	33.26	35.63	18.94	17.00	17.25
General merchandise,total	.00	.00	.00	.66	.35	.26	.00	.00	.00
Department stores,mail order	.00	.00	.00	.27	.15	.00	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.38	.20	.26	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.01	.00	.00	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.01	.00	.00	.00	.00	.00
Furniture and appliance stores	.06	.05	.00	.01	.00	.00	18.42	16.38	15.86
Home furnishings	.06	.05	.00	.00	.00	.00	.07	.03	.00
Household appliances,tv,radio	.00	.00	.00	.01	.00	.00	18.35	16.35	15.86
Eating and drinking places	.05	.06	.00	.01	.01	.00	.14	.10	.00
Miscellaneous retail trade	.00	.00	.00	30.61	32.87	35.36	.37	.51	1.38
Drug stores	.00	.00	.00	.06	.03	.00	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.06	.03	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.14	.09	.01	.00	.00	.00
Misc retail trade stores	.00	.00	.00	30.33	32.71	35.35	.37	.51	1.38
Finance,insurance and real estate	.16	.19	.00	.00	.00	.00	.00	.00	.00
Real estate	.16	.19	.00	.00	.00	.00	.00	.00	.00
Services, total	97.78	97.38	98.62	8.21	10.95	14.40	70.67	74.76	70.69
Hotels and lodging place	.05	.05	.00	.00	.00	.00	.00	.00	.00
Hotels and motels	.05	.05	.00	.00	.00	.00	.00	.00	.00
Other personal services	.00	.00	.00	.00	.00	.00	.05	.02	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.05	.02	.00
Miscellaneous business services	.47	.89	.89	.16	.13	.04	.18	.12	.00
Advertising	.18	.26	.21	.00	.00	.00	.00	.00	.00
Business management services	.03	.04	.00	.00	.00	.00	.00	.00	.00
Commercial research,development	.03	.07	.12	.07	.04	.00	.00	.00	.00
Computer programing	.00	.00	.00	.06	.05	.04	.00	.00	.00
Other business services	.22	.50	.56	.03	.02	.00	.18	.12	.00
Other repair services	.00	.00	.00	.14	.13	.03	66.74	72.20	67.36
Other repair,exc electrical	.00	.00	.00	.14	.13	.03	66.74	72.20	67.36
Motion pictures and theaters	93.62	89.07	91.06	.01	.00	.00	.50	.32	.78
Miscellaneous entertainment	.39	.89	.26	.03	.02	.00	.07	.02	.00
Other entertainment	.39	.89	.26	.03	.02	.00	.07	.02	.00
Medical and other health service	.72	.86	.00	7.53	10.41	14.25	.00	.00	.00
Offices of physicians	.00	.00	.00	2.67	2.17	1.59	.00	.00	.00
Offices of dentists	.00	.00	.00	.01	.01	.00	.00	.00	.00
Hospitals	.66	.77	.00	.64	.96	2.46	.00	.00	.00
Other health practitioners	.00	.00	.00	3.74	6.34	9.75	.00	.00	.00
Other health services	.05	.09	.00	.44	.91	.43	.00	.00	.00
Educational services	1.58	4.10	4.88	.16	.09	.00	1.70	1.16	.68
Elementary and secondary school	.54	.60	.00	.03	.02	.00	.61	.40	.00
Colleges and universities	.72	3.01	4.53	.12	.07	.00	.54	.30	.00
Libraries	.09	.13	.08	.00	.00	.00	.00	.00	.00
Other educational services	.22	.34	.26	.00	.00	.00	.54	.46	.68
Museums,art galleries,zoos	.05	.07	.02	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.73	1.18	1.22	.01	.00	.00	.08	.05	.00
Religious organizations	.16	.20	.00	.00	.00	.00	.08	.05	.00
Welfare services	.18	.27	.48	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztas	.38	.70	.74	.01	.00	.00	.00	.00	.00
Private housechlds	.00	.00	.00	.00	.00	.00	1.32	.85	1.86
Other professional services	.14	.25	.25	.15	.14	.07	.00	.00	.00
Miscellaneous professional serv	.14	.25	.25	.15	.14	.07	.00	.00	.00
Government,total	1.00	1.25	1.01	.54	.38	.35	.00	.00	.00
Federal public administration	.93	1.17	1.01	.54	.38	.35	.00	.00	.00
Federal pub adm,exc post office	.93	1.17	1.01	.54	.38	.35	.00	.00	.00
State public administration	.06	.08	.00	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shipfitters			Shoe repairers			Sign painters, letterers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.05	.06	.02
Agriculture	.00	.00	.00	.00	.00	.00	.02	.02	.00
Horticultural services	.00	.00	.00	.00	.00	.00	.02	.02	.00
Forestry	.00	.00	.00	.00	.00	.00	.02	.04	.02
Construction	.20	.23	.00	.01	.01	.00	5.14	5.42	8.30
General building contractors	.20	.23	.00	.00	.00	.00	.11	.07	.00
General contractors,exc building	.00	.00	.00	.00	.00	.00	5.03	5.35	8.30
Special trade contractors	.00	.00	.00	.01	.01	.00	.00	.00	.00
Manufacturing	96.03	96.38	98.06	27.37	11.25	13.21	15.25	9.87	3.86
Durable goods	95.12	95.52	97.06	.45	.24	.41	10.77	6.68	2.38
Ordnance	.00	.00	.00	.00	.00	.00	.17	.05	.00
Furniture and fixtures	.05	.04	.00	.00	.00	.00	.03	.02	.00
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	.13	.11	.04
Glass and glass products	.00	.00	.00	.00	.00	.00	.03	.02	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.10	.08	.04
Primary metal industries	.43	.51	1.22	.00	.00	.00	.27	.16	.00
Blast furnaces,steel works	.39	.47	1.22	.00	.00	.00	.12	.06	.00
Other primary steel	.00	.00	.00	.00	.00	.00	.05	.03	.00
Primary aluminum	.00	.00	.00	.00	.00	.00	.03	.02	.00
Other primary nonferrous	.04	.03	.00	.00	.00	.00	.06	.04	.00
Fabricated metal products	1.11	1.15	1.00	.01	.00	.00	.53	.67	1.17
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.04	.05	.08
Fabricated structural metal	1.06	1.11	1.00	.00	.00	.00	.12	.21	.58
Metal stamping	.00	.00	.00	.01	.00	.00	.13	.11	.08
Miscellaneous fabricated metal	.05	.04	.00	.00	.00	.00	.24	.29	.41
Machinery except electrical	.32	.28	.00	.00	.00	.00	.21	.20	.16
Construction machines	.18	.16	.00	.00	.00	.00	.11	.13	.16
Metalworking machinery	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other machinery,exc electrical	.14	.11	.00	.00	.00	.00	.07	.05	.00
Transportation equipment	92.77	93.10	94.33	.00	.00	.00	1.26	.97	.61
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.36	.39	.35
Aircraft and parts	.40	.52	1.19	.00	.00	.00	.41	.29	.15
Ship,boat building and repair	92.13	92.26	92.68	.00	.00	.00	.42	.23	.07
Railroad equipment	.17	.23	.38	.00	.00	.00	.02	.02	.02
Mobile dwellings	.00	.00	.00	.00	.00	.00	.04	.02	.00
Cycles,misc transportation	.05	.07	.06	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.02	.02	.19	.02	.02	.00
Optical,health serv supplies	.00	.00	.00	.02	.02	.19	.02	.02	.00
Miscellaneous manufacturing	.41	.42	.51	.41	.20	.21	8.12	4.44	.38
Nondurable goods	.90	.86	1.00	26.92	11.01	12.80	4.48	3.18	1.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shipfitters			Shoe repairers			Sign painters, letterers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.09	.05	.00	.03	.01	.00	1.58	.85	.14
Meat	.00	.00	.00	.00	.00	.00	.06	.03	.00
Dairy	.00	.00	.00	.00	.00	.00	.07	.05	.06
Bakery	.00	.00	.00	.00	.00	.00	.03	.02	.00
Confectionery	.04	.02	.00	.00	.00	.00	.00	.00	.00
Beverages	.04	.02	.00	.03	.01	.00	1.37	.71	.08
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.04	.02	.00
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.03	.02	.00
Textile mill products	.00	.00	.00	.00	.00	.00	.13	.07	.00
Floor coverings	.00	.00	.00	.00	.00	.00	.02	.01	.00
Yarn and fabric mills	.00	.00	.00	.60	.00	.00	.10	.05	.00
Apparel and textile products	.00	.00	.00	.10	.04	.00	.38	.29	.05
Apparel and accessories	.00	.00	.00	.10	.04	.00	.19	.13	.00
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.18	.15	.05
Paper and allied products	.13	.09	.00	.00	.00	.00	.29	.18	.00
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.11	.07	.00
Paperboard containers,boxes	.13	.09	.00	.00	.00	.00	.18	.11	.00
Printing and publishing	.60	.66	1.00	.00	.00	.00	1.17	1.16	1.14
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.09	.06	.00
Other printing,exc newspapers	.60	.66	1.00	.00	.00	.00	1.08	1.10	1.14
Chemicals and allied products	.07	.05	.00	.00	.00	.00	.47	.30	.13
Industrial chemicals	.07	.05	.00	.00	.00	.00	.23	.16	.13
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.10	.06	.00
Paints and varnishes	.00	.00	.00	.00	.00	.00	.06	.04	.00
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.08	.03	.00
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.04	.02	.00
Petroleum refining	.00	.00	.00	.00	.00	.00	.04	.02	.00
Rubber,miscellaneous plastics	.00	.00	.00	1.88	.96	1.79	.25	.21	.00
Rubber	.00	.00	.00	1.88	.96	1.79	.09	.05	.00
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.16	.16	.00
Leather products	.00	.00	.00	24.89	9.99	11.00	.11	.05	.00
Leather tanning and finishing	.00	.00	.00	.03	.01	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	24.86	9.97	11.00	.11	.05	.00
Transportation, other public util	.65	.57	.00	.00	.00	.00	.87	.63	.38
Transportation,total	.65	.57	.00	.00	.00	.00	.65	.47	.38
Railroads and railway express	.00	.00	.00	.00	.00	.00	.28	.15	.00
Local and interurban transit	.00	.00	.00	.00	.00	.00	.15	.13	.38
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.13	.11	.38
Taxicab service	.00	.00	.00	.00	.00	.00	.02	.02	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.22	.18	.00
Trucking services	.00	.00	.00	.00	.00	.00	.22	.18	.00
Water transportation	.65	.57	.00	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	.21	.16	.00
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.21	.16	.00
Sanitary services	.00	.00	.00	.00	.00	.00	.21	.16	.00
Wholesale and retail trade	.14	.15	.00	6.99	3.97	7.34	9.47	10.96	15.37
Wholesale trade	.14	.15	.00	.79	.35	.29	.95	.98	.88
Wholesale,exc misc whlsle trade	.10	.10	.00	.79	.35	.29	.77	.84	.88
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.04	.03	.00
Dry goods and apparel	.00	.00	.00	.79	.35	.29	.00	.00	.00
Food and related products	.00	.00	.00	.00	.00	.00	.40	.37	.21
Electrical goods	.00	.00	.00	.00	.00	.00	.07	.05	.00
Machinery equipment,supplies	.10	.10	.00	.00	.00	.00	.25	.38	.67
Miscellaneous wholesale trade	.04	.05	.00	.00	.00	.00	.17	.13	.00
Petroleum products	.00	.00	.00	.00	.00	.00	.03	.02	.00
Scrap and waste material	.04	.05	.00	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.03	.02	.00
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other wholesale trade	.00	.00	.00	.00	.00	.00	.09	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shipfitters			Shoe repairers			Sign painters, letterers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	6.19	3.61	7.05	8.52	9.97	14.48
Building materials	.00	.00	.00	.00	.00	.00	.24	.27	.31
Lumber,building material	.00	.00	.00	.00	.00	.00	.16	.19	.18
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.08	.08	.13
General merchandise,total	.00	.00	.00	1.14	.85	3.43	4.62	5.81	10.22
Department stores,mail order	.00	.00	.00	.99	.74	2.86	3.87	5.22	9.49
Limited price stores	.00	.00	.00	.08	.05	.21	.47	.28	.07
Vending machine operators	.00	.00	.00	.00	.00	.00	.04	.02	.00
Miscellaneous merchadise store	.00	.00	.00	.07	.05	.35	.24	.27	.65
Food and dairy stores	.00	.00	.00	.00	.00	.00	1.69	2.13	3.01
Grocery stores	.00	.00	.00	.00	.00	.00	1.58	2.01	2.95
Dairy products	.00	.00	.00	.00	.00	.00	.04	.03	.01
Food stores,cther	.00	.00	.00	.00	.00	.00	.07	.08	.05
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.28	.21	.15
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.08	.05	.00
Tire,battery,accessory dealrns	.00	.00	.00	.00	.00	.00	.08	.09	.15
Gasoline service stations	.00	.00	.00	.00	.00	.00	.11	.05	.00
Apparel and accessory stores	.00	.00	.00	4.71	2.45	2.53	.39	.31	.00
Apparel,accessory,except shoes	.00	.00	.00	.17	.09	.00	.33	.27	.00
Shoe stores	.00	.00	.00	4.54	2.35	2.53	.06	.04	.00
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.12	.09	.00
Home furnishings	.00	.00	.00	.00	.00	.00	.08	.06	.00
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.03	.02	.00
Eating and drinking places	.00	.00	.00	.00	.00	.00	.07	.07	.00
Miscellaneous retail trade	.00	.00	.00	.32	.30	1.08	1.10	1.05	.77
Drug stores	.00	.00	.00	.00	.00	.00	.74	.66	.46
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.02	.01	.00
Jewelry stores	.00	.00	.00	.00	.00	.00	.07	.04	.00
Misc retail trade stores	.00	.00	.00	.32	.30	1.08	.25	.33	.31
Services, total	.10	.16	.00	65.52	84.70	79.44	64.11	68.83	70.02
Hotels and lodging place	.00	.00	.00	.03	.02	.00	.09	.08	.00
Hotels and motels	.00	.00	.00	.03	.02	.00	.06	.06	.00
Other lodging places	.00	.00	.00	.00	.00	.00	.03	.02	.00
Other personal services	.00	.00	.00	64.81	84.18	78.29	.22	.23	.11
Laundering and cleaning	.00	.00	.00	.01	.00	.00	.12	.06	.00
Barber shops	.00	.00	.00	.11	.40	.08	.00	.00	.00
Shoe repair shops	.00	.00	.00	64.49	83.57	77.84	.00	.00	.00
Misc personal services	.00	.00	.00	.19	.20	.37	.09	.16	.11
Miscellaneous tusiness services	.00	.00	.00	.00	.00	.00	60.87	65.49	68.09
Advertising	.00	.00	.00	.00	.00	.00	9.13	7.75	4.65
Business management services	.00	.00	.00	.00	.00	.00	.09	.12	.14
Commercial research,development	.00	.00	.00	.00	.00	.00	.04	.03	.00
Services to buildings	.00	.00	.00	.00	.00	.00	.03	.02	.00
Other business services	.00	.00	.00	.00	.00	.00	51.57	57.54	63.28
Automobile services	.00	.00	.00	.00	.00	.00	.32	.44	.53
Automobile repair	.00	.00	.00	.00	.00	.00	.16	.23	.14
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.16	.21	.38
Other repair services	.05	.08	.00	.00	.00	.00	.27	.30	.07
Electrical repair	.00	.00	.00	.00	.00	.00	.02	.01	.00
Other repair,exc electrical	.05	.08	.00	.00	.00	.00	.24	.29	.07
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.41	.20	.00
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.28	.35	.00
Bowling alleys,billiards	.00	.00	.00	.00	.00	.00	.06	.05	.00
Other entertainment	.00	.00	.00	.00	.00	.00	.22	.30	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shipfitters			Shoe repairers			Sign painters, letterers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.40	.25	.00	.42	.40	.00
Hospitals	.00	.00	.00	.35	.21	.00	.37	.31	.00
Convalescent institutions	.00	.00	.00	.04	.03	.00	.00	.00	.00
Other health services	.00	.00	.00	.00	.00	.00	.04	.08	.00
Educational services	.00	.00	.00	.06	.08	.40	.92	1.03	1.18
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.10	.07	.00
Colleges and universities	.00	.00	.00	.00	.00	.00	.82	.96	1.18
Other educational services	.00	.00	.00	.06	.08	.40	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.00	.00	.00	.02	.03	.03
Nonprofit organizations	.00	.00	.00	.21	.15	.74	.14	.09	.00
Religious organizations	.00	.00	.00	.03	.02	.00	.03	.02	.00
Welfare services	.00	.00	.00	.16	.11	.57	.07	.05	.00
Residential welfare services	.00	.00	.00	.01	.01	.16	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.03	.02	.00
Private households	.00	.00	.00	.00	.00	.00	.10	.10	.00
Other professional services	.04	.08	.00	.00	.00	.00	.03	.03	.00
Miscellaneous professional serv	.04	.08	.00	.00	.00	.00	.03	.03	.00
Government, total	2.85	2.47	1.93	.09	.05	.00	5.09	4.20	2.02
Federal public administration	2.73	2.34	1.93	.00	.00	.00	1.80	1.77	1.79
Postal services	.00	.00	.00	.00	.00	.00	.28	.37	.34
Federal pub adm, exc post office	2.73	2.34	1.93	.00	.00	.00	1.52	1.39	1.44
State public administration	.11	.12	.00	.09	.05	.00	.28	.26	.00
Local public administration	.00	.00	.00	.00	.00	.00	3.00	2.16	.23

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stationary engineers			Stone cutters, carvers			Tailors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.12	.31	.38	.00	.00	.00	.00	.00	.00
Agriculture	.08	.26	.36	.00	.00	.00	.00	.00	.00
Agricultural production	.05	.24	.35	.00	.00	.00	.00	.00	.00
Services,except horticulture	.02	.02	.01	.00	.00	.00	.00	.00	.00
Forestry	.01	.01	.00	.00	.00	.00	.00	.00	.00
Fisheries	.02	.02	.01	.00	.00	.00	.00	.00	.00
Mining	10.26	12.10	5.72	8.01	6.67	3.35	.00	.00	.00
Metal	.29	.24	.14	.00	.00	.00	.00	.00	.00
Coal	.95	1.26	1.52	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	8.49	10.12	3.76	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.51	.47	.28	8.01	6.67	3.35	.00	.00	.00
Construction	2.48	2.01	.63	3.70	3.81	3.09	.00	.00	.00
General building contractors	.37	.30	.11	.32	.31	.00	.00	.00	.00
General contractors,exc building	1.31	.99	.27	.57	.41	.00	.00	.00	.00
Special trade contractors	.80	.72	.23	2.80	3.08	3.09	.00	.00	.00
Manufacturing	28.82	21.67	13.52	65.31	64.47	77.09	55.00	53.09	57.52
Durable goods	12.81	9.25	5.12	65.31	64.47	77.09	1.58	1.93	2.61
Ordnance	.42	.19	.12	.00	.00	.00	.03	.04	.11
Lumber and wood products	.40	.32	.31	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.26	.22	.23	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.12	.09	.07	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.19	.13	.02	.25	.18	.00	1.13	1.35	1.71
Stone,clay,and glass products	.93	.72	.27	63.77	62.82	73.84	.04	.05	.04
Glass and glass products	.17	.13	.05	.27	.39	1.15	.01	.02	.02
Cement,concrete,plaster	.45	.35	.12	1.91	1.73	1.49	.00	.00	.00
Structural clay products	.03	.02	.00	.38	.25	.11	.00	.00	.00
Pottery and related products	.03	.03	.04	.07	.07	.12	.00	.00	.00
Miscellaneous nonmetallic,stone	.23	.17	.04	61.12	60.37	70.97	.02	.02	.01
Primary metal industries	3.13	2.11	.99	.34	.18	.00	.00	.00	.00
Blast furnaces,steel works	2.00	1.40	.80	.34	.18	.00	.00	.00	.00
Other primary steel	.42	.31	.14	.00	.00	.00	.00	.00	.00
Primary aluminum	.24	.16	.02	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.46	.23	.01	.00	.00	.00	.00	.00	.00
Fabricated metal products	1.11	.66	.09	.35	.48	1.17	.02	.02	.00
Cutlery and other hardware	.13	.10	.03	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.39	.22	.02	.00	.00	.00	.00	.00	.00
Screw machine products	.05	.03	.00	.00	.00	.00	.00	.00	.00
Metal stamping	.20	.12	.02	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.33	.18	.01	.35	.48	1.17	.02	.02	.00
Machinery except electrical	1.89	1.51	.55	.00	.00	.00	.00	.00	.00
Engines and turbines	.21	.18	.05	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.17	.12	.03	.00	.00	.00	.00	.00	.00
Construction machines	.28	.26	.13	.00	.00	.00	.00	.00	.00
Metalworking machinery	.26	.16	.02	.00	.00	.00	.00	.00	.00
Office and accounting machines	.05	.02	.00	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.29	.26	.13	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.62	.49	.18	.00	.00	.00	.00	.00	.00
Electrical machinery	1.82	1.54	1.47	.00	.00	.00	.01	.02	.02
Household appliances	.18	.16	.17	.00	.00	.00	.01	.02	.02
Radio,tv communications equip	.82	.61	.67	.00	.00	.00	.00	.00	.00
Other electrical machinery	.82	.76	.62	.00	.00	.00	.00	.00	.00
Transportation equipment	2.06	1.45	1.06	.00	.00	.00	.02	.04	.10
Motor vehicles and equipment	.75	.46	.40	.00	.00	.00	.00	.00	.00
Aircraft and parts	.83	.65	.54	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.38	.25	.06	.00	.00	.00	.02	.04	.10
Railroad equipment	.05	.06	.04	.00	.00	.00	.00	.00	.00
Mobile dwellings	.01	.01	.01	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.02	.01	.00	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.52	.39	.14	.24	.24	.28	.06	.10	.17
Scientific instruments	.15	.10	.02	.24	.24	.28	.01	.00	.00
Optical,health serv supplies	.11	.07	.00	.00	.00	.00	.05	.10	.17
Photo equipment and supplies	.23	.20	.11	.00	.00	.00	.00	.00	.00
Watches and clock devices	.02	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.29	.20	.06	.34	.54	1.78	.21	.27	.42
Nondurable goods	16.01	12.41	8.40	.00	.00	.00	53.42	51.16	54.91

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stationary engineers			Stone cutters, carvers			Tailors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	5.15	3.95	2.85	.00	.00	.00	.00	.00	.00
Meat	.69	.57	.32	.00	.00	.00	.00	.00	.00
Dairy	1.06	.71	.46	.00	.00	.00	.00	.00	.00
Canning and preserving	.61	.59	.79	.00	.00	.00	.00	.00	.00
Grain mill	.24	.20	.12	.00	.00	.00	.00	.00	.00
Bakery	.60	.48	.47	.00	.00	.00	.00	.00	.00
Confectionery	.17	.12	.06	.00	.00	.00	.00	.00	.00
Beverages	.88	.68	.43	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.87	.57	.16	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.08	.07	.08	.00	.00	.00	.00	.00	.00
Textile mill products	.72	.54	.44	.00	.00	.00	2.92	2.60	2.34
Knitting mills	.05	.03	.00	.00	.00	.00	1.29	1.02	.48
Dyeing,finishing textiles	.13	.11	.12	.00	.00	.00	.22	.17	.05
Floor coverings	.03	.02	.00	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.39	.30	.27	.00	.00	.00	1.30	1.28	1.50
Miscellaneous textile mill	.09	.06	.04	.00	.00	.00	.09	.13	.30
Apparel and textile products	.20	.13	.03	.00	.00	.00	50.13	48.17	52.08
Apparel and accessories	.16	.10	.02	.00	.00	.00	49.09	46.58	50.01
Miscellaneous fabricated textile	.03	.02	.00	.00	.00	.00	1.04	1.58	2.07
Paper and allied products	2.06	1.62	1.36	.00	.00	.00	.04	.05	.06
Pulp,paper paperboard mills	1.55	1.21	1.04	.00	.00	.00	.02	.02	.03
Paperboard containers,boxes	.27	.20	.16	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.23	.20	.15	.00	.00	.00	.01	.02	.03
Printing and publishing	.40	.31	.15	.00	.00	.00	.03	.02	.00
Newspaper publishing, printing	.13	.12	.09	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.27	.19	.05	.00	.00	.00	.03	.02	.00
Chemicals and allied products	4.26	2.95	1.54	.00	.00	.00	.07	.08	.18
Industrial chemicals	2.25	1.47	.43	.00	.00	.00	.01	.01	.00
Plastics and synthetics	.36	.26	.18	.00	.00	.00	.00	.00	.00
Synthetic filters	.34	.22	.07	.00	.00	.00	.05	.07	.18
Drugs and medicines	.26	.24	.12	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.27	.24	.28	.00	.00	.00	.00	.00	.00
Paints and varnishes	.09	.09	.11	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.22	.23	.30	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.44	.16	.01	.00	.00	.00	.00	.00	.00
Petroleum and coal products	2.32	1.98	.96	.00	.00	.00	.00	.00	.00
Petroleum refining	2.20	1.88	.91	.00	.00	.00	.00	.00	.00
Misc petroleum,coal products	.12	.10	.05	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.63	.72	.85	.00	.00	.00	.02	.02	.04
Rubber	.34	.33	.49	.00	.00	.00	.02	.02	.04
Miscellaneous plastics	.29	.39	.36	.00	.00	.00	.00	.00	.00
Leather products	.16	.11	.11	.00	.00	.00	.19	.18	.18
Leather tanning and finishing	.03	.01	.00	.00	.00	.00	.01	.01	.01
Footwear, except rubber	.09	.07	.07	.00	.00	.00	.06	.05	.02
All other leather	.03	.02	.04	.00	.00	.00	.11	.11	.14
Transportation, other public util	29.80	33.77	47.37	.00	.00	.00	.00	.00	.00
Transportation,total	3.04	2.87	2.75	.00	.00	.00	.00	.00	.00
Railroads and railway express	.54	.39	.25	.00	.00	.00	.00	.00	.00
Local and interurban transit	.12	.07	.11	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.11	.07	.11	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.34	.28	.21	.00	.00	.00	.00	.00	.00
Trucking services	.12	.13	.09	.00	.00	.00	.00	.00	.00
Warehousing and storage	.22	.14	.11	.00	.00	.00	.00	.00	.00
Water transportation	.79	.86	.95	.00	.00	.00	.00	.00	.00
Air transportation	.19	.20	.31	.00	.00	.00	.00	.00	.00
Pipelines	.93	.93	.80	.00	.00	.00	.00	.00	.00
Transportation services	.09	.12	.08	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	26.76	30.89	44.61	.00	.00	.00	.00	.00	.00
Communications	.53	.44	.28	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.31	.28	.23	.00	.00	.00	.00	.00	.00
Telegraph,misc communicatn serv	.02	.02	.03	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.19	.13	.02	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	26.23	30.44	44.33	.00	.00	.00	.00	.00	.00
Electric light and power	5.17	6.34	5.77	.00	.00	.00	.00	.00	.00
Electric-gas utilities	2.31	2.22	2.74	.00	.00	.00	.00	.00	.00
Gas steam supply systems	3.63	3.05	2.40	.00	.00	.00	.00	.00	.00
Water supply	9.49	11.00	20.14	.00	.00	.00	.00	.00	.00
Sanitary services	5.51	7.70	13.06	.00	.00	.00	.00	.00	.00
Other utilities	.09	.10	.19	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	4.05	4.85	5.03	22.38	24.22	15.30	28.51	33.94	35.50
Wholesale trade	2.97	3.26	3.78	3.64	2.96	1.95	1.14	1.26	1.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stationary engineers			Stone cutters, carvers			Tailors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.40	1.64	1.98	.28	.24	.00	.95	.98	.89
Motor vehicles and equipment	.07	.09	.14	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.13	.12	.10	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.02	.02	.03	.00	.00	.00	.91	.94	.89
Food and related products	.39	.42	.49	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.04	.06	.04	.00	.00	.00	.00	.00	.00
Electrical goods	.10	.10	.08	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.08	.09	.08	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.55	.72	.98	.28	.24	.00	.03	.03	.00
Miscellaneous wholesale trade	1.56	1.62	1.80	3.35	2.72	1.95	.19	.28	.28
Metals and minerals, other	.08	.06	.04	.00	.00	.00	.00	.00	.00
Petroleum products	1.20	1.33	1.63	.00	.00	.00	.00	.00	.00
Scrap and waste material	.02	.02	.00	.00	.00	.00	.14	.19	.12
Alcoholic beverages	.03	.02	.00	.00	.00	.00	.00	.00	.00
Paper and paper products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.09	.04	.00	2.61	2.01	1.13	.00	.00	.00
Other wholesale trade	.10	.10	.11	.74	.70	.82	.05	.08	.16
Retail trade	1.68	1.59	1.25	18.74	21.25	13.34	27.37	32.68	34.32
Building materials	.16	.15	.05	1.75	1.86	1.69	.00	.00	.00
Lumber,building material	.14	.13	.04	1.75	1.86	1.69	.00	.00	.00
Hardware and farm equipment	.01	.01	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	.61	.48	.16	.00	.00	.00	4.26	7.04	17.28
Department stores,mail order	.56	.44	.11	.00	.00	.00	3.92	6.60	15.99
Limited price stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.02	.02	.02	.00	.00	.00	.33	.44	1.29
Food and dairy stores	.23	.21	.10	.00	.00	.00	.00	.00	.00
Grocery stores	.18	.17	.09	.00	.00	.00	.00	.00	.00
Dairy products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Retail bakeries	.01	.01	.00	.00	.00	.00	.00	.00	.00
Food stores,cther	.01	.01	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.23	.18	.13	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.03	.03	.01	.00	.00	.00	.00	.00	.00
Gasoline service stations	.18	.13	.11	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.01	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.04	.07	.18	.00	.00	.00	22.93	25.37	16.71
Apparel,accessory,except shoes	.03	.06	.17	.00	.00	.00	22.81	25.21	16.43
Shoe stores	.01	.01	.01	.00	.00	.00	.11	.16	.28
Furniture and appliance stores	.12	.19	.36	.00	.00	.00	.08	.10	.10
Home furnishings	.01	.01	.03	.00	.00	.00	.03	.05	.07
Household appliances,tv,radio	.11	.17	.32	.00	.00	.00	.04	.05	.03
Eating and drinking places	.06	.09	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.18	.19	.24	16.98	19.39	11.64	.10	.15	.21
Liquor stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.07	.06	.00	.00	.00	.00
Fuel and ice dealers	.13	.12	.17	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.02	.03	.04	16.91	19.32	11.64	.10	.15	.21
Finance,insurance and real estate	3.07	3.11	3.05	.00	.00	.00	.00	.00	.00
Finance,total	.58	.41	.11	.00	.00	.00	.00	.00	.00
Banking	.43	.28	.04	.00	.00	.00	.00	.00	.00
Credit agencies	.04	.04	.03	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.10	.08	.03	.00	.00	.00	.00	.00	.00
Insurance	.31	.28	.28	.00	.00	.00	.00	.00	.00
Real estate	2.17	2.41	2.66	.00	.00	.00	.00	.00	.00
Services, total	15.54	17.21	20.20	.58	.81	1.15	16.26	12.72	6.70

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stationary engineers			Stone cutters, carvers			Tailors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	2.04	2.29	2.57	.00	.00	.00	.10	.14	.17
Hotels and motels	1.99	2.24	2.51	.00	.00	.00	.10	.14	.17
Other lodging places	.05	.04	.06	.00	.00	.00	.00	.00	.00
Other personal services	.56	.30	.07	.22	.54	1.15	15.80	12.08	5.93
Laundering and cleaning	.53	.26	.06	.00	.00	.00	15.41	11.25	4.82
Beauty shops	.01	.01	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.00	.00	.00	.00	.00	.00	.15	.20	.19
Misc personal services	.01	.02	.01	.22	.54	1.15	.23	.62	.92
Miscellaneous business services	.93	.87	.52	.15	.11	.00	.03	.06	.18
Advertising	.01	.00	.00	.00	.00	.00	.00	.00	.00
Business management services	.04	.04	.01	.00	.00	.00	.02	.05	.18
Commercial research,development	.13	.18	.28	.00	.00	.00	.00	.00	.00
Computer programing	.11	.12	.10	.00	.00	.00	.00	.00	.00
Services to buildings	.32	.20	.01	.00	.00	.00	.00	.00	.00
Other business services	.29	.31	.10	.15	.11	.00	.00	.00	.00
Automobile services	.03	.03	.03	.00	.00	.00	.00	.00	.00
Automobile repair	.00	.01	.00	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.03	.02	.03	.00	.00	.00	.00	.00	.00
Other repair services	.11	.09	.01	.00	.00	.00	.00	.00	.00
Electrical repair	.03	.02	.00	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.08	.07	.00	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.11	.06	.04	.00	.00	.00	.02	.02	.04
Miscellaneous entertainment	.19	.32	.23	.00	.00	.00	.04	.12	.17
Other entertainment	.18	.31	.23	.00	.00	.00	.04	.12	.17
Medical and other health service	6.05	7.92	12.13	.12	.11	.00	.01	.01	.00
Hospitals	6.32	7.47	11.49	.12	.11	.00	.01	.01	.00
Convalescent institutions	.19	.29	.57	.00	.00	.00	.00	.00	.00
Other health services	.13	.16	.06	.00	.00	.00	.00	.00	.00
Educational services	3.67	3.76	3.00	.00	.00	.00	.11	.15	.17
Elementary and secondary school	1.89	2.19	1.55	.00	.00	.00	.03	.03	.00
Colleges and universities	1.64	1.41	1.35	.00	.00	.00	.04	.04	.00
Libraries	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other educational services	.12	.13	.08	.00	.00	.00	.02	.06	.17
Museums,art galleries,zoos	.04	.07	.12	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.60	.59	.33	.07	.04	.00	.05	.05	.02
Religious organizations	.19	.20	.08	.07	.04	.00	.03	.02	.00
Welfare services	.07	.05	.04	.00	.00	.00	.00	.00	.00
Residential welfare services	.08	.09	.09	.00	.00	.00	.00	.01	.02
Nonprofit membership organiztns	.24	.23	.11	.00	.00	.00	.00	.00	.00
Private households	.00	.02	.10	.00	.00	.00	.06	.06	.00
Other professional services	.55	.82	.99	.00	.00	.00	.00	.00	.00
Engineering and architectural	.38	.60	.81	.00	.00	.00	.00	.00	.00
Accounting and auditing	.01	.02	.02	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.15	.19	.16	.00	.00	.00	.00	.00	.00
Government,total	5.21	4.94	4.06	.00	.00	.00	.21	.22	.26
Federal public administration	2.65	2.16	1.60	.00	.00	.00	.21	.22	.26
Postal services	.12	.15	.15	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	2.53	2.01	1.45	.00	.00	.00	.21	.22	.26
State public administration	.82	.87	.92	.00	.00	.00	.00	.00	.00
Local public administration	1.74	1.91	1.54	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Upholstrers			Other craft workers			Operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.59	.96	.96	.24	.41	.39
Agriculture	.00	.00	.00	.35	.72	.90	.21	.36	.34
Agricultural production	.00	.00	.00	.32	.67	.86	.10	.23	.21
Services,except horticulture	.00	.00	.00	.00	.00	.00	.07	.09	.09
Horticultural services	.00	.00	.00	.02	.04	.04	.02	.03	.03
Forestry	.00	.00	.00	.15	.13	.01	.01	.01	.01
Fisheries	.00	.00	.00	.08	.11	.03	.01	.03	.04
Mining	.00	.00	.00	.40	.53	.55	2.01	2.40	2.63
Metal	.00	.00	.00	.11	.10	.09	.31	.26	.24
Coal	.00	.00	.00	.02	.03	.02	.57	.73	1.03
Crude petroleum and natural gas	.00	.00	.00	.18	.30	.34	.76	1.08	1.09
Nonmetallic mining and quarrying	.00	.00	.00	.08	.09	.08	.36	.33	.26
Construction	.01	.01	.00	11.17	14.19	19.75	2.81	3.51	3.73
General building contractors	.01	.01	.00	1.10	1.44	2.66	.30	.42	.54
General contractors,exc building	.00	.00	.00	3.00	3.78	5.51	1.38	1.37	1.26
Special trade contractors	.00	.00	.00	7.06	8.96	11.57	1.12	1.71	1.92
Manufacturing	49.44	42.66	39.27	62.75	53.11	42.85	63.56	60.53	61.19
Durable goods	47.25	40.93	37.85	28.54	26.34	26.52	33.97	34.38	36.53
Ordnance	.05	.04	.10	.20	.12	.14	.63	.33	.31
Lumber and wood products	.08	.07	.06	1.47	1.33	1.32	1.84	1.85	1.78
Logging	.00	.00	.00	.02	.01	.01	.12	.14	.11
Sawmill,planing and mill work	.05	.04	.05	.24	.19	.15	1.23	1.23	1.16
Miscellaneous wood products	.03	.02	.01	1.21	1.12	1.15	.48	.47	.50
Furniture and fixtures	39.80	34.67	32.66	.82	.66	.32	1.65	1.70	1.90
Stone,clay,and glass products	.08	.06	.04	2.82	2.33	.96	2.21	2.18	1.96
Glass and glass products	.04	.03	.01	2.22	1.80	.68	.73	.72	.69
Cement,concrete,plaster	.00	.00	.00	.29	.26	.14	.68	.70	.71
Structural clay products	.01	.01	.00	.03	.02	.00	.19	.15	.08
Pottery and related products	.00	.00	.00	.01	.01	.00	.19	.19	.13
Miscellaneous nonmetallic,stone	.01	.02	.01	.25	.23	.12	.41	.41	.33
Primary metal industries	.00	.00	.00	4.72	3.68	2.53	3.45	3.15	2.85
Blast furnaces,steel works	.00	.00	.00	3.37	2.43	1.25	1.19	.96	.70
Other primary steel	.00	.00	.00	.66	.50	.23	1.02	.94	.92
Primary aluminum	.00	.00	.00	.14	.16	.21	.49	.53	.48
Other primary nonferrous	.00	.00	.00	.55	.58	.82	.73	.71	.74
Fabricated metal products	.30	.29	.39	1.93	1.90	1.60	4.43	4.60	5.06
Cutlery and other hardware	.00	.00	.00	.13	.13	.07	.50	.52	.52
Fabricated structural metal	.00	.00	.00	1.04	.95	.50	1.24	1.37	1.75
Screw machine products	.00	.00	.00	.05	.06	.08	.29	.26	.25
Metal stamping	.00	.00	.00	.37	.41	.58	.80	.79	.90
Miscellaneous fabricated metal	.30	.29	.39	.32	.34	.35	1.59	1.63	1.62
Machinery except electrical	.04	.03	.00	2.28	2.74	4.37	5.44	5.76	6.88
Engines and turbines	.00	.00	.00	.27	.35	.51	.33	.37	.38
Farm machinery and equipment	.00	.00	.00	.09	.10	.08	.42	.45	.49
Construction machines	.00	.00	.00	.30	.39	.59	.86	1.01	1.20
Metalworking machinery	.00	.00	.00	.51	.60	1.00	.79	.78	.92
Office and accounting machines	.00	.00	.00	.04	.02	.00	.20	.14	.11
Electronic computing equipment	.00	.00	.00	.08	.11	.19	.29	.35	.52
Other machinery,exc electrical	.04	.03	.00	.97	1.15	1.96	2.52	2.65	3.24
Electrical machinery	.04	.04	.12	1.65	1.76	2.36	6.35	6.39	7.04
Household appliances	.04	.04	.12	.10	.09	.09	.74	.68	.71
Radio, tv communications equip	.00	.00	.00	.54	.52	.67	1.69	1.49	1.46
Other electrical machinery	.00	.00	.00	1.00	1.15	1.60	3.91	4.21	4.87
Transportation equipment	4.17	3.66	3.18	9.68	8.96	10.32	5.18	5.52	5.87
Motor vehicles and equipment	2.54	2.36	2.02	.73	.79	.58	3.01	3.47	3.62
Aircraft and parts	.95	.58	.25	.43	.39	.44	1.26	.98	.72
Ship,boat building and repair	.53	.53	.44	7.19	5.95	3.91	.42	.45	.44
Railroad equipment	.02	.01	.00	.06	.08	.11	.16	.18	.17
Mobile dwellings	.06	.07	.26	1.17	1.59	4.98	.22	.28	.68
Cycles,misc transportation	.04	.07	.18	.07	.14	.29	.09	.14	.21
Professional,scientific instrs	.11	.13	.15	.85	1.06	1.51	1.21	1.39	1.55
Scientific instruments	.00	.00	.00	.41	.48	.63	.47	.49	.47
Optical,health serv supplies	.11	.13	.15	.29	.44	.79	.37	.52	.64
Photo equipment and supplies	.00	.00	.00	.11	.11	.07	.25	.27	.33
Watches and clock devices	.00	.00	.00	.03	.01	.00	.11	.10	.11
Miscellaneous manufacturing	2.53	1.89	1.12	2.07	1.77	1.03	1.53	1.46	1.28
Nondurable goods	2.18	1.73	1.42	34.21	26.77	16.33	29.58	26.15	24.66

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Upholstrers			Other craft workers			Operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	7.53	5.71	2.48	6.61	5.76	5.22
Meat	.00	.00	.00	.11	.10	.06	1.63	1.53	1.43
Dairy	.00	.00	.00	.02	.02	.01	.96	.66	.43
Canning and preserving	.00	.00	.00	.12	.08	.01	1.17	1.13	1.18
Grain mill	.00	.00	.00	.18	.15	.07	.36	.35	.33
Bakery	.00	.00	.00	.35	.24	.12	.84	.62	.44
Confectionery	.00	.00	.00	.00	.00	.00	.36	.31	.29
Beverages	.00	.00	.00	6.61	5.02	2.12	.72	.63	.58
Miscellaneous food preparation	.00	.00	.00	.10	.09	.05	.54	.51	.49
Tobacco manufacturing	.00	.00	.00	.10	.06	.01	.31	.23	.16
Textile mill products	.95	.66	.59	.20	.16	.10	4.72	3.84	3.73
Knitting mills	.00	.00	.00	.02	.02	.02	1.31	1.10	1.32
Dyeing,finishing textiles	.00	.00	.00	.02	.02	.01	.37	.31	.25
Floor coverings	.00	.00	.00	.00	.00	.00	.25	.23	.32
Yarn and fabric mills	.87	.62	.56	.12	.10	.06	2.45	1.91	1.58
Miscellaneous textile mill	.06	.04	.03	.02	.01	.00	.32	.26	.24
Apparel and textile products	1.08	.90	.59	2.02	1.75	.83	7.73	6.61	6.76
Apparel and accessories	.09	.05	.00	1.32	1.07	.49	6.92	5.77	5.86
Miscellaneous fabricated textile	.99	.85	.59	.69	.68	.34	.80	.84	.89
Paper and allied products	.00	.00	.00	.56	.39	.12	2.51	2.22	2.03
Pulp,paper paperboard mills	.00	.00	.00	.28	.18	.04	.98	.81	.60
Paperboard containers,boxes	.00	.00	.00	.13	.09	.02	.86	.73	.74
Miscellaneous paper and pulp	.00	.00	.00	.15	.12	.04	.65	.67	.67
Printing and publishing	.00	.00	.00	6.63	4.81	2.25	1.06	1.00	.82
Newspaper publishing, printing	.00	.00	.00	1.98	1.53	.99	.20	.20	.20
Other printing,exc newspapers	.00	.00	.00	4.65	3.27	1.25	.86	.80	.62
Chemicals and allied products	.00	.00	.00	2.02	2.02	2.72	2.37	2.18	2.20
Industrial chemicals	.00	.00	.00	1.28	1.32	1.88	.57	.51	.45
Plastics and synthetics	.00	.00	.00	.13	.12	.16	.27	.22	.19
Synthetic filters	.00	.00	.00	.26	.23	.20	.39	.38	.46
Drugs and medicines	.00	.00	.00	.09	.10	.06	.25	.28	.27
Soaps and cosmetics	.00	.00	.00	.04	.04	.07	.31	.30	.32
Paints and varnishes	.00	.00	.00	.02	.02	.04	.16	.15	.17
Agricultural chemicals	.00	.00	.00	.07	.08	.09	.11	.11	.07
Miscellaneous chemicals	.00	.00	.00	.11	.09	.19	.28	.20	.23
Petroleum and coal products	.00	.00	.00	.63	.54	.20	.36	.37	.30
Petroleum refining	.00	.00	.00	.62	.53	.19	.27	.27	.18
Misc petroleum,coal products	.00	.00	.00	.01	.00	.00	.09	.10	.11
Rubber,miscellaneous plastics	.11	.13	.22	.34	.35	.34	2.27	2.71	2.56
Rubber	.06	.06	.10	.24	.21	.18	1.15	1.08	1.06
Miscellaneous plastics	.04	.06	.11	.10	.14	.16	1.12	1.62	1.49
Leather products	.04	.02	.01	14.14	10.93	7.24	1.60	1.17	.85
Leather tanning and finishing	.04	.02	.01	.49	.37	.15	.11	.09	.04
Footwear, except rubber	.00	.00	.00	10.66	8.03	5.18	1.16	.81	.55
All other leather	.00	.00	.00	2.99	2.52	1.89	.31	.26	.25
Transportation, other public util	.93	.64	.67	8.23	8.00	6.59	10.14	11.28	10.83
Transportation,total	.93	.64	.67	3.04	2.95	2.23	9.28	10.36	9.79
Railroads and railway express	.39	.17	.02	.20	.14	.05	.90	.71	.55
Local and interurban transit	.14	.11	.32	.01	.00	.00	2.22	2.62	2.40
Street railways and bus lines	.13	.09	.30	.01	.00	.00	1.58	1.91	1.79
Taxicab service	.01	.01	.02	.00	.00	.00	.63	.70	.61
Trucking and warehousing	.03	.02	.00	2.04	2.06	1.79	5.53	6.40	6.28
Trucking services	.03	.02	.00	1.95	1.99	1.74	5.34	6.21	6.07
Warehousing and storage	.00	.00	.00	.09	.06	.04	.18	.19	.21
Water transportation	.00	.00	.00	.61	.53	.14	.36	.32	.23
Air transportation	.36	.33	.32	.05	.05	.04	.17	.19	.19
Pipelines	.00	.00	.00	.02	.01	.00	.02	.02	.01
Transportation services	.00	.00	.00	.09	.13	.20	.05	.07	.10
Communicatns,utils,sanitary serv	.00	.00	.00	5.19	5.05	4.35	.86	.91	1.03
Communications	.00	.00	.00	1.86	1.63	.74	.05	.05	.06
Telephone(wire and radio)	.00	.00	.00	1.77	1.55	.71	.04	.04	.05
Telegraph,misc communicatn serv	.00	.00	.00	.06	.05	.00	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.02	.02	.01	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	3.33	3.42	3.61	.81	.86	.97
Electric light and power	.00	.00	.00	1.85	2.03	2.33	.16	.19	.16
Electric-gas utilities	.00	.00	.00	1.04	.97	.96	.11	.10	.11
Gas steam supply systems	.00	.00	.00	.13	.11	.09	.11	.10	.10
Water supply	.00	.00	.00	.17	.17	.15	.08	.08	.09
Sanitary services	.00	.00	.00	.12	.11	.06	.32	.35	.48
Other utilities	.00	.00	.00	.01	.00	.00	.00	.00	.00
Wholesale and retail trade	20.79	18.91	22.64	8.93	12.44	18.27	14.12	14.18	13.31
Wholesale trade	1.49	1.49	2.02	2.56	2.93	3.49	5.13	5.50	5.60

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Upholstrers			Other craft workers			Operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsie trade	.80	.75	.83	1.62	1.84	1.76	3.15	3.45	3.67
Motor vehicles and equipment	.17	.18	.28	.28	.34	.38	.28	.32	.36
Drugs,chemicals,allied product	.01	.01	.00	.09	.08	.06	.20	.20	.22
Dry goods and apparel	.39	.30	.22	.10	.10	.09	.15	.14	.14
Food and related products	.00	.00	.00	.20	.19	.14	1.58	1.63	1.70
Farm products-raw materials	.00	.00	.00	.04	.05	.02	.13	.18	.12
Electrical goods	.00	.00	.00	.09	.11	.19	.20	.22	.28
Hardware and plumbing	.02	.02	.02	.10	.12	.14	.12	.13	.14
Machinery equipment,supplies	.20	.22	.29	.69	.81	.69	.46	.59	.68
Miscellaneous wholesale trade	.69	.73	1.19	.94	1.09	1.73	1.98	2.04	1.93
Metals and minerals, other	.00	.00	.00	.17	.18	.24	.19	.18	.19
Petroleum products	.00	.00	.00	.05	.05	.01	.42	.43	.42
Scrap and waste material	.00	.00	.00	.04	.08	.12	.22	.29	.23
Alcoholic beverages	.00	.00	.00	.03	.06	.13	.22	.24	.19
Paper and paper products	.00	.00	.00	.06	.07	.18	.15	.13	.14
Lumber,construction materials	.00	.00	.00	.21	.21	.35	.28	.26	.25
Other wholesale trade	.69	.73	1.19	.34	.42	.67	.48	.49	.48
Retail trade	19.29	17.42	20.62	6.36	9.51	14.77	8.98	8.68	7.70
Building materials	.00	.00	.00	.29	.29	.17	.45	.49	.38
Lumber,building material	.00	.00	.00	.26	.27	.14	.38	.43	.31
Hardware and farm equipment	.00	.00	.00	.02	.02	.02	.07	.06	.07
General merchandise,total	.69	.89	2.36	.04	.06	.03	.69	.75	.94
Department stores,mail order	.62	.81	2.07	.00	.00	.00	.39	.47	.60
Limited price stores	.00	.00	.00	.00	.00	.00	.01	.01	.02
Vending machine operators	.00	.00	.00	.01	.01	.00	.15	.13	.15
Direct selling	.00	.00	.00	.03	.05	.02	.04	.04	.04
Miscellaneous merchadise store	.07	.08	.28	.00	.00	.00	.08	.07	.11
Food and dairy stores	.00	.00	.00	.34	.44	.81	2.22	2.24	2.07
Grocery stores	.00	.00	.00	.13	.17	.39	1.72	1.69	1.63
Dairy products	.00	.00	.00	.00	.00	.00	.03	.03	.02
Retail bakeries	.00	.00	.00	.18	.24	.41	.12	.15	.14
Food stores,cther	.00	.00	.00	.02	.02	.01	.33	.35	.26
Auto dealers,gas stations	.55	.64	.82	3.67	6.20	10.31	3.84	3.11	2.44
Motor vehicle dealers	.32	.31	.30	.02	.02	.00	.30	.30	.29
Tire,battery,accessory dealers	.19	.29	.50	.01	.02	.03	.24	.30	.33
Gasoline service stations	.01	.01	.00	.04	.07	.09	3.26	2.45	1.76
Miscellaneous vehicle dealers	.01	.02	.01	3.57	6.07	10.18	.03	.04	.06
Apparel and accessory stores	.08	.09	.16	.25	.27	.26	.35	.38	.20
Apparel,accessory,except shoes	.07	.08	.16	.23	.25	.24	.33	.36	.19
Shoe stores	.00	.00	.00	.02	.02	.02	.01	.01	.01
Furniture and appliance stores	17.67	15.39	16.59	.68	.56	.20	.34	.34	.28
Home furnishings	17.63	15.36	16.55	.61	.49	.20	.27	.27	.21
Household appliances,tv,radio	.03	.03	.03	.07	.07	.00	.06	.07	.06
Eating and drinking places	.00	.00	.00	.03	.04	.00	.22	.44	.48
Miscellaneous retail trade	.29	.39	.67	1.03	1.62	2.96	.84	.89	.88
Drug stores	.01	.01	.00	.00	.00	.00	.12	.11	.12
Liquor stores	.00	.00	.00	.00	.00	.00	.03	.04	.04
Farm,garden supply stores	.00	.00	.00	.08	.13	.25	.18	.22	.18
Jewelry stores	.00	.00	.00	.07	.06	.01	.01	.01	.01
Fuel and ice dealers	.00	.00	.00	.01	.00	.01	.30	.23	.21
Retail florists	.00	.00	.00	.02	.02	.01	.06	.07	.08
Misc retail trade stores	.26	.38	.67	.83	1.38	2.67	.12	.17	.21
Finance,insurance and real estate	.00	.00	.00	.16	.16	.08	.10	.11	.12
Finance,total	.00	.00	.00	.01	.01	.00	.04	.04	.05
Banking	.00	.00	.00	.00	.00	.00	.02	.02	.02
Credit agencies	.00	.00	.00	.00	.00	.00	.00	.00	.01
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.01
Insurance	.00	.00	.00	.05	.03	.00	.02	.02	.01
Real estate	.00	.00	.00	.09	.11	.08	.04	.05	.05
Services, total	28.31	37.33	36.91	5.65	8.21	10.30	6.11	6.51	6.89

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Upholstrers			Other craft workers			Operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.39	.47	.63	.56	.64	1.09	.13	.17	.18
Hotels and motels	.39	.47	.63	.08	.16	.33	.12	.16	.17
Other lodging places	.00	.00	.00	.47	.48	.76	.01	.01	.01
Other personal services	.10	.11	.07	.22	.35	.11	2.78	1.89	1.08
Laundering and cleaning	.04	.02	.00	.11	.09	.05	2.39	1.35	.69
Barber shops	.00	.00	.00	.01	.13	.02	.00	.00	.00
Shoe repair shops	.00	.00	.00	.04	.06	.00	.00	.00	.00
Dressmaking shops	.00	.00	.00	.00	.01	.00	.26	.30	.25
Misc personal services	.06	.09	.07	.03	.04	.02	.12	.22	.13
Miscellaneous business services	.25	.31	.45	1.00	1.47	2.64	.65	.95	1.25
Advertising	.00	.00	.00	.11	.09	.09	.03	.02	.01
Business management services	.20	.23	.28	.03	.04	.08	.01	.01	.01
Commercial research,development	.00	.00	.00	.08	.13	.29	.02	.03	.05
Computer programing	.00	.00	.00	.01	.01	.00	.02	.02	.02
Detective and protective serv	.00	.00	.00	.00	.01	.04	.03	.06	.09
Services to buildings	.00	.00	.00	.05	.07	.14	.17	.28	.50
Other business services	.03	.06	.16	.69	1.08	1.98	.35	.50	.54
Automobile services	1.64	2.04	1.17	.09	.11	.14	.50	.63	.57
Automobile repair	1.59	1.99	1.10	.01	.02	.00	.22	.34	.26
Automobile services,exc repair	.05	.05	.06	.07	.09	.14	.27	.28	.31
Other repair services	24.77	33.00	31.60	2.01	3.30	3.00	.42	.61	.51
Electrical repair	.03	.02	.02	.02	.02	.01	.03	.03	.05
Other repair,exc electrical	24.73	32.98	31.58	1.99	3.28	2.99	.38	.58	.46
Motion pictures and theaters	.03	.02	.03	.09	.07	.10	.06	.04	.05
Miscellaneous entertainment	.00	.00	.00	.19	.32	.31	.03	.07	.07
Bowling alleys,billards	.00	.00	.00	.05	.07	.10	.00	.00	.00
Other entertainment	.00	.00	.00	.14	.25	.21	.03	.06	.06
Medical and other health service	.46	.65	1.45	.31	.53	1.28	.65	.87	1.81
Offices of physicians	.00	.00	.00	.01	.01	.00	.00	.00	.01
Offices of dentists	.00	.00	.00	.00	.01	.00	.00	.00	.00
Hospitals	.39	.48	1.10	.23	.36	.99	.52	.62	1.13
Convalescent institutions	.00	.00	.00	.01	.01	.00	.07	.13	.58
Other health practitioners	.00	.00	.00	.01	.02	.00	.00	.00	.00
Other health services	.05	.17	.34	.03	.11	.27	.04	.10	.07
Legal services	.00	.00	.00	.02	.03	.13	.00	.00	.00
Educational services	.28	.36	.75	.67	.72	.68	.57	.86	.91
Elementary and secondary school	.02	.02	.00	.18	.15	.00	.32	.55	.53
Colleges and universities	.21	.27	.53	.46	.53	.54	.21	.26	.32
Libraries	.00	.00	.00	.00	.00	.00	.00	.00	.02
Other educational services	.04	.05	.21	.02	.04	.13	.02	.03	.03
Museums,art galleries,zoos	.00	.00	.00	.04	.07	.19	.00	.00	.00
Nonprofit organizations	.30	.30	.73	.17	.19	.24	.15	.18	.25
Religious organizations	.03	.02	.00	.00	.00	.00	.02	.03	.03
Welfare services	.23	.23	.61	.02	.02	.00	.07	.07	.09
Residential welfare services	.00	.00	.03	.00	.00	.00	.00	.01	.03
Nonprofit membership organiztnas	.02	.04	.08	.13	.16	.24	.04	.06	.08
Private househclds	.05	.04	.00	.06	.08	.10	.05	.08	.05
Other professional services	.00	.00	.00	.17	.27	.23	.08	.11	.10
Engineering and architectural	.00	.00	.00	.06	.09	.05	.05	.07	.07
Accounting and auditing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.09	.17	.17	.02	.03	.03
Government,total	.50	.41	.49	2.08	2.34	.62	.86	1.03	.86
Federal public administration	.43	.30	.18	1.38	1.53	.15	.49	.52	.46
Postal services	.00	.00	.00	.00	.00	.00	.07	.10	.11
Federal pub adm,exc post office	.43	.30	.18	1.38	1.53	.15	.42	.41	.34
State public administration	.06	.10	.30	.44	.51	.30	.06	.09	.12
Local public administration	.00	.00	.00	.25	.29	.16	.30	.41	.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Operatives, except transport			Semiskilled metal- working			Drill press operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.15	.30	.28	.06	.22	.20	.00	.00	.00
Agriculture	.12	.25	.23	.05	.20	.18	.00	.00	.00
Agricultural production	.05	.16	.14	.04	.18	.17	.00	.00	.00
Services,except horticulture	.05	.07	.07	.00	.00	.00	.00	.00	.00
Horticultural services	.01	.02	.01	.00	.01	.01	.00	.00	.00
Forestry	.01	.01	.01	.00	.01	.00	.00	.00	.00
Fisheries	.01	.03	.03	.00	.00	.01	.00	.00	.00
Mining	2.16	2.62	2.75	.97	1.29	1.37	.08	.05	.00
Metal	.33	.28	.22	.23	.25	.32	.00	.00	.00
Coal	.62	.80	1.11	.19	.28	.31	.00	.00	.00
Crude petroleum and natural gas	.89	1.27	1.25	.30	.49	.53	.00	.00	.00
Nonmetallic mining and quarrying	.30	.26	.15	.24	.25	.20	.08	.05	.00
Construction	1.91	2.92	3.45	4.14	5.88	9.17	.30	.38	.49
General building contractors	.26	.42	.57	.58	.83	1.52	.00	.00	.00
General contractors,exc building	.52	.60	.66	1.26	1.68	2.45	.11	.13	.21
Special trade contractors	1.12	1.90	2.21	2.28	3.36	5.19	.19	.24	.28
Manufacturing	75.69	73.82	74.16	86.23	81.67	79.39	97.58	97.31	97.54
Durable goods	40.79	42.14	44.53	82.49	78.36	76.45	94.15	94.28	95.95
Ordnance	.76	.42	.40	.86	.42	.37	1.65	.86	.72
Lumber and wood products	1.91	1.93	1.80	.66	.55	.50	.87	.61	.44
Logging	.07	.09	.06	.01	.02	.01	.00	.00	.00
Sawmill,planing and mill work	1.28	1.29	1.17	.42	.36	.32	.46	.32	.22
Miscellaneous wood products	.56	.55	.56	.22	.16	.16	.40	.28	.22
Furniture and fixtures	2.02	2.12	2.34	1.30	1.24	1.30	1.14	.93	.35
Stone,clay,and glass products	2.19	2.17	1.74	1.36	1.24	1.01	1.10	.81	.19
Glass and glass products	.87	.88	.83	.25	.21	.18	.16	.12	.04
Cement,concrete,plaster	.41	.41	.29	.48	.48	.44	.34	.24	.04
Structural clay products	.19	.15	.07	.07	.06	.04	.01	.00	.00
Pottery and related products	.24	.24	.17	.09	.08	.06	.04	.03	.00
Miscellaneous nonmetallic,stone	.47	.48	.37	.44	.39	.28	.53	.40	.09
Primary metal industries	4.04	3.75	3.34	11.16	9.69	8.18	4.25	3.64	2.75
Blast furnaces,steel works	1.37	1.11	.78	4.23	3.33	2.13	.97	.62	.19
Other primary steel	1.21	1.13	1.07	3.97	3.53	3.51	1.51	1.22	.69
Primary aluminum	.57	.63	.57	1.21	1.24	1.04	.77	.85	.89
Other primary nonferrous	.88	.87	.91	1.74	1.58	1.49	.98	.93	.96
Fabricated metal products	5.35	5.67	6.19	17.22	17.43	18.91	13.82	13.19	11.05
Cutlery and other hardware	.63	.67	.65	1.57	1.44	1.08	2.58	2.39	1.20
Fabricated structural metal	1.49	1.68	2.10	5.86	6.60	8.70	3.40	2.79	1.71
Screw machine products	.35	.33	.32	1.40	1.20	1.12	2.53	2.58	2.72
Metal stamping	.96	.97	1.11	3.54	3.42	3.76	1.50	1.54	1.79
Miscellaneous fabricated metal	1.90	2.00	2.00	4.82	4.74	4.24	3.80	3.87	3.62
Machinery except electrical	6.73	7.28	8.75	22.89	22.34	23.98	40.12	44.13	52.72
Engines and turbines	.41	.47	.48	1.16	1.17	1.11	3.04	3.55	3.88
Farm machinery and equipment	.50	.54	.58	1.62	1.58	1.47	2.51	2.32	1.23
Construction machines	1.05	1.25	1.49	4.02	4.49	4.97	7.19	8.75	11.11
Metalworking machinery	.99	1.00	1.19	4.13	3.71	3.80	6.84	7.27	8.29
Office and accounting machines	.25	.18	.14	.44	.24	.10	1.56	.97	.37
Electronic computing equipment	.37	.45	.68	.38	.41	.46	.51	.61	.87
Other machinery,exc electrical	3.14	3.37	4.16	11.11	10.71	12.04	18.45	20.64	26.94
Electrical machinery	8.02	8.27	9.11	9.81	8.93	8.25	12.53	12.91	15.73
Household appliances	.91	.85	.87	1.34	1.16	1.15	1.11	1.03	1.17
Radio, tv communications equip	2.15	1.95	1.90	2.20	1.76	1.58	2.75	2.46	2.75
Other electrical machinery	4.95	5.46	6.33	6.26	6.00	5.51	8.66	9.41	11.80
Transportation equipment	6.27	6.81	7.19	14.40	14.01	11.99	13.17	11.84	7.38
Motor vehicles and equipment	3.61	4.23	4.38	7.83	7.90	6.33	6.46	6.45	3.80
Aircraft and parts	1.58	1.26	.93	3.17	2.13	1.27	5.01	3.51	1.48
Ship,boat building and repair	.51	.57	.53	2.08	2.34	2.29	.59	.41	.15
Railroad equipment	.19	.23	.22	.79	.89	.74	.72	.87	.92
Mobile dwellings	.25	.33	.84	.25	.31	.75	.06	.08	.23
Cycles,misc transportation	.11	.18	.27	.27	.42	.57	.30	.49	.78
Professional,scientific instrs	1.54	1.80	2.02	1.52	1.46	1.30	3.74	4.03	4.14
Scientific instruments	.60	.64	.61	.82	.74	.60	2.35	2.45	2.47
Optical,health serv supplies	.47	.67	.84	.36	.45	.50	.73	1.05	1.46
Photo equipment and supplies	.31	.34	.42	.21	.18	.16	.42	.35	.14
Watches and clock devices	.15	.13	.14	.12	.08	.03	.23	.16	.05
Miscellaneous manufacturing	1.92	1.87	1.61	1.28	.99	.62	1.71	1.31	.44
Nondurable goods	34.90	31.67	29.63	3.74	3.30	2.93	3.43	3.03	1.58

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Operatives, except transport			Semiskilled metal- working			Drill press operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	6.48	5.96	5.37	.52	.50	.56	.12	.10	.05
Meat	1.94	1.86	1.73	.08	.08	.08	.00	.00	.00
Dairy	.62	.46	.31	.02	.02	.02	.00	.00	.00
Canning and preserving	1.33	1.31	1.32	.11	.11	.16	.01	.00	.00
Grain mill	.33	.32	.27	.07	.06	.07	.01	.01	.01
Bakery	.72	.58	.41	.02	.01	.00	.00	.00	.00
Confectionery	.45	.40	.38	.01	.01	.01	.00	.00	.00
Beverages	.52	.48	.45	.04	.04	.04	.04	.03	.02
Miscellaneous food preparation	.54	.51	.47	.14	.13	.14	.03	.03	.01
Tobacco manufacturing	.39	.29	.20	.01	.01	.01	.03	.02	.00
Textile mill products	5.96	4.95	4.74	.25	.18	.19	.17	.14	.13
Knitting mills	1.69	1.45	1.73	.02	.02	.03	.03	.03	.03
Dyeing,finishing textiles	.46	.40	.31	.02	.01	.01	.00	.00	.00
Floor coverings	.29	.28	.36	.02	.02	.04	.01	.00	.00
Yarn and fabric mills	3.11	2.47	2.02	.15	.10	.08	.11	.09	.08
Miscellaneous textile mill	.40	.33	.30	.02	.02	.02	.00	.00	.00
Apparel and textile products	9.93	8.69	8.87	.12	.10	.08	.08	.06	.01
Apparel and accessories	8.90	7.60	7.72	.06	.05	.04	.03	.02	.00
Miscellaneous fabricated textile	1.02	1.09	1.15	.06	.05	.04	.05	.04	.01
Paper and allied products	2.91	2.61	2.29	.51	.40	.33	.50	.35	.16
Pulp,paper paperboard mills	1.13	.94	.66	.27	.22	.19	.23	.16	.06
Paperboard ccontainers,boxes	.98	.84	.80	.11	.07	.06	.12	.07	.01
Miscellaneous paper and pulp	.79	.83	.81	.12	.10	.07	.13	.12	.08
Printing and publishing	1.19	1.15	.90	.21	.15	.08	.25	.19	.06
Newspaper publishing, printing	.16	.18	.17	.04	.03	.03	.00	.00	.00
Other printing,exc newspapers	1.02	.97	.72	.17	.12	.05	.25	.19	.06
Chemicals and allied products	2.75	2.60	2.59	.93	.83	.90	.45	.35	.30
Industrial chemicals	.04	.59	.49	.48	.45	.49	.18	.15	.09
Plastics and synthetics	.32	.28	.24	.10	.08	.07	.09	.08	.07
Synthetic fibers	.49	.48	.57	.07	.06	.08	.07	.05	.02
Drugs and medicines	.30	.35	.35	.02	.02	.02	.00	.00	.00
Soaps and cosmetics	.37	.37	.40	.04	.04	.04	.00	.00	.00
Paints and varnishes	.18	.18	.18	.02	.02	.02	.00	.00	.00
Agricultural chemicals	.10	.10	.06	.05	.05	.05	.00	.00	.00
Miscellaneous chemicals	.32	.23	.27	.11	.08	.10	.09	.06	.11
Petroleum and coal products	.39	.41	.31	.22	.22	.17	.09	.07	.02
Petroleum refining	.30	.31	.22	.19	.19	.13	.08	.06	.02
misc petroleum,coal products	.08	.09	.09	.02	.03	.04	.01	.01	.00
Rubber,miscellaneous plastics	2.81	3.43	3.21	.79	.78	.53	1.57	1.62	.78
Rubber	1.41	1.36	1.32	.33	.27	.24	.49	.44	.42
Miscellaneous plastics	1.40	2.07	1.89	.45	.51	.28	1.07	1.18	.36
Leather products	2.05	1.54	1.11	.14	.09	.04	.13	.08	.03
Leather tanning and finishing	.14	.11	.05	.01	.01	.00	.00	.00	.00
Footwear, except rubber	1.50	1.07	.72	.07	.04	.02	.07	.04	.02
All other leather	.40	.34	.33	.04	.03	.02	.05	.03	.00
Transportation, other public util	1.52	1.48	1.20	1.72	1.77	1.66	.16	.14	.09
Transportation,total	1.00	.94	.74	1.00	.94	.84	.11	.09	.04
Railroads and railway express	.18	.13	.08	.64	.52	.38	.08	.06	.04
Local and interurban transit	.02	.01	.03	.02	.02	.05	.01	.01	.00
Street railways and bus lines	.01	.01	.03	.02	.02	.05	.01	.01	.00
Trucking and warehousing	.19	.20	.14	.12	.15	.14	.00	.00	.00
Trucking services	.10	.12	.08	.11	.14	.13	.00	.00	.00
Warehousing and storage	.09	.08	.06	.01	.01	.01	.00	.00	.00
Water transportation	.36	.31	.21	.09	.10	.10	.00	.00	.00
Air transportation	.19	.21	.20	.07	.08	.08	.02	.01	.00
Pipelines	.02	.02	.01	.02	.02	.02	.00	.00	.00
Transportation services	.02	.02	.03	.01	.02	.04	.00	.00	.00
Communicatns,utils,sanitary serv	.51	.54	.46	.71	.83	.81	.04	.04	.04
Communications	.03	.04	.04	.02	.02	.03	.00	.00	.00
Telephone(wire and radio)	.03	.03	.03	.02	.02	.03	.00	.00	.00
Utilities and sanitary services	.47	.49	.42	.69	.80	.78	.04	.04	.04
electric light and power	.15	.17	.13	.22	.32	.25	.04	.04	.04
Electric-gas utilities	.09	.09	.08	.20	.19	.19	.00	.00	.00
Gas steam supply systems	.10	.09	.07	.21	.21	.22	.00	.00	.00
Water supply	.07	.07	.06	.02	.03	.04	.00	.00	.00
Sanitary services	.05	.05	.06	.02	.03	.06	.00	.00	.00
Wholesale and retail trade	11.85	11.83	10.49	2.51	2.99	3.20	1.54	1.73	1.46
Wholesale trade	3.08	3.50	3.49	2.13	2.51	2.59	1.51	1.71	1.46

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Operatives, except transport			Semiskilled metal- working			Drill press operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	2.10	2.40	2.39	1.25	1.51	1.62	1.22	1.40	1.08
Motor vehicles and equipment	.18	.21	.23	.22	.26	.31	.11	.12	.10
Drugs, chemicals, allied product	.12	.12	.12	.02	.02	.01	.00	.00	.00
Dry goods and apparel	.17	.16	.15	.00	.00	.00	.00	.00	.00
Food and related products	.97	1.05	1.00	.02	.02	.02	.00	.00	.00
Farm products-raw materials	.07	.11	.05	.00	.00	.00	.00	.00	.00
Electrical goods	.17	.20	.27	.19	.20	.21	.17	.18	.19
Hardware and plumbing	.06	.07	.06	.08	.09	.08	.14	.15	.12
Machinery equipment, supplies	.33	.44	.49	.70	.90	.96	.78	.93	.66
Miscellaneous wholesale trade	.98	1.10	1.10	.87	1.00	.97	.29	.30	.37
Metals and minerals, other	.15	.15	.16	.33	.33	.36	.10	.10	.11
Petroleum products	.07	.07	.05	.03	.04	.05	.00	.00	.00
Scrap and waste material	.18	.26	.22	.29	.39	.30	.00	.00	.00
Alcoholic beverages	.01	.02	.02	.00	.00	.00	.00	.00	.00
Paper and paper products	.09	.08	.10	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.13	.14	.17	.10	.10	.13	.03	.05	.15
Other wholesale trade	.33	.36	.36	.11	.11	.11	.15	.15	.10
Retail trade	8.76	8.32	7.00	.37	.47	.60	.02	.02	.00
Building materials	.14	.16	.14	.13	.15	.16	.00	.00	.00
Lumber, building material	.10	.13	.09	.06	.07	.07	.00	.00	.00
Hardware and farm equipment	.03	.03	.04	.07	.07	.09	.00	.00	.00
General merchandise, total	.51	.61	.81	.04	.04	.08	.00	.00	.00
Department stores, mail order	.39	.49	.64	.00	.01	.02	.00	.00	.00
Limited price stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Vending machine operators	.01	.01	.02	.02	.02	.03	.00	.00	.00
Direct selling	.01	.01	.02	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.07	.07	.11	.01	.01	.02	.00	.00	.00
Food and dairy stores	2.47	2.51	2.21	.00	.01	.02	.00	.00	.00
Grocery stores	1.97	1.94	1.76	.00	.01	.02	.00	.00	.00
Dairy products	.01	.01	.01	.00	.00	.00	.00	.00	.00
Retail bakeries	.11	.14	.12	.00	.00	.00	.00	.00	.00
Food stores, other	.37	.41	.30	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	4.68	3.78	2.88	.10	.15	.17	.00	.00	.00
Motor vehicle dealers	.28	.29	.29	.03	.03	.02	.00	.00	.00
Tire, battery, accessory dealers	.25	.31	.34	.03	.05	.06	.00	.00	.00
Gasoline service stations	4.11	3.13	2.19	.01	.03	.03	.00	.00	.00
Miscellaneous vehicle dealers	.02	.03	.05	.02	.03	.05	.00	.00	.00
Apparel and accessory stores	.43	.48	.24	.00	.01	.02	.00	.00	.00
Apparel, accessory, except shoes	.41	.46	.22	.00	.01	.02	.00	.00	.00
Shoe stores	.02	.02	.01	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.16	.18	.12	.03	.04	.04	.00	.00	.00
Home furnishings	.14	.14	.09	.01	.01	.01	.00	.00	.00
Household appliances, tv, radio	.02	.03	.03	.01	.02	.03	.00	.00	.00
Eating and drinking places	.13	.26	.20	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.21	.30	.37	.05	.06	.08	.01	.01	.00
Drug stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Farm, garden supply stores	.06	.10	.12	.01	.02	.02	.00	.00	.00
Jewelry stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.01	.01	.00	.01	.01	.01	.00	.00	.00
Misc retail trade stores	.09	.14	.20	.01	.02	.04	.01	.01	.00
Finance, insurance and real estate	.06	.07	.08	.01	.02	.02	.00	.00	.00
Finance, total	.02	.02	.04	.00	.00	.00	.00	.00	.00
Banking	.01	.01	.03	.00	.00	.00	.00	.00	.00
Credit agencies	.00	.00	.01	.00	.00	.00	.00	.00	.00
Insurance	.01	.01	.01	.00	.00	.00	.00	.00	.00
Real estate	.03	.03	.03	.01	.02	.02	.00	.00	.00
Services, total	6.12	6.39	7.09	3.67	5.46	4.26	.09	.15	.17

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Operatives, except transport			Semiskilled metal- working			Drill press operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.13	.17	.18	.00	.00	.00	.00	.00	.00
Hotels and motels	.12	.16	.17	.00	.00	.00	.00	.00	.00
Other lodging places	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other personal services	3.10	2.14	1.22	.00	.00	.00	.00	.00	.00
Laundering and cleaning	2.65	1.54	.76	.00	.00	.00	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.33	.39	.33	.00	.00	.00	.00	.00	.00
Misc personal services	.10	.19	.11	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.64	1.00	1.40	.14	.20	.26	.03	.05	.05
Advertising	.03	.02	.01	.01	.01	.01	.00	.00	.00
Business management services	.01	.01	.02	.00	.00	.00	.00	.00	.00
Commercial research,development	.02	.03	.06	.04	.06	.11	.02	.03	.05
Computer programing	.02	.03	.03	.02	.02	.03	.00	.00	.00
Detective and protective serv	.00	.00	.01	.00	.00	.00	.00	.00	.00
Services to buildings	.21	.35	.64	.01	.01	.00	.01	.01	.00
Other business services	.33	.52	.61	.05	.08	.09	.00	.00	.00
Automobile services	.34	.49	.42	.12	.16	.07	.02	.02	.00
Automobile repair	.27	.42	.32	.10	.13	.05	.02	.02	.00
Automobile services,exc repair	.07	.06	.10	.01	.02	.02	.00	.00	.00
Other repair services	.51	.77	.65	3.14	4.75	3.55	.03	.07	.11
Electrical repair	.03	.03	.05	.02	.02	.02	.00	.00	.00
Other repair,exc electrical	.47	.74	.59	3.12	4.73	3.53	.03	.07	.11
Motion pictures and theaters	.06	.05	.06	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.01	.03	.04	.01	.03	.05	.00	.00	.00
Other entertainment	.01	.03	.03	.01	.03	.05	.00	.00	.00
Medical and other health service	.70	.94	2.17	.02	.03	.05	.00	.00	.00
Offices of physicians	.00	.00	.01	.00	.00	.00	.00	.00	.00
Hospitals	.57	.69	1.32	.02	.03	.05	.00	.00	.00
Convalescent institutions	.09	.16	.76	.00	.00	.00	.00	.00	.00
Other health services	.02	.07	.06	.00	.00	.00	.00	.00	.00
Educational services	.34	.43	.51	.10	.12	.07	.00	.00	.00
Elementary and secondary school	.08	.11	.11	.04	.05	.02	.00	.00	.00
Colleges and universities	.22	.29	.35	.04	.04	.03	.00	.00	.00
Libraries	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other educational services	.02	.03	.03	.02	.02	.01	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.01	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.12	.15	.25	.07	.10	.14	.00	.00	.00
Religious organizations	.02	.03	.04	.00	.00	.00	.00	.00	.00
Welfare services	.05	.06	.10	.00	.00	.00	.00	.00	.00
Residential welfare services	.01	.01	.04	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztas	.03	.04	.06	.07	.10	.14	.00	.00	.00
Private housechlds	.02	.03	.02	.00	.00	.00	.00	.00	.00
Other professional services	.09	.13	.12	.02	.03	.02	.00	.00	.00
Engineering and architectural	.06	.09	.08	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.02	.03	.03	.02	.03	.02	.00	.00	.00
Government,total	.50	.54	.44	.66	.67	.69	.22	.22	.23
Federal public administration	.33	.31	.25	.52	.46	.30	.19	.18	.23
Postal services	.01	.01	.01	.01	.01	.00	.00	.00	.00
Federal pub adm,exc post office	.31	.29	.23	.51	.45	.29	.19	.18	.23
State public administration	.04	.06	.05	.03	.05	.10	.00	.00	.00
Local public administration	.12	.16	.13	.09	.15	.29	.02	.02	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furnace tender, smelter, pourer			Grinding machine operatives			Heaters, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.01	.00	.00	.00	.01	.02	.00	.00	.00
Agriculture	.01	.00	.00	.00	.01	.02	.00	.00	.00
Agricultural production	.01	.00	.00	.00	.00	.00	.00	.00	.00
Services, except horticulture	.00	.00	.00	.00	.01	.02	.00	.00	.00
Mining	.29	.29	.26	.58	.77	.60	.08	.13	.46
Metal	.29	.29	.26	.08	.08	.08	.08	.13	.46
Coal	.00	.00	.00	.03	.04	.05	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.39	.58	.43	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.06	.06	.04	.00	.00	.00
Construction	.00	.00	.00	.10	.18	.40	.00	.00	.00
Special trade contractors	.00	.00	.00	.10	.18	.40	.00	.00	.00
Manufacturing	98.99	98.84	98.88	96.34	95.09	95.59	98.98	98.82	98.67
Durable goods	97.88	97.72	97.42	94.46	93.47	94.54	98.62	98.49	98.67
Ordnance	.12	.07	.10	.86	.49	.63	.54	.26	.00
Lumber and wood products	.03	.04	.09	.57	.49	.48	.00	.00	.00
Logging	.00	.00	.00	.01	.01	.00	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.44	.39	.39	.00	.00	.00
Miscellaneous wood products	.03	.04	.09	.11	.08	.07	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.26	.24	.16	.10	.09	.00
Stone, clay, and glass products	1.59	1.79	2.17	1.02	.91	.51	.18	.37	1.35
Glass and glass products	.35	.40	.53	.11	.10	.07	.18	.37	1.35
Cement, concrete, plaster	.13	.15	.18	.14	.12	.05	.00	.00	.00
Structural clay products	.12	.11	.09	.10	.07	.03	.00	.00	.00
Pottery and related products	.35	.42	.57	.16	.14	.09	.00	.00	.00
Miscellaneous nonmetallic, stone	.62	.70	.79	.49	.46	.26	.00	.00	.00
Primary metal industries	68.71	65.36	59.91	16.16	13.51	12.15	75.42	72.90	75.21
Blast furnaces, steel works	26.34	22.03	15.71	4.78	3.55	2.31	49.12	46.06	48.51
Other primary steel	19.66	20.16	22.52	8.48	7.02	6.65	22.29	23.53	25.80
Primary aluminum	9.16	10.05	8.45	1.24	1.35	1.37	1.93	1.62	.33
Other primary nonferrous	13.54	13.11	13.22	1.64	1.57	1.82	2.06	1.67	.55
Fabricated metal products	9.73	10.70	12.37	12.48	12.58	11.53	6.66	7.83	10.28
Cutlery and other hardware	.81	.96	1.24	3.13	3.31	3.06	.84	1.26	2.51
Fabricated structural metal	2.71	3.25	4.79	2.43	2.33	1.62	2.45	3.25	5.73
Screw machine products	.80	.82	.80	1.68	1.63	1.49	.77	.58	.10
Metal stamping	.88	.89	.87	1.06	1.09	1.34	.78	.88	.91
Miscellaneous fabricated metal	4.51	4.75	4.64	4.17	4.20	4.00	1.81	1.85	1.01
Machinery except electrical	6.87	7.77	8.97	39.33	42.30	48.74	5.37	6.14	5.83
Engines and turbines	.38	.44	.41	2.37	2.76	3.11	.44	.44	.16
Farm machinery and equipment	.72	.82	.94	1.35	1.29	.80	.48	.79	2.01
Construction machines	1.00	1.21	1.33	3.78	4.51	5.55	.82	.94	.64
Metalworking machinery	1.16	1.27	1.52	13.60	14.17	15.83	1.53	1.77	1.58
Office and accounting machines	.09	.08	.02	.51	.34	.20	.00	.00	.00
Electronic computing equipment	.06	.08	.13	.37	.45	.70	.00	.00	.00
Other machinery, exc electrical	3.42	3.84	4.59	17.32	18.76	22.51	2.09	2.19	1.42
Electrical machinery	4.79	4.99	5.31	5.61	5.79	7.45	2.02	1.91	.00
Household appliances	.40	.36	.30	.90	.83	.99	.26	.23	.00
Radio, tv communications equip	.58	.51	.48	.89	.80	.97	.00	.00	.00
Other electrical machinery	3.80	4.11	4.53	3.81	4.15	5.48	1.76	1.67	.00
Transportation equipment	5.51	6.38	7.62	16.92	15.92	11.73	8.10	8.80	5.98
Motor vehicles and equipment	3.96	4.87	6.11	9.84	10.29	7.98	5.86	6.59	4.14
Aircraft and parts	.86	.72	.55	6.09	4.50	2.52	1.48	1.47	1.66
Ship, boat building and repair	.28	.28	.26	.32	.29	.23	.17	.20	.00
Railroad equipment	.26	.30	.23	.50	.59	.60	.52	.41	.05
Mobile dwellings	.05	.07	.29	.03	.04	.11	.00	.00	.00
Cycles, misc transportation	.08	.13	.16	.12	.19	.28	.06	.10	.12
Professional, scientific instrs	.17	.24	.45	.62	.71	.80	.00	.00	.00
Scientific instruments	.04	.05	.11	.27	.28	.28	.00	.00	.00
Optical, health serv supplies	.06	.10	.17	.21	.31	.42	.00	.00	.00
Photo equipment and supplies	.06	.07	.14	.11	.10	.09	.00	.00	.00
Watches and clock devices	.00	.00	.01	.02	.01	.00	.00	.00	.00
Miscellaneous manufacturing	.31	.33	.39	.57	.50	.32	.18	.16	.00
Nondurable goods	1.11	1.11	1.45	1.87	1.62	1.05	.36	.32	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furnace tender, smelter, pourer			Grinding machine operatives			Heaters, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.54	.45	.27	.00	.00	.00
Meat	.00	.00	.00	.31	.26	.15	.00	.00	.00
Canning and preserving	.00	.00	.00	.07	.06	.04	.00	.00	.00
Grain mill	.00	.00	.00	.04	.03	.01	.00	.00	.00
Bakery	.00	.00	.00	.01	.00	.00	.00	.00	.00
Confectionery	.00	.00	.00	.02	.01	.01	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.07	.06	.04	.00	.00	.00
Textile mill products	.03	.01	.00	.09	.07	.03	.05	.04	.00
Dyeing, finishing textiles	.00	.00	.00	.01	.01	.00	.00	.00	.00
Yarn and fabric mills	.03	.01	.00	.05	.03	.01	.05	.04	.00
Miscellaneous textile mill	.00	.00	.00	.01	.01	.01	.00	.00	.00
Apparel and textile products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and accessories	.00	.00	.00	.02	.01	.00	.00	.00	.00
Paper and allied products	.17	.17	.23	.34	.24	.10	.00	.00	.00
Pulp, paper paperboard mills	.17	.17	.23	.20	.14	.06	.00	.00	.00
Paperboard containers, boxes	.00	.00	.00	.05	.03	.00	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.08	.07	.03	.00	.00	.00
Printing and publishing	.24	.29	.46	.05	.04	.04	.00	.00	.00
Newspaper publishing, printing	.24	.29	.46	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.00	.00	.00	.05	.04	.04	.00	.00	.00
Chemicals and allied products	.66	.63	.75	.31	.27	.28	.22	.20	.00
Industrial chemicals	.49	.47	.52	.15	.13	.08	.22	.20	.00
Plastics and synthetics	.02	.02	.02	.05	.04	.03	.00	.00	.00
Synthetic fibers	.00	.00	.00	.01	.01	.01	.00	.00	.00
Soaps and cosmetics	.01	.01	.02	.00	.00	.00	.00	.00	.00
Paints and varnishes	.00	.00	.00	.03	.04	.06	.00	.00	.00
Agricultural chemicals	.04	.05	.05	.01	.01	.01	.00	.00	.00
Miscellaneous chemicals	.09	.07	.12	.03	.02	.06	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.02	.02	.01	.00	.00	.00
Petroleum refining	.00	.00	.00	.01	.01	.00	.00	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.45	.47	.29	.08	.07	.00
Rubber	.00	.00	.00	.23	.20	.15	.08	.07	.00
Miscellaneous plastics	.00	.00	.00	.21	.26	.14	.00	.00	.00
Leather products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.01	.01	.00	.00	.00	.00
Transportation, other public util	.07	.06	.04	.17	.11	.03	.14	.10	.00
Transportation, total	.07	.06	.04	.17	.11	.03	.14	.10	.00
Railroads and railway express	.07	.06	.04	.14	.09	.03	.14	.10	.00
Air transportation	.00	.00	.00	.01	.00	.00	.00	.00	.00
Wholesale and retail trade	.52	.61	.53	.80	.93	1.09	.78	.94	.85
Wholesale trade	.52	.61	.53	.65	.75	.83	.69	.85	.85
Wholesale, exc misc whlsle trade	.00	.00	.00	.45	.52	.49	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.12	.13	.09	.00	.00	.00
Electrical goods	.00	.00	.00	.04	.04	.07	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.07	.08	.09	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	.21	.25	.22	.00	.00	.00
Miscellaneous wholesale trade	.52	.61	.53	.20	.22	.34	.69	.85	.85
Metals and minerals, other	.26	.25	.24	.13	.13	.17	.22	.25	.28
Scrap and waste material	.24	.34	.28	.01	.02	.02	.34	.43	.14
Lumber, construction materials	.00	.00	.00	.02	.03	.07	.12	.16	.42
Other wholesale trade	.01	.01	.00	.02	.03	.07	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Furnace tender, smelter, pourer			Grinding machine operatives			Heaters, metal		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.14	.18	.26	.09	.09	.00
General merchandise, total	.00	.00	.00	.03	.03	.08	.00	.00	.00
Vending machine operators	.00	.00	.00	.03	.03	.08	.00	.00	.00
Auto dealers, gas stations	.00	.00	.00	.07	.11	.14	.09	.09	.00
Motor vehicle dealers	.00	.00	.00	.03	.03	.05	.09	.09	.00
Tire, battery, accessory dealers	.00	.00	.00	.04	.07	.08	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.01	.01	.03	.00	.00	.00
Home furnishings	.00	.00	.00	.01	.01	.03	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.01	.01	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.01	.01	.00	.00	.00	.00
Services, total	.08	.18	.27	1.85	2.76	2.13	.00	.00	.00
Miscellaneous business services	.01	.02	.02	.04	.05	.08	.00	.00	.00
Commercial research, development	.00	.01	.02	.02	.03	.07	.00	.00	.00
Computer programming	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other repair services	.06	.15	.24	1.78	2.68	2.01	.00	.00	.00
Electrical repair	.00	.00	.00	.00	.00	.01	.00	.00	.00
Other repair, exc electrical	.06	.15	.24	1.78	2.67	2.00	.00	.00	.00
Other professional services	.00	.00	.00	.00	.01	.02	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.00	.01	.02	.00	.00	.00
Government, total	.00	.00	.00	.13	.12	.10	.00	.00	.00
Federal public administration	.00	.00	.00	.10	.09	.10	.00	.00	.00
Federal pub adm, exc post office	.00	.00	.00	.10	.09	.10	.00	.00	.00
Local public administration	.00	.00	.00	.02	.02	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lathe, millng mach operatives			Metal platers			Other precision mach oprs		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.01	.01	.01	.00	.00	.00	.01	.01	.00
Fisheries	.00	.01	.01	.00	.00	.00	.00	.00	.00
Mining	.18	.21	.12	.00	.00	.00	.08	.09	.01
Crude petroleum and natural gas	.11	.15	.08	.00	.00	.00	.05	.05	.00
Nonmetallic mining and quarrying	.07	.06	.04	.00	.00	.00	.03	.03	.01
Construction	.56	.72	.87	.00	.00	.00	.52	.65	.89
General building contractors	.00	.00	.00	.00	.00	.00	.03	.02	.00
General contractors,exc building	.00	.00	.00	.00	.00	.00	.32	.38	.50
Special trade contractors	.56	.72	.87	.00	.00	.00	.17	.24	.38
Manufacturing	96.23	95.74	95.73	94.32	93.28	93.26	97.31	96.94	96.80
Durable goods	92.01	92.02	93.32	90.88	90.47	91.67	93.37	93.66	94.67
Ordnance	1.67	.87	.80	1.38	.80	.95	.99	.55	.63
Lumber and wood products	2.17	1.84	.98	.18	.11	.08	1.05	.83	.38
Logging	.03	.02	.01	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	1.29	1.13	.61	.00	.00	.00	.63	.51	.22
Miscellaneous wood products	.84	.68	.35	.18	.11	.08	.40	.31	.15
Furniture and fixtures	1.60	1.46	.89	.60	.48	.14	3.55	3.07	1.61
Stone,clay,and glass products	2.05	1.70	.69	.65	.47	.11	.49	.37	.12
Glass and glass products	.78	.62	.23	.25	.16	.02	.16	.11	.04
Cement,concrete,plaster	.42	.35	.13	.02	.02	.00	.05	.04	.01
Structural clay products	.03	.02	.00	.03	.02	.00	.05	.03	.00
Pottery and related products	.18	.16	.08	.18	.13	.02	.04	.03	.01
Miscellaneous nonmetallic,stone	.62	.53	.23	.15	.13	.05	.18	.14	.05
Primary metal industries	6.74	5.51	3.96	3.93	3.07	2.24	3.13	2.50	1.70
Blast furnaces,steel works	2.92	2.06	1.06	1.20	.67	.11	1.07	.72	.33
Other primary steel	2.24	1.84	1.14	1.00	.64	.12	1.10	.81	.35
Primary aluminum	.58	.63	.63	.18	.21	.25	.38	.42	.46
Other primary nonferrous	.99	.97	1.13	1.55	1.53	1.74	.56	.53	.55
Fabricated metal products	9.85	10.03	9.78	44.18	45.99	45.74	16.35	16.08	14.54
Cutlery and other hardware	1.42	1.45	1.12	3.60	3.28	1.46	1.70	1.67	1.20
Fabricated structural metal	1.53	1.39	.75	.55	.46	.16	1.06	.92	.43
Screw machine products	1.65	1.70	1.82	2.21	2.31	2.53	9.80	9.58	8.75
Metal stamping	1.08	1.11	1.34	1.94	2.02	2.40	.95	.97	1.12
Miscellaneous fabricated metal	4.14	4.37	4.73	35.87	37.91	39.17	2.82	2.92	3.01
Machinery except electrical	41.13	45.32	54.57	7.59	8.22	10.60	45.10	48.70	57.43
Engines and turbines	2.08	2.44	2.74	.58	.71	.87	2.36	2.74	2.92
Farm machinery and equipment	1.66	1.50	.76	.17	.12	.02	1.00	.85	.35
Construction machines	5.72	6.91	8.64	.41	.51	.69	3.51	4.21	5.22
Metalworking machinery	8.28	8.75	10.05	.95	1.05	1.37	8.40	8.75	9.79
Office and accounting machines	.32	.19	.07	.89	.47	.09	.92	.56	.24
Electronic computing equipment	.38	.47	.77	1.23	1.59	2.91	.20	.25	.39
Other machinery,exc electrical	22.66	25.02	31.50	3.34	3.75	4.64	28.68	31.32	38.49
Electrical machinery	7.97	8.08	9.00	17.72	18.64	23.31	7.66	7.77	9.08
Household appliances	.56	.52	.62	1.17	1.12	1.33	1.12	1.02	1.16
Radio,tv communications equip	1.25	1.12	1.27	4.32	4.00	4.75	1.54	1.36	1.18
Other electrical machinery	6.15	6.43	7.11	12.22	13.51	17.22	4.99	5.38	6.72
Transportation equipment	15.11	13.37	9.00	8.01	7.09	5.00	11.83	10.78	6.85
Motor vehicles and equipment	5.84	5.87	3.72	3.30	2.92	1.00	7.49	7.18	4.02
Aircraft and parts	7.71	5.93	3.85	3.73	3.05	2.34	3.72	2.86	1.91
Ship,boat building and repair	.76	.62	.42	.33	.19	.10	.19	.16	.05
Railroad equipment	.63	.71	.56	.17	.22	.25	.29	.35	.39
Mobile dwellings	.06	.07	.22	.11	.15	.47	.03	.05	.19
Cycles,misc transportation	.09	.15	.21	.33	.55	.83	.09	.15	.26
Professional,scientific instrs	2.57	2.86	3.08	2.49	2.61	2.72	2.21	2.17	1.92
Scientific instruments	1.45	1.51	1.56	.96	1.04	1.17	1.11	1.15	1.15
Optical,health serv supplies	.66	.97	1.33	.59	.88	1.32	.28	.39	.47
Photo equipment and supplies	.33	.29	.16	.45	.37	.14	.25	.23	.15
Watches and clock devices	.11	.08	.02	.48	.32	.09	.55	.38	.15
Miscellaneous manufacturing	1.09	.93	.51	4.09	2.96	.75	.97	.79	.37
Nondurable goods	4.21	3.72	2.41	3.43	2.80	1.58	3.93	3.27	2.12

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lathe, milling mach operatives			Metal platers			Other precision mach oprs		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.45	.31	.14	.11	.08	.00	.33	.24	.10
Meat	.01	.01	.02	.00	.00	.00	.06	.05	.02
Canning and preserving	.12	.09	.03	.08	.06	.00	.08	.06	.02
Grain mill	.13	.09	.04	.00	.00	.00	.05	.04	.02
Bakery	.05	.03	.00	.03	.02	.00	.05	.03	.00
Confectionery	.02	.01	.00	.00	.00	.00	.01	.00	.00
Beverages	.02	.02	.02	.00	.00	.00	.02	.02	.02
Miscellaneous food preparation	.07	.04	.01	.00	.00	.00	.03	.03	.01
Tobacco manufacturing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Textile mill products	.34	.26	.17	.20	.15	.13	1.40	1.02	.66
Knitting mills	.00	.00	.00	.01	.01	.00	.22	.18	.19
Dyeing,finishing textiles	.02	.01	.00	.10	.06	.01	.05	.03	.00
Floor coverings	.03	.02	.00	.00	.00	.00	.07	.06	.04
Yarn and fabric mills	.22	.17	.11	.08	.07	.12	.96	.68	.39
Miscellaneous textile mill	.05	.05	.05	.00	.00	.00	.10	.06	.02
Apparel and textile products	.08	.07	.04	.23	.17	.02	.44	.39	.30
Apparel and accessories	.02	.01	.00	.03	.02	.00	.30	.26	.24
Miscellaneous fabricated textile	.05	.05	.04	.20	.14	.02	.14	.12	.06
Paper and allied products	.51	.36	.15	.24	.19	.05	.24	.17	.06
Pulp,paper paperboard mills	.21	.15	.06	.07	.06	.05	.09	.05	.00
Paperboard containers,boxes	.16	.11	.06	.05	.03	.00	.08	.06	.06
Miscellaneous paper and pulp	.13	.09	.03	.11	.09	.00	.06	.05	.00
Printing and publishing	.17	.13	.07	.93	.67	.27	.15	.10	.00
Newspaper publishing, printing	.00	.00	.00	.08	.08	.15	.02	.01	.00
Other printing,exc newspapers	.17	.13	.07	.85	.59	.11	.12	.09	.00
Chemicals and allied products	.80	.68	.58	.65	.55	.70	.46	.41	.49
Industrial chemicals	.32	.28	.25	.20	.19	.26	.07	.07	.09
Plastics and synthetics	.12	.09	.06	.15	.14	.19	.07	.06	.07
Synthetic fibers	.09	.07	.05	.00	.00	.00	.09	.09	.12
Drugs and medicines	.04	.04	.02	.00	.00	.00	.04	.04	.01
Soaps and cosmetics	.05	.05	.05	.03	.03	.03	.07	.07	.09
Paints and varnishes	.03	.03	.01	.00	.00	.00	.01	.00	.00
Agricultural chemicals	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.10	.07	.09	.25	.18	.21	.08	.06	.09
Petroleum and coal products	.10	.09	.04	.00	.00	.00	.04	.03	.00
Petroleum refining	.08	.07	.03	.00	.00	.00	.04	.03	.00
Misc petroleum,coal products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	1.61	1.70	1.13	.65	.73	.32	.77	.81	.45
Rubber	.82	.71	.59	.15	.10	.00	.28	.22	.12
Miscellaneous plastics	.79	.98	.54	.50	.63	.32	.48	.59	.33
Leather products	.11	.08	.04	.40	.24	.06	.07	.04	.00
Leather tanning and finishing	.01	.01	.00	.20	.11	.02	.00	.00	.00
Footwear, except rubber	.06	.04	.02	.04	.03	.03	.03	.01	.00
All other leather	.03	.02	.01	.15	.08	.01	.02	.02	.00
Transportation, other public util	.38	.31	.26	.61	.50	.38	.23	.21	.15
Transportation,total	.30	.21	.13	.61	.50	.38	.20	.18	.15
Railroads and railway express	.20	.12	.03	.12	.07	.00	.11	.06	.00
Local and interurban transit	.03	.02	.04	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.03	.02	.04	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.02	.01	.00	.03	.02	.00	.06	.09	.15
Trucking services	.02	.01	.00	.03	.02	.00	.06	.09	.15
Air transportation	.04	.04	.05	.46	.40	.38	.01	.01	.00
Communicatns,utils,sanitary serv	.07	.10	.12	.00	.00	.00	.03	.02	.00
Utilities and sanitary services	.07	.10	.12	.00	.00	.00	.03	.02	.00
Electric light and power	.03	.05	.06	.00	.00	.00	.02	.02	.00
Electric-gas utilities	.04	.04	.06	.00	.00	.00	.01	.00	.00
Wholesale and retail trade	1.91	2.17	2.19	1.77	2.10	2.62	1.31	1.46	1.50
Wholesale trade	1.62	1.84	1.77	1.61	1.93	2.44	1.09	1.22	1.24

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Lathe, milling mach operatives			Metal platers			Other precision mach oprs		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.17	1.38	1.25	1.14	1.34	1.51	.91	1.00	.87
Motor vehicles and equipment	.20	.23	.21	.32	.33	.21	.25	.29	.30
Drugs,chemicals,allied product	.01	.01	.01	.05	.06	.06	.02	.02	.02
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.02	.01	.01
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.01	.01	.00
Electrical goods	.13	.13	.14	.33	.42	.76	.20	.22	.27
Hardware and plumbing	.10	.12	.13	.12	.16	.24	.07	.07	.08
Machinery equipment,supplies	.71	.87	.74	.30	.36	.23	.32	.34	.17
Miscellaneous wholesale trade	.44	.46	.52	.46	.59	.92	.18	.22	.36
Metals and minerals, other	.18	.18	.23	.13	.16	.29	.05	.05	.10
Petroleum products	.01	.01	.01	.00	.00	.00	.02	.02	.02
Scrap and waste material	.02	.02	.02	.01	.03	.02	.00	.01	.00
Lumber,construction materials	.11	.11	.12	.00	.00	.00	.04	.05	.11
Other wholesale trade	.11	.12	.11	.30	.39	.60	.05	.07	.11
Retail trade	.29	.32	.41	.16	.17	.18	.21	.24	.26
Building materials	.11	.09	.02	.00	.00	.00	.00	.00	.00
Lumber,building material	.07	.06	.01	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.04	.03	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	.08	.09	.14	.04	.04	.06	.08	.09	.14
Vending machine operators	.04	.05	.07	.04	.04	.06	.08	.09	.14
Miscellaneous merchandise store	.04	.04	.07	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.04	.06	.07	.09	.10	.12	.07	.10	.12
Motor vehicle dealers	.01	.01	.00	.06	.05	.00	.00	.00	.00
Tire,battery,accessory dealers	.03	.05	.07	.02	.05	.12	.07	.10	.12
Furniture and appliance stores	.02	.02	.05	.00	.00	.00	.03	.03	.00
Home furnishings	.01	.01	.03	.00	.00	.00	.03	.03	.00
Household appliances,tv,radio	.00	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.02	.04	.12	.01	.02	.00	.00	.00	.00
Misc retail trade stores	.01	.03	.11	.01	.02	.00	.00	.00	.00
Services, total	.28	.48	.63	.37	.72	1.14	.20	.30	.37
Miscellaneous business services	.06	.10	.28	.11	.19	.51	.06	.09	.17
Commercial research,development	.05	.09	.26	.05	.07	.12	.04	.06	.14
Computer programing	.00	.00	.01	.05	.09	.38	.02	.02	.02
Services to buildings	.00	.00	.00	.01	.02	.00	.00	.00	.00
Other repair services	.16	.29	.25	.20	.41	.49	.11	.20	.19
Other repair,exc electrical	.16	.29	.25	.20	.41	.49	.11	.19	.19
Educational services	.01	.00	.00	.01	.01	.00	.00	.00	.00
Elementary and secondary school	.01	.00	.00	.01	.01	.00	.00	.00	.00
Other professional services	.05	.07	.09	.04	.10	.14	.01	.00	.00
Miscellaneous professional serv	.05	.07	.09	.04	.10	.14	.01	.00	.00
Government,total	.42	.33	.17	2.90	3.38	2.57	.31	.31	.25
Federal public administration	.38	.30	.17	2.90	3.38	2.57	.28	.29	.25
Postal services	.00	.00	.00	.00	.00	.00	.09	.11	.07
Federal pub adm,exc post office	.38	.30	.17	2.90	3.38	2.57	.19	.17	.18
State public administration	.01	.01	.00	.00	.00	.00	.00	.00	.00
Local public administration	.02	.01	.00	.00	.00	.00	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Punch, stamp press operatives			Solderers			Welders and flame- cutters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.01	.03	.02	.02	.04	.10	.14	.44	.37
Agriculture	.01	.03	.02	.02	.04	.10	.12	.40	.33
Agricultural production	.00	.00	.00	.00	.00	.00	.10	.39	.31
Horticultural services	.01	.03	.02	.02	.04	.10	.01	.01	.01
Forestry	.00	.00	.00	.00	.00	.00	.01	.02	.01
Fisheries	.00	.00	.00	.00	.00	.00	.00	.01	.02
Mining	.00	.00	.00	.00	.00	.00	2.13	2.43	2.40
Metal	.00	.00	.00	.00	.00	.00	.51	.48	.55
Coal	.00	.00	.00	.00	.00	.00	.47	.57	.58
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.59	.88	.91
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.54	.49	.36
Construction	.00	.00	.00	.34	.64	1.97	9.90	11.82	16.52
General building contractors	.00	.00	.00	.00	.00	.00	1.44	1.72	2.80
General contractors,exc building	.00	.00	.00	.00	.00	.00	3.07	3.41	4.45
Special trade contractors	.00	.00	.00	.34	.64	1.97	5.38	6.69	9.26
Manufacturing	98.71	98.50	98.44	95.07	93.31	88.92	70.10	65.78	64.82
Durable goods	93.58	94.04	95.98	93.37	91.75	88.27	65.85	62.09	61.00
Ordnance	.45	.26	.34	1.67	.94	.77	.63	.29	.22
Lumber and wood products	.31	.23	.11	.17	.16	.07	.45	.48	.60
Logging	.00	.00	.00	.01	.01	.00	.02	.02	.02
Sawmill,planing and mill work	.14	.11	.04	.07	.06	.00	.33	.35	.40
Miscellaneous wood products	.16	.11	.06	.08	.07	.07	.09	.09	.17
Furniture and fixtures	1.54	1.43	.89	.18	.20	.20	1.44	1.45	1.85
Stone,clay,and glass products	1.35	1.04	.28	.19	.18	.11	1.54	1.44	1.37
Glass and glass products	.17	.11	.02	.09	.09	.07	.20	.19	.22
Cement,concrete,plaster	.12	.09	.02	.00	.00	.00	.91	.84	.75
Structural clay products	.04	.02	.00	.00	.00	.00	.11	.08	.05
Pottery and related products	.08	.06	.02	.00	.00	.00	.03	.03	.02
Miscellaneous nonmetallic,stone	.92	.74	.21	.09	.08	.04	.27	.28	.30
Primary metal industries	7.21	6.35	5.22	1.46	1.41	1.12	6.91	5.73	5.09
Blast furnaces,steel works	1.60	1.02	.31	.08	.06	.00	3.10	2.39	1.55
Other primary steel	2.33	1.82	.86	.20	.17	.00	2.63	2.35	2.84
Primary aluminum	1.54	1.76	1.91	.02	.03	.08	.50	.44	.30
Other primary nonferrous	1.73	1.74	2.13	1.14	1.13	1.03	.67	.53	.39
Fabricated metal products	33.18	34.03	35.62	3.44	3.46	2.49	16.34	15.99	18.57
Cutlery and other hardware	3.53	3.40	1.95	.29	.27	.10	.47	.48	.59
Fabricated structural metal	5.80	5.01	2.03	.71	.57	.12	10.33	10.81	14.59
Screw machine products	1.21	1.28	1.46	.07	.06	.03	.11	.09	.06
Metal stamping	15.42	16.44	21.00	.54	.59	.58	2.35	1.97	1.53
Miscellaneous fabricated metal	7.21	7.88	9.16	1.81	1.95	1.63	3.07	2.61	1.79
Machinery except electrical	13.81	15.15	18.97	9.11	10.27	10.70	15.21	14.79	14.30
Engines and turbines	.50	.62	.76	.33	.38	.27	.58	.56	.42
Farm machinery and equipment	1.81	1.51	.49	.25	.24	.36	1.92	1.93	2.14
Construction machines	1.62	2.05	2.83	.13	.17	.15	5.03	5.18	5.03
Metalworking machinery	2.33	2.59	3.42	.37	.40	.36	.96	.88	.83
Office and accounting machines	.72	.41	.12	.92	.56	.15	.11	.07	.05
Electronic computing equipment	.28	.36	.67	4.24	5.20	5.78	.11	.10	.10
Other machinery,exc electrical	6.53	7.57	10.65	2.83	3.28	3.60	6.47	6.04	5.71
Electrical machinery	15.75	16.27	20.05	57.28	58.04	63.79	5.94	4.78	3.30
Household appliances	3.61	3.48	4.31	1.40	1.42	1.71	1.15	.87	.63
Radio, tv communications equip	2.97	2.65	2.79	26.17	24.63	34.53	.80	.57	.51
Other electrical machinery	9.17	10.14	12.94	29.70	31.98	27.54	3.98	3.33	2.15
Transportation equipment	16.12	15.75	12.01	6.10	4.80	2.10	15.86	15.70	14.28
Motor vehicles and equipment	13.48	13.12	9.26	2.66	1.81	.15	7.48	7.69	6.70
Aircraft and parts	1.49	1.12	.61	2.99	2.52	1.71	1.61	1.13	.78
Ship,boat building and repair	.20	.17	.07	.21	.17	.07	4.57	4.50	4.06
Railroad equipment	.42	.53	.61	.09	.11	.08	1.29	1.28	.92
Mobile dwellings	.11	.15	.39	.03	.04	.00	.52	.55	1.17
Cycles,misc transportation	.38	.64	1.04	.10	.14	.08	.38	.52	.63
Professional,scientific instrs	1.60	1.75	1.85	7.14	7.95	6.35	.72	.69	.62
Scientific instruments	.60	.65	.72	4.36	4.56	3.37	.43	.36	.25
Optical,health serv supplies	.41	.61	.90	1.79	2.62	2.70	.17	.20	.18
Photo equipment and supplies	.35	.30	.13	.55	.38	.05	.10	.11	.18
Watches and clock devices	.23	.17	.08	.43	.37	.22	.01	.01	.00
Miscellaneous manufacturing	2.22	1.72	.59	6.58	4.30	.52	.75	.69	.74
Nondurable goods	5.12	4.46	2.46	1.70	1.56	.64	4.25	3.69	3.82

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Punch, stamp press operatives			Solderers			Welders and flame- cutters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.20	.14	.05	.30	.26	.12	.86	.79	.94
Meat	.00	.00	.00	.01	.01	.00	.11	.11	.12
Dairy	.01	.00	.00	.05	.03	.00	.05	.04	.04
Canning and preserving	.04	.03	.01	.08	.09	.12	.18	.19	.28
Grain mill	.05	.03	.01	.00	.01	.00	.10	.10	.12
Bakery	.01	.01	.01	.03	.02	.00	.01	.01	.01
Confectionery	.00	.00	.00	.00	.00	.00	.01	.01	.02
Beverages	.02	.02	.00	.07	.06	.00	.07	.06	.07
Miscellaneous food preparation	.02	.02	.00	.02	.01	.00	.28	.25	.25
Tobacco manufacturing	.02	.01	.00	.00	.00	.00	.02	.01	.01
Textile mill products	.11	.08	.06	.13	.11	.04	.20	.17	.23
Knitting mills	.01	.01	.01	.00	.00	.00	.01	.01	.03
Dyeing,finishing textiles	.02	.01	.00	.07	.05	.02	.01	.01	.02
Floor coverings	.00	.00	.00	.00	.00	.00	.03	.03	.08
Yarn and fabric mills	.04	.04	.03	.03	.02	.00	.11	.08	.07
Miscellaneous textile mill	.02	.01	.00	.02	.02	.02	.02	.01	.02
Apparel and textile products	.31	.25	.09	.09	.09	.11	.08	.08	.08
Apparel and accessories	.18	.14	.06	.07	.05	.00	.03	.03	.03
Miscellaneous fabricated textile	.13	.10	.02	.02	.03	.11	.05	.05	.05
Paper and allied products	.85	.62	.24	.09	.07	.00	.58	.46	.48
Pulp,paper paperboard mills	.16	.10	.02	.05	.04	.00	.43	.32	.30
Paperboard containers,boxes	.35	.24	.10	.00	.00	.00	.06	.05	.08
Miscellaneous paper and pulp	.33	.28	.12	.04	.03	.00	.08	.08	.09
Printing and publishing	.77	.54	.13	.08	.07	.00	.04	.04	.05
Newspaper publishing, printing	.15	.11	.03	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.61	.43	.09	.08	.07	.00	.03	.03	.04
Chemicals and allied products	.55	.47	.42	.30	.26	.15	1.51	1.23	1.27
Industrial chemicals	.23	.20	.18	.12	.12	.15	.85	.70	.74
Plastics and synthetics	.11	.08	.06	.04	.03	.00	.14	.10	.07
Synthetic fibers	.01	.01	.00	.00	.00	.00	.11	.10	.13
Drugs and medicines	.02	.01	.00	.00	.00	.00	.03	.04	.04
Soaps and cosmetics	.05	.04	.04	.03	.02	.00	.06	.05	.05
Paints and varnishes	.03	.02	.00	.00	.00	.00	.02	.02	.03
Agricultural chemicals	.01	.01	.02	.00	.00	.00	.12	.10	.08
Miscellaneous chemicals	.06	.05	.09	.11	.07	.00	.16	.10	.10
Petroleum and coal products	.03	.02	.00	.01	.01	.00	.48	.42	.31
Petroleum refining	.01	.01	.00	.01	.01	.00	.42	.36	.23
Misc petroleum,coal products	.01	.00	.00	.00	.00	.00	.05	.06	.07
Rubber,miscellaneous plastics	1.76	1.95	1.28	.29	.36	.00	.39	.41	.37
Rubber	.68	.64	.65	.01	.00	.00	.18	.15	.15
Miscellaneous plastics	1.08	1.31	.62	.28	.35	.00	.20	.26	.22
Leather products	.49	.34	.16	.36	.29	.20	.05	.03	.03
Leather tanning and finishing	.00	.00	.00	.02	.02	.00	.01	.00	.00
Footwear, except rubber	.30	.20	.08	.27	.22	.19	.02	.01	.00
All other leather	.18	.13	.07	.06	.05	.01	.02	.01	.02
Transportation, other public util	.20	.22	.18	.48	.54	.54	3.89	3.41	2.92
Transportation,total	.10	.08	.07	.09	.08	.00	2.21	1.78	1.47
Railroads and railway express	.06	.04	.01	.01	.00	.00	1.42	1.00	.68
Local and interurban transit	.01	.01	.05	.00	.00	.00	.04	.03	.08
Street railways and bus lines	.01	.01	.05	.00	.00	.00	.04	.03	.08
Trucking and warehousing	.02	.01	.00	.05	.05	.00	.27	.29	.25
Trucking services	.02	.01	.00	.05	.05	.00	.24	.27	.22
Warehousing and storage	.00	.00	.00	.00	.00	.00	.02	.02	.02
Water transportation	.00	.00	.00	.00	.00	.00	.23	.22	.19
Air transportation	.00	.00	.00	.02	.02	.00	.13	.12	.13
Pipelines	.00	.00	.00	.00	.00	.00	.05	.05	.04
Transportation services	.00	.00	.00	.00	.00	.00	.04	.05	.07
Communicatns,utils,sanitary serv	.09	.14	.12	.39	.45	.54	1.67	1.63	1.44
Communications	.00	.00	.00	.35	.41	.54	.02	.02	.04
Telephone(wire and radio)	.00	.00	.00	.35	.41	.54	.02	.02	.04
Utilities and sanitary services	.09	.14	.12	.04	.04	.00	1.65	1.60	1.40
Electric light and power	.07	.12	.11	.02	.02	.00	.51	.61	.42
Electric-gas utilities	.02	.01	.00	.01	.01	.00	.47	.39	.35
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.53	.44	.41
Water supply	.00	.00	.00	.00	.00	.00	.05	.06	.08
Sanitary services	.00	.00	.00	.00	.00	.00	.06	.07	.12
Wholesale and retail trade	.93	1.06	1.16	2.44	3.21	4.60	4.32	4.63	4.62
Wholesale trade	.85	.97	1.05	2.21	2.96	4.45	3.61	3.81	3.66

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Punch, stamp press operatives			Solderers			Welders and flame- cutters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.56	.65	.65	1.76	2.45	4.01	1.94	2.15	2.26
Motor vehicles and equipment	.07	.07	.04	.05	.09	.26	.36	.40	.47
Drugs,chemicals,allied product	.01	.01	.01	.00	.00	.00	.04	.03	.02
Food and related products	.00	.00	.00	.00	.00	.00	.05	.05	.04
Electrical goods	.19	.22	.29	1.00	1.28	2.04	.19	.18	.17
Hardware and plumbing	.02	.03	.04	.07	.10	.20	.11	.11	.08
Machinery equipment,supplies	.24	.30	.26	.63	.97	1.50	1.16	1.37	1.46
Miscellaneous wholesale trade	.29	.32	.40	.45	.51	.43	1.67	1.66	1.40
Metals and minerals, other	.14	.15	.21	.00	.00	.00	.61	.52	.50
Petroleum products	.00	.00	.00	.00	.00	.00	.07	.08	.10
Scrap and waste material	.01	.01	.00	.02	.04	.04	.65	.75	.51
Paper and paper products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Lumber,construction materials	.05	.05	.07	.00	.00	.00	.18	.16	.17
Other wholesale trade	.08	.09	.11	.42	.47	.38	.12	.11	.09
Retail trade	.07	.08	.10	.22	.24	.15	.71	.81	.95
Building materials	.02	.01	.01	.00	.00	.00	.28	.29	.30
Lumber,building material	.00	.00	.00	.00	.00	.00	.13	.15	.13
Hardware and farm equipment	.02	.01	.01	.00	.00	.00	.15	.14	.16
General merchandise,total	.00	.00	.00	.04	.02	.00	.05	.05	.10
Department stores,mail order	.00	.00	.00	.00	.00	.00	.01	.02	.04
Vending machine operators	.00	.00	.00	.01	.01	.00	.01	.01	.01
Direct selling	.00	.00	.00	.02	.01	.00	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.01	.01	.03
Food and dairy stores	.00	.00	.00	.00	.00	.00	.01	.02	.04
Grocery stores	.00	.00	.00	.00	.00	.00	.01	.02	.04
Auto dealers,gas stations	.02	.02	.02	.06	.09	.15	.19	.24	.26
Motor vehicle dealers	.01	.01	.00	.02	.02	.00	.06	.05	.03
Tire,battery,accessory dealrs	.01	.01	.02	.00	.00	.00	.04	.06	.08
Gasoline service stations	.00	.00	.00	.00	.00	.00	.04	.06	.06
Miscellaneous vehicle dealers	.00	.00	.00	.04	.07	.15	.04	.07	.08
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.01	.02	.04
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.01	.02	.04
Furniture and appliance stores	.01	.01	.01	.10	.12	.00	.04	.05	.07
Home furnishings	.00	.00	.00	.05	.06	.00	.01	.01	.01
Household appliances,tv,radio	.01	.01	.01	.04	.05	.00	.03	.04	.05
Miscellaneous retail trade	.02	.03	.06	.00	.00	.00	.10	.11	.12
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.04	.05	.04
Jewelry stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.03	.02	.02
Misc retail trade stores	.02	.03	.05	.00	.00	.00	.02	.03	.04
Finance,insurance and real estate	.00	.00	.00	.00	.00	.00	.03	.04	.04
Real estate	.00	.00	.00	.00	.00	.00	.03	.04	.04
Services, total	.09	.15	.18	.87	1.33	1.96	8.32	10.41	7.24
Other personal services	.00	.00	.00	.00	.00	.00	.01	.00	.00
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous business services	.05	.07	.07	.55	.90	1.60	.24	.30	.32
Advertising	.00	.00	.00	.00	.00	.00	.03	.03	.02
Commercial research,development	.00	.01	.02	.13	.22	.38	.05	.07	.11
Computer programing	.03	.04	.05	.30	.44	.67	.00	.00	.00
Services to buildings	.01	.01	.00	.00	.00	.00	.02	.02	.01
Other business services	.00	.00	.00	.11	.24	.53	.12	.16	.16
Automobile services	.00	.00	.00	.00	.00	.00	.29	.32	.14
Automobile repair	.00	.00	.00	.00	.00	.00	.25	.28	.09
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.04	.04	.04
Other repair services	.03	.07	.10	.22	.27	.15	7.18	9.14	6.13
Electrical repair	.00	.00	.00	.08	.07	.06	.05	.04	.04
Other repair,exc electrical	.03	.07	.10	.13	.20	.08	7.13	9.09	6.09
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.01	.00	.01
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.03	.06	.09
Other entertainment	.00	.00	.00	.00	.00	.00	.02	.06	.09

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Punch, stamp press operatives			Solderers			Welders and flame- cutters		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.00	.00	.00	.06	.07	.09
Hospitals	.00	.00	.00	.00	.00	.00	.06	.07	.09
Educational services	.01	.00	.00	.03	.03	.00	.25	.25	.13
Elementary and secondary school	.01	.00	.00	.03	.03	.00	.09	.09	.04
Colleges and universities	.00	.00	.00	.00	.00	.00	.10	.09	.05
Other educational services	.00	.00	.00	.00	.00	.00	.04	.05	.03
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.18	.20	.26
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.18	.20	.26
Other professional services	.00	.00	.00	.05	.11	.21	.02	.03	.01
Miscellaneous professional serv	.00	.00	.00	.05	.11	.21	.02	.03	.01
Government, total	.02	.02	.00	.75	.90	1.88	1.13	1.00	1.04
Federal public administration	.00	.00	.00	.69	.83	1.88	.85	.60	.32
Postal services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Federal pub adm, exc post office	.00	.00	.00	.69	.83	1.88	.83	.58	.31
State public administration	.00	.00	.00	.00	.00	.00	.08	.11	.18
Local public administration	.02	.01	.00	.05	.06	.00	.20	.28	.53

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Semiskilled textile operatives			Carding, lapping, combing oprs			Knitters, loopers, toppers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Nondurable goods	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Textile mill products	92.51	91.23	87.75	94.56	94.84	97.19	94.78	92.50	87.35
Knitting mills	18.99	19.51	21.24	2.93	2.88	2.36	83.82	80.28	72.19
Dyeing,finishing textiles	6.27	6.24	4.76	.94	.97	.81	.72	.81	.76
Floor coverings	3.96	4.36	5.47	1.25	1.44	1.77	.63	.85	1.62
Yarn and fabric mills	56.77	54.53	50.15	83.99	84.61	89.06	8.71	9.52	11.34
Miscellaneous textile mill	6.50	6.58	6.12	5.42	4.92	3.18	.88	1.01	1.43
Apparel and textile products	1.25	1.68	2.44	.57	.59	.18	4.77	6.85	11.17
Apparel and accessories	.61	.80	1.21	.10	.10	.00	4.20	5.86	9.29
Miscellaneous fabricated textile	.63	.88	1.23	.46	.48	.18	.57	.99	1.87
Paper and allied products	.04	.05	.08	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.04	.05	.08	.00	.00	.00	.00	.00	.00
Chemicals and allied products	6.18	7.03	9.71	4.86	4.56	2.62	.43	.63	1.47
Plastics and synthetics	.00	.00	.00	.10	.14	.37	.00	.00	.00
Synthetic fibers	6.15	7.00	9.64	4.71	4.39	2.24	.43	.63	1.47
Miscellaneous chemicals	.02	.02	.05	.04	.03	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Spinners, twisters, winders			Weavers			Other textile operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Nondurable goods	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Textile mill products	88.11	86.03	79.72	98.25	97.51	94.25	93.99	93.44	93.09
Knitting mills	3.31	3.86	4.16	2.04	2.58	3.12	25.16	26.38	31.01
Dyeing,finishing textiles	3.92	4.26	4.58	1.48	1.80	2.03	10.80	10.19	6.25
Floor coverings	2.97	3.53	5.58	5.30	5.22	7.27	5.28	5.67	5.88
Yarn and fabric mills	73.14	69.24	60.54	83.86	81.17	72.94	43.49	42.35	42.30
Miscellaneous textile mill	4.76	5.13	4.84	5.55	6.73	8.86	9.24	8.83	7.63
Apparel and textile products	.91	1.38	2.68	1.00	1.39	2.20	1.00	1.15	.89
Apparel and accessories	.30	.42	.78	.15	.23	.78	.37	.39	.32
Miscellaneous fabricated textile	.60	.96	1.90	.85	1.16	1.41	.63	.76	.56
Paper and allied products	.13	.15	.22	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.13	.15	.22	.00	.00	.00	.00	.00	.00
Chemicals and allied products	10.83	12.42	17.37	.74	1.08	3.54	4.99	5.39	6.01
Synthetic fibers	10.81	12.39	17.30	.74	1.08	3.54	4.96	5.36	5.94
Miscellaneous chemicals	.02	.02	.06	.00	.00	.00	.02	.02	.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Semiskilled packing, inspecting			Checkers, examiners, manufacturg			Graders and sortrs, manufacturg		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.34	.76	.66	.00	.00	.00	.00	.00	.00
Agriculture	.32	.71	.61	.00	.00	.00	.00	.00	.00
Agricultural production	.18	.56	.48	.00	.00	.00	.00	.00	.00
Services,except horticulture	.13	.15	.12	.00	.00	.00	.00	.00	.00
Fisheries	.02	.03	.04	.00	.00	.00	.00	.00	.00
Mining	.02	.02	.01	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	.02	.02	.01	.00	.00	.00	.00	.00	.00
Manufacturing	84.38	82.31	82.96	100.00	100.00	100.00	100.00	100.00	100.00
Durable goods	42.89	41.97	39.16	67.63	67.07	64.12	26.62	25.98	19.66
Ordnance	1.36	.70	.58	2.60	1.36	1.17	.23	.09	.00
Lumber and wood products	.77	.86	1.00	.55	.68	.97	6.17	7.38	8.05
Logging	.01	.02	.02	.01	.02	.01	.23	.34	.31
Sawmill,planing and mill work	.36	.42	.40	.25	.31	.35	2.81	3.68	3.61
Miscellaneous wood products	.39	.41	.58	.29	.35	.60	3.13	3.35	4.13
Furniture and fixtures	1.23	1.40	1.96	1.29	1.53	2.20	.49	.61	.88
Stone,clay,and glass products	3.82	3.93	4.04	4.39	4.69	4.98	4.67	4.41	2.77
Glass and glass products	2.61	2.71	2.91	3.12	3.31	3.59	1.26	1.12	.50
Cement,concrete,plaster	.19	.18	.15	.19	.21	.23	.31	.34	.29
Structural clay products	.21	.18	.12	.14	.13	.09	2.29	2.08	1.34
Pottery and related products	.24	.24	.23	.31	.32	.30	.17	.18	.16
Miscellaneous nonmetallic,stone	.55	.60	.62	.61	.69	.75	.64	.67	.46
Primary metal industries	2.98	2.84	2.63	4.77	4.68	4.44	2.90	2.28	1.22
Blast furnaces,steel works	.80	.74	.54	1.36	1.29	.90	1.32	.87	.24
Other primary steel	.89	.89	1.08	1.51	1.49	1.72	.83	.83	.83
Primary aluminum	.49	.49	.34	.67	.72	.61	.10	.09	.02
Other primary nonferrous	.78	.72	.66	1.22	1.17	1.19	.63	.47	.12
Fabricated metal products	4.69	4.54	3.81	6.57	6.54	5.64	3.57	3.05	1.43
Cutlery and other hardware	.76	.83	.89	.75	.80	.73	.31	.44	.73
Fabricated structural metal	.61	.71	1.00	.86	1.03	1.45	.15	.16	.11
Screw machine products	.47	.42	.25	.72	.67	.46	1.03	.80	.17
Metal stamping	.89	.79	.55	1.36	1.27	1.00	.56	.43	.09
Miscellaneous fabricated metal	1.94	1.76	1.10	2.87	2.75	1.97	1.49	1.21	.30
Machinery except electrical	6.02	6.21	5.83	10.43	11.03	10.98	1.26	1.18	.53
Engines and turbines	.54	.58	.45	.99	1.09	.89	.02	.03	.02
Farm machinery and equipment	.36	.40	.48	.55	.62	.72	.13	.17	.22
Construction machines	.70	.77	.67	1.26	1.43	1.31	.11	.13	.07
Metalworking machinery	.64	.63	.56	1.02	1.05	1.03	.15	.14	.07
Office and accounting machines	.33	.24	.20	.59	.42	.34	.06	.03	.00
Electronic computing equipment	.58	.65	.83	1.15	1.28	1.64	.13	.14	.00
Other machinery,exc electrical	2.85	2.90	2.63	4.84	5.10	5.02	.63	.52	.13
Electrical machinery	11.26	10.23	7.96	19.99	18.48	15.04	2.60	2.02	.54
Household appliances	.91	.75	.55	1.45	1.23	.93	.24	.18	.05
Radio, tv communications equip	3.60	2.98	2.41	6.78	5.61	4.47	.69	.48	.12
Other electrical machinery	6.74	6.48	4.99	11.76	11.63	9.63	1.66	1.36	.36
Transportation equipment	6.19	6.55	6.98	11.60	12.31	13.18	1.12	1.37	1.82
Motor vehicles and equipment	3.58	4.31	5.09	6.60	7.97	9.39	.72	.92	1.13
Aircraft and parts	2.10	1.68	1.21	4.10	3.31	2.43	.24	.29	.44
Ship,boat building and repair	.21	.20	.23	.38	.39	.47	.10	.10	.23
Railroad equipment	.14	.15	.11	.25	.29	.23	.04	.03	.00
Mobile dwellings	.08	.10	.22	.16	.20	.46	.00	.00	.00
Cycles,misc transportation	.06	.09	.10	.09	.14	.17	.00	.01	.00
Professional,scientific instrs	2.38	2.56	2.25	3.59	3.91	3.63	.98	1.11	.99
Scientific instruments	.81	.78	.59	1.40	1.39	1.14	.36	.32	.12
Optical,health serv supplies	.81	1.01	.81	.97	1.30	1.27	.36	.43	.19
Photo equipment and supplies	.54	.57	.62	.85	.87	.83	.16	.24	.49
Watches and clock devices	.21	.20	.23	.35	.33	.37	.09	.10	.17
Miscellaneous manufacturing	2.14	2.09	2.07	1.79	1.82	1.85	2.58	2.43	1.42
Nondurable goods	41.48	40.34	43.79	32.37	32.92	35.87	73.37	74.01	80.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Semiskilled packing, inspecting			Checkers, examiners, manufacturg			Graders and sortrs, manufacturg		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	14.91	14.01	15.29	4.11	4.17	4.90	36.72	39.12	48.57
Meat	3.31	3.31	3.57	.77	.79	.81	6.57	7.25	8.03
Dairy	1.04	.81	.75	.40	.33	.31	3.93	3.35	3.13
Canning and preserving	3.23	3.29	4.24	1.03	1.14	1.61	20.10	22.39	30.76
Grain mill	.74	.73	.78	.25	.28	.37	.57	.65	.81
Bakery	2.71	2.27	1.98	.26	.25	.29	.27	.23	.16
Confectionery	1.67	1.49	1.64	.20	.21	.26	1.40	1.04	.39
Beverages	.78	.75	.86	.90	.86	.91	2.38	2.59	3.43
Miscellaneous food preparation	1.39	1.33	1.45	.26	.27	.31	1.46	1.58	1.83
Tobacco manufacturing	1.23	.93	.75	1.07	.80	.60	1.51	1.15	.69
Textile mill products	4.74	4.37	5.36	6.63	6.21	7.48	8.19	6.61	4.06
Knitting mills	1.74	1.65	2.29	2.45	2.32	3.07	.96	.81	.56
Dyeing,finishing textiles	.44	.42	.45	.62	.60	.65	.43	.43	.49
Floor coverings	.28	.32	.51	.46	.52	.76	.12	.10	.05
Yarn and fabric mills	1.96	1.69	1.73	2.74	2.41	2.55	5.67	4.43	2.40
Miscellaneous textile mill	.31	.28	.37	.35	.33	.43	1.00	.82	.54
Apparel and textile products	6.26	6.47	6.56	7.83	8.27	7.58	9.69	10.00	10.05
Apparel and accessories	5.46	5.47	5.43	7.00	7.15	6.44	8.83	9.11	9.55
Miscellaneous fabricated textile	.80	1.00	1.13	.83	1.12	1.14	.86	.89	.50
Paper and allied products	3.91	3.66	4.19	2.49	2.42	2.95	6.27	5.41	3.96
Pulp,paper paperboard mills	1.11	.95	.73	.83	.74	.75	4.18	3.26	1.66
Paperboard ccontainers,boxes	1.37	1.20	1.59	.79	.75	1.08	.75	.70	.81
Miscellaneous paper and pulp	1.42	1.51	1.87	.85	.93	1.11	1.32	1.45	1.48
Printing and publishing	1.60	1.59	1.67	1.29	1.31	1.34	3.01	3.40	4.07
Newspaper publishing, printing	.09	.10	.11	.04	.04	.04	.71	.86	1.26
Other printing,exc newspapers	1.50	1.49	1.56	1.25	1.27	1.29	2.30	2.54	2.81
Chemicals and allied products	3.71	3.48	3.70	2.99	2.97	3.69	1.53	1.53	1.72
Industrial chemicals	.49	.40	.30	.59	.52	.50	.16	.12	.00
Plastics and synthetics	.34	.25	.16	.33	.27	.25	.15	.10	.00
Synthetic fibers	.36	.38	.67	.54	.61	1.14	.28	.32	.58
Drugs and medicines	.91	1.05	1.19	.64	.77	.94	.49	.62	.99
Soaps and cosmetics	1.03	.95	.96	.40	.39	.42	.16	.12	.00
Paints and varnishes	.15	.14	.17	.10	.10	.14	.07	.08	.12
Agricultural chemicals	.06	.06	.04	.04	.04	.03	.04	.04	.02
Miscellaneous chemicals	.35	.21	.17	.33	.22	.24	.15	.09	.00
Petroleum and coal products	.26	.28	.28	.37	.41	.36	.12	.16	.20
Petroleum refining	.18	.20	.17	.32	.35	.30	.06	.08	.08
Misc petroleum,coal products	.07	.08	.10	.05	.05	.05	.06	.08	.12
Rubber,miscellaneous plastics	3.56	4.50	5.12	4.34	5.35	6.11	3.04	3.89	5.25
Rubber	1.61	1.61	1.99	2.43	2.46	3.02	2.15	2.39	3.35
Miscellaneous plastics	1.95	2.89	3.13	1.90	2.88	3.09	.89	1.50	1.90
Leather products	1.26	1.00	.83	1.19	.97	.81	3.26	2.70	1.71
Leather tanning and finishing	.06	.05	.03	.03	.02	.01	1.32	1.13	.67
Footwear, except rubber	.82	.62	.45	.83	.65	.47	1.45	1.12	.64
All other leather	.37	.32	.34	.33	.29	.32	.48	.44	.38
Transportation, other public util	.63	.66	.57	.00	.00	.00	.00	.00	.00
Transportation,total	.60	.63	.55	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.51	.53	.44	.00	.00	.00	.00	.00	.00
Trucking services	.19	.23	.16	.00	.00	.00	.00	.00	.00
Warehousing and storage	.31	.29	.28	.00	.00	.00	.00	.00	.00
Water transportation	.01	.01	.01	.00	.00	.00	.00	.00	.00
Air transportation	.02	.03	.02	.00	.00	.00	.00	.00	.00
Transportation services	.04	.05	.06	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.02	.02	.02	.00	.00	.00	.00	.00	.00
Communications	.00	.01	.01	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.00	.00	.01	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.02	.01	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	13.07	14.55	14.27	.00	.00	.00	.00	.00	.00
Wholesale trade	6.44	6.89	6.87	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Semiskilled packing, inspecting			Checkers, examiners, manufactury			Graders and sortrs, manufactury		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whisle trade	5.23	5.75	6.08	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.29	.34	.39	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.43	.43	.42	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.31	.30	.37	.00	.00	.00	.00	.00	.00
Food and related products	3.37	3.72	3.98	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.09	.12	.06	.00	.00	.00	.00	.00	.00
Electrical goods	.19	.19	.21	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.16	.15	.07	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.35	.46	.56	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	1.20	1.13	.79	.00	.00	.00	.00	.00	.00
Metals and minerals, other	.04	.03	.02	.00	.00	.00	.00	.00	.00
Petroleum products	.01	.02	.02	.00	.00	.00	.00	.00	.00
Scrap and waste material	.07	.08	.03	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.03	.04	.03	.00	.00	.00	.00	.00	.00
Paper and paper products	.19	.15	.12	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.04	.03	.02	.00	.00	.00	.00	.00	.00
Other wholesale trade	.79	.75	.54	.00	.00	.00	.00	.00	.00
Retail trade	6.63	7.66	7.39	.00	.00	.00	.00	.00	.00
Building materials	.04	.05	.05	.00	.00	.00	.00	.00	.00
Lumber,building material	.03	.03	.03	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.01	.01	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	1.17	1.26	1.37	.00	.00	.00	.00	.00	.00
Department stores,mail order	.97	1.09	1.21	.00	.00	.00	.00	.00	.00
Limited price stores	.02	.02	.01	.00	.00	.00	.00	.00	.00
Vending machine operators	.05	.04	.02	.00	.00	.00	.00	.00	.00
Direct selling	.05	.04	.05	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.06	.05	.05	.00	.00	.00	.00	.00	.00
Food and dairy stores	4.51	5.04	4.67	.00	.00	.00	.00	.00	.00
Grocery stores	3.95	4.39	4.15	.00	.00	.00	.00	.00	.00
Dairy products	.01	.01	.00	.00	.00	.00	.00	.00	.00
Retail bakeries	.15	.17	.11	.00	.00	.00	.00	.00	.00
Food stores,cther	.38	.46	.39	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.07	.09	.08	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.02	.03	.03	.00	.00	.00	.00	.00	.00
Gasoline service stations	.03	.04	.04	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.20	.23	.21	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.17	.20	.18	.00	.00	.00	.00	.00	.00
Shoe stores	.02	.02	.02	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.05	.07	.08	.00	.00	.00	.00	.00	.00
Home furnishings	.03	.03	.03	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.02	.03	.04	.00	.00	.00	.00	.00	.00
Eating and drinking places	.23	.50	.54	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.32	.39	.36	.00	.00	.00	.00	.00	.00
Drug stores	.04	.04	.05	.00	.00	.00	.00	.00	.00
Liquor stores	.00	.01	.01	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.05	.07	.04	.00	.00	.00	.00	.00	.00
Jewelry stores	.04	.06	.06	.00	.00	.00	.00	.00	.00
Retail florists	.02	.02	.03	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.14	.17	.14	.00	.00	.00	.00	.00	.00
Services, total	.97	1.17	1.00	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Semiskilled packing, inspecting			Checkers, examiners, manufacturg			Graders and sortrs, manufactury		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.01	.00	.00	.00	.00	.00	.00
Hotels and motels	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other personal services	.28	.24	.28	.00	.00	.00	.00	.00	.00
Laundering and cleaning	.26	.21	.24	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.03	.04	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.46	.62	.49	.00	.00	.00	.00	.00	.00
Advertising	.01	.01	.01	.00	.00	.00	.00	.00	.00
Commercial research,development	.00	.01	.00	.00	.00	.00	.00	.00	.00
Computer programing	.00	.01	.01	.00	.00	.00	.00	.00	.00
Other business services	.42	.58	.46	.00	.00	.00	.00	.00	.00
Other repair services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.00	.00	.01	.00	.00	.00	.00	.00	.00
Medical and other health service	.07	.14	.11	.00	.00	.00	.00	.00	.00
Hospitals	.02	.03	.03	.00	.00	.00	.00	.00	.00
Convalescent institutions	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other health services	.03	.10	.06	.00	.00	.00	.00	.00	.00
Educational services	.03	.02	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.01	.01	.00	.00	.00	.00	.00	.00	.00
Other educational services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.07	.06	.03	.00	.00	.00	.00	.00	.00
Religious organizations	.01	.01	.00	.00	.00	.00	.00	.00	.00
Welfare services	.04	.03	.01	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other professional services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.01	.01	.00	.00	.00	.00	.00	.00	.00
Government, total	.55	.49	.50	.00	.00	.00	.00	.00	.00
Federal public administration	.53	.46	.44	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.52	.45	.43	.00	.00	.00	.00	.00	.00
State public administration	.01	.01	.03	.00	.00	.00	.00	.00	.00
Local public administration	.00	.01	.02	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat, wrappers, retail trade			Packer, wrapper, exc meat, prodce			Prodc grdr, packers exc fact, farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>Agriculture, forestry, fisheries</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.60</b>	<b>1.51</b>	<b>1.29</b>	<b>4.31</b>	<b>5.02</b>	<b>4.81</b>
Agriculture	.00	.00	.00	.55	1.41	1.17	4.29	4.99	4.81
Agricultural production	.00	.00	.00	.41	1.29	1.10	.00	.00	.00
Services, except horticulture	.00	.00	.00	.13	.12	.07	4.28	4.98	4.81
Horticultural services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Forestry	.00	.00	.00	.01	.01	.01	.00	.00	.00
Fisheries	.00	.00	.00	.04	.08	.10	.01	.03	.00
<b>Mining</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>.06</b>	<b>.05</b>	<b>.02</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Nonmetallic mining and quarrying	.00	.00	.00	.06	.05	.02	.00	.00	.00
<b>Manufacturing</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>76.03</b>	<b>72.69</b>	<b>74.21</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
<b>Durable goods</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>22.48</b>	<b>21.22</b>	<b>18.14</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Ordnance	.00	.00	.00	.26	.11	.05	.00	.00	.00
Lumber and wood products	.00	.00	.00	.70	.74	.74	.00	.00	.00
Logging	.00	.00	.00	.00	.01	.00	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	.35	.39	.31	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.34	.34	.41	.00	.00	.00
Furniture and fixtures	.00	.00	.00	1.36	1.50	2.01	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	3.57	3.60	3.63	.00	.00	.00
Glass and glass products	.00	.00	.00	2.46	2.51	2.69	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.20	.17	.07	.00	.00	.00
Structural clay products	.00	.00	.00	.15	.13	.09	.00	.00	.00
Pottery and related products	.00	.00	.00	.20	.20	.19	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.55	.58	.57	.00	.00	.00
Primary metal industries	.00	.00	.00	1.41	1.25	1.09	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	.26	.22	.24	.00	.00	.00
Other primary steel	.00	.00	.00	.34	.35	.52	.00	.00	.00
Primary aluminum	.00	.00	.00	.40	.33	.11	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.41	.34	.20	.00	.00	.00
Fabricated metal products	.00	.00	.00	3.30	3.06	2.45	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.90	1.01	1.20	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.44	.50	.69	.00	.00	.00
Screw machine products	.00	.00	.00	.23	.18	.06	.00	.00	.00
Metal stamping	.00	.00	.00	.52	.41	.15	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	1.19	.95	.33	.00	.00	.00
Machinery except electrical	.00	.00	.00	2.34	2.11	1.28	.00	.00	.00
Engines and turbines	.00	.00	.00	.16	.14	.05	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.21	.24	.29	.00	.00	.00
Construction machines	.00	.00	.00	.22	.21	.09	.00	.00	.00
Metalworking machinery	.00	.00	.00	.34	.29	.14	.00	.00	.00
Office and accounting machines	.00	.00	.00	.11	.08	.08	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.08	.08	.11	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	1.20	1.05	.50	.00	.00	.00
Electrical machinery	.00	.00	.00	3.82	3.14	1.69	.00	.00	.00
Household appliances	.00	.00	.00	.48	.37	.22	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.83	.69	.61	.00	.00	.00
Other electrical machinery	.00	.00	.00	2.50	2.07	.85	.00	.00	.00
Transportation equipment	.00	.00	.00	1.47	1.49	1.41	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.97	1.12	1.27	.00	.00	.00
Aircraft and parts	.00	.00	.00	.34	.22	.07	.00	.00	.00
Ship, boat building and repair	.00	.00	.00	.06	.03	.01	.00	.00	.00
Railroad equipment	.00	.00	.00	.04	.03	.00	.00	.00	.00
Mobile dwellings	.00	.00	.00	.01	.00	.00	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.05	.06	.04	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	1.46	1.53	1.12	.00	.00	.00
Scientific instruments	.00	.00	.00	.30	.24	.09	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.77	.86	.43	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.30	.34	.49	.00	.00	.00
Watches and clock devices	.00	.00	.00	.09	.08	.10	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	2.73	2.65	2.62	.00	.00	.00
<b>Nondurable goods</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>53.55</b>	<b>51.47</b>	<b>56.07</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat, wrappers, retail trade			Packer, wrapper,exc meat,prodce			Prodc grdr, packers exc fact,farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	26.52	24.89	26.70	.00	.00	.00
Meat	.00	.00	.00	6.15	6.22	6.81	.00	.00	.00
Dairy	.00	.00	.00	1.64	1.28	1.19	.00	.00	.00
Canning and preserving	.00	.00	.00	4.76	4.77	6.06	.00	.00	.00
Grain mill	.00	.00	.00	1.35	1.31	1.33	.00	.00	.00
Bakery	.00	.00	.00	5.78	4.90	4.20	.00	.00	.00
Confectionery	.00	.00	.00	3.44	3.12	3.45	.00	.00	.00
Beverages	.00	.00	.00	.63	.61	.75	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	2.74	2.65	2.87	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	1.52	1.17	1.01	.00	.00	.00
Textile mill products	.00	.00	.00	3.01	2.78	3.81	.00	.00	.00
Knitting mills	.00	.00	.00	1.23	1.18	1.83	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.29	.27	.29	.00	.00	.00
Floor coverings	.00	.00	.00	.13	.15	.33	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	1.10	.93	1.01	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.25	.23	.33	.00	.00	.00
Apparel and textile products	.00	.00	.00	5.04	5.12	6.09	.00	.00	.00
Apparel and accessories	.00	.00	.00	4.19	4.11	4.79	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.85	1.01	1.30	.00	.00	.00
Paper and allied products	.00	.00	.00	5.69	5.37	6.13	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	1.31	1.14	.76	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	2.18	1.88	2.40	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	2.19	2.34	2.96	.00	.00	.00
Printing and publishing	.00	.00	.00	2.01	1.99	2.11	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.12	.12	.13	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	1.88	1.87	1.97	.00	.00	.00
Chemicals and allied products	.00	.00	.00	5.04	4.64	4.33	.00	.00	.00
Industrial chemicals	.00	.00	.00	.46	.34	.15	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.40	.26	.10	.00	.00	.00
Synthetic fibers	.00	.00	.00	.20	.19	.26	.00	.00	.00
Drugs and medicines	.00	.00	.00	1.34	1.53	1.64	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	1.87	1.75	1.73	.00	.00	.00
Paints and varnishes	.00	.00	.00	.22	.21	.23	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.10	.10	.06	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.42	.24	.12	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.17	.19	.23	.00	.00	.00
Petroleum refining	.00	.00	.00	.06	.07	.06	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.10	.12	.17	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	3.17	4.21	4.71	.00	.00	.00
Rubber	.00	.00	.00	.87	.84	1.04	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	2.30	3.37	3.67	.00	.00	.00
Leather products	.00	.00	.00	1.33	1.05	.91	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.02	.01	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.86	.65	.47	.00	.00	.00
All other leather	.00	.00	.00	.44	.38	.42	.00	.00	.00
Transportation, other public util	.00	.00	.00	1.30	1.41	1.25	2.92	2.29	1.43
Transportation,total	.00	.00	.00	1.24	1.35	1.20	2.92	2.29	1.43
Trucking and warehousing	.00	.00	.00	1.04	1.11	.95	2.82	2.21	1.43
Trucking services	.00	.00	.00	.43	.53	.37	.07	.05	.00
Warehousing and storage	.00	.00	.00	.60	.57	.58	2.75	2.15	1.43
Water transportation	.00	.00	.00	.02	.03	.03	.04	.03	.00
Air transportation	.00	.00	.00	.05	.06	.06	.00	.00	.00
Transportation services	.00	.00	.00	.09	.12	.14	.05	.04	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.06	.06	.05	.00	.00	.00
Communications	.00	.00	.00	.01	.02	.04	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.01	.02	.04	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.04	.04	.01	.00	.00	.00
Electric light and power	.00	.00	.00	.01	.01	.00	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.01	.01	.01	.00	.00	.00
Wholesale and retail trade	100.00	100.00	100.00	18.58	20.52	19.75	91.90	91.95	93.17
Wholesale trade	.00	.00	.00	11.01	11.78	11.69	87.91	87.25	88.97

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat, wrappers, retail trade			Packer, wrapper,exc meat,prodce			Prodc grdr, packers exc fact,farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	8.41	9.31	10.01	85.23	84.53	85.77
Motor vehicles and equipment	.00	.00	.00	.65	.77	.90	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.97	.99	.97	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.71	.70	.85	.00	.00	.00
Food and related products	.00	.00	.00	4.30	4.74	5.23	83.75	82.72	84.97
Farm products-raw materials	.00	.00	.00	.15	.20	.10	1.47	1.80	.80
Electrical goods	.00	.00	.00	.43	.45	.48	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.37	.35	.16	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.80	1.07	1.28	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	2.60	2.47	1.67	2.68	2.71	3.20
Metals and minerals, other	.00	.00	.00	.10	.08	.04	.00	.00	.00
Petroleum products	.00	.00	.00	.03	.04	.06	.00	.00	.00
Scrap and waste material	.00	.00	.00	.17	.19	.06	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.08	.09	.06	.00	.00	.00
Paper and paper products	.00	.00	.00	.44	.35	.27	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.10	.08	.04	.00	.00	.00
Other wholesale trade	.00	.00	.00	1.67	1.61	1.10	2.68	2.71	3.20
Retail trade	100.00	100.00	100.00	7.56	8.73	8.06	3.99	4.70	4.19
Building materials	.00	.00	.00	.10	.12	.12	.05	.06	.10
Lumber,building material	.00	.00	.00	.06	.09	.08	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.03	.03	.03	.05	.06	.10
General merchandise,total	.36	.34	.44	2.61	2.86	3.09	.16	.13	.12
Department stores,mail order	.30	.31	.44	2.17	2.48	2.75	.00	.00	.00
Limited price stores	.03	.01	.00	.06	.05	.04	.00	.00	.00
Vending machine operators	.00	.00	.00	.11	.09	.05	.00	.00	.00
Direct selling	.00	.00	.00	.12	.11	.12	.00	.00	.00
Miscellaneous merchandise store	.03	.01	.00	.13	.12	.11	.16	.13	.12
Food and dairy stores	99.49	99.50	99.55	2.88	2.83	1.90	2.80	3.44	3.15
Grocery stores	94.26	94.07	95.09	2.09	1.93	1.22	.68	.67	.61
Dairy products	.00	.00	.00	.02	.03	.01	.01	.01	.01
Retail bakeries	.01	.01	.02	.35	.39	.25	.01	.01	.00
Food stores,other	5.21	5.41	4.43	.41	.48	.40	2.09	2.75	2.52
Auto dealers,gas stations	.02	.01	.00	.16	.20	.20	.00	.00	.00
Motor vehicle dealers	.02	.01	.00	.02	.01	.01	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.06	.07	.08	.00	.00	.00
Gasoline service stations	.00	.00	.00	.07	.10	.10	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.45	.54	.48	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.40	.47	.43	.00	.00	.00
Shoe stores	.00	.00	.00	.05	.06	.05	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.13	.16	.18	.00	.00	.00
Home furnishings	.00	.00	.00	.08	.08	.08	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.04	.07	.10	.00	.00	.00
Eating and drinking places	.09	.11	.00	.52	1.13	1.25	.07	.08	.00
Miscellaneous retail trade	.01	.01	.00	.68	.86	.80	.88	.98	.81
Drug stores	.00	.00	.00	.09	.10	.13	.00	.00	.00
Liquor stores	.00	.00	.00	.02	.03	.03	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.10	.13	.07	.59	.76	.79
Jewelry stores	.00	.00	.00	.10	.14	.14	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.01	.00	.00	.00	.00	.00
Retail florists	.00	.00	.00	.03	.05	.07	.24	.18	.02
Misc retail trade stores	.01	.01	.00	.31	.38	.34	.04	.03	.00
Finance,insurance and real estate	.00	.00	.00	.01	.01	.01	.00	.00	.00
Real estate	.00	.00	.00	.01	.01	.01	.00	.00	.00
Services, total	.00	.00	.00	2.18	2.67	2.30	.24	.19	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat, wrappers, retail trade			Packer, wrapper,exc meat,prodc			Prodc grdr, packers exc fact,farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.01	.02	.02	.00	.00	.00
Hotels and motels	.00	.00	.00	.01	.01	.02	.00	.00	.00
Other personal services	.00	.00	.00	.63	.56	.65	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.59	.48	.56	.00	.00	.00
Misc personal services	.00	.00	.00	.03	.08	.09	.00	.00	.00
Miscellaneous business services	.00	.00	.00	1.02	1.43	1.14	.09	.08	.00
Advertising	.00	.00	.00	.04	.04	.03	.02	.01	.00
Commercial research,development	.00	.00	.00	.01	.02	.01	.01	.01	.00
Computer programing	.00	.00	.00	.01	.02	.02	.00	.00	.00
Other business services	.00	.00	.00	.94	1.34	1.07	.05	.05	.00
Automobile services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Automobile repair	.00	.00	.00	.00	.01	.00	.00	.00	.00
Other repair services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Electrical repair	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.01	.01	.00	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.01	.01	.03	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.00	.01	.01	.00	.00	.00
Other entertainment	.00	.00	.00	.00	.01	.01	.00	.00	.00
Medical and other health service	.00	.00	.00	.15	.32	.27	.00	.00	.00
Hospitals	.00	.00	.00	.06	.07	.07	.00	.00	.00
Convalescent institutions	.00	.00	.00	.01	.01	.03	.00	.00	.00
Other health services	.00	.00	.00	.08	.23	.15	.00	.00	.00
Educational services	.00	.00	.00	.07	.06	.01	.09	.06	.00
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.03	.01	.00
Colleges and universities	.00	.00	.00	.03	.03	.00	.06	.04	.00
Other educational services	.00	.00	.00	.02	.02	.01	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.00	.01	.00	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.15	.14	.09	.05	.04	.00
Religious organizations	.00	.00	.00	.03	.03	.01	.05	.04	.00
Welfare services	.00	.00	.00	.09	.07	.03	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.03	.03	.04	.00	.00	.00
Private househlds	.00	.00	.00	.00	.00	.01	.00	.00	.00
Other professional services	.00	.00	.00	.03	.03	.01	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.03	.03	.01	.00	.00	.00
Government,total	.00	.00	.00	1.21	1.10	1.13	.60	.53	.58
Federal public administration	.00	.00	.00	1.17	1.03	.99	.60	.53	.58
Postal services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	1.16	1.02	.97	.60	.53	.58
State public administration	.00	.00	.00	.02	.04	.08	.00	.00	.00
Local public administration	.00	.00	.00	.01	.02	.06	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other operatives, ex transpor			Asbestos, insulation workers			Assemblers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.14	.24	.23	.00	.00	.00	.00	.01	.00
Agriculture	.11	.18	.17	.00	.00	.00	.00	.00	.00
Agricultural production	.03	.08	.07	.00	.00	.00	.00	.00	.00
Services, except horticulture	.05	.08	.07	.00	.00	.00	.00	.00	.00
Horticultural services	.01	.02	.02	.00	.00	.00	.00	.00	.00
Forestry	.01	.01	.01	.00	.00	.00	.00	.00	.00
Fisheries	.02	.03	.04	.00	.00	.00	.00	.00	.00
Mining	2.96	3.53	3.74	.00	.00	.04	.03	.06	.08
Metal	.45	.35	.26	.00	.00	.00	.00	.00	.00
Coal	.86	1.10	1.56	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	1.25	1.74	1.73	.00	.00	.00	.03	.05	.07
Nonmetallic mining and quarrying	.39	.32	.18	.00	.00	.04	.00	.00	.00
Construction	2.00	3.12	3.25	72.68	77.82	82.80	.24	.33	.48
General building contractors	.27	.45	.54	3.84	3.75	4.70	.03	.04	.07
General contractors, exc building	.52	.55	.49	1.43	1.36	1.07	.04	.05	.06
Special trade contractors	1.21	2.12	2.22	67.40	72.70	77.03	.17	.23	.35
Manufacturing	70.38	69.30	70.14	22.08	17.10	13.18	97.23	96.74	96.27
Durable goods	35.01	37.59	41.34	12.20	9.41	7.15	89.34	88.66	87.61
Ordnance	.66	.38	.38	.18	.07	.02	2.24	1.19	1.00
Lumber and wood products	2.51	2.51	2.30	.14	.11	.08	1.38	1.37	1.40
Logging	.09	.12	.09	.00	.00	.00	.01	.01	.01
Sawmill, planing and mill work	1.72	1.71	1.55	.14	.11	.08	.80	.80	.78
Miscellaneous wood products	.69	.67	.65	.00	.00	.00	.56	.55	.60
Furniture and fixtures	2.44	2.54	2.73	.05	.03	.00	3.75	3.92	4.49
Stone, clay, and glass products	2.15	2.09	1.44	1.55	1.11	.46	.82	.83	.82
Glass and glass products	.68	.68	.53	.18	.18	.20	.49	.48	.47
Cement, concrete, plaster	.46	.46	.30	.00	.00	.00	.00	.00	.00
Structural clay products	.22	.17	.07	.04	.03	.02	.04	.04	.02
Pottery and related products	.28	.28	.18	.00	.00	.00	.09	.08	.06
Miscellaneous nonmetallic, stone	.48	.49	.34	1.32	.90	.24	.19	.21	.25
Primary metal industries	3.16	3.03	2.69	.71	.52	.35	1.34	1.33	1.30
Blast furnaces, steel works	1.04	.84	.60	.44	.30	.18	.20	.19	.24
Other primary steel	.82	.79	.64	.15	.11	.07	.46	.50	.51
Primary aluminum	.50	.58	.55	.06	.05	.03	.23	.23	.19
Other primary nonferrous	.79	.81	.89	.04	.04	.05	.45	.40	.35
Fabricated metal products	3.57	4.01	4.50	.36	.37	.40	6.86	6.96	6.94
Cutlery and other hardware	.46	.52	.54	.00	.00	.00	1.28	1.37	1.42
Fabricated structural metal	.94	1.05	1.14	.23	.23	.23	1.91	2.09	2.57
Screw machine products	.15	.17	.19	.00	.00	.00	.18	.17	.13
Metal stamping	.55	.60	.76	.00	.00	.00	1.01	.95	.86
Miscellaneous fabricated metal	1.45	1.64	1.85	.12	.14	.17	2.46	2.36	1.94
Machinery except electrical	4.24	5.08	6.79	.58	.47	.23	15.36	16.12	17.39
Engines and turbines	.26	.33	.38	.05	.05	.02	1.02	1.11	.96
Farm machinery and equipment	.34	.40	.45	.00	.00	.00	1.40	1.53	1.68
Construction machines	.62	.80	1.06	.00	.00	.00	1.91	2.17	2.25
Metalworking machinery	.53	.63	.88	.00	.00	.00	1.43	1.47	1.62
Office and accounting machines	.22	.17	.14	.00	.00	.00	1.08	.73	.54
Electronic computing equipment	.34	.45	.72	.00	.00	.00	1.87	2.11	2.64
Other machinery, exc electrical	1.89	2.28	3.13	.53	.42	.21	6.61	6.97	7.67
Electrical machinery	7.51	8.17	9.91	1.24	.97	.79	29.49	27.08	24.45
Household appliances	.89	.85	.92	.96	.65	.34	4.20	3.46	2.71
Radio, tv communications equip	1.97	1.87	1.93	.00	.00	.00	7.81	6.33	5.32
Other electrical machinery	4.64	5.43	7.04	.27	.31	.45	17.47	17.27	16.41
Transportation equipment	5.14	5.88	6.60	7.30	5.71	4.78	19.43	21.00	20.95
Motor vehicles and equipment	3.04	3.75	4.02	.00	.00	.00	13.24	15.34	14.68
Aircraft and parts	1.27	1.07	.84	.36	.27	.21	4.64	3.67	2.82
Ship, boat building and repair	.31	.34	.28	6.35	4.87	3.73	.25	.30	.25
Railroad equipment	.10	.13	.15	.00	.00	.00	.20	.22	.18
Mobile dwellings	.30	.40	1.03	.58	.56	.83	.73	.90	2.24
Cycles, misc transportation	.09	.16	.26	.00	.00	.00	.35	.55	.74
Professional, scientific instrs	1.46	1.80	2.19	.00	.00	.00	4.95	5.29	5.41
Scientific instruments	.56	.62	.65	.00	.00	.00	2.48	2.43	2.11
Optical, health serv supplies	.44	.68	.94	.00	.00	.00	1.11	1.49	1.62
Photo equipment and supplies	.30	.35	.44	.00	.00	.00	.78	.84	1.08
Watches and clock devices	.15	.14	.15	.00	.00	.00	.57	.52	.59
Miscellaneous manufacturing	2.11	2.08	1.77	.04	.02	.00	3.67	3.54	3.43
Nondurable goods	35.37	31.70	28.80	9.88	7.69	6.03	7.89	8.08	8.65

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other operatives, ex transpor			Asbestos, insulation workers			Assemblers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	6.27	5.62	4.34	.00	.00	.00	1.27	1.28	1.48
Meat	2.13	1.99	1.72	.00	.00	.00	.18	.20	.24
Dairy	.68	.50	.29	.00	.00	.00	.08	.07	.06
Canning and preserving	1.26	1.19	.96	.00	.00	.00	.34	.35	.48
Grain mill	.32	.30	.21	.00	.00	.00	.05	.05	.04
Bakery	.49	.36	.16	.00	.00	.00	.18	.18	.12
Confectionery	.30	.27	.18	.00	.00	.00	.08	.09	.12
Beverages	.59	.54	.46	.00	.00	.00	.20	.19	.21
Miscellaneous food preparation	.47	.44	.33	.00	.00	.00	.12	.13	.17
Tobacco manufacturing	.31	.23	.12	.00	.00	.00	.04	.04	.04
Textile mill products	1.91	1.58	2.07	.07	.03	.00	.22	.20	.26
Knitting mills	.91	.76	1.14	.00	.00	.00	.05	.05	.09
Dyeing,finishing textiles	.19	.17	.16	.00	.00	.00	.01	.01	.01
Floor coverings	.12	.11	.18	.00	.00	.00	.02	.02	.06
Yarn and fabric mills	.56	.43	.48	.07	.03	.00	.07	.06	.06
Miscellaneous textile mill	.11	.09	.10	.00	.00	.00	.05	.04	.02
Apparel and textile products	13.08	11.10	11.36	.20	.11	.00	.55	.61	.57
Apparel and accessories	11.81	9.78	9.98	.20	.11	.00	.27	.26	.27
Miscellaneous fabricated textile	1.27	1.31	1.37	.00	.00	.00	.28	.34	.30
Paper and allied products	3.34	2.94	2.33	.53	.42	.38	.92	.87	1.09
Pulp,paper paperboard mills	1.36	1.11	.77	.41	.36	.38	.13	.13	.16
Paperboard containers,boxes	1.13	.95	.80	.11	.05	.00	.47	.37	.37
Miscellaneous paper and pulp	.84	.87	.76	.00	.00	.00	.31	.36	.55
Printing and publishing	1.36	1.31	.92	.00	.00	.00	.47	.47	.51
Newspaper publishing, printing	.21	.23	.22	.00	.00	.00	.04	.04	.05
Other printing,exc newspapers	1.14	1.07	.70	.00	.00	.00	.43	.43	.45
Chemicals and allied products	2.69	2.52	2.38	5.64	4.44	4.40	1.69	1.52	1.59
Industrial chemicals	.74	.68	.55	3.22	2.57	2.29	.15	.14	.14
Plastics and synthetics	.38	.33	.30	.28	.13	.02	.15	.12	.10
Synthetic fibers	.24	.24	.26	1.31	1.22	1.86	.04	.04	.05
Drugs and medicines	.25	.29	.24	.13	.10	.03	.28	.30	.29
Soaps and cosmetics	.32	.33	.36	.10	.05	.00	.69	.64	.69
Paints and varnishes	.23	.23	.22	.01	.01	.00	.05	.05	.05
Agricultural chemicals	.12	.12	.07	.11	.07	.00	.01	.01	.00
Miscellaneous chemicals	.37	.27	.34	.45	.25	.20	.29	.20	.24
Petroleum and coal products	.47	.49	.35	3.07	2.30	1.00	.04	.05	.07
Petroleum refining	.36	.38	.25	2.97	2.19	.86	.02	.02	.02
Misc petroleum,coal products	.10	.11	.10	.10	.10	.14	.02	.03	.04
Rubber,miscellaneous plastics	3.21	3.88	3.44	.35	.38	.24	1.82	2.34	2.40
Rubber	1.65	1.58	1.43	.07	.04	.00	.56	.50	.48
Miscellaneous plastics	1.55	2.30	2.00	.28	.33	.24	1.26	1.84	1.91
Leather products	2.70	2.00	1.43	.00	.00	.00	.81	.66	.60
Leather tanning and finishing	.19	.15	.07	.00	.00	.00	.01	.01	.00
Footwear, except rubber	2.00	1.41	.95	.00	.00	.00	.39	.28	.18
All other leather	.50	.42	.40	.00	.00	.00	.41	.36	.41
Transportation, other public util	1.76	1.67	1.30	.80	.69	.23	.00	.00	.00
Transportation,total	1.15	1.05	.79	.01	.01	.00	.00	.00	.00
Railroads and railway express	.14	.09	.05	.00	.00	.00	.00	.00	.00
Local and interurban transit	.02	.01	.03	.01	.01	.00	.00	.00	.00
Street railways and bus lines	.02	.01	.03	.01	.01	.00	.00	.00	.00
Trucking and warehousing	.15	.15	.08	.00	.00	.00	.00	.00	.00
Trucking services	.09	.09	.06	.00	.00	.00	.00	.00	.00
Warehousing and storage	.06	.05	.02	.00	.00	.00	.00	.00	.00
Water transportation	.50	.43	.29	.00	.00	.00	.00	.00	.00
Air transportation	.26	.29	.27	.00	.00	.00	.00	.00	.00
Pipelines	.03	.03	.02	.00	.00	.00	.00	.00	.00
Transportation services	.01	.02	.03	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.61	.62	.51	.78	.68	.23	.00	.00	.00
Communications	.05	.05	.04	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.04	.04	.03	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.56	.56	.46	.78	.68	.23	.00	.00	.00
Electric light and power	.17	.19	.14	.60	.56	.20	.00	.00	.00
Electric-gas utilities	.10	.09	.07	.17	.11	.03	.00	.00	.00
Gas steam supply systems	.10	.09	.06	.00	.00	.00	.00	.00	.00
Water supply	.10	.10	.08	.00	.00	.00	.00	.00	.00
Sanitary services	.07	.07	.08	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	14.10	13.51	11.51	3.75	3.59	2.81	2.22	2.54	2.86
Wholesale trade	2.76	3.17	3.06	2.85	2.70	2.19	1.87	2.14	2.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other operatives, ex transpor			Asbestos, insulation workers			Assemblers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.75	2.00	1.82	1.58	1.65	1.35	1.44	1.68	1.85
Motor vehicles and equipment	.17	.18	.19	.00	.00	.00	.16	.20	.26
Drugs,chemicals,allied product	.08	.09	.08	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.18	.17	.14	.00	.00	.00	.00	.00	.00
Food and related products	.72	.75	.57	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.09	.13	.06	.00	.00	.00	.00	.00	.00
Electrical goods	.18	.22	.30	.13	.15	.23	.59	.63	.73
Hardware and plumbing	.04	.05	.05	.26	.25	.22	.08	.09	.09
Machinery equipment,supplies	.27	.38	.40	1.19	1.24	.89	.59	.75	.76
Miscellaneous wholesale trade	1.01	1.17	1.24	1.26	1.04	.83	.43	.45	.48
Metals and minerals, other	.15	.15	.16	.02	.02	.03	.04	.03	.04
Petroleum products	.09	.08	.05	.05	.05	.04	.00	.01	.01
Scrap and waste material	.19	.29	.26	.00	.00	.00	.00	.01	.01
Alcoholic beverages	.01	.02	.02	.00	.00	.00	.00	.00	.01
Paper and paper products	.09	.09	.12	.04	.03	.03	.04	.03	.04
Lumber,construction materials	.16	.17	.22	1.09	.89	.72	.10	.10	.12
Other wholesale trade	.29	.34	.38	.04	.02	.00	.23	.24	.24
Retail trade	11.33	10.33	8.45	.90	.89	.62	.34	.40	.52
Building materials	.17	.20	.15	.72	.64	.23	.16	.18	.22
Lumber,building material	.13	.16	.11	.72	.64	.23	.06	.08	.09
Hardware and farm equipment	.03	.03	.04	.00	.00	.00	.09	.10	.13
General merchandise,total	.49	.61	.86	.00	.00	.00	.06	.06	.12
Department stores,mail order	.37	.48	.67	.00	.00	.00	.03	.03	.03
Limited price stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Vending machine operators	.00	.00	.01	.00	.00	.00	.01	.01	.01
Direct selling	.01	.01	.02	.00	.00	.00	.00	.00	.04
Miscellaneous merchadise store	.09	.09	.15	.00	.00	.00	.00	.00	.01
Food and dairy stores	2.67	2.59	2.18	.00	.00	.00	.00	.00	.00
Grocery stores	2.06	1.90	1.64	.00	.00	.00	.00	.00	.00
Dairy products	.01	.01	.01	.00	.00	.00	.00	.00	.00
Retail bakeries	.13	.17	.16	.00	.00	.00	.00	.00	.00
Food stores,other	.47	.49	.36	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	6.79	5.40	4.14	.01	.01	.00	.03	.06	.08
Motor vehicle dealers	.41	.41	.42	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.35	.43	.47	.00	.00	.00	.00	.00	.00
Gasoline service stations	5.99	4.50	3.17	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.02	.04	.07	.01	.01	.00	.03	.06	.08
Apparel and accessory stores	.59	.64	.29	.02	.01	.00	.00	.00	.00
Apparel,accessory,except shoes	.56	.62	.28	.00	.00	.00	.00	.00	.00
Shoe stores	.02	.02	.01	.02	.01	.00	.00	.00	.00
Furniture and appliance stores	.22	.24	.15	.13	.22	.35	.08	.09	.09
Home furnishings	.19	.20	.13	.06	.03	.00	.06	.06	.06
Household appliances,tv,radio	.03	.03	.02	.07	.18	.35	.02	.02	.02
Eating and drinking places	.14	.28	.17	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.23	.34	.45	.00	.00	.02	.00	.00	.00
Farm,garden supply stores	.08	.13	.16	.00	.00	.00	.00	.00	.00
Jewelry stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.02	.01	.00	.00	.00	.02	.00	.00	.00
Misc retail trade stores	.10	.17	.26	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.09	.10	.12	.00	.00	.00	.00	.00	.00
Finance,total	.02	.03	.07	.00	.00	.00	.00	.00	.00
Banking	.01	.02	.04	.00	.00	.00	.00	.00	.00
Credit agencies	.00	.00	.01	.00	.00	.00	.00	.00	.00
Insurance	.02	.02	.01	.00	.00	.00	.00	.00	.00
Real estate	.04	.04	.03	.00	.00	.00	.00	.00	.00
Services, total	8.03	7.96	9.27	.67	.78	.90	.25	.30	.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Other operatives, ex transpor			Asbestos, insulation workers			Assemblers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.20	.25	.26	.00	.00	.00	.00	.00	.00
Hotels and motels	.18	.23	.24	.00	.00	.00	.00	.00	.00
Other lodging places	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other personal services	4.46	3.03	1.71	.00	.00	.00	.00	.00	.00
Laundering and cleaning	3.81	2.17	1.05	.00	.00	.00	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.48	.57	.48	.00	.00	.00	.00	.00	.00
Misc personal services	.14	.26	.16	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.82	1.27	1.88	.13	.11	.00	.16	.19	.21
Advertising	.04	.03	.01	.00	.00	.00	.00	.00	.00
Business management services	.01	.02	.03	.00	.00	.00	.00	.00	.00
Commercial research,development	.02	.04	.07	.04	.03	.00	.03	.04	.09
Computer programing	.02	.03	.03	.00	.00	.00	.13	.14	.12
Detective and protective serv	.00	.01	.02	.00	.00	.00	.00	.00	.00
Services to buildings	.31	.51	.93	.04	.03	.00	.00	.00	.00
Other business services	.38	.61	.77	.04	.04	.00	.00	.00	.00
Automobile services	.47	.68	.60	.00	.00	.00	.02	.03	.01
Automobile repair	.37	.58	.46	.00	.00	.00	.01	.02	.00
Automobile services,exc repair	.10	.09	.14	.00	.00	.00	.00	.00	.01
Other repair services	.15	.23	.25	.03	.03	.04	.05	.07	.05
Electrical repair	.04	.04	.07	.03	.03	.04	.03	.02	.02
Other repair,exc electrical	.10	.18	.17	.00	.00	.00	.02	.04	.02
Motion pictures and theaters	.09	.06	.08	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.02	.04	.04	.02	.02	.00	.00	.00	.00
Other entertainment	.02	.04	.04	.02	.02	.00	.00	.00	.00
Medical and other health service	1.01	1.32	3.12	.01	.01	.00	.00	.00	.00
Offices of physicians	.00	.01	.01	.00	.00	.00	.00	.00	.00
Hospitals	.83	.98	1.91	.00	.00	.00	.00	.00	.00
Convalescent institutions	.13	.23	1.10	.01	.01	.00	.00	.00	.00
Other health services	.03	.08	.08	.00	.00	.00	.00	.00	.00
Educational services	.47	.60	.74	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.11	.15	.15	.00	.00	.00	.00	.00	.00
Colleges and universities	.32	.40	.51	.00	.00	.00	.00	.00	.00
Libraries	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other educational services	.02	.03	.05	.00	.00	.00	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.01	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.15	.19	.33	.42	.52	.76	.00	.00	.00
Religious organizations	.03	.04	.05	.00	.00	.00	.00	.00	.00
Welfare services	.06	.08	.15	.00	.00	.00	.00	.00	.00
Residential welfare services	.01	.02	.06	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.03	.04	.05	.42	.52	.76	.00	.00	.00
Private households	.03	.04	.02	.00	.00	.00	.00	.00	.00
Other professional services	.12	.18	.17	.04	.06	.10	.00	.00	.00
Engineering and architectural	.09	.14	.12	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.02	.03	.04	.04	.06	.10	.00	.00	.00
Government,total	.50	.55	.40	.00	.00	.00	.00	.00	.00
Federal public administration	.27	.27	.21	.00	.00	.00	.00	.00	.00
Postal services	.01	.02	.01	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.25	.25	.19	.00	.00	.00	.00	.00	.00
State public administration	.06	.07	.05	.00	.00	.00	.00	.00	.00
Local public administration	.16	.20	.13	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blasters			Bottling, canning operatives			Surveyors' helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.04	.04	.00	.02	.04	.07	.00	.00	.00
Agriculture	.04	.04	.00	.00	.00	.00	.00	.00	.00
Horticultural services	.04	.04	.00	.00	.00	.00	.00	.00	.00
Fisheries	.00	.00	.00	.02	.04	.07	.00	.00	.00
Mining	52.93	61.04	61.82	.00	.00	.00	4.14	5.17	8.68
Metal	9.32	8.24	9.28	.00	.00	.00	.81	.74	1.18
Coal	25.25	32.11	35.89	.00	.00	.00	1.70	2.35	5.36
Crude petroleum and natural gas	9.63	12.49	9.24	.00	.00	.00	1.61	2.07	2.13
Nonmetallic mining and quarrying	8.72	8.17	7.38	.00	.00	.00	.00	.00	.00
Construction	22.29	22.52	23.59	.00	.00	.00	35.45	28.34	31.72
General building contractors	1.50	1.38	1.34	.00	.00	.00	6.14	5.24	6.08
General contractors,exc building	17.34	17.70	19.83	.00	.00	.00	28.12	21.69	23.03
Special trade contractors	3.45	3.44	2.42	.00	.00	.00	1.19	1.41	2.60
Manufacturing	18.08	10.88	8.62	95.30	93.79	92.37	1.98	1.78	2.62
Durable goods	11.52	7.26	6.96	.86	.93	1.15	.62	.66	1.05
Ordnance	5.49	1.82	.53	.11	.07	.13	.00	.00	.00
Lumber and wood products	1.07	.73	.69	.00	.00	.00	.49	.53	.88
Logging	.38	.28	.22	.00	.00	.00	.14	.16	.17
Sawmill,planing and mill work	.69	.45	.47	.00	.00	.00	.34	.36	.70
Stone,clay,and glass products	2.88	2.78	3.22	.01	.00	.00	.13	.12	.16
Cement,concrete,plaster	2.40	2.28	2.47	.01	.00	.00	.13	.12	.16
Structural clay products	.15	.08	.03	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.32	.41	.72	.00	.00	.00	.00	.00	.00
Primary metal industries	1.55	1.42	1.97	.01	.00	.00	.00	.00	.00
Blast furnaces,steel works	.63	.63	1.22	.01	.00	.00	.00	.00	.00
Other primary steel	.46	.42	.46	.00	.00	.00	.00	.00	.00
Primary aluminum	.08	.06	.00	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.36	.30	.29	.00	.00	.00	.00	.00	.00
Machinery except electrical	.31	.34	.56	.00	.00	.00	.00	.00	.00
Engines and turbines	.07	.06	.00	.00	.00	.00	.00	.00	.00
Metalworking machinery	.23	.28	.56	.00	.00	.00	.00	.00	.00
Transportation equipment	.00	.00	.00	.03	.07	.18	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.02	.07	.18	.00	.00	.00
Miscellaneous manufacturing	.21	.14	.00	.69	.76	.83	.00	.00	.00
Nondurable goods	6.56	3.61	1.66	94.44	92.86	91.22	1.35	1.12	1.56

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blasters			Bottling, canning operatives			Surveyors' helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.16	.10	.00	87.47	85.12	82.21	1.04	.84	1.08
Meat	.16	.10	.00	4.93	5.31	5.36	.00	.00	.00
Dairy	.00	.00	.00	11.91	9.36	6.99	.57	.45	.47
Canning and preserving	.00	.00	.00	26.55	27.32	27.77	.00	.00	.00
Grain mill	.00	.00	.00	.53	.56	.54	.00	.00	.00
Bakery	.00	.00	.00	.80	.68	.51	.00	.00	.00
Confectionery	.00	.00	.00	.11	.11	.15	.00	.00	.00
Beverages	.00	.00	.00	39.42	38.49	37.76	.47	.39	.60
Miscellaneous food preparation	.00	.00	.00	3.19	3.25	3.10	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.06	.05	.04	.00	.00	.00
Textile mill products	.00	.00	.00	.08	.09	.17	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.01	.01	.01	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.06	.08	.16	.00	.00	.00
Paper and allied products	.00	.00	.00	.37	.39	.57	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.08	.09	.15	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.18	.18	.26	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.10	.12	.15	.00	.00	.00
Printing and publishing	.00	.00	.00	.04	.03	.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.04	.03	.00	.00	.00	.00
Chemicals and allied products	6.01	3.23	1.66	5.43	5.97	7.12	.24	.22	.35
Industrial chemicals	.46	.28	.00	.61	.66	.87	.15	.14	.29
Plastics and synthetics	.00	.00	.00	.04	.04	.05	.09	.07	.06
Synthetic fibers	.00	.00	.00	.04	.03	.02	.00	.00	.00
Drugs and medicines	.00	.00	.00	1.53	1.97	2.40	.00	.00	.00
Soaps and cosmetics	.21	.14	.00	1.43	1.47	1.51	.00	.00	.00
Paints and varnishes	.00	.00	.00	1.25	1.29	1.44	.00	.00	.00
Agricultural chemicals	.28	.19	.00	.07	.09	.15	.00	.00	.00
Miscellaneous chemicals	5.05	2.61	1.66	.44	.38	.65	.00	.00	.00
Petroleum and coal products	.38	.27	.00	.41	.43	.36	.06	.05	.12
Petroleum refining	.21	.14	.00	.26	.25	.12	.00	.00	.00
Misc petroleum,coal products	.16	.13	.00	.14	.18	.23	.06	.05	.12
Rubber,miscellaneous plastics	.00	.00	.00	.48	.67	.68	.00	.00	.00
Rubber	.00	.00	.00	.12	.12	.12	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.35	.55	.55	.00	.00	.00
Leather products	.00	.00	.00	.09	.07	.04	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.05	.04	.04	.00	.00	.00
All other leather	.00	.00	.00	.03	.02	.00	.00	.00	.00
Transportation, other public util	1.94	1.33	.82	.06	.09	.15	3.05	2.34	2.10
Transportation,total	1.53	.85	.82	.00	.00	.00	1.50	.89	.81
Railroads and railway express	.21	.10	.00	.00	.00	.00	1.21	.74	.50
Local and interurban transit	1.32	.75	.82	.00	.00	.00	.00	.00	.00
Street railways and bus lines	1.32	.75	.82	.00	.00	.00	.00	.00	.00
Water transportation	.00	.00	.00	.00	.00	.00	.28	.14	.31
Communicatns,utils,sanitary serv	.40	.47	.00	.06	.09	.15	1.55	1.44	1.28
Utilities and sanitary services	.40	.47	.00	.06	.09	.15	1.55	1.44	1.28
Electric light and power	.40	.47	.00	.00	.00	.00	1.02	.99	.74
Water supply	.00	.00	.00	.06	.09	.15	.52	.45	.54
Wholesale and retail trade	1.36	1.20	1.54	4.60	6.07	7.39	.40	.46	.77
Wholesale trade	1.36	1.20	1.54	4.11	5.27	6.20	.21	.31	.77
Wholesale,exc misc whlsle trade	.00	.00	.00	3.13	3.77	3.97	.06	.05	.00
Drugs,chemicals,allied product	.00	.00	.00	.47	.53	.48	.00	.00	.00
Food and related products	.00	.00	.00	2.38	2.83	3.01	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.04	.04	.00	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.23	.35	.46	.06	.05	.00
Miscellaneous wholesale trade	1.36	1.20	1.54	.98	1.50	2.22	.15	.27	.77
Metals and minerals, other	.52	.34	.13	.04	.08	.19	.00	.00	.00
Petroleum products	.00	.00	.00	.12	.15	.17	.15	.27	.77
Alcoholic beverages	.00	.00	.00	.74	1.16	1.59	.00	.00	.00
Lumber,construction materials	.84	.85	1.41	.02	.02	.03	.00	.00	.00
Other wholesale trade	.00	.00	.00	.03	.07	.22	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Blasters			Bottling, canning operatives			Surveyors' helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.00	.00	.00	.49	.79	1.19	.19	.14	.00
Food and dairy stores	.00	.00	.00	.43	.67	.83	.05	.03	.00
Grocery stores	.00	.00	.00	.05	.05	.00	.00	.00	.00
Dairy products	.00	.00	.00	.25	.42	.54	.00	.00	.00
Food stores, other	.00	.00	.00	.12	.20	.29	.05	.03	.00
Miscellaneous retail trade	.00	.00	.00	.05	.11	.35	.13	.10	.00
Misc retail trade stores	.00	.00	.00	.05	.11	.35	.13	.10	.00
Finance, insurance and real estate	.00	.00	.00	.00	.00	.00	.38	.31	.00
Real estate	.00	.00	.00	.00	.00	.00	.38	.31	.00
Services, total	.15	.21	.58	.00	.00	.00	44.55	51.96	43.15
Miscellaneous business services	.00	.00	.00	.00	.00	.00	.11	.11	.15
Commercial research, development	.00	.00	.00	.00	.00	.00	.05	.07	.15
Other business services	.00	.00	.00	.00	.00	.00	.06	.03	.00
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.58	.68	1.42
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.58	.68	1.42
Other professional services	.15	.21	.58	.00	.00	.00	43.84	51.16	41.57
Engineering and architectural	.00	.00	.00	.00	.00	.00	43.25	50.44	40.97
Miscellaneous professional serv	.15	.21	.58	.00	.00	.00	.59	.72	.60
Government, total	3.16	2.76	3.01	.00	.00	.00	10.01	9.61	10.94
Federal public administration	3.16	2.76	3.01	.00	.00	.00	1.33	1.03	1.31
Postal services	1.00	.85	.66	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	2.16	1.90	2.35	.00	.00	.00	1.33	1.03	1.31
State public administration	.00	.00	.00	.00	.00	.00	.91	.82	.50
Local public administration	.00	.00	.00	.00	.00	.00	7.76	7.75	9.12

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clothing ironers and pressers			Cutting operatives, other			Dress-makers, exc factory		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.13	.18	.12	.03	.01	.00
Agriculture	.00	.00	.00	.11	.16	.11	.03	.01	.00
Agricultural production	.00	.00	.00	.00	.00	.00	.02	.01	.00
Services, except horticulture	.00	.00	.00	.02	.02	.02	.00	.00	.00
Horticultural services	.00	.00	.00	.08	.13	.09	.00	.00	.00
Forestry	.00	.00	.00	.02	.02	.00	.00	.00	.00
Mining	.00	.00	.00	1.93	2.70	3.28	.00	.00	.00
Metal	.00	.00	.00	.01	.02	.03	.00	.00	.00
Coal	.00	.00	.00	1.61	2.30	2.93	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.08	.14	.12	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.22	.23	.18	.00	.00	.00
Construction	.00	.00	.00	.69	.97	1.42	.00	.00	.00
General building contractors	.00	.00	.00	.12	.17	.25	.00	.00	.00
General contractors, exc building	.00	.00	.00	.10	.14	.18	.00	.00	.00
Special trade contractors	.00	.00	.00	.46	.66	.98	.00	.00	.00
Manufacturing	32.18	34.88	38.39	87.94	85.44	82.92	.00	.00	.00
Durable goods	.18	.21	.13	40.62	42.12	44.86	.00	.00	.00
Ordnance	.00	.00	.00	.21	.12	.12	.00	.00	.00
Lumber and wood products	.00	.00	.00	5.58	5.36	4.76	.00	.00	.00
Logging	.00	.00	.00	.06	.07	.05	.00	.00	.00
Sawmill, planing and mill work	.00	.00	.00	4.27	4.09	3.55	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	1.25	1.19	1.16	.00	.00	.00
Furniture and fixtures	.06	.07	.05	2.70	2.84	2.89	.00	.00	.00
Stone, clay, and glass products	.01	.01	.01	4.03	3.90	2.97	.00	.00	.00
Glass and glass products	.01	.01	.01	2.87	2.77	2.15	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.28	.27	.17	.00	.00	.00
Structural clay products	.00	.00	.00	.10	.08	.04	.00	.00	.00
Pottery and related products	.00	.00	.00	.12	.12	.10	.00	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.64	.65	.49	.00	.00	.00
Primary metal industries	.02	.01	.00	6.03	5.38	5.15	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	4.17	3.40	2.90	.00	.00	.00
Primary aluminum	.00	.00	.00	.68	.76	.72	.00	.00	.00
Other primary nonferrous	.01	.01	.00	1.16	1.21	1.52	.00	.00	.00
Fabricated metal products	.00	.00	.00	7.26	7.84	8.38	.00	.00	.00
Fabricated structural metal	.00	.00	.00	3.35	3.54	3.36	.00	.00	.00
Screw machine products	.00	.00	.00	.44	.49	.60	.00	.00	.00
Metal stamping	.00	.00	.00	.93	1.03	1.37	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	2.52	2.75	3.03	.00	.00	.00
Machinery except electrical	.03	.05	.07	3.97	4.71	6.46	.00	.00	.00
Engines and turbines	.00	.00	.00	.10	.12	.15	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.45	.47	.41	.00	.00	.00
Construction machines	.00	.00	.00	.72	.95	1.37	.00	.00	.00
Metalworking machinery	.00	.00	.00	.62	.73	1.05	.00	.00	.00
Office and accounting machines	.00	.00	.00	.08	.06	.04	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.08	.11	.23	.00	.00	.00
Other machinery, exc electrical	.03	.05	.07	1.88	2.24	3.20	.00	.00	.00
Electrical machinery	.00	.00	.00	3.75	4.16	5.58	.00	.00	.00
Household appliances	.00	.00	.00	.37	.37	.48	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.71	.68	.65	.00	.00	.00
Other electrical machinery	.00	.00	.00	2.65	3.10	4.44	.00	.00	.00
Transportation equipment	.00	.00	.00	3.70	4.12	4.65	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	1.93	2.19	2.14	.00	.00	.00
Aircraft and parts	.00	.00	.00	.58	.45	.28	.00	.00	.00
Ship, boat building and repair	.00	.00	.00	.35	.40	.34	.00	.00	.00
Railroad equipment	.00	.00	.00	.18	.22	.25	.00	.00	.00
Mobile dwellings	.00	.00	.00	.51	.62	1.32	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.13	.21	.29	.00	.00	.00
Professional, scientific instrs	.00	.00	.00	1.38	1.72	2.17	.00	.00	.00
Scientific instruments	.00	.00	.00	.26	.29	.33	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.55	.85	1.27	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.50	.53	.53	.00	.00	.00
Watches and clock devices	.00	.00	.00	.05	.04	.02	.00	.00	.00
Miscellaneous manufacturing	.04	.04	.00	1.98	1.92	1.69	.00	.00	.00
Nondurable goods	31.99	34.67	38.25	47.31	43.32	38.05	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clothing ironers and pressers			Cutting operatives, other			Dress- makers, exc factory		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.01	.01	.02	2.39	2.08	1.46	.00	.00	.00
Meat	.01	.01	.02	.77	.73	.58	.00	.00	.00
Dairy	.00	.00	.00	.11	.08	.05	.00	.00	.00
Canning and preserving	.00	.00	.00	.49	.44	.33	.00	.00	.00
Grain mill	.00	.00	.00	.09	.09	.06	.00	.00	.00
Bakery	.00	.00	.00	.49	.37	.19	.00	.00	.00
Confectionery	.00	.00	.00	.16	.12	.07	.00	.00	.00
Beverages	.00	.00	.00	.03	.03	.03	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.21	.19	.12	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.20	.14	.07	.00	.00	.00
Textile mill products	1.33	1.43	1.42	6.01	5.39	5.92	.00	.00	.00
Knitting mills	.98	1.08	1.08	2.41	2.21	2.63	.00	.00	.00
Dyeing,finishing textiles	.01	.01	.00	.27	.23	.18	.00	.00	.00
Floor coverings	.00	.00	.00	.89	.87	1.12	.00	.00	.00
Yarn and fabric mills	.30	.31	.31	1.64	1.38	1.29	.00	.00	.00
Miscellaneous textile mill	.02	.02	.02	.79	.68	.69	.00	.00	.00
Apparel and textile products	30.34	32.89	36.50	11.99	11.72	12.48	.00	.00	.00
Apparel and accessories	29.71	32.13	36.04	8.51	7.88	8.72	.00	.00	.00
Miscellaneous fabricated textile	.62	.75	.45	3.47	3.83	3.75	.00	.00	.00
Paper and allied products	.04	.03	.00	11.48	9.69	7.36	.00	.00	.00
Pulp,paper paperboard mills	.01	.01	.00	4.16	3.28	2.22	.00	.00	.00
Paperboard containers,boxes	.01	.01	.00	4.00	3.15	2.48	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	3.31	3.25	2.65	.00	.00	.00
Printing and publishing	.03	.04	.06	4.26	3.72	2.11	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.14	.13	.10	.00	.00	.00
Other printing,exc newspapers	.03	.04	.06	4.11	3.58	2.01	.00	.00	.00
Chemicals and allied products	.01	.02	.04	1.48	1.33	1.41	.00	.00	.00
Industrial chemicals	.01	.01	.03	.19	.17	.17	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.59	.49	.43	.00	.00	.00
Synthetic fibers	.00	.00	.01	.36	.35	.44	.00	.00	.00
Drugs and medicines	.00	.00	.00	.06	.07	.07	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.08	.07	.05	.00	.00	.00
Paints and varnishes	.00	.00	.00	.03	.03	.03	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.14	.11	.17	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.16	.16	.11	.00	.00	.00
Petroleum refining	.00	.00	.00	.05	.05	.02	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.11	.11	.08	.00	.00	.00
Rubber,miscellaneous plastics	.02	.04	.06	5.93	6.41	5.16	.00	.00	.00
Rubber	.01	.01	.00	3.62	3.31	2.94	.00	.00	.00
Miscellaneous plastics	.01	.03	.06	2.30	3.09	2.21	.00	.00	.00
Leather products	.18	.17	.12	3.37	2.65	1.93	.00	.00	.00
Leather tanning and finishing	.01	.00	.00	.37	.29	.15	.00	.00	.00
Footwear, except rubber	.13	.12	.11	1.79	1.36	.93	.00	.00	.00
All other leather	.04	.03	.01	1.20	1.00	.84	.00	.00	.00
Transportation, other public util	.00	.00	.00	.09	.09	.09	.04	.03	.03
Transportation,total	.00	.00	.00	.04	.04	.04	.04	.03	.03
Railroads and railway express	.00	.00	.00	.04	.03	.03	.04	.03	.03
Pipelines	.00	.00	.00	.00	.01	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.04	.05	.05	.00	.00	.00
Communications	.00	.00	.00	.02	.02	.05	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.02	.02	.05	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Electric light and power	.00	.00	.00	.02	.01	.00	.00	.00	.00
Wholesale and retail trade	1.96	2.69	2.91	8.64	9.62	10.52	56.60	57.46	50.99
Wholesale trade	.36	.42	.39	6.41	7.00	7.70	6.49	5.74	4.63

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clothing ironers and pressers			Cutting operatives, other			Dress- makers, exc factory		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.34	.39	.30	1.63	1.79	1.64	4.63	3.78	2.26
Motor vehicles and equipment	.00	.00	.00	.08	.10	.11	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.10	.10	.07	.00	.00	.00
Dry goods and apparel	.34	.39	.30	.52	.50	.47	4.32	3.47	2.06
Food and related products	.00	.00	.00	.33	.34	.25	.07	.07	.04
Farm products-raw materials	.00	.00	.00	.06	.08	.03	.00	.00	.00
Electrical goods	.00	.00	.00	.12	.14	.18	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.11	.13	.15	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.28	.37	.35	.23	.24	.14
Miscellaneous wholesale trade	.01	.03	.09	4.77	5.21	6.06	1.85	1.95	2.37
Metals and minerals, other	.00	.00	.00	1.48	1.49	1.68	.00	.00	.00
Petroleum products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Scrap and waste material	.00	.00	.00	.67	.97	.89	.05	.07	.09
Paper and paper products	.00	.00	.00	1.04	.97	1.21	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.73	.79	1.03	.00	.00	.00
Other wholesale trade	.01	.02	.09	.82	.97	1.23	1.80	1.88	2.27
Retail trade	1.59	2.27	2.52	2.23	2.61	2.81	50.11	51.72	46.36
Building materials	.00	.00	.00	.68	.73	.37	.00	.00	.00
Lumber,building material	.00	.00	.00	.65	.71	.36	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.02	.01	.00	.00	.00	.00
General merchandise,total	.31	.54	1.51	.44	.58	1.04	14.61	16.77	25.06
Department stores,mail order	.23	.43	1.10	.34	.46	.81	12.45	14.70	21.75
Direct selling	.00	.00	.00	.00	.00	.00	.06	.05	.06
Miscellaneous merchadise store	.08	.10	.41	.10	.12	.22	2.09	2.02	3.25
Food and dairy stores	.00	.00	.01	.17	.24	.32	.19	.21	.27
Grocery stores	.00	.00	.00	.10	.14	.22	.14	.15	.16
Retail bakeries	.00	.00	.00	.06	.08	.09	.00	.00	.00
Food stores,cther	.00	.00	.01	.01	.01	.00	.04	.06	.10
Auto dealers,gas stations	.00	.00	.00	.06	.05	.04	.04	.06	.08
Motor vehicle dealers	.00	.00	.00	.01	.01	.00	.00	.00	.00
Gasoline service stations	.00	.00	.00	.03	.03	.02	.04	.06	.08
Miscellaneous vehicle dealers	.00	.00	.00	.00	.01	.01	.00	.00	.00
Apparel and accessory stores	1.14	1.48	.72	.17	.19	.12	26.46	25.90	13.64
Apparel,accessory,except shoes	1.13	1.47	.72	.15	.17	.12	26.28	25.74	13.56
Shoe stores	.01	.01	.00	.01	.01	.00	.18	.16	.08
Furniture and appliance stores	.02	.03	.00	.56	.59	.50	7.58	6.85	4.26
Home furnishings	.02	.02	.00	.55	.58	.50	6.94	6.25	4.06
Household appliances,tv,radio	.00	.01	.00	.01	.01	.00	.64	.60	.19
Eating and drinking places	.04	.08	.00	.00	.00	.00	.14	.36	.66
Miscellaneous retail trade	.05	.11	.27	.12	.21	.40	1.07	1.53	2.36
Drug stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.04	.10	.27	.12	.21	.40	1.07	1.53	2.36
Services, total	65.62	62.19	58.59	.54	.97	1.62	42.26	41.64	48.27
Hotels and lodging place	.86	1.94	3.90	.00	.00	.00	.09	.07	.10
Hotels and motels	.76	1.81	3.67	.00	.00	.00	.00	.00	.00
Other lodging places	.09	.13	.23	.00	.00	.00	.09	.07	.10
Other personal services	60.50	52.09	33.07	.06	.12	.19	36.30	34.36	37.40
Laundering and cleaning	60.31	51.58	32.48	.00	.00	.00	4.84	2.60	.73
Shoe repair shops	.05	.14	.08	.00	.00	.00	.11	.18	.03
Dressmaking shops	.00	.02	.02	.04	.06	.10	30.98	30.94	36.21
Misc personal services	.12	.34	.47	.02	.05	.08	.35	.62	.42
Miscellaneous tusiness services	.02	.03	.00	.35	.61	1.03	1.26	1.60	2.21
Advertising	.00	.00	.00	.00	.00	.00	.04	.02	.03
Business management services	.00	.00	.00	.00	.00	.00	.64	.78	1.06
Commercial research,development	.00	.00	.00	.01	.02	.05	.01	.01	.01
Services to buildings	.02	.03	.00	.01	.01	.00	.00	.00	.00
Other business services	.00	.00	.00	.32	.58	.97	.57	.77	1.10
Automobile services	.00	.00	.00	.00	.01	.02	.00	.00	.00
Automobile repair	.00	.00	.00	.00	.01	.02	.00	.00	.00
Other repair services	.00	.00	.00	.04	.09	.13	.69	.94	.88
Other repair,exc electrical	.00	.00	.00	.04	.09	.13	.69	.94	.88
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.18	.10	.05
Miscellaneous entertainment	.01	.05	.10	.01	.02	.05	.00	.00	.00
Other entertainment	.01	.05	.10	.01	.02	.05	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Clothing ironers and pressers			Cutting operatives, other			Dress- makers, exc factory		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	3.03	5.83	18.44	.00	.00	.00	1.89	2.56	5.10
Hospitals	2.70	4.94	13.20	.00	.00	.00	1.60	1.99	3.57
Convalescent institutions	.30	.79	5.03	.00	.00	.00	.14	.23	1.01
Other health services	.02	.08	.20	.00	.00	.00	.14	.33	.51
Educational services	.32	.54	.89	.05	.09	.18	.61	.63	.59
Elementary and secondary school	.05	.06	.00	.00	.00	.00	.12	.09	.00
Colleges and universities	.21	.36	.66	.04	.07	.14	.35	.36	.34
Other educational services	.05	.11	.22	.01	.02	.04	.13	.18	.24
Nonprofit organizations	.24	.45	1.35	.00	.00	.00	.89	.99	1.61
Religious organizations	.07	.16	.39	.00	.00	.00	.36	.39	.39
Welfare services	.10	.15	.37	.00	.00	.00	.35	.36	.68
Residential welfare services	.04	.10	.51	.00	.00	.00	.10	.15	.50
Nonprofit membership organiztns	.01	.02	.08	.00	.00	.00	.07	.07	.03
Private househclds	.61	1.23	.78	.00	.00	.00	.32	.36	.28
Other professional services	.01	.02	.03	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.01	.02	.03	.00	.00	.00	.00	.00	.00
Government, total	.22	.21	.09	.00	.00	.00	1.05	.83	.70
Federal public administration	.22	.21	.09	.00	.00	.00	.97	.70	.34
Federal pub adm, exc post office	.22	.21	.09	.00	.00	.00	.97	.70	.34
Local public administration	.00	.00	.00	.00	.00	.00	.07	.12	.35

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drillers, earth			Dry wall installers, lathers			Dyers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.12	.92	1.65	.00	.00	.00	.00	.00	.00
Agriculture	.12	.92	1.65	.00	.00	.00	.00	.00	.00
Agricultural production	.12	.92	1.65	.00	.00	.00	.00	.00	.00
Mining	45.89	50.66	51.30	.01	.00	.00	.00	.00	.00
Metal	6.64	4.89	3.87	.00	.00	.00	.00	.00	.00
Coal	6.19	6.20	5.45	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	27.83	35.68	39.97	.01	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	5.22	3.87	1.99	.00	.00	.00	.00	.00	.00
Construction	33.31	30.99	26.43	98.56	98.85	99.24	.00	.00	.00
General building contractors	.64	.67	1.14	22.21	20.95	22.67	.00	.00	.00
General contractors,exc building	6.19	5.85	8.21	.51	.53	.65	.00	.00	.00
Special trade contractors	26.47	24.47	17.07	75.82	77.36	75.91	.00	.00	.00
Manufacturing	17.95	14.54	17.13	.39	.28	.22	98.12	97.80	97.87
Durable goods	16.86	13.73	16.35	.36	.26	.21	4.23	4.41	3.55
Ordnance	.49	.22	.26	.00	.00	.00	.10	.06	.04
Lumber and wood products	.02	.01	.01	.11	.06	.00	.15	.20	.28
Logging	.02	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.11	.06	.00	.15	.20	.28
Furniture and fixtures	.00	.00	.00	.08	.07	.06	.25	.36	.66
Stone,clay,and glass products	.94	.54	.12	.00	.00	.00	.24	.25	.26
Glass and glass products	.00	.00	.00	.00	.00	.00	.15	.19	.26
Cement,concrete,plaster	.42	.24	.05	.00	.00	.00	.02	.02	.00
Structural clay products	.08	.04	.01	.00	.00	.00	.06	.04	.00
Pottery and related products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.41	.25	.05	.00	.00	.00	.00	.00	.00
Primary metal industries	1.08	.76	.71	.00	.00	.00	.18	.15	.05
Blast furnaces,steel works	.22	.11	.03	.00	.00	.00	.00	.00	.00
Other primary steel	.37	.22	.08	.00	.00	.00	.00	.00	.00
Primary aluminum	.16	.15	.17	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.31	.26	.40	.00	.00	.00	.18	.15	.05
Fabricated metal products	2.20	1.57	1.03	.00	.00	.00	.38	.33	.10
Cutlery and other hardware	.61	.43	.18	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.94	.58	.15	.00	.00	.00	.00	.00	.00
Screw machine products	.39	.32	.37	.00	.00	.00	.00	.00	.00
Metal stamping	.26	.22	.31	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.38	.33	.10
Machinery except electrical	8.26	7.99	11.63	.07	.04	.00	.72	.71	.38
Construction machines	3.14	3.22	4.69	.00	.00	.00	.00	.00	.00
Metalworking machinery	1.49	1.38	2.07	.06	.03	.00	.35	.30	.08
Other machinery,exc electrical	3.62	3.38	4.86	.01	.00	.00	.37	.41	.30
Electrical machinery	1.68	1.56	2.36	.00	.00	.00	.56	.59	.46
Household appliances	.00	.00	.00	.00	.00	.00	.10	.09	.05
Other electrical machinery	1.68	1.56	2.36	.00	.00	.00	.45	.50	.41
Transportation equipment	1.62	.74	.13	.04	.03	.02	.05	.04	.01
Aircraft and parts	1.62	.74	.13	.00	.00	.00	.00	.00	.00
Railroad equipment	.00	.00	.00	.00	.00	.00	.05	.04	.01
Mobile dwellings	.00	.00	.00	.04	.03	.02	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	.16	.18	.09
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.08	.11	.06
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.07	.07	.03
Miscellaneous manufacturing	.54	.30	.07	.04	.06	.11	1.41	1.48	1.16
Nondurable goods	1.09	.81	.77	.02	.01	.01	93.88	93.38	94.32

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drillers, earth			Dry wall installers, lathers			Dyers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.08	.04	.02	.00	.00	.00	.11	.10	.05
Meat	.00	.00	.00	.00	.00	.00	.05	.03	.00
Beverages	.08	.04	.02	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.06	.07	.05
Textile mill products	.06	.05	.12	.00	.00	.00	81.44	80.02	80.44
Knitting mills	.00	.00	.00	.00	.00	.00	13.17	13.55	16.89
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	34.47	33.94	29.05
Floor coverings	.00	.00	.00	.00	.00	.00	5.82	6.71	10.58
Yarn and fabric mills	.06	.05	.12	.00	.00	.00	24.54	22.27	19.32
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	3.42	3.53	4.58
Apparel and textile products	.00	.00	.00	.00	.00	.00	4.28	5.28	6.39
Apparel and accessories	.00	.00	.00	.00	.00	.00	2.36	2.64	2.83
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	1.91	2.64	3.56
Paper and allied products	.08	.04	.02	.01	.00	.00	2.76	2.75	2.88
Pulp,paper paperboard mills	.08	.04	.02	.00	.00	.00	1.57	1.52	1.52
Paperboard containers,boxes	.00	.00	.00	.01	.00	.00	.60	.43	.16
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.58	.79	1.20
Printing and publishing	.00	.00	.00	.00	.00	.00	.18	.22	.28
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.18	.22	.28
Chemicals and allied products	.36	.28	.46	.01	.01	.01	1.62	1.39	1.41
Industrial chemicals	.25	.23	.45	.00	.00	.00	.51	.35	.06
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.31	.16	.01
Synthetic filters	.00	.00	.00	.00	.00	.00	.61	.74	1.26
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.15	.11	.02
Agricultural chemicals	.03	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.07	.03	.00	.01	.01	.01	.02	.02	.03
Petroleum and coal products	.07	.04	.01	.00	.00	.00	.06	.05	.00
Petroleum refining	.03	.02	.01	.00	.00	.00	.00	.00	.00
Misc petroleum,coal products	.03	.01	.00	.00	.00	.00	.06	.05	.00
Rubber,miscellaneous plastics	.43	.33	.13	.00	.00	.00	.80	1.21	1.31
Rubber	.18	.11	.06	.00	.00	.00	.25	.26	.24
Miscellaneous plastics	.25	.21	.07	.00	.00	.00	.54	.95	1.07
Leather products	.00	.00	.00	.00	.00	.00	2.60	2.32	1.52
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	1.54	1.38	.78
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.80	.69	.50
All other leather	.00	.00	.00	.00	.00	.00	.26	.24	.23
Transportation, other public util	.70	.73	.39	.04	.02	.00	.02	.02	.00
Transportation,total	.17	.11	.04	.04	.02	.00	.02	.02	.00
Railroads and railway express	.09	.05	.04	.01	.00	.00	.00	.00	.00
Trucking and warehousing	.05	.04	.00	.02	.01	.00	.02	.02	.00
Trucking services	.05	.04	.00	.02	.01	.00	.02	.02	.00
Air transportation	.01	.00	.00	.00	.00	.00	.00	.00	.00
Pipelines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.53	.61	.34	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.52	.60	.34	.00	.00	.00	.00	.00	.00
Electric light and power	.21	.43	.29	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.03	.03	.02	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.08	.04	.01	.00	.00	.00	.00	.00	.00
Water supply	.14	.07	.01	.00	.00	.00	.00	.00	.00
Other utilities	.04	.01	.00	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	.96	.86	.79	.21	.16	.06	1.59	1.90	1.91
Wholesale trade	.91	.80	.75	.04	.03	.02	1.22	1.43	1.38
Wholesale,exc misc whlsle trade	.51	.46	.29	.00	.00	.00	.90	1.11	1.24
Motor vehicles and equipment	.05	.05	.06	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.40	.50	.53
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.44	.54	.68
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.05	.07	.02
Machinery equipment,supplies	.45	.40	.23	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.40	.34	.45	.04	.03	.02	.31	.31	.13
Metals and minerals, other	.14	.11	.13	.00	.00	.00	.00	.00	.00
Petroleum products	.09	.05	.02	.00	.00	.00	.00	.00	.00
Scrap and waste material	.02	.02	.01	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.07	.07	.16	.02	.02	.02	.00	.00	.00
Other wholesale trade	.07	.07	.13	.01	.01	.00	.31	.31	.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Drillers, earth			Dry wall installers, lathers			Dyers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.05	.05	.04	.16	.13	.04	.37	.47	.53
Building materials	.00	.00	.00	.12	.10	.04	.00	.00	.00
Lumber,building material	.00	.00	.00	.12	.10	.04	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.02	.01	.00	.26	.37	.53
Apparel,accessory,except shoes	.00	.00	.00	.02	.01	.00	.06	.06	.00
Shoe stores	.00	.00	.00	.00	.00	.00	.20	.30	.53
Furniture and appliance stores	.01	.02	.04	.02	.01	.00	.05	.04	.00
Home furnishings	.00	.00	.00	.02	.01	.00	.05	.04	.00
Household appliances,tv,radio	.01	.02	.04	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.03	.02	.00	.00	.00	.00	.05	.06	.00
Misc retail trade stores	.03	.02	.00	.00	.00	.00	.05	.06	.00
Finance,insurance and real estate	.00	.00	.00	.17	.17	.14	.00	.00	.00
Real estate	.00	.00	.00	.17	.17	.14	.00	.00	.00
Services, total	.72	.97	1.71	.58	.48	.32	.26	.26	.21
Other personal services	.00	.00	.00	.00	.00	.00	.22	.21	.21
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.20	.20	.21
Misc personal services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Miscellaneous business services	.42	.52	.86	.00	.00	.00	.03	.05	.00
Commercial research,development	.24	.29	.56	.00	.00	.00	.01	.01	.00
Other business services	.17	.23	.30	.00	.00	.00	.02	.03	.00
Other repair services	.05	.05	.06	.00	.00	.00	.00	.00	.00
Electrical repair	.01	.01	.02	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.03	.04	.03	.00	.00	.00	.00	.00	.00
Medical and other health service	.00	.00	.00	.10	.07	.00	.00	.00	.00
Hospitals	.00	.00	.00	.10	.07	.00	.00	.00	.00
Educational services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other educational services	.00	.00	.00	.01	.01	.00	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.42	.37	.32	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.42	.37	.32	.00	.00	.00
Private housechlds	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other professional services	.25	.38	.78	.01	.00	.00	.00	.00	.00
Engineering and architectural	.24	.37	.78	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.01	.01	.00	.01	.00	.00	.00	.00	.00
Government,total	.31	.30	.57	.02	.01	.00	.00	.00	.00
Federal public administration	.26	.20	.25	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.26	.20	.25	.00	.00	.00	.00	.00	.00
State public administration	.05	.10	.31	.00	.00	.00	.00	.00	.00
Local public administration	.00	.00	.00	.02	.01	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Filer polisher, sandr, buffr			Garage wkr, gas station attendant			Laundry, dry cleang opr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.12	.11	.05	.05	.06	.05	.00	.00	.00
Metal	.00	.00	.00	.02	.02	.02	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.02	.03	.03	.00	.00	.00
Nonmetallic mining and quarrying	.12	.11	.05	.00	.00	.00	.00	.00	.00
Construction	.53	.82	1.69	.19	.19	.34	.00	.00	.00
General building contractors	.06	.13	.35	.00	.00	.00	.00	.00	.00
General contractors, exc building	.04	.03	.00	.17	.17	.34	.00	.00	.00
Special trade contractors	.42	.65	1.33	.01	.01	.00	.00	.00	.00
Manufacturing	94.27	92.43	90.10	.67	.54	.51	1.35	1.28	.71
Durable goods	89.73	88.32	87.37	.22	.20	.24	.20	.17	.10
Ordnance	.90	.52	.60	.01	.01	.01	.08	.04	.01
Lumber and wood products	6.50	5.28	3.44	.01	.01	.01	.00	.00	.00
Logging	.05	.05	.03	.00	.00	.00	.00	.00	.00
Sawmill, planing and mill work	4.38	3.63	2.59	.01	.01	.00	.00	.00	.00
Miscellaneous wood products	2.06	1.58	.81	.00	.00	.00	.00	.00	.00
Furniture and fixtures	18.18	16.10	8.17	.00	.00	.00	.01	.01	.00
Stone, clay, and glass products	4.86	4.14	1.81	.04	.03	.02	.00	.00	.00
Glass and glass products	2.55	2.22	1.12	.00	.00	.00	.00	.00	.00
Cement, concrete, plaster	.13	.11	.04	.03	.02	.00	.00	.00	.00
Structural clay products	.06	.04	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.32	.27	.11	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	1.77	1.49	.53	.00	.00	.00	.00	.00	.00
Primary metal industries	5.39	5.22	5.87	.02	.02	.02	.03	.03	.02
Blast furnaces, steel works	.89	.58	.21	.01	.01	.00	.01	.00	.00
Other primary steel	1.07	.79	.28	.00	.00	.00	.01	.01	.01
Primary aluminum	1.56	1.87	2.44	.00	.00	.00	.00	.00	.00
Other primary nonferrous	1.86	1.97	2.93	.00	.00	.00	.01	.01	.00
Fabricated metal products	16.52	17.84	20.70	.01	.01	.01	.00	.00	.00
Cutlery and other hardware	4.42	4.45	3.10	.00	.00	.00	.00	.00	.00
Fabricated structural metal	1.60	1.51	.88	.00	.00	.00	.00	.00	.00
Screw machine products	.39	.45	.67	.00	.00	.00	.00	.00	.00
Metal stamping	2.71	3.05	4.76	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	7.38	8.36	11.27	.01	.01	.01	.00	.00	.00
Machinery except electrical	8.96	10.76	17.65	.02	.02	.02	.01	.01	.00
Engines and turbines	.70	.91	1.30	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.43	.39	.20	.01	.00	.00	.00	.00	.00
Construction machines	.97	1.30	2.26	.00	.00	.00	.00	.00	.00
Metalworking machinery	2.30	2.77	4.84	.00	.00	.00	.00	.00	.00
Office and accounting machines	.39	.26	.14	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.23	.30	.66	.00	.00	.00	.00	.00	.00
Other machinery, exc electrical	3.92	4.79	8.24	.01	.01	.02	.00	.00	.00
Electrical machinery	5.94	6.57	10.32	.00	.00	.00	.01	.01	.00
Household appliances	1.65	1.67	2.52	.00	.00	.00	.01	.01	.00
Radio, tv communications equip	1.22	1.20	1.42	.00	.00	.00	.00	.00	.00
Other electrical machinery	3.06	3.69	6.37	.00	.00	.00	.00	.00	.00
Transportation equipment	12.24	12.38	10.99	.07	.07	.12	.01	.02	.01
Motor vehicles and equipment	7.65	8.21	6.51	.05	.04	.06	.00	.00	.00
Aircraft and parts	3.65	3.01	2.48	.00	.00	.00	.00	.00	.00
Ship, boat building and repair	.53	.53	.25	.00	.01	.01	.01	.02	.01
Railroad equipment	.03	.05	.10	.00	.00	.00	.00	.00	.00
Mobile dwellings	.23	.31	1.13	.00	.00	.04	.00	.00	.00
Cycles, misc transportation	.13	.24	.51	.00	.00	.00	.00	.00	.00
Professional, scientific instrs	2.85	3.71	5.66	.00	.00	.00	.00	.00	.00
Scientific instruments	.56	.63	.84	.00	.00	.00	.00	.00	.00
Optical, health serv supplies	1.61	2.55	4.56	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.16	.14	.05	.00	.00	.00	.00	.00	.00
Watches and clock devices	.50	.38	.19	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	7.36	5.76	2.11	.00	.00	.00	.02	.03	.03
Nondurable goods	4.53	4.11	2.73	.44	.34	.27	1.15	1.10	.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Filer polisher, sandr,buffer			Garage wkr, gas station attendant			Laundry, dry cleang oprs, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.34	.25	.10	.16	.10	.05	.36	.32	.10
Meat	.02	.02	.03	.02	.01	.01	.24	.21	.06
Dairy	.04	.02	.00	.02	.01	.00	.01	.01	.00
Canning and preserving	.03	.03	.02	.03	.02	.01	.06	.05	.01
Grain mill	.03	.02	.00	.00	.00	.00	.00	.00	.00
Bakery	.03	.02	.00	.02	.01	.00	.00	.00	.00
Confectionery	.05	.03	.00	.00	.00	.00	.00	.00	.00
Beverages	.02	.01	.00	.02	.01	.00	.01	.01	.00
Miscellaneous food preparation	.10	.07	.02	.02	.01	.00	.00	.00	.00
Tobacco manufacturing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Textile mill products	.30	.21	.10	.01	.00	.01	.24	.22	.10
Knitting mills	.03	.02	.02	.00	.00	.00	.05	.05	.03
Dyeing,finishing textiles	.02	.01	.00	.00	.00	.00	.03	.03	.01
Floor coverings	.00	.00	.00	.00	.00	.00	.06	.06	.03
Yarn and fabric mills	.17	.11	.05	.01	.00	.01	.08	.06	.02
Miscellaneous textile mill	.07	.05	.03	.00	.00	.00	.01	.01	.00
Apparel and textile products	.18	.17	.12	.02	.02	.04	.35	.34	.19
Apparel and accessories	.09	.08	.06	.01	.01	.04	.31	.30	.15
Miscellaneous fabricated textile	.09	.09	.06	.01	.00	.00	.03	.04	.03
Paper and allied products	.26	.20	.05	.00	.00	.01	.01	.01	.00
Pulp,paper paperboard mills	.13	.10	.05	.00	.00	.00	.00	.00	.00
Paperboard containers,boxes	.05	.03	.00	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.08	.06	.00	.00	.00	.00	.01	.01	.00
Printing and publishing	.11	.10	.05	.01	.01	.01	.02	.03	.03
Newspaper publishing, printing	.01	.00	.00	.00	.00	.01	.00	.00	.00
Other printing,exc newspapers	.10	.09	.05	.00	.00	.00	.02	.03	.03
Chemicals and allied products	.71	.58	.42	.04	.04	.05	.11	.12	.12
Industrial chemicals	.14	.11	.06	.01	.01	.02	.04	.05	.07
Plastics and synthetics	.18	.15	.16	.00	.00	.00	.00	.00	.00
Synthetic fibers	.07	.05	.00	.00	.00	.00	.01	.01	.00
Drugs and medicines	.06	.04	.01	.01	.01	.01	.01	.01	.00
Soaps and cosmetics	.11	.10	.06	.00	.00	.00	.00	.00	.00
Paints and varnishes	.05	.04	.02	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.01	.01	.02	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.05	.04	.08	.00	.00	.00	.03	.03	.03
Petroleum and coal products	.04	.04	.00	.02	.02	.00	.00	.00	.00
Petroleum refining	.01	.01	.00	.01	.01	.00	.00	.00	.00
Misc petroleum,coal products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	1.66	1.89	1.49	.15	.11	.07	.01	.03	.04
Rubber	.66	.66	.88	.14	.10	.06	.00	.01	.01
Miscellaneous plastics	.99	1.22	.60	.00	.00	.01	.00	.02	.03
Leather products	.88	.63	.36	.00	.00	.00	.01	.00	.00
Leather tanning and finishing	.10	.05	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.61	.44	.25	.00	.00	.00	.00	.00	.00
All other leather	.17	.13	.10	.00	.00	.00	.00	.00	.00
Transportation, other public util	.15	.13	.10	.88	.83	.82	.01	.02	.01
Transportation,total	.12	.11	.10	.61	.59	.56	.01	.02	.01
Railroads and railway express	.03	.02	.00	.01	.01	.00	.01	.02	.01
Local and interurban transit	.00	.00	.00	.10	.07	.14	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.08	.05	.12	.00	.00	.00
Taxicab service	.00	.00	.00	.02	.02	.01	.00	.00	.00
Trucking and warehousing	.01	.01	.00	.42	.44	.37	.00	.00	.00
Trucking services	.01	.01	.00	.42	.44	.36	.00	.00	.00
Water transportation	.00	.00	.00	.04	.03	.01	.00	.00	.00
Air transportation	.03	.04	.04	.01	.01	.01	.00	.00	.00
Transportation services	.03	.03	.06	.00	.00	.01	.00	.00	.00
Communicatns,utils,sanitary serv	.02	.02	.00	.26	.23	.26	.00	.00	.00
Communications	.01	.01	.00	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.01	.01	.00	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.01	.01	.00	.26	.23	.26	.00	.00	.00
Electric light and power	.01	.01	.00	.05	.05	.07	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.08	.07	.11	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.04	.03	.03	.00	.00	.00
Water supply	.00	.00	.00	.01	.01	.01	.00	.00	.00
Sanitary services	.00	.00	.00	.06	.05	.02	.00	.00	.00
Wholesale and retail trade	3.40	4.09	5.10	94.38	93.31	91.46	1.12	1.64	1.54
Wholesale trade	1.94	2.31	3.06	1.09	.95	.58	.15	.19	.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Filer polisher, sandr, buffr			Garage wkr, gas station attendant			Laundry, dry cleang oprs, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.83	.99	.97	.69	.60	.32	.13	.15	.08
Motor vehicles and equipment	.23	.27	.25	.57	.46	.19	.00	.00	.00
Dry goods and apparel	.00	.01	.01	.00	.00	.00	.01	.01	.00
Food and related products	.00	.00	.00	.03	.02	.02	.09	.09	.02
Farm products-raw materials	.02	.03	.01	.05	.06	.03	.00	.00	.00
Electrical gcods	.14	.16	.25	.00	.00	.02	.00	.00	.00
Hardware and plumbing	.11	.13	.17	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.30	.36	.25	.01	.01	.02	.02	.04	.05
Miscellaneous wholesale trade	1.11	1.32	2.08	.40	.36	.26	.01	.04	.05
Metals and minerals, other	.08	.10	.21	.00	.00	.00	.00	.00	.00
Petroleum products	.02	.01	.00	.37	.31	.18	.00	.00	.01
Scrap and waste material	.04	.07	.11	.01	.01	.02	.01	.03	.04
Alcoholic beverages	.01	.01	.00	.00	.00	.00	.00	.00	.00
Paper and paper products	.02	.02	.01	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.31	.35	.61	.00	.00	.00	.00	.00	.00
Other wholesale trade	.61	.73	1.14	.01	.02	.04	.00	.00	.00
Retail trade	1.46	1.78	2.04	93.28	92.35	90.88	.96	1.44	1.41
Building materials	.24	.24	.10	.06	.05	.03	.00	.00	.00
Lumber, building material	.18	.19	.08	.02	.02	.01	.00	.00	.00
Hardware and farm equipment	.05	.04	.01	.04	.03	.02	.00	.00	.00
General merchandise, total	.11	.14	.43	1.06	1.14	2.54	.10	.11	.14
Department stores, mail order	.11	.14	.25	.76	.90	1.97	.03	.03	.00
Limited price stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Vending machine operators	.00	.00	.17	.00	.01	.03	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.27	.21	.53	.06	.08	.14
Food and dairy stores	.03	.03	.00	.43	.46	.75	.59	.84	.89
Grocery stores	.03	.03	.00	.35	.37	.62	.54	.76	.84
Food stores, other	.00	.00	.00	.07	.08	.12	.05	.08	.05
Auto dealers, gas stations	.20	.31	.51	91.01	89.78	86.58	.01	.01	.00
Motor vehicle dealers	.11	.15	.26	2.89	3.18	4.38	.00	.00	.00
Tire, battery, accessory deals	.09	.15	.25	3.82	5.41	6.90	.00	.00	.00
Gasoline service stations	.00	.00	.00	84.15	80.97	74.92	.01	.01	.00
Miscellaneous vehicle dealers	.00	.00	.00	.14	.21	.37	.00	.00	.00
Apparel and accessory stores	.02	.02	.00	.22	.19	.12	.03	.05	.04
Apparel, accessory, except shoes	.01	.01	.00	.01	.01	.01	.03	.04	.04
Shoe stores	.01	.01	.00	.20	.17	.10	.00	.00	.00
Furniture and appliance stores	.30	.31	.18	.03	.03	.03	.04	.04	.01
Home furnishings	.25	.26	.18	.00	.00	.01	.04	.04	.01
Household appliances, tv, radio	.05	.05	.00	.02	.02	.02	.00	.00	.00
Eating and drinking places	.00	.00	.00	.29	.51	.58	.14	.33	.24
Miscellaneous retail trade	.53	.71	.80	.16	.16	.21	.02	.03	.06
Farm, garden supply stores	.00	.00	.00	.05	.07	.11	.00	.00	.00
Jewelry stores	.32	.38	.16	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.06	.04	.01	.00	.00	.00
Misc retail trade stores	.20	.33	.64	.03	.04	.08	.02	.03	.06
Finance, insurance and real estate	.00	.00	.00	.06	.05	.03	.07	.08	.02
Finance, total	.00	.00	.00	.01	.01	.00	.00	.00	.00
Insurance	.00	.00	.00	.01	.00	.00	.00	.00	.00
Real estate	.00	.00	.00	.03	.03	.03	.07	.08	.02
Services, total	1.26	2.14	2.56	3.23	4.49	6.39	96.72	96.29	97.43

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Filer polisher, sandr, buffr			Garage wkr, gas station attendant			Laundry, dry cleang oprs, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.09	.12	.10	.08	.12	.19	4.49	6.76	4.93
Hotels and motels	.09	.12	.10	.08	.11	.18	4.24	6.50	4.68
Other lodging places	.00	.00	.00	.00	.00	.00	.24	.26	.24
Other personal services	.00	.00	.00	.02	.03	.04	68.10	50.21	17.16
Laundering and cleaning	.00	.00	.00	.01	.01	.01	67.75	49.46	16.78
Beauty shops	.00	.00	.00	.00	.00	.00	.01	.02	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.11	.28	.08
Dressmaking shops	.00	.00	.00	.00	.00	.00	.01	.03	.02
Misc personal services	.00	.00	.00	.01	.02	.03	.20	.41	.27
Miscellaneous business services	.11	.20	.43	.19	.30	.56	.06	.12	.22
Commercial research, development	.00	.00	.00	.00	.00	.00	.00	.01	.00
Computer programing	.01	.01	.02	.00	.00	.00	.00	.00	.00
Detective and protective serv	.00	.00	.00	.00	.01	.03	.00	.00	.00
Services to buildings	.00	.00	.00	.01	.01	.00	.04	.08	.17
Other business services	.10	.18	.40	.17	.26	.51	.01	.03	.04
Automobile services	.11	.21	.16	2.76	3.78	5.23	.00	.00	.00
Automobile repair	.11	.21	.16	1.53	2.40	2.39	.00	.00	.00
Automobile services, exc repair	.00	.00	.00	1.22	1.37	2.83	.00	.00	.00
Other repair services	.85	1.48	1.64	.02	.03	.04	.00	.00	.00
Other repair, exc electrical	.85	1.48	1.64	.01	.02	.03	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous entertainment	.00	.00	.00	.01	.02	.03	.09	.21	.11
Other entertainment	.00	.00	.00	.01	.02	.03	.09	.21	.11
Medical and other health service	.00	.00	.00	.05	.10	.16	21.01	34.29	69.84
Offices of physicians	.00	.00	.00	.00	.00	.00	.03	.05	.03
Offices of dentists	.00	.00	.00	.00	.00	.00	.00	.01	.00
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.00	.01	.00
Hospitals	.00	.00	.00	.02	.02	.00	16.66	24.82	36.64
Convalescent institutions	.00	.00	.00	.00	.00	.00	4.24	9.15	32.86
Other health services	.00	.00	.00	.02	.08	.16	.06	.23	.28
Educational services	.00	.00	.00	.05	.06	.09	2.06	3.26	2.97
Elementary and secondary school	.00	.00	.00	.01	.01	.00	.80	1.47	1.38
Colleges and universities	.00	.00	.00	.02	.03	.08	1.09	1.51	1.34
Other educational services	.00	.00	.00	.00	.00	.01	.16	.27	.24
Nonprofit organizations	.02	.04	.11	.00	.00	.00	.86	1.37	2.13
Religious organizations	.00	.00	.00	.00	.00	.00	.35	.55	.55
Welfare services	.00	.00	.00	.00	.00	.00	.14	.18	.28
Residential welfare services	.00	.00	.00	.00	.00	.00	.30	.56	1.26
Nonprofit membership organiztns	.02	.04	.11	.00	.00	.00	.06	.07	.02
Private households	.05	.08	.11	.00	.00	.02	.00	.00	.00
Other professional services	.00	.00	.00	.00	.00	.00	.01	.02	.03
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.01	.02	.03
Government, total	.23	.24	.36	.51	.50	.36	.69	.66	.26
Federal public administration	.23	.24	.36	.23	.22	.16	.46	.36	.09
Postal services	.00	.00	.00	.14	.14	.02	.00	.00	.00
Federal pub adm, exc post office	.23	.24	.36	.09	.08	.13	.46	.36	.09
State public administration	.00	.00	.00	.03	.03	.03	.15	.19	.08
Local public administration	.00	.00	.00	.24	.24	.17	.07	.10	.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat cutrs, butchers, except mfg			Meat cutters and butchers			Milleners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.11	.08	.01	.00	.00	.00	.00	.00	.00
Agriculture	.11	.08	.01	.00	.00	.00	.00	.00	.00
Agricultural production	.06	.04	.00	.00	.00	.00	.00	.00	.00
Services,except horticulture	.04	.03	.01	.00	.00	.00	.00	.00	.00
Mining	.01	.01	.01	.00	.00	.00	.00	.00	.00
Coal	.01	.01	.01	.00	.00	.00	.00	.00	.00
Manufacturing	.00	.00	.00	100.00	100.00	100.00	8.40	7.15	6.53
Durable goods	.00	.00	.00	.08	.05	.01	.30	.20	.00
Ordnance	.00	.00	.00	.03	.01	.00	.00	.00	.00
Fabricated metal products	.00	.00	.00	.03	.02	.01	.30	.20	.00
Fabricated structural metal	.00	.00	.00	.01	.01	.00	.00	.00	.00
Screw machine products	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.30	.20	.00
Nondurable goods	.00	.00	.00	99.91	99.94	99.98	8.10	6.95	6.53
Food and kindred products	.00	.00	.00	99.07	99.21	99.27	.00	.00	.00
Meat	.00	.00	.00	89.06	89.86	90.73	.00	.00	.00
Dairy	.00	.00	.00	.33	.25	.20	.00	.00	.00
Canning and preserving	.00	.00	.00	8.58	8.08	7.48	.00	.00	.00
Grain mill	.00	.00	.00	.31	.30	.24	.00	.00	.00
Bakery	.00	.00	.00	.09	.06	.00	.00	.00	.00
Beverages	.00	.00	.00	.09	.09	.12	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.58	.55	.48	.00	.00	.00
Textile mill products	.00	.00	.00	.18	.13	.00	.00	.00	.00
Knitting mills	.00	.00	.00	.13	.09	.00	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.05	.03	.00	.00	.00	.00
Apparel and textile products	.00	.00	.00	.18	.20	.21	8.10	6.95	6.53
Apparel and accessories	.00	.00	.00	.00	.00	.00	8.10	6.95	6.53
Miscellaneous fabricated textile	.00	.00	.00	.18	.20	.21	.00	.00	.00
Paper and allied products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.01	.00	.00	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.26	.21	.34	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.02	.02	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.23	.19	.34	.00	.00	.00
Leather products	.00	.00	.00	.20	.16	.15	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.15	.11	.11	.00	.00	.00
All other leather	.00	.00	.00	.04	.04	.03	.00	.00	.00
Transportation, other public util	.93	.64	.27	.00	.00	.00	.00	.00	.00
Transportation,total	.93	.64	.27	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.93	.63	.27	.00	.00	.00	.00	.00	.00
Warehousing and storage	.93	.63	.27	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	96.69	96.79	97.90	.00	.00	.00	89.55	90.90	93.46
Wholesale trade	12.03	12.43	11.66	.00	.00	.00	3.20	2.15	.73
Wholesale,exc misc whlsle trade	11.97	12.36	11.56	.00	.00	.00	3.20	2.15	.73
Dry goods and apparel	.02	.02	.02	.00	.00	.00	.00	.00	.00
Food and related products	11.56	11.83	11.23	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.27	.37	.18	.00	.00	.00	.00	.00	.00
Electrical goods	.02	.02	.01	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Macninery equipment,supplies	.06	.08	.10	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.06	.07	.10	.00	.00	.00	.00	.00	.00
Petroleum products	.00	.01	.04	.00	.00	.00	.00	.00	.00
Other wholesale trade	.04	.04	.04	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Meat cuttrs, butchers, except mfg			Meat cutters and butchers			Milleners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	84.65	84.35	86.23	.00	.00	.00	86.35	88.75	92.73
General merchandise, total	.96	.94	1.06	.00	.00	.00	5.60	7.75	27.46
Department stores, mail order	.42	.46	.50	.00	.00	.00	4.50	6.50	23.86
Limited price stores	.05	.04	.03	.00	.00	.00	.00	.00	.00
Vending machine operators	.01	.01	.00	.00	.00	.00	.00	.00	.00
Direct selling	.03	.02	.03	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.43	.39	.48	.00	.00	.00	1.10	1.25	3.60
Food and dairy stores	81.72	79.72	81.03	.00	.00	.00	.00	.00	.00
Grocery stores	67.58	64.95	68.58	.00	.00	.00	.00	.00	.00
Retail bakeries	.04	.04	.05	.00	.00	.00	.00	.00	.00
Food stores, other	14.09	14.72	12.39	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	.11	.15	.23	.00	.00	.00	.00	.00	.00
Gasoline service stations	.11	.15	.23	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.04	.06	.11	.00	.00	.00	80.75	81.00	65.26
Apparel, accessory, except shoes	.04	.06	.11	.00	.00	.00	80.75	81.00	65.26
Furniture and appliance stores	.03	.04	.07	.00	.00	.00	.00	.00	.00
Home furnishings	.02	.02	.05	.00	.00	.00	.00	.00	.00
Household appliances, tv, radio	.00	.01	.01	.00	.00	.00	.00	.00	.00
Eating and drinking places	1.73	3.36	3.62	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.04	.06	.11	.00	.00	.00	.00	.00	.00
Drug stores	.01	.02	.02	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.01	.03	.08	.00	.00	.00	.00	.00	.00
Services, total	1.62	1.75	1.28	.00	.00	.00	2.05	1.95	.00
Hotels and lodging place	.33	.46	.51	.00	.00	.00	.00	.00	.00
Hotels and motels	.33	.46	.51	.00	.00	.00	.00	.00	.00
Other personal services	.00	.00	.00	.00	.00	.00	.20	.35	.00
Shoe repair shops	.00	.00	.00	.00	.00	.00	.20	.35	.00
Miscellaneous business services	.02	.03	.04	.00	.00	.00	.30	.35	.00
Other business services	.01	.03	.04	.00	.00	.00	.30	.35	.00
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.50	.30	.00
Miscellaneous entertainment	.07	.11	.03	.00	.00	.00	.00	.00	.00
Other entertainment	.07	.11	.03	.00	.00	.00	.00	.00	.00
Medical and other health service	.75	.71	.43	.00	.00	.00	.65	.45	.00
Hospitals	.71	.65	.34	.00	.00	.00	.25	.20	.00
Convalescent institutions	.03	.05	.08	.00	.00	.00	.40	.25	.00
Educational services	.35	.33	.13	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.04	.03	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.26	.24	.11	.00	.00	.00	.00	.00	.00
Other educational services	.05	.06	.02	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.06	.08	.12	.00	.00	.00	.40	.50	.00
Religious organizations	.01	.01	.00	.00	.00	.00	.00	.00	.00
Welfare services	.01	.02	.03	.00	.00	.00	.40	.50	.00
Nonprofit membership organiztns	.03	.04	.08	.00	.00	.00	.00	.00	.00
Private households	.01	.01	.00	.00	.00	.00	.00	.00	.00
Government, total	.62	.71	.51	.00	.00	.00	.00	.00	.00
Federal public administration	.58	.65	.40	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	.58	.65	.40	.00	.00	.00	.00	.00	.00
Local public administration	.04	.06	.10	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mine operatives, other			Mixing operatives			Oilers, greasers, except auto		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.29	.38	.33	.09	.10	.07
Agriculture	.00	.00	.00	.28	.37	.33	.05	.05	.06
Agricultural production	.00	.00	.00	.07	.05	.00	.00	.00	.00
Services,except horticulture	.00	.00	.00	.20	.31	.33	.04	.04	.06
Horticultural services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Forestry	.00	.00	.00	.01	.01	.00	.00	.01	.01
Fisheries	.00	.00	.00	.00	.00	.00	.03	.04	.00
Mining	100.00	100.00	100.00	.40	.56	.69	10.07	13.51	18.07
Metal	15.43	10.17	6.72	.02	.02	.03	2.08	2.11	2.57
Coal	29.98	32.27	44.96	.06	.11	.26	3.84	5.66	8.66
Crude petroleum and natural gas	41.57	48.60	43.78	.14	.23	.20	1.93	3.51	5.19
Nonmetallic mining and quarrying	13.01	8.95	4.52	.17	.19	.19	2.21	2.22	1.63
Construction	.00	.00	.00	.41	.78	2.01	15.93	15.91	9.67
General building contractors	.00	.00	.00	.07	.16	.49	2.28	2.18	1.36
General contractors,exc building	.00	.00	.00	.16	.25	.44	11.20	11.06	6.59
Special trade contractors	.00	.00	.00	.17	.36	1.07	2.44	2.67	1.72
Manufacturing	.00	.00	.00	90.23	86.75	83.67	54.66	51.68	58.33
Durable goods	.00	.00	.00	26.33	26.84	27.33	30.72	29.65	32.36
Ordnance	.00	.00	.00	.83	.45	.45	.77	.38	.28
Lumber and wood products	.00	.00	.00	.86	.83	.70	1.71	1.98	2.77
Logging	.00	.00	.00	.01	.01	.00	.06	.06	.06
Sawmill,planing and mill work	.00	.00	.00	.66	.66	.60	1.38	1.58	2.09
Miscellaneous wood products	.00	.00	.00	.18	.15	.10	.26	.33	.62
Furniture and fixtures	.00	.00	.00	.59	.62	.64	.30	.37	.71
Stone,clay,and glass products	.00	.00	.00	11.66	11.43	8.44	4.67	4.89	5.10
Glass and glass products	.00	.00	.00	1.00	.94	.67	.60	.65	.86
Cement,concrete,plaster	.00	.00	.00	7.00	6.96	5.18	2.89	3.07	3.24
Structural clay products	.00	.00	.00	1.02	.82	.41	.34	.32	.30
Pottery and related products	.00	.00	.00	.70	.71	.62	.08	.09	.09
Miscellaneous nonmetallic,stone	.00	.00	.00	1.92	1.98	1.53	.74	.75	.59
Primary metal industries	.00	.00	.00	2.54	2.48	2.88	8.05	6.94	7.34
Blast furnaces,steel works	.00	.00	.00	.67	.55	.49	4.38	3.81	4.65
Other primary steel	.00	.00	.00	.83	.78	.78	1.65	1.65	2.29
Primary aluminum	.00	.00	.00	.16	.19	.24	.83	.62	.11
Other primary nonferrous	.00	.00	.00	.87	.94	1.35	1.16	.84	.27
Fabricated metal products	.00	.00	.00	1.64	1.92	2.71	2.79	2.57	2.47
Cutlery and other hardware	.00	.00	.00	.08	.10	.12	.29	.38	.78
Fabricated structural metal	.00	.00	.00	.19	.21	.22	.57	.70	1.23
Screw machine products	.00	.00	.00	.01	.01	.01	.22	.15	.02
Metal stamping	.00	.00	.00	.49	.57	.90	.77	.60	.23
Miscellaneous fabricated metal	.00	.00	.00	.86	1.02	1.44	.93	.72	.20
Machinery except electrical	.00	.00	.00	1.15	1.47	2.58	3.69	3.30	1.84
Engines and turbines	.00	.00	.00	.04	.06	.11	.26	.25	.14
Farm machinery and equipment	.00	.00	.00	.09	.09	.09	.26	.31	.49
Construction machines	.00	.00	.00	.15	.23	.46	.88	.68	.12
Metalworking machinery	.00	.00	.00	.19	.24	.41	.46	.38	.15
Office and accounting machines	.00	.00	.00	.06	.06	.08	.05	.04	.04
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.04	.04	.00
Other machinery,exc electrical	.00	.00	.00	.59	.77	1.41	1.73	1.58	.88
Electrical machinery	.00	.00	.00	2.47	2.61	3.11	2.04	1.67	.75
Household appliances	.00	.00	.00	.31	.33	.56	.45	.32	.12
Radio,tv communications equip	.00	.00	.00	.34	.31	.35	.37	.24	.00
Other electrical machinery	.00	.00	.00	1.82	1.97	2.19	1.20	1.09	.62
Transportation equipment	.00	.00	.00	1.58	1.72	1.97	5.76	6.57	9.71
Motor vehicles and equipment	.00	.00	.00	1.05	1.25	1.43	3.95	5.13	8.65
Aircraft and parts	.00	.00	.00	.42	.32	.18	1.17	.94	.75
Ship,boat building and repair	.00	.00	.00	.04	.04	.02	.44	.30	.21
Railroad equipment	.00	.00	.00	.02	.03	.03	.16	.14	.03
Mobile dwellings	.00	.00	.00	.03	.05	.27	.02	.02	.04
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.01	.01	.01
Professional,scientific instrs	.00	.00	.00	1.23	1.56	2.24	.51	.51	.63
Scientific instruments	.00	.00	.00	.11	.13	.19	.24	.20	.09
Optical,health serv supplies	.00	.00	.00	.38	.62	1.14	.06	.06	.11
Photo equipment and supplies	.00	.00	.00	.74	.80	.91	.12	.15	.23
Watches and clock devices	.00	.00	.00	.00	.00	.00	.08	.09	.19
Miscellaneous manufacturing	.00	.00	.00	1.72	1.70	1.56	.38	.44	.73
Nondurable goods	.00	.00	.00	63.89	59.91	56.34	23.94	22.02	25.96

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mine operatives, other			Mixing operatives			Oilers, greasers, except auto		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	15.92	13.85	9.74	6.61	6.58	8.71
Meat	.00	.00	.00	.68	.67	.58	.51	.55	.74
Dairy	.00	.00	.00	1.68	1.18	.69	.15	.13	.17
Canning and preserving	.00	.00	.00	2.08	1.86	1.34	.62	.75	1.63
Grain mill	.00	.00	.00	5.49	5.06	3.59	1.35	1.31	1.26
Bakery	.00	.00	.00	1.30	1.03	.70	.74	.71	1.00
Confectionery	.00	.00	.00	.87	.69	.40	.29	.28	.39
Beverages	.00	.00	.00	1.92	1.67	1.28	1.73	1.72	2.42
Miscellaneous food preparation	.00	.00	.00	1.87	1.66	1.13	1.18	1.11	1.06
Tobacco manufacturing	.00	.00	.00	.61	.43	.22	.88	.72	.81
Textile mill products	.00	.00	.00	3.13	2.76	2.83	5.42	4.32	3.58
Knitting mills	.00	.00	.00	.17	.17	.26	.17	.15	.18
Dyeing,finishing textiles	.00	.00	.00	.79	.67	.50	.22	.19	.15
Floor coverings	.00	.00	.00	.36	.35	.45	.09	.08	.08
Yarn and fabric mills	.00	.00	.00	1.15	1.00	1.05	4.39	3.39	2.46
Miscellaneous textile mill	.00	.00	.00	.65	.56	.55	.53	.48	.69
Apparel and textile products	.00	.00	.00	.33	.30	.17	.24	.28	.51
Apparel and accessories	.00	.00	.00	.16	.14	.08	.21	.25	.47
Miscellaneous fabricated textile	.00	.00	.00	.17	.16	.09	.02	.03	.04
Paper and allied products	.00	.00	.00	3.37	2.91	2.02	5.31	5.01	6.87
Pulp,paper paperboard mills	.00	.00	.00	1.55	1.22	.82	3.84	3.44	4.27
Paperboard containers,boxes	.00	.00	.00	.32	.23	.13	.56	.53	.89
Miscellaneous paper and pulp	.00	.00	.00	1.50	1.45	1.06	.89	1.02	1.71
Printing and publishing	.00	.00	.00	.81	.74	.56	.47	.43	.35
Newspaper publishing, printing	.00	.00	.00	.03	.05	.15	.09	.07	.00
Other printing,exc newspapers	.00	.00	.00	.77	.69	.41	.38	.36	.35
Chemicals and allied products	.00	.00	.00	28.28	27.07	31.11	2.44	1.91	1.12
Industrial chemicals	.00	.00	.00	5.04	4.88	5.62	1.04	.76	.29
Plastics and synthetics	.00	.00	.00	2.01	1.77	1.92	.20	.16	.14
Synthetic fibers	.00	.00	.00	1.01	.99	1.32	.23	.21	.25
Drugs and medicines	.00	.00	.00	1.81	1.95	1.44	.16	.18	.17
Soaps and cosmetics	.00	.00	.00	3.44	3.46	4.04	.22	.16	.00
Paints and varnishes	.00	.00	.00	8.51	8.43	10.16	.07	.06	.04
Agricultural chemicals	.00	.00	.00	2.37	2.43	2.08	.25	.24	.18
Miscellaneous chemicals	.00	.00	.00	4.06	3.12	4.49	.22	.10	.02
Petroleum and coal products	.00	.00	.00	2.39	2.43	1.86	.84	.80	.81
Petroleum refining	.00	.00	.00	1.06	1.05	.71	.56	.44	.12
Misc petroleum,coal products	.00	.00	.00	1.33	1.38	1.14	.28	.35	.68
Rubber,miscellaneous plastics	.00	.00	.00	8.53	9.00	7.53	1.55	1.79	2.94
Rubber	.00	.00	.00	5.88	5.50	5.32	1.28	1.38	2.36
Miscellaneous plastics	.00	.00	.00	2.65	3.50	2.21	.26	.40	.58
Leather products	.00	.00	.00	.47	.37	.25	.16	.14	.21
Leather tanning and finishing	.00	.00	.00	.24	.21	.15	.05	.04	.01
Footwear, except rubber	.00	.00	.00	.14	.10	.05	.03	.03	.06
All other leather	.00	.00	.00	.08	.06	.04	.06	.06	.12
Transportation, other public util	.00	.00	.00	.07	.05	.00	12.65	11.21	6.35
Transportation,total	.00	.00	.00	.03	.02	.00	8.76	8.19	4.57
Railroads and railway express	.00	.00	.00	.01	.00	.00	1.44	.91	.60
Local and interurban transit	.00	.00	.00	.00	.00	.00	.16	.15	.22
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.09	.07	.20
Taxicab service	.00	.00	.00	.00	.00	.00	.06	.07	.02
Trucking and warehousing	.00	.00	.00	.00	.00	.00	1.00	.97	.38
Trucking services	.00	.00	.00	.00	.00	.00	.93	.91	.32
Warehousing and storage	.00	.00	.00	.00	.00	.00	.06	.06	.05
Water transportation	.00	.00	.00	.00	.00	.00	5.89	5.90	3.26
Air transportation	.00	.00	.00	.01	.00	.00	.01	.01	.00
Pipelines	.00	.00	.00	.00	.00	.00	.13	.09	.01
Transportation services	.00	.00	.00	.00	.00	.00	.11	.13	.07
Communicatns,utils,sanitary serv	.00	.00	.00	.04	.03	.00	3.88	3.01	1.78
Utilities and sanitary services	.00	.00	.00	.04	.03	.00	3.88	3.01	1.78
Electric light and power	.00	.00	.00	.00	.00	.00	.45	.45	.30
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.25	.18	.06
Gas steam supply systems	.00	.00	.00	.04	.03	.00	2.15	1.29	.20
Water supply	.00	.00	.00	.00	.00	.00	.37	.31	.13
Sanitary services	.00	.00	.00	.00	.00	.00	.65	.76	1.07
Wholesale and retail trade	.00	.00	.00	8.22	10.88	12.33	3.83	4.34	4.99
Wholesale trade	.00	.00	.00	5.09	6.01	5.50	2.55	2.88	3.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mine operatives, other			Mining operatives			Oilers, greasers, except auto		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	3.87	4.56	3.39	1.26	1.64	2.38
Motor vehicles and equipment	.00	.00	.00	.13	.14	.10	.31	.37	.47
Drugs,chemicals,allied product	.00	.00	.00	1.16	1.23	1.16	.08	.10	.21
Dry goods and apparel	.00	.00	.00	.03	.03	.04	.00	.00	.00
Food and related products	.00	.00	.00	1.21	1.28	1.03	.42	.52	.81
Farm products-raw materials	.00	.00	.00	1.17	1.63	.70	.11	.19	.18
Electrical goods	.00	.00	.00	.00	.00	.00	.05	.06	.11
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.05	.05	.03
Machinery equipment,supplies	.00	.00	.00	.14	.21	.33	.22	.33	.55
Miscellaneous wholesale trade	.00	.00	.00	1.21	1.45	2.11	1.28	1.23	1.04
Metals and minerals, other	.00	.00	.00	.04	.06	.14	.26	.23	.19
Petroleum products	.00	.00	.00	.24	.22	.08	.33	.39	.52
Scrap and waste material	.00	.00	.00	.00	.00	.00	.08	.07	.01
Alcoholic beverages	.00	.00	.00	.01	.02	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.04	.05	.15	.05	.04	.02
Lumber,construction materials	.00	.00	.00	.14	.17	.27	.31	.28	.19
Other wholesale trade	.00	.00	.00	.71	.91	1.44	.22	.20	.08
Retail trade	.00	.00	.00	3.12	4.86	6.82	1.27	1.46	1.56
Building materials	.00	.00	.00	.39	.45	.28	.20	.25	.29
Lumber,building material	.00	.00	.00	.35	.41	.25	.19	.25	.29
Hardware and farm equipment	.00	.00	.00	.04	.03	.03	.01	.00	.00
General merchandise,total	.00	.00	.00	.07	.09	.19	.15	.21	.22
Vending machine operators	.00	.00	.00	.00	.00	.00	.02	.01	.00
Direct selling	.00	.00	.00	.00	.00	.00	.04	.12	.12
Miscellaneous merchadise store	.00	.00	.00	.07	.09	.19	.09	.07	.09
Food and dairy stores	.00	.00	.00	.32	.42	.34	.15	.15	.06
Grocery stores	.00	.00	.00	.09	.07	.00	.10	.08	.00
Dairy products	.00	.00	.00	.02	.03	.04	.00	.00	.00
Retail bakeries	.00	.00	.00	.19	.29	.28	.03	.03	.02
Food stores,cther	.00	.00	.00	.01	.01	.01	.02	.02	.03
Auto dealers,gas stations	.00	.00	.00	.06	.11	.20	.41	.47	.47
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.25	.25	.15
Tire,battery,accessory dealers	.00	.00	.00	.06	.11	.20	.03	.05	.08
Gasoline service stations	.00	.00	.00	.00	.00	.00	.09	.14	.23
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.02	.01	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.02	.02	.00
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.02	.02	.00
Miscellaneous retail trade	.00	.00	.00	2.27	3.78	5.78	.32	.34	.50
Farm,garden supply stores	.00	.00	.00	2.20	3.67	5.51	.01	.00	.00
Fuel and ice dealers	.00	.00	.00	.03	.02	.00	.28	.30	.50
Misc retail trade stores	.00	.00	.00	.04	.08	.26	.02	.03	.00
Services, total	.00	.00	.00	.34	.56	.94	1.25	1.45	.51
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.02	.03	.00
Hotels and motels	.00	.00	.00	.00	.00	.00	.02	.03	.00
Other personal services	.00	.00	.00	.00	.00	.00	.10	.06	.00
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.10	.06	.00
Miscellaneous business services	.00	.00	.00	.29	.50	.91	.66	.83	.34
Commercial research,development	.00	.00	.00	.04	.07	.18	.01	.01	.00
Services to buildings	.00	.00	.00	.02	.02	.00	.03	.03	.00
Other business services	.00	.00	.00	.22	.40	.72	.61	.77	.34
Other repair services	.00	.00	.00	.02	.03	.03	.06	.10	.05
Electrical repair	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other repair,exc electrical	.00	.00	.00	.02	.03	.03	.05	.09	.05
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.02	.04	.00
Other entertainment	.00	.00	.00	.00	.00	.00	.02	.04	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Mine operatives, other			Mining operatives			Oilers, greasers, except auto		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.02	.01	.00	.10	.09	.00
Hospitals	.00	.00	.00	.00	.00	.00	.10	.09	.00
Other health practitioners	.00	.00	.00	.02	.01	.00	.00	.00	.00
Educational services	.00	.00	.00	.00	.00	.00	.14	.11	.00
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.03	.02	.00
Colleges and universities	.00	.00	.00	.00	.00	.00	.09	.07	.00
Other educational services	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other professional services	.00	.00	.00	.00	.00	.00	.12	.16	.11
Engineering and architectural	.00	.00	.00	.00	.00	.00	.08	.10	.00
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.03	.06	.11
Government, total	.00	.00	.00	.00	.00	.00	1.48	1.76	1.97
Federal public administration	.00	.00	.00	.00	.00	.00	.72	.91	1.36
Postal services	.00	.00	.00	.00	.00	.00	.13	.31	.43
Federal pub adm, exc post office	.00	.00	.00	.00	.00	.00	.59	.59	.92
State public administration	.00	.00	.00	.00	.00	.00	.16	.21	.21
Local public administration	.00	.00	.00	.00	.00	.00	.58	.63	.39

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters, manufactured articles			Photographic process workers			Riveters and fasteners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.01	.01	.01	.01	.02	.01	.00	.00	.00
Agriculture	.01	.01	.01	.00	.00	.00	.00	.00	.00
Services,except horticulture	.01	.01	.01	.00	.00	.00	.00	.00	.00
Forestry	.00	.00	.00	.01	.02	.01	.00	.00	.00
Mining	.00	.00	.00	.12	.11	.02	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.12	.11	.02	.00	.00	.00
Construction	.00	.00	.00	1.22	1.07	1.20	1.09	1.86	3.90
General building contractors	.00	.00	.00	.21	.19	.18	.23	.48	1.30
General contractors,exc building	.00	.00	.00	.75	.60	.68	.45	.68	1.20
Special trade contractors	.00	.00	.00	.25	.27	.33	.40	.69	1.39
Manufacturing	84.36	78.70	79.36	32.02	25.59	27.39	96.79	95.72	93.63
Durable goods	73.78	69.59	71.93	17.49	13.30	12.35	73.09	74.97	78.06
Ordnance	.98	.50	.58	.75	.27	.14	.51	.34	.52
Lumber and wood products	1.99	1.57	.90	.08	.05	.03	14.08	13.25	10.92
Sawmill,planing and mill work	.88	.71	.39	.07	.05	.03	3.91	3.67	3.08
Miscellaneous wood products	1.11	.85	.51	.00	.00	.00	10.16	9.58	7.83
Furniture and fixtures	10.99	9.85	7.77	.14	.12	.16	7.01	7.38	6.79
Stone,clay,and glass products	2.27	1.83	1.00	.29	.23	.20	1.36	1.26	.65
Glass and glass products	.44	.35	.17	.10	.07	.06	.77	.72	.41
Cement,concrete,plaster	.26	.22	.12	.10	.07	.05	.10	.10	.06
Structural clay products	.19	.12	.03	.00	.00	.00	.02	.01	.01
Pottery and related products	.91	.75	.44	.01	.01	.02	.00	.00	.00
Miscellaneous nonmetallic,stone	.45	.38	.22	.07	.06	.06	.46	.42	.17
Primary metal industries	3.40	2.82	2.60	.53	.38	.41	3.50	3.28	2.94
Blast furnaces,steel works	1.28	.87	.53	.18	.13	.15	1.25	1.02	.78
Other primary steel	.87	.69	.51	.19	.14	.17	1.32	1.17	.82
Primary aluminum	.60	.63	.70	.09	.05	.00	.49	.59	.65
Other primary nonferrous	.63	.61	.85	.06	.05	.08	.42	.48	.68
Fabricated metal products	11.12	10.89	12.05	1.28	1.09	1.25	8.45	9.55	10.78
Cutlery and other hardware	.82	.79	.66	.03	.02	.01	1.74	2.04	2.35
Fabricated structural metal	3.56	3.24	2.45	.85	.79	1.07	2.58	2.67	1.96
Screw machine products	.11	.10	.13	.00	.00	.00	1.34	1.54	1.92
Metal stamping	1.96	1.98	2.83	.00	.00	.00	1.31	1.52	2.17
Miscellaneous fabricated metal	4.64	4.76	5.95	.39	.27	.16	1.46	1.77	2.37
Machinery except electrical	10.07	10.88	15.79	3.12	2.53	2.15	4.81	5.03	6.19
Engines and turbines	.50	.57	.76	.13	.10	.06	.26	.38	.57
Farm machinery and equipment	1.55	1.39	1.18	.08	.07	.08	.55	.60	.51
Construction machines	2.26	2.70	4.13	.61	.53	.45	.01	.01	.00
Metalworking machinery	.93	1.00	1.55	.41	.31	.23	.24	.28	.34
Office and accounting machines	.25	.16	.10	.16	.10	.11	1.70	1.20	.74
Electronic computing equipment	.24	.30	.64	.39	.33	.29	.20	.30	.72
Other machinery,exc electrical	4.31	4.73	7.39	1.31	1.06	.92	1.82	2.24	3.30
Electrical machinery	9.52	9.22	11.95	3.20	2.23	1.50	8.90	10.16	14.27
Household appliances	2.54	2.20	2.60	.13	.08	.06	1.26	1.30	1.77
Radio, tv communications equip	1.68	1.47	1.40	1.14	.70	.41	2.54	2.60	2.96
Other electrical machinery	5.30	5.55	7.94	1.92	1.44	1.02	5.09	6.25	9.53
Transportation equipment	16.96	16.22	14.26	3.40	2.31	1.66	19.58	19.49	19.72
Motor vehicles and equipment	10.41	10.21	8.08	.61	.47	.28	3.95	4.48	3.94
Aircraft and parts	2.82	1.88	.92	2.16	1.35	.91	10.92	8.85	5.79
Ship,boat building and repair	2.00	1.97	1.38	.49	.35	.32	1.54	1.79	1.65
Railroad equipment	.73	.86	1.05	.08	.08	.08	1.92	2.55	3.11
Mobile dwellings	.58	.67	1.78	.02	.02	.03	1.03	1.47	4.80
Cycles,misc transportation	.39	.61	1.02	.01	.01	.01	.20	.32	.41
Professional,scientific instrs	1.77	1.91	2.40	4.45	3.84	4.56	1.60	1.94	2.53
Scientific instruments	.84	.85	1.02	.27	.19	.10	.91	1.06	1.28
Optical,health serv supplies	.49	.69	1.10	.15	.14	.08	.34	.55	.87
Photo equipment and supplies	.28	.25	.20	4.01	3.49	4.35	.17	.21	.35
Watches and clock devices	.15	.11	.07	.01	.00	.01	.17	.11	.02
Miscellaneous manufacturing	4.67	3.85	2.60	.22	.19	.26	3.25	3.23	2.69
Nondurable goods	10.57	9.11	7.43	14.52	12.29	15.04	23.70	20.75	15.57

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters, manufactured articles			Photographic process workers			Riveters and fasteners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.40	.99	.51	.06	.04	.03	1.18	1.07	.73
Meat	.10	.08	.04	.00	.00	.00	.34	.33	.24
Dairy	.15	.09	.03	.01	.00	.00	.09	.07	.04
Canning and preserving	.30	.23	.13	.00	.00	.00	.40	.37	.26
Grain mill	.13	.09	.04	.00	.00	.00	.10	.08	.03
Bakery	.18	.11	.03	.03	.02	.01	.06	.04	.00
Confectionery	.05	.04	.05	.00	.00	.00	.05	.04	.01
Beverages	.26	.18	.08	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.19	.15	.08	.02	.01	.01	.11	.11	.13
Tobacco manufacturing	.07	.05	.04	.04	.02	.00	.00	.00	.00
Textile mill products	.59	.42	.32	.09	.07	.10	1.00	.84	.68
Knitting mills	.03	.02	.01	.01	.01	.03	.08	.08	.09
Dyeing,finishing textiles	.09	.06	.04	.00	.00	.00	.03	.03	.02
Floor coverings	.04	.03	.04	.00	.00	.00	.07	.06	.04
Yarn and fabric mills	.34	.24	.17	.07	.05	.07	.72	.59	.48
Miscellaneous textile mill	.07	.06	.05	.00	.00	.00	.08	.06	.04
Apparel and textile products	.60	.50	.32	.71	.62	.83	3.61	3.27	1.90
Apparel and accessories	.35	.28	.17	.67	.58	.80	2.76	2.41	1.40
Miscellaneous fabricated textile	.24	.22	.14	.04	.03	.03	.85	.85	.50
Paper and allied products	1.13	.79	.47	.36	.27	.35	3.35	2.87	2.22
Pulp,paper paperboard mills	.65	.43	.23	.10	.07	.06	.41	.33	.22
Paperboard containers,boxes	.24	.16	.10	.12	.09	.13	2.12	1.76	1.52
Miscellaneous paper and pulp	.23	.19	.13	.13	.11	.15	.81	.76	.46
Printing and publishing	.48	.39	.28	12.35	10.56	13.04	1.66	1.39	.62
Newspaper publishing, printing	.03	.04	.07	2.87	2.75	4.31	.13	.09	.00
Other printing,exc newspapers	.44	.35	.21	9.47	7.81	8.73	1.52	1.30	.62
Chemicals and allied products	2.53	2.16	2.43	.50	.35	.33	2.46	2.47	3.16
Industrial chemicals	.89	.79	.97	.22	.16	.16	.00	.00	.00
Plastics and synthetics	.21	.18	.26	.08	.05	.06	.29	.30	.51
Synthetic fibers	.15	.13	.14	.04	.03	.03	1.81	1.74	1.89
Drugs and medicines	.18	.17	.10	.04	.04	.03	.09	.09	.05
Soaps and cosmetics	.14	.13	.17	.03	.02	.02	.12	.17	.36
Paints and varnishes	.62	.51	.42	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.06	.06	.05	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.24	.17	.29	.06	.03	.01	.14	.15	.33
Petroleum and coal products	.43	.36	.20	.13	.10	.07	.04	.03	.00
Petroleum refining	.34	.28	.12	.13	.10	.07	.00	.00	.00
Misc petroleum,coal products	.09	.08	.07	.00	.00	.00	.04	.03	.00
Rubber,miscellaneous plastics	2.66	2.93	2.45	.21	.20	.22	1.02	1.16	.63
Rubber	.97	.77	.58	.12	.08	.07	.34	.31	.22
Miscellaneous plastics	1.68	2.16	1.87	.09	.11	.15	.67	.85	.41
Leather products	.64	.47	.38	.03	.02	.02	9.36	7.61	5.60
Leather tanning and finishing	.03	.02	.00	.03	.02	.02	.03	.02	.00
Footwear, except rubber	.33	.23	.15	.00	.00	.00	5.07	4.00	2.87
All other leather	.27	.21	.22	.00	.00	.00	4.25	3.59	2.72
Transportation, other public util	.23	.20	.24	1.24	1.10	1.20	.47	.35	.03
Transportation,total	.13	.10	.10	.17	.13	.09	.47	.35	.03
Railroads and railway express	.04	.02	.00	.08	.05	.03	.28	.17	.00
Local and interurban transit	.03	.02	.05	.00	.00	.00	.01	.01	.00
Street railways and bus lines	.03	.02	.05	.00	.00	.00	.01	.01	.00
Trucking and warehousing	.01	.01	.00	.03	.02	.00	.02	.02	.03
Trucking services	.00	.00	.00	.03	.02	.00	.00	.00	.00
Warehousing and storage	.01	.01	.00	.00	.00	.00	.02	.02	.03
Water transportation	.00	.00	.00	.00	.00	.00	.09	.07	.00
Pipelines	.00	.00	.00	.02	.02	.02	.00	.00	.00
Transportation services	.03	.04	.05	.02	.03	.04	.05	.06	.00
Communicatns,utils,sanitary serv	.10	.10	.14	1.07	.97	1.11	.00	.00	.00
Communications	.00	.00	.00	.61	.59	.94	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.26	.26	.50	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.01	.02	.03	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.32	.30	.39	.00	.00	.00
Utilities and sanitary services	.10	.10	.14	.46	.37	.17	.00	.00	.00
Electric light and power	.03	.04	.07	.19	.19	.07	.00	.00	.00
Electric-gas utilities	.05	.05	.06	.17	.12	.07	.00	.00	.00
Gas steam supply systems	.01	.00	.00	.04	.03	.01	.00	.00	.00
Water supply	.00	.00	.00	.04	.02	.01	.00	.00	.00
Wholesale and retail trade	7.88	9.14	9.69	3.56	3.32	3.48	1.29	1.48	1.45
Wholesale trade	1.14	1.25	1.48	2.08	1.86	1.81	.89	1.06	1.31

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters, manufactured articles			Photographic process workers			Riveters and fasteners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.76	.86	.94	.85	.85	.96	.41	.48	.44
Motor vehicles and equipment	.29	.32	.38	.03	.03	.04	.09	.12	.17
Drugs,chemicals,allied product	.00	.00	.00	.04	.03	.02	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.02	.03	.05	.07	.07	.05
Food and related products	.02	.02	.04	.02	.01	.00	.00	.00	.00
Electrical goods	.12	.12	.18	.07	.06	.08	.03	.03	.00
Hardware and plumbing	.01	.02	.02	.10	.09	.10	.14	.18	.22
Machinery equipment,supplies	.31	.36	.30	.53	.57	.65	.07	.07	.00
Miscellaneous wholesale trade	.37	.39	.53	1.23	1.00	.85	.48	.57	.86
Metals and minerals, other	.05	.05	.06	.01	.00	.01	.05	.05	.04
Petroleum products	.04	.05	.06	.05	.05	.09	.00	.00	.00
Scrap and waste material	.02	.04	.07	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.02	.02	.00
Paper and paper products	.05	.04	.06	.04	.03	.02	.11	.08	.03
Lumber,construction materials	.05	.05	.06	.05	.03	.03	.18	.22	.38
Other wholesale trade	.14	.15	.20	1.07	.86	.68	.10	.18	.40
Retail trade	6.73	7.88	8.21	1.48	1.46	1.67	.39	.41	.13
Building materials	.09	.09	.06	.06	.04	.00	.17	.21	.13
Lumber,building material	.07	.07	.04	.06	.04	.00	.17	.21	.13
Hardware and farm equipment	.02	.01	.01	.00	.00	.00	.00	.00	.00
General merchandise,total	.02	.01	.00	.21	.19	.21	.00	.00	.00
Department stores,mail order	.00	.00	.00	.21	.19	.21	.00	.00	.00
Direct selling	.02	.01	.00	.00	.00	.00	.00	.00	.00
Food and dairy stores	.02	.01	.00	.01	.01	.00	.00	.00	.00
Grocery stores	.01	.00	.00	.01	.01	.00	.00	.00	.00
Retail bakeries	.01	.01	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	6.33	7.47	7.77	.09	.08	.16	.00	.00	.00
Motor vehicle dealers	6.01	7.05	7.15	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealers	.07	.10	.19	.00	.00	.00	.00	.00	.00
Gasoline service stations	.13	.13	.10	.08	.07	.14	.00	.00	.00
Miscellaneous vehicle dealers	.10	.17	.32	.01	.01	.01	.00	.00	.00
Apparel and accessory stores	.01	.00	.00	.01	.02	.07	.09	.08	.00
Apparel,accessory,except shoes	.01	.00	.00	.00	.00	.00	.09	.08	.00
Shoe stores	.00	.00	.00	.01	.02	.07	.00	.00	.00
Furniture and appliance stores	.19	.18	.13	.05	.07	.15	.07	.06	.00
Home furnishings	.19	.18	.13	.03	.05	.12	.05	.05	.00
Household appliances,tv,radio	.00	.00	.00	.02	.02	.02	.01	.01	.00
Miscellaneous retail trade	.05	.09	.24	1.02	1.03	1.06	.05	.05	.00
Drug stores	.00	.00	.00	.16	.11	.08	.00	.00	.00
Misc retail trade stores	.04	.08	.24	.85	.91	.98	.05	.05	.00
Finance,insurance and real estate	.07	.07	.06	.49	.28	.18	.00	.00	.00
Finance,total	.00	.00	.00	.03	.05	.14	.00	.00	.00
Credit agencies	.00	.00	.00	.03	.05	.14	.00	.00	.00
Insurance	.00	.00	.00	.45	.23	.04	.00	.00	.00
Real estate	.07	.07	.06	.00	.00	.00	.00	.00	.00
Services, total	7.33	11.73	10.47	57.93	65.44	62.86	.33	.57	.97

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Painters, manufactured articles			Photographic process workers			Riveters and fasteners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.03	.02	.00	.00	.00	.00
Hotels and motels	.00	.00	.00	.03	.02	.00	.00	.00	.00
Other personal services	.02	.03	.01	12.80	17.73	9.60	.00	.00	.00
Beauty shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.01	.02	.01	12.80	17.73	9.60	.00	.00	.00
Miscellaneous business services	.23	.30	.50	29.39	34.89	38.00	.16	.36	.87
Advertising	.07	.06	.04	.44	.34	.23	.00	.00	.00
Business management services	.01	.02	.05	.24	.22	.15	.00	.00	.00
Commercial research,development	.00	.00	.00	.24	.25	.34	.01	.01	.00
Computer programing	.00	.00	.00	.09	.09	.08	.00	.00	.00
Other business services	.12	.19	.41	28.36	33.96	37.16	.14	.35	.87
Automobile services	6.86	11.07	9.59	.07	.07	.09	.00	.00	.00
Automobile repair	6.68	10.87	9.27	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.18	.20	.32	.07	.07	.09	.00	.00	.00
Other repair services	.14	.25	.33	.13	.13	.05	.05	.10	.10
Electrical repair	.01	.01	.00	.03	.02	.01	.00	.00	.00
Other repair,exc electrical	.12	.23	.33	.10	.11	.04	.05	.10	.10
Motion pictures and theaters	.01	.00	.00	8.19	4.80	5.65	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.03	.06	.12	.00	.00	.00
Other entertainment	.00	.00	.00	.03	.06	.12	.00	.00	.00
Medical and other health service	.04	.03	.00	2.57	3.14	5.86	.02	.02	.00
Offices of physicians	.00	.00	.00	.22	.23	.18	.00	.00	.00
Offices of dentists	.00	.00	.00	.02	.05	.04	.00	.00	.00
Hospitals	.04	.03	.00	2.09	2.35	4.95	.02	.02	.00
Other health practitioners	.00	.00	.00	.00	.01	.00	.00	.00	.00
Other health services	.00	.00	.00	.21	.49	.66	.00	.00	.00
Legal services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Educational services	.00	.00	.00	2.31	2.14	1.80	.09	.08	.00
Elementary and secondary school	.00	.00	.00	.40	.52	.55	.00	.00	.00
Colleges and universities	.00	.00	.00	1.68	1.36	.90	.09	.08	.00
Libraries	.00	.00	.00	.07	.09	.16	.00	.00	.00
Other educational services	.00	.00	.00	.14	.16	.18	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.03	.03	.03	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.16	.18	.29	.00	.00	.00
Religious organizations	.00	.00	.00	.07	.08	.10	.00	.00	.00
Welfare services	.00	.00	.00	.04	.04	.09	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.04	.05	.09	.00	.00	.00
Other professional services	.01	.02	.02	2.14	2.18	1.34	.00	.00	.00
Engineering and architectural	.00	.00	.00	1.22	1.33	.81	.00	.00	.00
Accounting and auditing	.00	.00	.00	.21	.18	.10	.00	.00	.00
Miscellaneous professional serv	.01	.02	.02	.71	.65	.43	.00	.00	.00
Government,total	.10	.11	.14	3.36	3.02	3.60	.00	.00	.00
Federal public administration	.10	.11	.14	1.72	1.27	1.33	.00	.00	.00
Postal services	.02	.03	.03	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.08	.08	.11	1.72	1.27	1.33	.00	.00	.00
State public administration	.00	.00	.00	.43	.51	.74	.00	.00	.00
Local public administration	.00	.00	.00	1.20	1.24	1.51	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sailors and deckhands			Sawyers			Sewers and stitchers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.16	.18	.00	.53	1.16	1.59	.00	.00	.00
Agriculture	.00	.00	.00	.40	.97	1.31	.00	.00	.00
Agricultural production	.00	.00	.00	.04	.52	.91	.00	.00	.00
Services,except horticulture	.00	.00	.00	.05	.05	.05	.00	.00	.00
Horticultural services	.00	.00	.00	.31	.39	.34	.00	.00	.00
Forestry	.00	.00	.00	.12	.19	.28	.00	.00	.00
Fisheries	.16	.18	.00	.00	.00	.00	.00	.00	.00
Mining	1.20	1.87	3.53	.43	.50	.52	.00	.00	.00
Metal	.00	.00	.00	.04	.04	.03	.00	.00	.00
Coal	.00	.00	.00	.08	.11	.13	.00	.00	.00
Crude petroleum and natural gas	.90	1.59	3.28	.03	.08	.14	.00	.00	.00
Nonmetallic mining and quarrying	.30	.28	.24	.26	.27	.22	.00	.00	.00
Construction	6.08	3.24	.26	1.61	1.71	1.46	.00	.00	.00
General building contractors	.01	.01	.00	.49	.53	.54	.00	.00	.00
General contractors,exc building	5.98	3.16	.26	.72	.74	.62	.00	.00	.00
Special trade contractors	.08	.07	.00	.39	.43	.29	.00	.00	.00
Manufacturing	2.45	2.29	3.06	90.33	89.47	91.09	96.51	96.09	94.62
Durable goods	1.19	1.20	1.78	84.89	84.15	84.95	4.13	4.69	5.85
Ordnance	.00	.00	.00	.21	.09	.03	.15	.08	.08
Lumber and wood products	.00	.00	.00	50.57	50.11	48.07	.04	.04	.03
Logging	.00	.00	.00	3.71	4.58	3.69	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	38.83	37.53	34.97	.02	.02	.02
Miscellaneous wood products	.00	.00	.00	8.02	8.00	9.40	.01	.01	.01
Furniture and fixtures	.00	.00	.00	16.74	18.06	23.64	1.81	2.05	2.45
Stone,clay,and glass products	.26	.24	.32	1.62	1.53	1.12	.07	.07	.06
Glass and glass products	.00	.00	.00	.30	.30	.33	.02	.02	.01
Cement,concrete,plaster	.26	.24	.32	.13	.13	.08	.00	.00	.00
Structural clay products	.00	.00	.00	.03	.03	.02	.00	.00	.00
Pottery and related products	.00	.00	.00	.05	.05	.04	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	1.09	1.01	.63	.04	.04	.04
Primary metal industries	.36	.36	.93	4.13	3.36	2.30	.02	.03	.05
Blast furnaces,steel works	.34	.35	.93	.96	.81	.89	.00	.00	.01
Other primary steel	.00	.00	.00	.74	.71	.87	.00	.00	.01
Primary aluminum	.00	.00	.00	1.43	1.13	.31	.00	.00	.00
Other primary nonferrous	.02	.01	.00	.98	.69	.22	.00	.01	.02
Fabricated metal products	.00	.00	.00	2.33	2.49	3.24	.07	.09	.12
Cutlery and other hardware	.00	.00	.00	.16	.18	.22	.01	.01	.01
Fabricated structural metal	.00	.00	.00	1.90	2.13	2.98	.02	.02	.03
Screw machine products	.00	.00	.00	.03	.02	.00	.00	.00	.00
Metal stamping	.00	.00	.00	.23	.15	.02	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.03	.04	.07
Machinery except electrical	.04	.07	.23	3.27	2.87	1.35	.08	.10	.17
Engines and turbines	.00	.00	.00	.12	.11	.04	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.24	.28	.19	.00	.00	.00
Construction machines	.04	.07	.23	1.01	.90	.34	.00	.00	.00
Metalworking machinery	.00	.00	.00	.47	.38	.15	.00	.00	.00
Office and accounting machines	.00	.00	.00	.04	.03	.04	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.00	.02	.08	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	1.35	1.13	.48	.07	.09	.15
Electrical machinery	.00	.00	.00	1.13	.86	.31	.14	.17	.28
Household appliances	.00	.00	.00	.00	.00	.00	.06	.07	.11
Radio,tv communications equip	.00	.00	.00	.21	.14	.04	.01	.01	.01
Other electrical machinery	.00	.00	.00	.92	.72	.26	.06	.08	.16
Transportation equipment	.52	.50	.28	3.21	3.15	3.25	.53	.66	.93
Motor vehicles and equipment	.02	.02	.00	.53	.61	.74	.33	.41	.47
Aircraft and parts	.00	.00	.00	.74	.52	.26	.05	.04	.03
Ship,boat building and repair	.49	.48	.28	.17	.19	.15	.03	.03	.03
Railroad equipment	.00	.00	.00	.07	.07	.02	.00	.01	.01
Mobile dwellings	.00	.00	.00	1.61	1.63	1.99	.08	.10	.31
Cycles,misc transportation	.00	.00	.00	.08	.11	.07	.02	.03	.06
Professional,scientific instrs	.00	.00	.00	.30	.25	.08	.26	.41	.66
Scientific instruments	.00	.00	.00	.20	.14	.03	.01	.01	.01
Optical,health serv supplies	.00	.00	.00	.09	.10	.05	.24	.39	.63
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous manufacturing	.00	.00	.00	1.31	1.32	1.51	.91	.95	.96
Nondurable goods	1.26	1.09	1.28	5.44	5.32	6.13	92.38	91.40	88.76

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sailors and deckhands			Sawyers			Sewers and stitchers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.12	.15	.52	.46	.45	.57	.19	.19	.16
Meat	.00	.00	.00	.21	.22	.26	.04	.04	.04
Canning and preserving	.12	.15	.52	.12	.13	.22	.02	.02	.01
Grain mill	.00	.00	.00	.00	.00	.01	.07	.07	.05
Bakery	.00	.00	.00	.02	.01	.00	.00	.00	.00
Beverages	.00	.00	.00	.02	.01	.01	.01	.01	.01
Miscellaneous food preparation	.00	.00	.00	.06	.05	.05	.02	.02	.02
Textile mill products	.00	.00	.00	.26	.25	.41	8.62	8.33	10.79
Knitting mills	.00	.00	.00	.07	.08	.17	5.55	5.46	7.48
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.15	.14	.11
Floor coverings	.00	.00	.00	.03	.04	.11	.42	.44	.62
Yarn and fabric mills	.00	.00	.00	.12	.10	.11	2.23	2.04	2.29
Miscellaneous textile mill	.00	.00	.00	.02	.02	.01	.25	.24	.27
Apparel and textile products	.30	.28	.38	1.12	1.19	1.64	76.79	77.01	72.90
Apparel and accessories	.30	.28	.38	.90	.93	1.27	71.02	70.30	65.91
Miscellaneous fabricated textile	.00	.00	.00	.22	.26	.36	5.78	6.70	6.98
Paper and allied products	.00	.00	.00	1.84	1.62	1.98	.33	.31	.25
Pulp,paper paperboard mills	.00	.00	.00	.81	.69	.68	.04	.03	.02
Paperboard containers,boxes	.00	.00	.00	.86	.78	1.19	.09	.07	.06
Miscellaneous paper and pulp	.00	.00	.00	.16	.15	.10	.19	.19	.15
Printing and publishing	.00	.00	.00	.04	.04	.05	.26	.23	.13
Other printing,exc newspapers	.00	.00	.00	.04	.04	.05	.26	.23	.13
Chemicals and allied products	.10	.07	.05	.41	.31	.24	.16	.16	.20
Industrial chemicals	.06	.04	.00	.18	.12	.04	.01	.02	.03
Plastics and synthetics	.00	.00	.00	.09	.06	.03	.01	.01	.01
Synthetic fibers	.00	.00	.00	.02	.03	.11	.03	.03	.06
Drugs and medicines	.00	.00	.00	.00	.00	.00	.00	.01	.01
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.01	.01	.00
Paints and varnishes	.01	.01	.00	.01	.01	.00	.00	.00	.01
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.04	.04	.03
Miscellaneous chemicals	.01	.01	.05	.10	.07	.05	.02	.01	.02
Petroleum and coal products	.73	.58	.30	.03	.05	.11	.00	.00	.00
Petroleum refining	.73	.58	.30	.00	.00	.00	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.03	.05	.11	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	1.01	1.20	.97	.59	.66	.69
Rubber	.00	.00	.00	.29	.28	.35	.42	.43	.52
Miscellaneous plastics	.00	.00	.00	.72	.92	.61	.16	.23	.16
Leather products	.00	.00	.00	.22	.17	.13	5.39	4.47	3.61
Leather tanning and finishing	.00	.00	.00	.01	.01	.00	.04	.04	.02
Footwear, except rubber	.00	.00	.00	.09	.07	.05	4.16	3.41	2.74
All other leather	.00	.00	.00	.11	.09	.07	1.18	1.01	.84
Transportation, other public util	85.79	87.15	84.00	.32	.40	.31	.02	.02	.02
Transportation,total	85.79	87.15	84.00	.24	.32	.24	.02	.02	.02
Railroads and railway express	.74	.40	.00	.03	.04	.02	.01	.01	.01
Local and interurban transit	.01	.01	.00	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.01	.01	.00	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.14	.20	.16	.00	.00	.00
Trucking services	.00	.00	.00	.12	.19	.15	.00	.00	.00
Warehousing and storage	.00	.00	.00	.02	.01	.00	.00	.00	.00
Water transportation	84.10	85.43	81.32	.05	.06	.06	.00	.00	.00
Transportation services	.92	1.31	2.68	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.07	.08	.06	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.07	.08	.06	.00	.00	.00
Electric light and power	.00	.00	.00	.03	.03	.00	.00	.00	.00
Water supply	.00	.00	.00	.04	.05	.06	.00	.00	.00
Wholesale and retail trade	1.13	1.08	1.07	6.38	6.27	4.51	1.15	1.43	1.79
Wholesale trade	1.02	.96	.95	3.91	3.32	1.88	.33	.38	.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sailors and deckhands			Sawyers			Sewers and stitchers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.27	.33	.36	.24	.26	.29
Motor vehicles and equipment	.00	.00	.00	.04	.04	.02	.00	.01	.01
Dry goods and apparel	.00	.00	.00	.01	.01	.01	.19	.20	.23
Food and related products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Hardware and plumbing	.00	.00	.00	.05	.04	.02	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.16	.22	.29	.01	.02	.02
Miscellaneous wholesale trade	1.02	.96	.95	3.63	2.99	1.52	.08	.11	.19
Metals and minerals, other	.06	.04	.00	.92	.71	.32	.00	.00	.00
Petroleum products	.70	.72	.95	.00	.00	.00	.00	.00	.00
Scrap and waste material	.01	.01	.00	.03	.03	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Lumber,construction materials	.07	.05	.00	2.05	1.71	.95	.00	.00	.01
Other wholesale trade	.16	.12	.00	.59	.51	.22	.08	.10	.17
Retail trade	.11	.11	.12	2.47	2.94	2.62	.82	1.05	1.31
Building materials	.00	.00	.00	2.31	2.76	2.38	.01	.02	.01
Lumber,building material	.00	.00	.00	2.25	2.69	2.27	.01	.02	.01
Hardware and farm equipment	.00	.00	.00	.05	.06	.11	.00	.00	.00
General merchandise,total	.00	.00	.00	.00	.00	.00	.17	.26	.62
Department stores,mail order	.00	.00	.00	.00	.00	.00	.13	.21	.50
Miscellaneous merchandise store	.00	.00	.00	.00	.00	.00	.04	.05	.11
Food and dairy stores	.04	.03	.00	.02	.02	.01	.00	.00	.00
Grocery stores	.04	.03	.00	.01	.01	.00	.00	.00	.00
Food stores,other	.00	.00	.00	.00	.00	.01	.00	.00	.00
Auto dealers,gas stations	.06	.07	.12	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.06	.07	.12	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.44	.53	.41
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.43	.52	.40
Shoe stores	.00	.00	.00	.00	.00	.00	.01	.01	.01
Furniture and appliance stores	.01	.01	.00	.10	.10	.08	.13	.16	.17
Home furnishings	.00	.00	.00	.10	.10	.08	.10	.12	.12
Household appliances,tv,radio	.01	.01	.00	.00	.00	.00	.02	.03	.04
Eating and drinking places	.00	.00	.00	.00	.00	.00	.01	.01	.00
Miscellaneous retail trade	.00	.00	.00	.02	.05	.14	.02	.04	.08
Misc retail trade stores	.00	.00	.00	.02	.05	.14	.02	.04	.08
Finance,insurance and real estate	.00	.00	.00	.04	.09	.18	.00	.00	.00
Real estate	.00	.00	.00	.04	.09	.18	.00	.00	.00
Services, total	1.45	2.73	6.88	.13	.15	.08	2.25	2.38	3.48
Hotels and lodging place	.05	.05	.00	.01	.01	.00	.05	.08	.07
Hotels and motels	.05	.05	.00	.01	.01	.00	.05	.07	.07
Other personal services	.00	.00	.00	.00	.00	.00	1.44	1.10	.73
Laundering and cleaning	.00	.00	.00	.00	.00	.00	1.42	1.07	.69
Dressmaking shops	.00	.00	.00	.00	.00	.00	.01	.02	.03
Miscellaneous business services	.00	.00	.00	.03	.02	.00	.04	.06	.10
Advertising	.00	.00	.00	.01	.00	.00	.00	.00	.00
Business management services	.00	.00	.00	.00	.00	.00	.01	.01	.02
Other business services	.00	.00	.00	.01	.01	.00	.03	.04	.08
Other repair services	.00	.00	.00	.02	.02	.00	.06	.12	.17
Other repair,exc electrical	.00	.00	.00	.02	.02	.00	.06	.12	.17
Miscellaneous entertainment	.77	1.81	4.37	.00	.00	.00	.00	.00	.00
Other entertainment	.77	1.81	4.37	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Sailors and deckhands			Sawyers			Sewers and stitchers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	.00	.00	.00	.00	.00	.00	.46	.70	1.75
Hospitals	.00	.00	.00	.00	.00	.00	.46	.70	1.75
Educational services	.08	.07	.00	.00	.00	.00	.08	.16	.30
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.02	.08	.17
Colleges and universities	.08	.07	.00	.00	.00	.00	.04	.05	.09
Other educational services	.00	.00	.00	.00	.00	.00	.01	.02	.03
Nonprofit organizations	.38	.54	1.69	.00	.00	.00	.10	.15	.32
Religious organizations	.00	.00	.00	.00	.00	.00	.04	.07	.12
Welfare services	.00	.00	.00	.00	.00	.00	.03	.04	.11
Residential welfare services	.00	.00	.00	.00	.00	.00	.01	.02	.07
Nonprofit membership organiztns	.38	.54	1.69	.00	.00	.00	.00	.01	.01
Private households	.08	.12	.59	.01	.03	.08	.00	.00	.00
Other professional services	.07	.11	.22	.03	.04	.00	.00	.00	.00
Engineering and architectural	.00	.00	.00	.03	.04	.00	.00	.00	.00
Miscellaneous professional serv	.07	.11	.22	.00	.00	.00	.00	.00	.00
Government, total	1.71	1.41	1.17	.19	.20	.22	.05	.06	.07
Federal public administration	1.31	.96	.71	.12	.12	.14	.05	.06	.07
Postal services	.00	.00	.00	.00	.00	.00	.00	.01	.00
Federal pub adm, exc post office	1.31	.96	.71	.12	.12	.14	.05	.05	.06
State public administration	.26	.31	.45	.02	.04	.08	.00	.00	.00
Local public administration	.14	.12	.00	.03	.03	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shoemaking machine operatives			Furnace tendr, stok- er, ex metal			Winding operatives, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.33	.68	1.07	.00	.00	.00
Agriculture	.00	.00	.00	.14	.36	.41	.00	.00	.00
Agricultural production	.00	.00	.00	.14	.36	.41	.00	.00	.00
Forestry	.00	.00	.00	.18	.29	.60	.00	.00	.00
Fisheries	.00	.00	.00	.01	.02	.06	.00	.00	.00
Mining	.00	.00	.00	1.04	1.29	1.76	.07	.07	.00
Metal	.00	.00	.00	.33	.37	.70	.00	.00	.00
Coal	.00	.00	.00	.10	.11	.05	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.22	.38	.52	.07	.07	.00
Nonmetallic mining and quarrying	.00	.00	.00	.38	.42	.47	.00	.00	.00
Construction	.00	.00	.00	1.02	1.07	1.00	.63	.98	1.64
General building contractors	.00	.00	.00	.09	.10	.16	.00	.00	.00
General contractors, exc building	.00	.00	.00	.66	.64	.49	.13	.23	.41
Special trade contractors	.00	.00	.00	.26	.32	.34	.49	.75	1.22
Manufacturing	99.60	99.27	99.61	57.54	50.48	50.38	92.57	91.63	90.26
Durable goods	.28	.34	.34	30.92	26.39	21.17	72.61	76.25	83.13
Ordnance	.00	.00	.00	1.13	.49	.22	.28	.13	.05
Lumber and wood products	.00	.00	.00	4.92	4.76	4.76	.47	.39	.21
Logging	.00	.00	.00	.08	.10	.08	.01	.00	.00
Sawmill, planing and mill work	.00	.00	.00	3.83	3.65	3.26	.22	.19	.13
Miscellaneous wood products	.00	.00	.00	1.00	1.00	1.41	.23	.19	.08
Furniture and fixtures	.06	.10	.21	1.13	.83	.22	.29	.28	.17
Stone, clay, and glass products	.00	.00	.00	9.13	7.85	6.21	1.87	1.48	.46
Glass and glass products	.00	.00	.00	1.63	1.89	3.55	1.11	.83	.21
Cement, concrete, plaster	.00	.00	.00	2.33	1.89	.75	.09	.08	.03
Structural clay products	.00	.00	.00	2.75	2.01	.88	.01	.00	.00
Pottery and related products	.00	.00	.00	.79	.72	.52	.06	.05	.02
Miscellaneous nonmetallic, stone	.00	.00	.00	1.61	1.32	.50	.59	.51	.17
Primary metal industries	.04	.03	.00	5.64	4.55	3.80	8.02	7.21	6.32
Blast furnaces, steel works	.00	.00	.00	2.70	2.16	2.14	1.82	1.21	.41
Other primary steel	.02	.02	.00	1.09	1.03	1.23	1.20	.93	.40
Primary aluminum	.00	.00	.00	.71	.57	.17	.27	.31	.32
Other primary nonferrous	.01	.01	.00	1.12	.78	.25	4.72	4.74	5.17
Fabricated metal products	.01	.01	.00	1.47	1.29	.90	3.81	4.04	3.94
Cutlery and other hardware	.01	.01	.00	.14	.18	.31	.25	.26	.20
Fabricated structural metal	.00	.00	.00	.42	.42	.37	.46	.39	.15
Screw machine products	.00	.00	.00	.08	.06	.01	.13	.14	.16
Metal stamping	.00	.00	.00	.27	.20	.06	.72	.78	.88
Miscellaneous fabricated metal	.00	.00	.00	.54	.42	.13	2.24	2.45	2.53
Machinery except electrical	.00	.00	.00	1.56	1.45	1.00	3.52	4.14	5.20
Engines and turbines	.00	.00	.00	.16	.16	.08	.32	.41	.47
Farm machinery and equipment	.00	.00	.00	.16	.19	.31	.14	.14	.10
Construction machines	.00	.00	.00	.32	.28	.10	.51	.65	.80
Metalworking machinery	.00	.00	.00	.16	.15	.11	.63	.70	.84
Office and accounting machines	.00	.00	.00	.06	.03	.00	.11	.08	.06
Electronic computing equipment	.00	.00	.00	.06	.06	.04	.42	.54	.93
Other machinery, exc electrical	.00	.00	.00	.61	.55	.34	1.37	1.58	1.97
Electrical machinery	.03	.03	.00	2.00	1.57	.73	47.22	51.65	61.84
Household appliances	.00	.00	.00	.25	.22	.22	1.33	1.29	1.47
Radio, tv communications equip	.03	.03	.00	.42	.27	.08	8.69	8.06	7.33
Other electrical machinery	.00	.00	.00	1.32	1.07	.43	37.19	42.28	53.04
Transportation equipment	.00	.00	.00	2.98	2.70	2.42	2.40	2.27	1.30
Motor vehicles and equipment	.00	.00	.00	1.22	1.33	1.30	1.42	1.39	.71
Aircraft and parts	.00	.00	.00	1.25	.96	.66	.55	.39	.15
Ship, boat building and repair	.00	.00	.00	.38	.31	.42	.07	.07	.07
Railroad equipment	.00	.00	.00	.05	.03	.00	.31	.37	.35
Mobile dwellings	.00	.00	.00	.03	.03	.02	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.03	.02	.00	.02	.02	.00
Professional, scientific instrs	.00	.00	.00	.34	.32	.35	2.47	2.78	2.73
Scientific instruments	.00	.00	.00	.11	.07	.01	.69	.75	.76
Optical, health serv supplies	.00	.00	.00	.09	.08	.01	.78	1.18	1.58
Photo equipment and supplies	.00	.00	.00	.11	.14	.31	.70	.65	.34
Watches and clock devices	.00	.00	.00	.01	.01	.00	.28	.19	.05
Miscellaneous manufacturing	.11	.14	.13	.57	.54	.52	2.20	1.84	.85
Nondurable goods	99.32	98.92	99.26	26.62	24.09	29.21	19.96	15.37	7.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shoemaking machine operatives			Furnace tendr, stoker, ex metal			Winding operatives, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.18	.17	.00	4.87	4.24	4.32	.35	.28	.22
Meat	.00	.00	.00	.40	.28	.06	.02	.03	.03
Dairy	.00	.00	.00	.67	.41	.17	.02	.01	.01
Canning and preserving	.00	.00	.00	1.10	1.09	1.52	.02	.02	.04
Grain mill	.00	.00	.00	.36	.32	.24	.04	.03	.01
Bakery	.00	.00	.00	.19	.17	.24	.17	.13	.08
Confectionery	.00	.00	.00	.12	.12	.21	.00	.00	.00
Beverages	.18	.17	.00	.80	.65	.46	.02	.01	.03
Miscellaneous food preparation	.00	.00	.00	1.21	1.17	1.38	.03	.02	.00
Tobacco manufacturing	.00	.00	.00	.25	.19	.22	.12	.07	.02
Textile mill products	.14	.19	.50	2.65	2.23	2.81	2.67	1.98	1.03
Knitting mills	.06	.07	.08	.46	.46	1.00	.10	.08	.05
Dyeing, finishing textiles	.03	.03	.01	.63	.59	.81	.16	.12	.03
Floor coverings	.00	.00	.00	.23	.23	.39	.04	.04	.02
Yarn and fabric mills	.04	.08	.39	1.10	.73	.32	1.60	1.19	.67
Miscellaneous textile mill	.00	.00	.00	.23	.20	.28	.75	.54	.24
Apparel and textile products	.26	.25	.00	3.27	3.79	7.96	1.03	.98	.63
Apparel and accessories	.26	.25	.00	3.03	3.45	7.17	.30	.29	.30
Miscellaneous fabricated textile	.00	.00	.00	.24	.33	.79	.73	.68	.33
Paper and allied products	.05	.04	.00	4.87	4.31	5.54	11.77	8.42	3.14
Pulp, paper paperboard mills	.05	.04	.00	3.73	3.28	4.22	7.69	5.09	1.60
Paperboard containers, boxes	.00	.00	.00	.66	.59	1.01	1.14	.83	.46
Miscellaneous paper and pulp	.00	.00	.00	.48	.43	.29	2.93	2.49	1.07
Printing and publishing	.04	.05	.00	.25	.29	.55	.61	.46	.12
Newspaper publishing, printing	.00	.00	.00	.02	.01	.00	.08	.06	.00
Other printing, exc newspapers	.04	.05	.00	.23	.27	.55	.52	.40	.12
Chemicals and allied products	.00	.00	.00	6.71	5.34	4.08	1.05	.91	.89
Industrial chemicals	.00	.00	.00	3.60	2.94	2.10	.17	.18	.23
Plastics and synthetics	.00	.00	.00	.58	.37	.13	.25	.21	.20
Synthetic fibers	.00	.00	.00	.42	.35	.28	.28	.21	.09
Drugs and medicines	.00	.00	.00	.37	.48	.84	.07	.06	.01
Soaps and cosmetics	.00	.00	.00	.29	.21	.08	.02	.05	.12
Paints and varnishes	.00	.00	.00	.18	.16	.12	.03	.02	.00
Agricultural chemicals	.00	.00	.00	.24	.24	.25	.02	.01	.00
Miscellaneous chemicals	.00	.00	.00	.99	.55	.26	.18	.14	.21
Petroleum and coal products	.00	.00	.00	1.85	1.83	1.59	.19	.19	.13
Petroleum refining	.00	.00	.00	1.42	1.37	1.02	.02	.02	.00
Misc petroleum, coal products	.00	.00	.00	.42	.46	.56	.17	.17	.13
Rubber, miscellaneous plastics	2.11	2.88	4.93	1.16	1.28	1.61	1.99	1.96	.91
Rubber	1.57	2.13	4.66	.80	.79	1.19	1.07	.81	.31
Miscellaneous plastics	.54	.74	.26	.36	.49	.42	.92	1.15	.59
Leather products	96.51	95.31	93.82	.70	.54	.49	.14	.08	.02
Leather tanning and finishing	.01	.01	.00	.18	.13	.08	.01	.01	.00
Footwear, except rubber	96.42	95.23	93.78	.46	.35	.31	.04	.02	.00
All other leather	.06	.06	.04	.06	.05	.10	.07	.05	.02
Transportation, other public util	.00	.00	.00	11.92	11.39	11.24	.57	.49	.32
Transportation, total	.00	.00	.00	2.66	2.34	1.52	.22	.12	.00
Railroads and railway express	.00	.00	.00	.56	.33	.08	.13	.07	.00
Local and interurban transit	.00	.00	.00	.06	.05	.12	.01	.00	.00
Street railways and bus lines	.00	.00	.00	.06	.05	.12	.01	.00	.00
Trucking and warehousing	.00	.00	.00	.21	.23	.23	.02	.01	.00
Trucking services	.00	.00	.00	.11	.12	.09	.01	.01	.00
Warehousing and storage	.00	.00	.00	.10	.11	.14	.00	.00	.00
Water transportation	.00	.00	.00	1.61	1.44	.80	.05	.03	.00
Air transportation	.00	.00	.00	.11	.19	.26	.00	.00	.00
Transportation services	.00	.00	.00	.08	.08	.01	.00	.00	.00
Communicatns, utils, sanitary serv	.00	.00	.00	9.26	9.05	9.71	.34	.37	.32
Communications	.00	.00	.00	.05	.07	.22	.19	.18	.13
Telephone (wire and radio)	.00	.00	.00	.05	.07	.22	.19	.18	.13
Utilities and sanitary services	.00	.00	.00	9.20	8.97	9.49	.15	.18	.18
Electric light and power	.00	.00	.00	4.41	4.10	2.23	.15	.18	.18
Electric-gas utilities	.00	.00	.00	1.72	1.28	.50	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.71	.67	.79	.00	.00	.00
Water supply	.00	.00	.00	.33	.30	.19	.00	.00	.00
Sanitary services	.00	.00	.00	2.01	2.60	5.75	.00	.00	.00
Wholesale and retail trade	.22	.25	.14	3.00	3.32	3.99	3.14	3.54	3.70
Wholesale trade	.13	.15	.09	2.07	2.14	2.32	2.89	3.25	3.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shoemaking machine operatives			Furnace tendr, stok- er, ex metal			Winding operatives, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.11	.13	.09	.90	1.09	1.64	2.37	2.69	2.77
Motor vehicles and equipment	.00	.00	.00	.08	.08	.05	.10	.12	.11
Drugs, chemicals, allied product	.00	.00	.00	.15	.15	.14	.00	.00	.00
Dry goods and apparel	.10	.12	.09	.04	.04	.08	.12	.12	.11
Food and related products	.00	.00	.00	.24	.30	.54	.06	.09	.15
Electrical goods	.00	.00	.00	.14	.15	.18	1.67	1.85	2.05
Hardware and plumbing	.00	.00	.00	.04	.04	.02	.00	.00	.00
Machinery equipment, supplies	.00	.01	.00	.20	.31	.61	.42	.50	.33
Miscellaneous wholesale trade	.02	.02	.00	1.17	1.04	.68	.52	.56	.64
Metals and minerals, other	.00	.00	.00	.12	.07	.01	.12	.12	.13
Petroleum products	.00	.00	.00	.24	.26	.28	.00	.00	.00
Scrap and waste material	.00	.00	.00	.12	.16	.15	.01	.01	.01
Alcoholic beverages	.00	.00	.00	.02	.02	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.12	.06	.01	.11	.10	.11
Lumber, construction materials	.00	.00	.00	.28	.22	.10	.04	.06	.13
Other wholesale trade	.02	.02	.00	.25	.22	.10	.22	.25	.24
Retail trade	.09	.10	.04	.92	1.17	1.67	.24	.28	.27
Building materials	.00	.00	.00	.18	.20	.29	.04	.05	.05
Lumber, building material	.00	.00	.00	.16	.15	.03	.04	.05	.05
Hardware and farm equipment	.00	.00	.00	.01	.04	.25	.00	.00	.00
General merchandise, total	.00	.00	.00	.32	.38	.54	.00	.00	.00
Department stores, mail order	.00	.00	.00	.21	.26	.41	.00	.00	.00
Vending machine operators	.00	.00	.00	.02	.02	.01	.00	.00	.00
Direct selling	.00	.00	.00	.04	.06	.03	.00	.00	.00
Miscellaneous merchandise store	.00	.00	.00	.03	.03	.08	.00	.00	.00
Food and dairy stores	.00	.00	.00	.07	.07	.02	.00	.00	.00
Grocery stores	.00	.00	.00	.05	.04	.00	.00	.00	.00
Food stores, other	.00	.00	.00	.01	.01	.02	.00	.00	.00
Auto dealers, gas stations	.00	.00	.00	.06	.12	.12	.02	.02	.00
Tire, battery, accessory dealers	.00	.00	.00	.00	.00	.00	.02	.02	.00
Gasoline service stations	.00	.00	.00	.05	.11	.09	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.00	.01	.03	.00	.00	.00
Apparel and accessory stores	.09	.10	.04	.06	.10	.26	.00	.00	.00
Apparel, accessory, except shoes	.00	.00	.00	.05	.08	.22	.00	.00	.00
Shoe stores	.08	.09	.04	.01	.01	.03	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.11	.15	.29	.10	.09	.00
Home furnishings	.00	.00	.00	.03	.04	.07	.02	.02	.00
Household appliances, tv, radio	.00	.00	.00	.07	.11	.21	.08	.07	.00
Eating and drinking places	.00	.00	.00	.05	.04	.00	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.05	.08	.13	.06	.11	.21
Jewelry stores	.00	.00	.00	.00	.00	.00	.02	.02	.00
Misc retail trade stores	.00	.00	.00	.05	.08	.13	.04	.09	.21
Finance, insurance and real estate	.00	.00	.00	1.59	1.92	1.64	.00	.00	.00
Finance, total	.00	.00	.00	.18	.24	.61	.00	.00	.00
Banking	.00	.00	.00	.12	.15	.30	.00	.00	.00
Credit agencies	.00	.00	.00	.02	.05	.25	.00	.00	.00
Stock brokers, investment cos	.00	.00	.00	.03	.04	.05	.00	.00	.00
Insurance	.00	.00	.00	.14	.16	.29	.00	.00	.00
Real estate	.00	.00	.00	1.26	1.52	.73	.00	.00	.00
Services, total	.16	.46	.24	17.89	20.92	24.40	3.00	3.25	4.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Shoemaking machine operatives			Furnace tendr, stok- er, ex metal			Winding operatives, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.46	.63	.63	.00	.00	.00
Hotels and motels	.00	.00	.00	.46	.63	.63	.00	.00	.00
Other personal services	.14	.44	.24	.65	.44	.27	.00	.00	.00
Laundrying and cleaning	.00	.00	.00	.63	.39	.22	.00	.00	.00
Beauty shops	.00	.00	.00	.01	.02	.00	.00	.00	.00
Shoe repair shops	.14	.44	.24	.00	.00	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.01	.03	.04	.00	.00	.00
Miscellaneous business services	.00	.00	.00	.60	.87	1.22	.12	.14	.11
Business management services	.00	.00	.00	.01	.02	.06	.00	.00	.00
Commercial research, development	.00	.00	.00	.08	.07	.01	.01	.01	.00
Computer programing	.00	.00	.00	.00	.00	.00	.10	.13	.11
Detective and protective serv	.00	.00	.00	.21	.44	.93	.00	.00	.00
Services to buildings	.00	.00	.00	.05	.07	.10	.00	.00	.00
Other business services	.00	.00	.00	.22	.26	.09	.00	.00	.00
Automobile services	.00	.00	.00	.01	.02	.04	.00	.00	.00
Automobile services, exc repair	.00	.00	.00	.01	.01	.04	.00	.00	.00
Other repair services	.00	.00	.00	.05	.07	.06	2.87	3.10	3.95
Electrical repair	.00	.00	.00	.00	.00	.03	2.50	2.49	3.56
Other repair, exc electrical	.00	.00	.00	.04	.06	.03	.37	.61	.39
Motion pictures and theaters	.00	.00	.00	.04	.02	.03	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.12	.24	.42	.00	.00	.00
Other entertainment	.00	.00	.00	.12	.24	.42	.00	.00	.00
Medical and other health service	.00	.00	.00	8.06	9.60	13.85	.00	.00	.00
Hospitals	.00	.00	.00	7.55	8.80	11.90	.00	.00	.00
Convalescent institutions	.00	.00	.00	.39	.61	1.69	.00	.00	.00
Other health services	.00	.00	.00	.11	.19	.26	.00	.00	.00
Educational services	.00	.00	.00	6.96	7.86	6.45	.00	.00	.00
Elementary and secondary school	.00	.00	.00	3.99	4.51	2.70	.00	.00	.00
Colleges and universities	.00	.00	.00	2.66	2.98	3.51	.00	.00	.00
Libraries	.00	.00	.00	.00	.00	.03	.00	.00	.00
Other educational services	.00	.00	.00	.30	.36	.20	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.01	.01	.01	.00	.00	.00
Nonprofit organizations	.01	.02	.00	.68	.81	1.05	.00	.00	.00
Religious organizations	.01	.02	.00	.14	.16	.08	.00	.00	.00
Welfare services	.00	.00	.00	.15	.13	.07	.00	.00	.00
Residential welfare services	.00	.00	.00	.09	.11	.08	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.29	.40	.80	.00	.00	.00
Private households	.00	.00	.00	.04	.08	.18	.00	.00	.00
Other professional services	.00	.00	.00	.16	.20	.15	.00	.00	.00
Engineering and architectural	.00	.00	.00	.03	.06	.11	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.12	.13	.04	.00	.00	.00
Government, total	.00	.00	.00	5.62	8.90	4.47	.00	.00	.00
Federal public administration	.00	.00	.00	.30	.64	1.20	.00	.00	.00
Postal services	.00	.00	.00	.30	.64	1.20	.00	.00	.00
State public administration	.00	.00	.00	1.19	1.80	.31	.00	.00	.00
Local public administration	.00	.00	.00	4.13	6.44	2.96	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Misc-machine operatives			Other operatives, ex transprt			Transport equipment operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.29	.47	.45	.41	.59	.59	.53	.74	.70
Agriculture	.28	.44	.43	.25	.34	.32	.49	.70	.64
Agricultural production	.06	.13	.12	.13	.18	.13	.28	.48	.41
Services,except horticulture	.19	.28	.27	.09	.11	.13	.13	.13	.14
Horticultural services	.02	.03	.03	.03	.04	.05	.07	.08	.09
Forestry	.01	.01	.00	.03	.03	.01	.02	.01	.00
Fisheries	.00	.00	.01	.12	.20	.25	.01	.02	.04
Mining	.00	.00	.00	.00	.00	.00	1.52	1.74	2.25
Metal	.00	.00	.00	.00	.00	.00	.21	.19	.29
Coal	.00	.00	.00	.00	.00	.00	.40	.51	.77
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.33	.47	.58
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.57	.55	.59
Construction	.75	.86	.84	1.99	2.25	2.42	5.88	5.31	4.57
General building contractors	.13	.16	.25	.18	.22	.33	.46	.44	.44
General contractors,exc building	.33	.34	.26	1.21	1.27	1.21	4.32	3.74	3.08
Special trade contractors	.28	.34	.32	.59	.75	.87	1.09	1.13	1.05
Manufacturing	91.36	89.08	88.41	75.59	70.59	63.99	22.24	19.72	21.77
Durable goods	42.06	43.31	49.00	41.77	41.23	43.74	10.76	10.53	12.20
Ordnance	.77	.41	.42	.64	.35	.39	.18	.08	.06
Lumber and wood products	2.90	2.85	2.64	2.82	2.48	2.06	1.60	1.60	1.71
Logging	.09	.10	.06	.06	.06	.04	.31	.31	.25
Sawmill,planing and mill work	1.96	1.92	1.68	1.70	1.51	1.42	1.06	1.04	1.12
Miscellaneous wood products	.84	.81	.89	1.05	.90	.58	.22	.24	.34
Furniture and fixtures	1.88	1.97	2.15	2.17	2.15	1.83	.40	.41	.57
Stone,clay,and glass products	4.50	4.34	3.43	3.84	3.47	2.06	2.28	2.22	2.64
Glass and glass products	1.50	1.46	1.23	.86	.77	.45	.23	.23	.25
Cement,concrete,plaster	.90	.88	.65	.92	.89	.61	1.62	1.59	2.01
Structural clay products	.54	.43	.23	.38	.27	.09	.18	.15	.09
Pottery and related products	.44	.44	.38	.96	.86	.51	.03	.03	.04
Miscellaneous nonmetallic,stone	1.10	1.12	.93	.71	.67	.37	.20	.21	.23
Primary metal industries	7.18	6.76	6.75	6.34	5.47	4.50	1.46	1.28	1.34
Blast furnaces,steel works	1.72	1.36	1.08	2.62	1.91	1.07	.58	.47	.46
Other primary steel	2.20	2.01	1.88	1.68	1.41	.93	.41	.39	.45
Primary aluminum	1.33	1.50	1.61	.78	.87	.91	.21	.20	.20
Other primary nonferrous	1.93	1.88	2.16	1.25	1.26	1.58	.25	.21	.22
Fabricated metal products	5.48	6.02	7.34	4.18	4.45	4.85	1.29	1.30	1.64
Cutlery and other hardware	.57	.63	.66	.42	.44	.40	.07	.09	.13
Fabricated structural metal	1.04	1.12	1.22	1.29	1.27	.92	.37	.41	.69
Screw machine products	.32	.33	.38	.24	.26	.32	.06	.05	.05
Metal stamping	.91	1.00	1.43	.56	.61	.85	.24	.24	.28
Miscellaneous fabricated metal	2.63	2.91	3.63	1.66	1.85	2.33	.53	.50	.48
Machinery except electrical	4.10	4.78	6.83	4.02	4.74	6.96	1.05	1.09	1.20
Engines and turbines	.30	.37	.49	.23	.28	.37	.07	.07	.07
Farm machinery and equipment	.26	.27	.25	.23	.22	.15	.16	.18	.22
Construction machines	.55	.70	1.01	.69	.89	1.33	.24	.27	.31
Metalworking machinery	.71	.83	1.29	.57	.66	1.01	.11	.09	.09
Office and accounting machines	.15	.10	.07	.14	.09	.05	.02	.01	.01
Electronic computing equipment	.16	.20	.31	.27	.35	.68	.01	.02	.03
Other machinery,exc electrical	1.95	2.28	3.38	1.88	2.21	3.35	.42	.42	.45
Electrical machinery	6.87	7.49	10.78	8.01	8.43	11.67	.64	.62	.74
Household appliances	.57	.57	.78	.48	.47	.64	.15	.15	.21
Radio,tv communications equip	1.56	1.41	1.50	2.96	2.69	3.13	.12	.09	.09
Other electrical machinery	4.73	5.50	8.48	4.56	5.26	7.89	.36	.37	.43
Transportation equipment	3.65	3.77	3.75	4.70	4.78	5.31	1.47	1.56	1.85
Motor vehicles and equipment	2.01	2.26	2.25	1.92	2.03	1.57	1.00	1.13	1.33
Aircraft and parts	1.04	.82	.58	1.15	.84	.42	.16	.12	.08
Ship,boat building and repair	.34	.35	.33	.64	.62	.44	.12	.11	.15
Railroad equipment	.11	.14	.16	.12	.15	.18	.03	.03	.04
Mobile dwellings	.08	.10	.28	.74	.93	2.37	.12	.12	.18
Cycles,misc transportation	.04	.08	.12	.11	.18	.31	.02	.03	.04
Professional,scientific instrs	1.79	2.10	2.48	1.31	1.55	1.87	.11	.12	.14
Scientific instruments	.57	.59	.58	.40	.43	.46	.03	.03	.02
Optical,health serv supplies	.61	.89	1.20	.51	.76	1.12	.03	.04	.04
Photo equipment and supplies	.44	.47	.57	.22	.22	.19	.04	.04	.06
Watches and clock devices	.15	.13	.11	.17	.14	.09	.00	.00	.00
Miscellaneous manufacturing	2.92	2.78	2.39	3.69	3.31	2.20	.22	.21	.27
Nondurable goods	49.29	45.77	39.40	33.81	29.35	20.24	11.48	9.18	9.56

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Misc-machine operatives			Other operatives, ex transprt			Transport equipment operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	11.21	9.56	7.46	10.81	8.74	4.82	7.06	5.17	4.73
Meat	1.84	1.76	1.51	3.77	3.35	2.07	.60	.51	.52
Dairy	2.48	1.74	1.07	.45	.28	.12	2.12	1.25	.77
Canning and preserving	2.11	1.95	1.75	2.84	2.39	1.44	.61	.59	.74
Grain mill	.84	.77	.61	.39	.33	.18	.46	.42	.53
Bakery	.82	.63	.40	1.76	1.08	.26	1.24	.76	.55
Confectionery	1.22	1.01	.73	.32	.24	.13	.05	.04	.05
Beverages	.56	.48	.39	.45	.36	.20	1.40	1.07	.97
Miscellaneous food preparation	1.31	1.19	.98	.79	.67	.39	.55	.48	.56
Tobacco manufacturing	.91	.65	.41	.73	.48	.20	.07	.05	.05
Textile mill products	.00	.00	.00	.00	.00	.00	.48	.44	.67
Knitting mills	.00	.00	.00	.00	.00	.00	.04	.04	.08
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.06	.05	.05
Floor coverings	.00	.00	.00	.00	.00	.00	.09	.09	.20
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.21	.19	.27
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.06	.05	.06
Apparel and textile products	3.62	3.52	3.29	5.63	5.06	3.64	.22	.22	.32
Apparel and accessories	2.60	2.41	2.20	4.84	4.26	3.10	.15	.14	.22
Miscelanous fabricated textile	1.02	1.11	1.08	.79	.79	.54	.07	.07	.09
Paper and allied products	10.26	8.70	7.46	3.61	2.88	1.88	1.14	1.00	1.24
Pulp,paper paperboard mills	4.25	3.37	2.49	1.34	1.02	.63	.49	.40	.42
Paperboard containers,boxes	3.52	2.86	2.70	1.39	1.03	.67	.46	.39	.56
Miscellaneous paper and pulp	2.48	2.46	2.26	.87	.82	.58	.19	.20	.25
Printing and publishing	2.73	2.48	1.78	3.11	2.65	1.48	.64	.55	.60
Newspaper publishing, printing	.48	.48	.47	.58	.54	.42	.32	.27	.29
Other printing,exc newspapers	2.24	2.00	1.30	2.53	2.10	1.06	.31	.28	.30
Chemicals and allied products	6.70	5.87	5.38	3.58	3.25	3.22	1.05	.90	1.02
Industrial chemicals	2.13	1.81	1.33	1.04	1.00	.93	.33	.28	.33
Plastics and synthetics	1.26	1.04	.94	.40	.35	.39	.07	.06	.06
Synthetic filters	.55	.52	.64	.53	.48	.47	.07	.07	.12
Drugs and medicines	.61	.69	.65	.34	.33	.16	.04	.05	.04
Soaps and cosmetics	.54	.51	.54	.42	.42	.49	.11	.10	.08
Paints and varnishes	.41	.38	.35	.16	.14	.12	.08	.08	.13
Agricultural chemicals	.30	.28	.17	.15	.13	.06	.15	.13	.11
Miscellaneous chemicals	.86	.61	.73	.50	.37	.56	.16	.10	.11
Petroleum and coal products	1.47	1.48	1.16	.62	.63	.49	.29	.27	.27
Petroleum refining	1.22	1.21	.90	.50	.51	.41	.17	.14	.09
Misc petroleum,coal products	.25	.26	.26	.12	.12	.08	.11	.12	.18
Rubber,miscellaneous plastics	10.20	11.76	11.18	3.35	3.82	3.15	.44	.49	.57
Rubber	5.40	4.99	4.97	1.60	1.37	1.00	.26	.24	.28
Miscellaneous plastics	4.80	6.77	6.20	1.75	2.44	2.15	.17	.25	.28
Leather products	2.16	1.70	1.27	2.33	1.82	1.32	.07	.05	.05
Leather tanning and finishing	.37	.28	.15	.60	.46	.23	.02	.01	.01
Footwear, except rubber	1.22	.93	.69	.96	.71	.45	.03	.02	.02
All other leather	.57	.48	.42	.76	.65	.62	.01	.01	.01
Transportation, other public util	.73	.76	.71	5.57	5.37	4.89	39.54	41.39	40.12
Transportation,total	.28	.28	.24	3.30	3.05	2.82	37.49	39.31	37.33
Railroads and railway express	.06	.04	.02	.65	.43	.26	3.35	2.49	1.98
Local and interurban transit	.00	.00	.02	.08	.06	.15	9.71	10.62	9.61
Street railways and bus lines	.00	.00	.02	.07	.05	.15	6.93	7.76	7.14
Taxicab service	.00	.00	.00	.00	.00	.00	2.77	2.85	2.46
Trucking and warehousing	.13	.13	.10	.42	.41	.28	23.72	25.46	24.95
Trucking services	.05	.06	.04	.29	.30	.22	23.19	24.93	24.27
Warehousing and storage	.07	.07	.06	.12	.11	.05	.52	.53	.68
Water transportation	.04	.03	.02	.09	.08	.03	.39	.37	.28
Air transportation	.01	.01	.01	1.79	1.79	1.86	.12	.13	.18
Pipelines	.01	.01	.01	.21	.20	.12	.01	.01	.00
Transportation services	.01	.02	.04	.03	.05	.09	.16	.22	.30
Communicatns,utils,sanitary serv	.45	.48	.46	2.26	2.31	2.06	2.05	2.07	2.78
Communications	.06	.06	.06	.20	.19	.13	.10	.10	.15
Telephone(wire and radio)	.04	.04	.04	.18	.17	.12	.09	.08	.13
Radio and tv broadcasting	.00	.00	.01	.01	.01	.01	.00	.00	.01
Utilities and sanitary services	.39	.42	.40	2.05	2.12	1.93	1.94	1.97	2.63
Electric light and power	.10	.13	.09	.53	.64	.63	.21	.25	.27
Electric-gas utilities	.07	.07	.07	.37	.36	.37	.17	.15	.20
Gas steam supply systems	.12	.11	.11	.37	.33	.28	.17	.15	.20
Water supply	.04	.05	.05	.55	.55	.48	.11	.12	.19
Sanitary services	.04	.05	.06	.21	.21	.14	1.25	1.27	1.73
Other utilities	.00	.00	.00	.00	.00	.01	.01	.01	.02
Wholesale and retail trade	5.21	6.50	6.94	8.65	10.46	11.14	21.85	21.42	21.89
Wholesale trade	3.32	3.72	3.79	5.16	5.96	6.19	12.11	11.63	12.03

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Misc-machine operatives			Other operatives, ex transprt			Transport equipment operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	2.05	2.36	2.30	3.00	3.36	3.20	6.71	6.69	7.55
Motor vehicles and equipment	.28	.34	.38	.20	.23	.25	.63	.65	.75
Drugs,chemicals,allied product	.18	.19	.20	.15	.16	.17	.47	.45	.53
Dry goods and apparel	.13	.12	.13	.23	.22	.25	.08	.07	.10
Food and related products	.66	.69	.59	1.42	1.46	1.15	3.66	3.42	3.83
Farm products-raw materials	.20	.29	.14	.17	.24	.13	.31	.42	.35
Electrical gcods	.18	.22	.32	.25	.29	.42	.28	.27	.33
Hardware and plumbing	.05	.06	.05	.06	.07	.09	.33	.33	.39
Machinery equipment,supplies	.33	.43	.46	.49	.65	.72	.92	1.04	1.25
Miscellaneous wholesale trade	1.27	1.36	1.49	2.16	2.60	2.98	5.40	4.93	4.48
Metals and minerals, other	.21	.20	.20	.20	.21	.30	.31	.26	.28
Petroleum products	.10	.10	.06	.20	.20	.12	1.64	1.54	1.58
Scrap and waste material	.13	.18	.15	.99	1.33	1.39	.34	.38	.26
Alcoholic beverages	.02	.03	.03	.01	.01	.02	.93	.94	.71
Paper and paper products	.17	.16	.20	.11	.11	.17	.35	.26	.25
Lumber,construction materials	.24	.27	.41	.14	.16	.26	.79	.63	.50
Other wholesale trade	.39	.41	.41	.48	.55	.70	1.00	.90	.87
Retail trade	1.89	2.77	3.15	3.48	4.49	4.95	9.73	9.79	9.85
Building materials	.17	.19	.12	.20	.20	.11	1.53	1.51	1.14
Lumber,building material	.16	.18	.11	.12	.13	.06	1.34	1.34	.95
Hardware and farm equipment	.01	.01	.00	.07	.07	.05	.19	.16	.18
General merchandise,total	.18	.22	.43	.43	.54	1.01	1.31	1.17	1.33
Department stores,mail order	.10	.14	.28	.29	.39	.77	.39	.39	.47
Limited price stores	.01	.01	.00	.02	.01	.00	.04	.04	.06
Vending machine operators	.01	.01	.03	.01	.01	.03	.61	.49	.57
Direct selling	.01	.02	.02	.03	.03	.04	.14	.15	.11
Miscellaneous merchadise store	.02	.03	.08	.07	.08	.15	.12	.09	.10
Food and dairy stores	.39	.49	.61	1.30	1.68	1.62	1.36	1.40	1.63
Grocery stores	.08	.10	.14	.39	.50	.48	.87	.92	1.25
Dairy products	.04	.05	.06	.01	.01	.01	.11	.10	.05
Retail bakeries	.17	.20	.21	.63	.78	.80	.18	.18	.19
Food stores,other	.10	.14	.19	.25	.37	.31	.18	.19	.14
Auto dealers,gas stations	.37	.59	.88	.58	.79	.86	.99	1.07	1.12
Motor vehicle dealers	.01	.02	.02	.32	.39	.34	.35	.33	.28
Tire,battery,accessory dealsrs	.32	.53	.80	.10	.17	.23	.23	.27	.31
Gasoline service stations	.02	.02	.02	.09	.11	.11	.34	.38	.45
Miscellaneous vehicle dealers	.01	.01	.02	.06	.10	.18	.06	.07	.07
Apparel and accessory stores	.06	.07	.06	.16	.17	.09	.07	.07	.10
Apparel,accessory,except shoes	.04	.05	.04	.14	.15	.08	.06	.07	.09
Shoe stores	.01	.01	.02	.02	.01	.01	.00	.00	.01
Furniture and appliance stores	.07	.07	.05	.16	.17	.12	.93	.83	.74
Home furnishings	.06	.06	.03	.12	.12	.09	.75	.64	.56
Household appliances,tv,radio	.01	.01	.01	.04	.05	.03	.18	.19	.17
Eating and drinking places	.24	.53	.19	.15	.26	.16	.51	1.00	1.34
Miscellaneous retail trade	.38	.56	.78	.47	.65	.94	3.00	2.70	2.41
Drug stores	.01	.01	.01	.02	.02	.01	.52	.43	.46
Liquor stores	.00	.00	.00	.00	.00	.00	.15	.17	.16
Farm,garden supply stores	.23	.36	.48	.06	.09	.12	.58	.60	.37
Jewelry stores	.01	.01	.00	.01	.02	.00	.01	.01	.00
Fuel and ice dealers	.02	.02	.01	.06	.04	.02	1.26	.92	.84
Retail florists	.00	.00	.00	.00	.01	.00	.25	.30	.31
Misc retail trade stores	.09	.15	.26	.29	.45	.76	.22	.24	.24
Finance,insurance and real estate	.15	.16	.23	.19	.23	.39	.25	.23	.24
Finance,total	.06	.08	.15	.08	.11	.26	.11	.09	.07
Banking	.04	.05	.10	.04	.07	.20	.06	.04	.01
Credit agencies	.01	.01	.03	.01	.01	.04	.01	.01	.01
Stock brokers,investment cos	.01	.01	.01	.02	.02	.01	.04	.03	.04
Insurance	.06	.05	.04	.03	.03	.02	.03	.03	.04
Real estate	.02	.02	.03	.07	.09	.10	.09	.10	.13
Services, total	1.01	1.64	2.17	6.50	9.27	15.34	6.06	6.86	6.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Misc-machine operatives			Other operatives, ex transprt			Transport equipment operatives		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.03	.04	.04	.10	.12	.13	.12	.18	.20
Hotels and motels	.03	.04	.04	.07	.10	.10	.10	.16	.17
Other lodging places	.00	.00	.00	.02	.01	.02	.01	.01	.02
Other personal services	.00	.00	.00	.03	.08	.06	1.68	1.12	.66
Laundering and cleaning	.00	.00	.00	.00	.00	.00	1.50	.79	.46
Beauty shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.03	.06	.06	.18	.33	.18
Miscellaneous business services	.06	.08	.11	2.88	4.18	8.10	.66	.81	.81
Advertising	.00	.00	.00	.23	.17	.09	.02	.02	.01
Business management services	.00	.00	.00	.02	.03	.06	.01	.01	.01
Commercial research,development	.03	.04	.08	.05	.08	.16	.03	.02	.01
Computer programing	.02	.02	.03	.02	.02	.04	.00	.01	.01
Detective and protective serv	.00	.00	.00	.02	.04	.07	.13	.22	.34
Services to buildings	.01	.01	.00	2.15	3.18	6.57	.04	.04	.07
Other business services	.00	.00	.00	.37	.63	1.09	.41	.46	.34
Automobile services	.30	.56	.42	.31	.54	.44	1.02	1.05	1.00
Automobile repair	.30	.56	.42	.26	.47	.34	.08	.10	.06
Automobile services,exc repair	.00	.00	.00	.05	.07	.09	.94	.95	.94
Other repair services	.07	.11	.12	.41	.63	.70	.09	.11	.10
Electrical repair	.01	.01	.03	.09	.09	.16	.03	.02	.03
Other repair,exc electrical	.05	.09	.09	.32	.53	.54	.06	.08	.06
Motion pictures and theaters	.00	.00	.00	.04	.03	.04	.05	.03	.05
Miscellaneous entertainment	.00	.00	.00	.08	.15	.14	.10	.17	.15
Bowling alleys,billards	.00	.00	.00	.01	.02	.01	.00	.00	.00
Other entertainment	.00	.00	.00	.06	.12	.12	.10	.17	.15
Medical and other health service	.17	.30	.66	.50	.79	1.39	.49	.66	.72
Offices of physicians	.00	.00	.00	.02	.03	.08	.01	.01	.00
Offices of dentists	.00	.00	.00	.01	.01	.00	.00	.00	.00
Hospitals	.14	.19	.46	.31	.42	.90	.35	.40	.57
Convalescent institutions	.01	.02	.11	.01	.03	.14	.02	.03	.03
Other health services	.02	.08	.07	.12	.28	.24	.09	.20	.10
Educational services	.20	.29	.44	1.52	1.98	3.00	1.34	2.15	2.11
Elementary and secondary school	.05	.09	.13	.13	.22	.29	1.13	1.90	1.81
Colleges and universities	.13	.17	.28	1.29	1.64	2.43	.17	.20	.21
Libraries	.00	.00	.00	.02	.04	.12	.01	.01	.07
Other educational services	.01	.02	.02	.05	.07	.15	.02	.02	.01
Museums,art galleries,zoos	.00	.01	.02	.01	.02	.05	.00	.00	.00
Nonprofit organizations	.07	.09	.14	.42	.48	.91	.26	.25	.24
Religious organizations	.01	.02	.02	.02	.03	.05	.03	.04	.01
welfare services	.03	.03	.06	.29	.32	.72	.15	.11	.07
Residential welfare services	.00	.00	.01	.00	.00	.03	.00	.00	.00
Nonprofit membership organiztns	.02	.03	.03	.10	.11	.10	.07	.09	.15
Private households	.03	.04	.02	.01	.02	.00	.14	.23	.14
Other professional services	.05	.09	.16	.12	.20	.31	.04	.05	.04
Engineering and architectural	.02	.05	.10	.04	.08	.13	.01	.02	.02
Accounting and auditing	.00	.00	.00	.01	.02	.02	.00	.01	.00
Miscellaneous professional serv	.02	.04	.06	.07	.10	.15	.02	.02	.01
Government,total	.45	.49	.20	1.08	1.20	1.20	2.08	2.54	2.14
Federal public administration	.33	.34	.04	.59	.59	.80	1.05	1.15	1.09
Postal services	.00	.00	.00	.00	.00	.01	.25	.38	.43
Federal pub adm,exc post office	.33	.33	.03	.59	.58	.79	.80	.77	.65
State public administration	.04	.06	.06	.14	.17	.14	.14	.20	.31
Local public administration	.07	.09	.09	.34	.44	.25	.89	1.18	.74

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Boat operators			Bus drivers			Conductors, operators, urban rail		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	4.16	7.03	11.14	.00	.00	.00	.00	.00	.00
Fisheries	4.16	7.03	11.14	.00	.00	.00	.00	.00	.00
Mining	5.56	7.68	7.35	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	4.43	6.45	5.86	.00	.00	.00	.00	.00	.00
Nonmetallic mining and quarrying	1.13	1.23	1.48	.00	.00	.00	.00	.00	.00
Construction	8.23	9.21	14.16	.00	.00	.00	.00	.00	.00
General building contractors	.26	.21	.00	.00	.00	.00	.00	.00	.00
General contractors,exc building	7.48	8.56	14.16	.00	.00	.00	.00	.00	.00
Special trade contractors	.48	.43	.00	.00	.00	.00	.00	.00	.00
Manufacturing	7.10	6.37	5.88	.33	.31	.13	.35	.27	.00
Durable goods	5.00	4.87	5.49	.19	.16	.06	.15	.14	.00
Ordnance	1.16	.46	.00	.04	.01	.00	.00	.00	.00
Stone,clay,and glass products	.91	.89	.77	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.66	.68	.77	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.25	.20	.00	.00	.00	.00	.00	.00	.00
Primary metal industries	.55	.51	.85	.05	.05	.03	.00	.00	.00
Blast furnaces,steel works	.55	.51	.85	.04	.05	.03	.00	.00	.00
Electrical machinery	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other electrical machinery	.00	.00	.00	.01	.00	.00	.00	.00	.00
Transportation equipment	2.36	3.00	3.87	.07	.06	.02	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.01	.02	.01	.00	.00	.00
Aircraft and parts	.00	.00	.00	.01	.00	.00	.00	.00	.00
Ship,boat building and repair	2.23	2.85	3.75	.02	.01	.00	.00	.00	.00
Railroad equipment	.13	.14	.11	.00	.00	.00	.00	.00	.00
Mobile dwellings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	.15	.14	.00
Nondurable goods	2.10	1.50	.38	.13	.14	.07	.20	.12	.00
Food and kindred products	1.10	.82	.38	.04	.04	.02	.08	.04	.00
Meat	.00	.00	.00	.01	.01	.00	.00	.00	.00
Canning and preserving	1.10	.82	.38	.02	.02	.01	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.08	.04	.00
Textile mill products	.00	.00	.00	.06	.07	.04	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.06	.07	.04	.00	.00	.00
Paper and allied products	.51	.32	.00	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.51	.32	.00	.00	.00	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.01	.00	.00	.00	.00	.00
Chemicals and allied products	.16	.10	.00	.01	.01	.00	.11	.08	.00
Industrial chemicals	.16	.10	.00	.00	.01	.00	.11	.08	.00
Petroleum and coal products	.31	.23	.00	.00	.00	.00	.00	.00	.00
Petroleum refining	.31	.23	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	60.44	49.14	36.29	84.00	77.48	78.55	99.00	99.17	100.00
Transportation,total	59.41	48.05	34.79	83.79	77.24	78.46	99.00	99.17	100.00
Railroads and railway express	1.73	1.46	1.70	.16	.11	.03	.00	.00	.00
Local and interurban transit	.71	.56	1.66	83.00	76.34	77.92	99.00	99.17	100.00
Street railways and bus lines	.71	.56	1.66	83.00	76.34	77.92	99.00	99.17	100.00
Trucking and warehousing	.50	.40	.00	.36	.41	.30	.00	.00	.00
Trucking services	.50	.40	.00	.31	.36	.28	.00	.00	.00
Warehousing and storage	.00	.00	.00	.05	.05	.01	.00	.00	.00
Water transportation	55.90	44.91	30.16	.00	.00	.00	.00	.00	.00
Air transportation	.00	.00	.00	.08	.09	.10	.00	.00	.00
Transportation services	.55	.70	1.25	.17	.27	.09	.00	.00	.00
Communicatns,utils,sanitary serv	1.03	1.09	1.50	.21	.24	.08	.00	.00	.00
Utilities and sanitary services	1.03	1.09	1.50	.21	.23	.08	.00	.00	.00
Electric light and power	.00	.00	.00	.05	.06	.01	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.09	.07	.01	.00	.00	.00
Water supply	.65	.70	.94	.00	.00	.00	.00	.00	.00
Sanitary services	.00	.00	.00	.06	.09	.06	.00	.00	.00
Other utilities	.38	.39	.55	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	1.70	1.56	.68	.40	.46	.15	.13	.10	.00
Wholesale trade	.95	.84	.35	.18	.22	.09	.08	.07	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Boat operators			Bus drivers			Conductors, operators, urban rail		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	.00	.00	.00	.16	.20	.09	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.01	.02	.02	.00	.00	.00
Drugs, chemicals, allied product	.00	.00	.00	.10	.12	.05	.00	.00	.00
Food and related products	.00	.00	.00	.03	.03	.01	.00	.00	.00
Machinery equipment, supplies	.00	.00	.00	.00	.01	.00	.00	.00	.00
Miscellaneous wholesale trade	.95	.84	.35	.02	.01	.00	.08	.07	.00
Petroleum products	.53	.48	.35	.00	.00	.00	.00	.00	.00
Scrap and waste material	.10	.10	.00	.00	.00	.00	.00	.00	.00
Lumber, construction materials	.13	.10	.00	.00	.00	.00	.00	.00	.00
Other wholesale trade	.18	.14	.00	.00	.00	.00	.08	.07	.00
Retail trade	.75	.71	.33	.22	.23	.05	.04	.03	.00
General merchandise, total	.00	.00	.00	.04	.03	.01	.00	.00	.00
Vending machine operators	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous merchandise store	.00	.00	.00	.03	.02	.00	.00	.00	.00
Food and dairy stores	.21	.17	.00	.02	.02	.00	.00	.00	.00
Grocery stores	.21	.17	.00	.02	.02	.00	.00	.00	.00
Auto dealers, gas stations	.23	.21	.33	.08	.09	.01	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.06	.06	.01	.00	.00	.00
Gasoline service stations	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous vehicle dealers	.23	.21	.33	.00	.01	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.04	.03	.00
Apparel, accessory, except shoes	.00	.00	.00	.00	.00	.00	.04	.03	.00
Eating and drinking places	.00	.00	.00	.03	.04	.00	.00	.00	.00
Miscellaneous retail trade	.30	.32	.00	.02	.03	.03	.00	.00	.00
Drug stores	.00	.00	.00	.01	.02	.02	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.01	.01	.00	.00	.00	.00
Misc retail trade stores	.30	.32	.00	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	.00	.00	.00	.16	.20	.17	.00	.00	.00
Finance, total	.00	.00	.00	.04	.04	.00	.00	.00	.00
Credit agencies	.00	.00	.00	.03	.04	.00	.00	.00	.00
Real estate	.00	.00	.00	.11	.15	.16	.00	.00	.00
Services, total	7.11	12.73	16.71	14.13	20.30	20.74	.28	.22	.00
Hotels and lodging place	.00	.00	.00	.19	.28	.27	.00	.00	.00
Hotels and motels	.00	.00	.00	.15	.23	.20	.00	.00	.00
Other lodging places	.00	.00	.00	.03	.05	.06	.00	.00	.00
Other personal services	.00	.00	.00	.00	.00	.00	.28	.22	.00
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.22	.12	.00
Misc personal services	.00	.00	.00	.00	.00	.00	.06	.09	.00
Miscellaneous business services	.00	.00	.00	.08	.12	.02	.00	.00	.00
Business management services	.00	.00	.00	.00	.01	.00	.00	.00	.00
Commercial research, development	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other business services	.00	.00	.00	.05	.07	.01	.00	.00	.00
Automobile services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Automobile services, exc repair	.00	.00	.00	.02	.02	.00	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.02	.02	.02	.00	.00	.00
Miscellaneous entertainment	6.61	12.18	16.71	.12	.25	.11	.00	.00	.00
Bowling alleys, billiards	.00	.00	.00	.03	.04	.00	.00	.00	.00
Other entertainment	6.61	12.18	16.71	.08	.20	.10	.00	.00	.00
Medical and other health service	.00	.00	.00	.23	.39	.15	.00	.00	.00
Hospitals	.00	.00	.00	.15	.19	.06	.00	.00	.00
Convalescent institutions	.00	.00	.00	.02	.04	.05	.00	.00	.00
Other health services	.00	.00	.00	.06	.16	.02	.00	.00	.00
Educational services	.00	.00	.00	13.04	18.72	20.03	.00	.00	.00
Elementary and secondary school	.00	.00	.00	12.66	18.18	19.80	.00	.00	.00
Colleges and universities	.00	.00	.00	.29	.39	.18	.00	.00	.00
Other educational services	.00	.00	.00	.09	.13	.04	.00	.00	.00
Nonprofit organizations	.28	.23	.00	.35	.42	.09	.00	.00	.00
Religious organizations	.00	.00	.00	.16	.22	.04	.00	.00	.00
Welfare services	.00	.00	.00	.13	.12	.01	.00	.00	.00
Nonprofit membership organiztns	.28	.23	.00	.04	.06	.03	.00	.00	.00
Private housechlds	.08	.06	.00	.00	.01	.02	.00	.00	.00
Other professional services	.13	.25	.00	.02	.02	.00	.00	.00	.00
Miscellaneous professional serv	.13	.25	.00	.02	.02	.00	.00	.00	.00
Government, total	5.66	6.24	7.75	.96	1.23	.23	.22	.22	.00
Federal public administration	2.51	2.45	3.53	.78	.99	.17	.00	.00	.00
Postal services	.00	.00	.00	.04	.08	.05	.00	.00	.00
Federal pub adm, exc post office	2.51	2.45	3.53	.73	.90	.11	.00	.00	.00
State public administration	2.18	2.90	4.22	.00	.00	.00	.00	.00	.00
Local public administration	.96	.89	.00	.18	.24	.05	.22	.22	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Delivery and route workers			Fork lift, tow motor operatives			Rail vehicle operators, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.39	1.12	1.01	.22	.31	.21	.00	.00	.00
Agriculture	.37	1.09	.96	.20	.29	.19	.00	.00	.00
Agricultural production	.30	1.02	.93	.11	.16	.09	.00	.00	.00
Services,except horticulture	.07	.07	.03	.07	.09	.07	.00	.00	.00
Horticultural services	.00	.00	.00	.02	.02	.02	.00	.00	.00
Forestry	.00	.00	.01	.01	.01	.01	.00	.00	.00
Fisneries	.01	.01	.03	.00	.00	.01	.00	.00	.00
Mining	.25	.31	.35	.67	.80	.86	70.36	75.33	71.27
Metal	.00	.00	.00	.09	.09	.10	10.12	7.85	6.30
Coal	.03	.04	.05	.19	.28	.42	49.96	56.96	60.57
Crude petroleum and natural gas	.08	.13	.13	.07	.11	.10	8.21	8.75	3.12
Nonmetallic mining and quarrying	.12	.13	.15	.31	.30	.23	2.07	1.76	1.27
Construction	.91	1.03	1.27	1.85	2.28	3.01	2.08	2.57	5.31
General building contractors	.15	.16	.20	.58	.67	.87	.00	.00	.00
General contractors,exc building	.24	.25	.28	.57	.66	.82	1.00	1.05	1.58
Special trade contractors	.51	.61	.78	.69	.95	1.31	1.08	1.52	3.72
Manufacturing	27.24	21.91	21.20	74.46	71.55	70.57	23.70	18.76	19.63
Durable goods	3.90	3.92	4.84	45.73	46.23	48.16	20.74	16.31	16.09
Ordnance	.03	.01	.01	.93	.47	.42	.00	.00	.00
Lumber and wood products	.30	.33	.36	6.73	6.67	6.59	.74	.62	.54
Logging	.02	.03	.03	.20	.23	.13	.11	.10	.06
Sawmill,planing and mill work	.21	.23	.25	5.23	5.15	4.83	.39	.33	.38
Miscellaneous wood products	.06	.06	.07	1.29	1.28	1.62	.24	.18	.10
Furniture and fixtures	.37	.42	.73	1.10	1.16	1.33	.00	.00	.00
Stone,clay,and glass products	.87	.86	.97	5.50	5.14	3.97	1.43	1.32	1.84
Glass and glass products	.07	.07	.11	1.59	1.52	1.32	.34	.38	.78
Cement,concrete,plaster	.69	.68	.74	1.75	1.68	1.28	.35	.38	.69
Structural clay products	.05	.04	.03	1.08	.84	.44	.47	.35	.27
Pottery and related products	.01	.01	.01	.16	.16	.14	.00	.00	.00
Miscellaneous nonmetallic,stone	.04	.04	.06	.91	.92	.77	.27	.20	.09
Primary metal industries	.24	.22	.23	6.68	6.26	6.12	16.85	12.86	12.20
Blast furnaces,steel works	.07	.06	.05	1.85	1.49	1.13	13.44	10.51	10.17
Other primary steel	.09	.09	.15	2.08	1.91	1.95	1.52	1.28	1.79
Primary aluminum	.03	.03	.01	1.28	1.39	1.33	.07	.05	.00
Other primary nonferrous	.03	.02	.01	1.46	1.45	1.70	1.82	1.01	.23
Fabricated metal products	.51	.50	.61	6.99	7.53	8.75	.45	.49	.96
Cutlery and other hardware	.03	.04	.06	.45	.50	.55	.00	.00	.00
Fabricated structural metal	.17	.20	.38	1.12	1.20	1.34	.45	.49	.96
Screw machine products	.03	.02	.01	.33	.36	.41	.00	.00	.00
Metal stamping	.04	.03	.02	1.80	1.91	2.40	.00	.00	.00
Miscellaneous fabricated metal	.22	.19	.12	3.27	3.55	4.03	.00	.00	.00
Machinery except electrical	.45	.43	.41	5.57	6.32	7.72	.46	.36	.10
Engines and turbines	.01	.01	.00	.44	.53	.61	.11	.10	.10
Farm machinery and equipment	.03	.04	.06	1.00	1.04	1.01	.00	.00	.00
Construction machines	.06	.06	.05	1.39	1.74	2.34	.00	.00	.00
Metalworking machinery	.09	.08	.07	.41	.46	.63	.00	.00	.00
Office and accounting machines	.01	.01	.01	.09	.06	.05	.00	.00	.00
Electronic computing equipment	.02	.02	.02	.07	.09	.15	.00	.00	.00
Other machinery,exc electrical	.21	.19	.17	2.15	2.37	2.91	.35	.25	.00
Electrical machinery	.28	.24	.18	3.60	3.79	5.07	.18	.14	.18
Household appliances	.05	.04	.03	1.09	1.08	1.44	.18	.14	.18
Radio, tv communications equip	.06	.04	.03	.61	.57	.68	.00	.00	.00
Other electrical machinery	.17	.15	.12	1.88	2.13	2.94	.00	.00	.00
Transportation equipment	.40	.45	.74	7.27	7.47	6.66	.63	.49	.24
Motor vehicles and equipment	.18	.22	.36	5.66	5.95	4.89	.35	.26	.00
Aircraft and parts	.08	.07	.08	.72	.51	.24	.00	.00	.00
Ship,boat building and repair	.03	.03	.04	.34	.29	.31	.28	.23	.24
Railroad equipment	.00	.00	.01	.19	.22	.20	.00	.00	.00
Mobile dwellings	.08	.09	.23	.21	.27	.72	.00	.00	.00
Cycles,misc transportation	.01	.01	.01	.13	.21	.28	.00	.00	.00
Professional,scientific instrs	.12	.13	.15	.52	.62	.76	.00	.00	.00
Scientific instruments	.01	.01	.01	.15	.16	.18	.00	.00	.00
Optical,health serv supplies	.06	.07	.06	.13	.19	.27	.00	.00	.00
Photo equipment and supplies	.03	.03	.06	.23	.25	.30	.00	.00	.00
Miscellaneous manufacturing	.29	.29	.40	.78	.75	.73	.00	.00	.00
Nondurable goods	23.34	17.99	16.35	28.72	25.31	22.40	2.96	2.45	3.54

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Delivery and route workers			Fork lift, tow motor operatives			Rail vehicle operators, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	19.92	14.78	12.48	10.57	9.37	8.38	1.01	.90	1.38
Meat	.89	.87	1.06	.56	.54	.49	.00	.00	.00
Dairy	8.43	5.60	3.36	.48	.33	.21	.00	.00	.00
Canning and preserving	.26	.26	.39	3.78	3.50	3.40	.28	.24	.28
Grain mill	.38	.35	.36	.93	.86	.74	.00	.00	.00
Bakery	4.99	3.31	2.18	.58	.46	.35	.00	.00	.00
Confectionery	.04	.03	.01	.23	.19	.17	.00	.00	.00
Beverages	3.97	3.45	3.86	2.99	2.57	2.21	.00	.00	.00
Miscellaneous food preparation	.93	.90	1.22	.98	.89	.79	.73	.66	1.09
Tobacco manufacturing	.02	.01	.01	.47	.34	.23	.00	.00	.00
Textile mill products	.16	.15	.27	2.35	2.08	2.34	.46	.43	.84
Knitting mills	.03	.03	.07	.12	.10	.12	.00	.00	.00
Dyeing,finishing textiles	.02	.02	.03	.30	.26	.22	.00	.00	.00
Floor coverings	.02	.02	.06	.58	.56	.81	.00	.00	.00
Yarn and fabric mills	.05	.05	.08	.97	.81	.82	.46	.43	.84
Miscellaneous textile mill	.02	.01	.02	.37	.32	.35	.00	.00	.00
Apparel and textile products	.27	.25	.28	.46	.47	.46	.00	.00	.00
Apparel and accessories	.20	.18	.20	.19	.17	.15	.00	.00	.00
Miscellaneous fabricated textile	.06	.06	.07	.27	.29	.31	.00	.00	.00
Paper and allied products	.37	.34	.57	6.46	5.38	4.88	.57	.47	.80
Pulp,paper paperboard mills	.08	.07	.10	2.79	2.18	1.65	.57	.47	.80
Paperboard containers,boxes	.20	.18	.29	2.43	1.95	1.95	.00	.00	.00
Miscellaneous paper and pulp	.08	.09	.16	1.23	1.24	1.27	.00	.00	.00
Printing and publishing	1.62	1.54	1.73	.86	.78	.59	.00	.00	.00
Newspaper publishing, printing	.99	.96	1.16	.08	.07	.06	.00	.00	.00
Other printing,exc newspapers	.63	.57	.57	.78	.70	.53	.00	.00	.00
Chemicals and allied products	.54	.46	.48	4.19	3.50	2.81	.76	.52	.48
Industrial chemicals	.17	.14	.13	.94	.76	.51	.32	.27	.34
Plastics and synthetics	.02	.01	.00	.46	.35	.24	.00	.00	.00
Synthetic fibers	.01	.01	.02	.51	.43	.35	.00	.00	.00
Drugs and medicines	.03	.03	.04	.22	.25	.25	.00	.00	.00
Soaps and cosmetics	.04	.04	.03	.72	.63	.51	.00	.00	.00
Paints and varnishes	.06	.06	.12	.36	.32	.29	.00	.00	.00
Agricultural chemicals	.10	.09	.05	.35	.31	.15	.11	.09	.08
Miscellaneous chemicals	.08	.05	.05	.61	.42	.48	.33	.15	.05
Petroleum and coal products	.20	.20	.23	.70	.71	.63	.00	.00	.00
Petroleum refining	.15	.15	.14	.19	.18	.12	.00	.00	.00
Misc petroleum,coal products	.04	.05	.09	.51	.52	.50	.00	.00	.00
Rubber,miscellaneous plastics	.16	.18	.24	2.37	2.46	1.91	.11	.07	.00
Rubber	.08	.08	.13	1.44	1.21	.87	.11	.07	.00
Miscellaneous plastics	.07	.10	.11	.92	1.24	1.03	.00	.00	.00
Leather products	.04	.03	.03	.25	.19	.13	.05	.04	.03
Leather tanning and finishing	.00	.00	.00	.08	.06	.03	.05	.04	.03
Footwear, except rubber	.02	.01	.01	.08	.06	.04	.00	.00	.00
All other leather	.01	.01	.01	.08	.06	.05	.00	.00	.00
Transportation, other public util	6.01	6.99	6.30	5.77	5.76	4.48	2.45	2.00	2.42
Transportation,total	5.43	6.41	5.46	5.55	5.53	4.28	2.45	2.00	2.42
Railroads and railway express	.13	.09	.08	.47	.32	.16	1.27	.86	.80
Local and interurban transit	.12	.12	.17	.04	.03	.07	.93	.89	1.42
Street railways and bus lines	.12	.12	.17	.04	.03	.07	.93	.89	1.42
Trucking and warehousing	4.91	5.89	4.85	3.00	3.15	2.56	.14	.09	.00
Trucking services	4.71	5.67	4.53	1.29	1.48	1.16	.14	.09	.00
Warehousing and storage	.20	.21	.31	1.71	1.66	1.40	.00	.00	.00
Water transportation	.05	.05	.06	1.79	1.71	1.03	.00	.00	.00
Air transportation	.12	.13	.15	.06	.06	.05	.00	.00	.00
Pipelines	.01	.01	.01	.00	.00	.00	.00	.00	.00
Transportation services	.06	.09	.13	.16	.25	.39	.11	.14	.19
Communicatns,utils,sanitary serv	.58	.58	.83	.22	.22	.20	.00	.00	.00
Communications	.21	.24	.45	.02	.02	.04	.00	.00	.00
Telephone(wire and radio)	.18	.21	.41	.02	.02	.04	.00	.00	.00
Telegraph,misc communicatn serv	.01	.01	.00	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.01	.01	.03	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.36	.33	.37	.20	.20	.16	.00	.00	.00
Electric light and power	.03	.02	.01	.06	.05	.02	.00	.00	.00
Electric-gas utilities	.07	.06	.04	.04	.03	.03	.00	.00	.00
Gas steam supply systems	.21	.18	.22	.03	.02	.02	.00	.00	.00
Water supply	.02	.02	.03	.02	.02	.02	.00	.00	.00
Sanitary services	.02	.03	.04	.04	.05	.05	.00	.00	.00
Wholesale and retail trade	55.05	59.62	62.11	13.99	15.84	17.15	.88	.78	1.18
Wholesale trade	27.45	27.85	26.35	9.88	10.82	11.21	.88	.78	1.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Delivery and route workers			Fork lift, tow motor operatives			Rail vehicle operators, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whisle trade	17.13	17.39	16.42	6.08	6.73	6.64	.00	.00	.00
Motor vehicles and equipment	1.50	1.70	2.17	.72	.87	1.01	.00	.00	.00
Drugs, chemicals, allied product	.98	.99	1.19	.46	.47	.45	.00	.00	.00
Dry goods and apparel	.19	.18	.25	.09	.08	.09	.00	.00	.00
Food and related products	10.56	10.11	8.65	3.28	3.41	3.01	.00	.00	.00
Farm products-raw materials	.27	.37	.24	.10	.13	.06	.00	.00	.00
Electrical goods	.63	.62	.62	.42	.47	.61	.00	.00	.00
Hardware and plumbing	.61	.62	.56	.18	.21	.21	.00	.00	.00
Machinery equipment, supplies	2.36	2.76	2.71	.80	1.05	1.18	.00	.00	.00
Miscellaneous wholesale trade	10.31	10.45	9.93	3.79	4.09	4.56	.88	.78	1.18
Metals and minerals, other	.34	.29	.25	.31	.31	.38	.54	.32	.07
Petroleum products	3.16	3.35	3.93	.15	.16	.11	.26	.40	1.10
Scrap and waste material	.08	.10	.07	.29	.37	.28	.00	.00	.00
Alcoholic beverages	2.95	3.25	2.46	.39	.46	.33	.00	.00	.00
Paper and paper products	.66	.52	.49	.45	.41	.50	.00	.00	.00
Lumber, construction materials	.81	.74	.78	1.40	1.48	1.87	.08	.05	.00
Other wholesale trade	2.29	2.18	1.93	.77	.87	1.06	.00	.00	.00
Retail trade	27.60	31.77	35.75	4.11	5.01	5.93	.00	.00	.00
Building materials	2.47	2.97	3.61	1.09	1.24	.82	.00	.00	.00
Lumber, building material	2.03	2.53	2.98	1.03	1.19	.78	.00	.00	.00
Hardware and farm equipment	.44	.43	.62	.05	.04	.03	.00	.00	.00
General merchandise, total	4.95	4.96	5.96	.79	.93	1.50	.00	.00	.00
Department stores, mail order	.90	1.01	1.39	.52	.69	1.19	.00	.00	.00
Limited price stores	.06	.05	.08	.15	.13	.12	.00	.00	.00
Vending machine operators	3.12	2.92	3.59	.01	.02	.04	.00	.00	.00
Direct selling	.62	.74	.55	.03	.02	.02	.00	.00	.00
Miscellaneous merchadise store	.24	.22	.34	.07	.06	.11	.00	.00	.00
Food and dairy stores	3.66	3.91	3.47	1.52	1.93	2.62	.00	.00	.00
Grocery stores	1.81	1.81	1.63	1.47	1.85	2.52	.00	.00	.00
Dairy products	.48	.50	.25	.01	.01	.01	.00	.00	.00
Retail bakeries	.76	.88	.92	.00	.00	.00	.00	.00	.00
Food stores, cther	.60	.71	.65	.04	.06	.08	.00	.00	.00
Auto dealers, gas stations	1.85	2.35	2.54	.15	.22	.30	.00	.00	.00
Motor vehicle dealers	.50	.51	.44	.05	.06	.06	.00	.00	.00
Tire, battery, accessory dealers	.69	.98	1.25	.07	.12	.20	.00	.00	.00
Gasoline service stations	.55	.72	.67	.01	.02	.03	.00	.00	.00
Miscellaneous vehicle dealers	.09	.13	.16	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.19	.22	.24	.02	.03	.05	.00	.00	.00
Apparel, accessory, except shoes	.18	.21	.23	.01	.02	.04	.00	.00	.00
Shoe stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	3.46	3.80	4.26	.09	.11	.11	.00	.00	.00
Home furnishings	2.76	2.92	3.28	.07	.07	.07	.00	.00	.00
Household appliances, tv, radio	.69	.87	.97	.02	.03	.04	.00	.00	.00
Eating and drinking places	1.76	3.82	5.08	.04	.05	.00	.00	.00	.00
Miscellaneous retail trade	9.22	9.71	10.57	.38	.47	.51	.00	.00	.00
Drug stores	2.52	2.42	2.72	.13	.13	.13	.00	.00	.00
Liquor stores	.56	.74	.70	.04	.07	.08	.00	.00	.00
Farm, garden supply stores	.95	1.23	1.20	.10	.14	.16	.00	.00	.00
Jewelry stores	.05	.05	.01	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	3.29	2.81	3.09	.04	.03	.02	.00	.00	.00
Retail florists	1.18	1.62	1.79	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.64	.82	1.03	.05	.07	.10	.00	.00	.00
Finance, insurance and real estate	.20	.20	.25	.00	.00	.00	.04	.02	.00
Finance, total	.11	.10	.12	.00	.00	.00	.00	.00	.00
Banking	.04	.04	.03	.00	.00	.00	.00	.00	.00
Credit agencies	.00	.00	.01	.00	.00	.00	.00	.00	.00
Stock brokers, investment cos	.06	.06	.07	.00	.00	.00	.00	.00	.00
Insurance	.04	.03	.05	.00	.00	.00	.00	.00	.00
Real estate	.04	.05	.07	.00	.00	.00	.04	.02	.00
Services, total	9.73	8.63	7.49	.70	1.00	1.28	.48	.51	.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Delivery and route workers			Fork lift, tow motor operatives			Rail vehicle operators, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.03	.04	.04	.00	.00	.00
Other lodging places	.00	.00	.00	.02	.03	.04	.00	.00	.00
Other personal services	6.65	4.32	3.05	.05	.04	.02	.00	.00	.00
Laundering and cleaning	6.55	4.11	2.81	.05	.03	.01	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.09	.19	.22	.00	.01	.01	.00	.00	.00
Miscellaneous business services	1.36	1.83	1.86	.28	.46	.68	.26	.27	.00
Advertising	.07	.06	.04	.00	.00	.00	.00	.00	.00
Business management services	.03	.04	.04	.00	.00	.01	.00	.00	.00
Commercial research,development	.02	.02	.02	.00	.01	.04	.04	.03	.00
Computer programing	.02	.02	.03	.01	.01	.01	.00	.00	.00
Detective and protective serv	.07	.13	.23	.00	.00	.00	.00	.00	.00
Services to buildings	.06	.07	.07	.01	.01	.00	.00	.00	.00
Other business services	1.06	1.46	1.41	.24	.40	.60	.22	.24	.00
Automobile services	.18	.20	.16	.10	.13	.16	.00	.00	.00
Automobile repair	.07	.09	.05	.02	.04	.03	.00	.00	.00
Automobile services,exc repair	.10	.10	.10	.07	.09	.13	.00	.00	.00
Other repair services	.20	.24	.22	.03	.04	.04	.13	.10	.18
Electrical repair	.09	.08	.10	.01	.01	.01	.13	.10	.18
Other repair,exc electrical	.10	.16	.12	.01	.03	.02	.00	.00	.00
Motion pictures and theaters	.05	.03	.08	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.06	.12	.20	.03	.06	.09	.00	.00	.00
Other entertainment	.05	.12	.20	.02	.06	.08	.00	.00	.00
Medical and other health service	.51	1.08	1.19	.03	.04	.02	.00	.00	.00
Offices of physicians	.01	.01	.02	.00	.00	.00	.00	.00	.00
Hospitals	.23	.29	.67	.02	.02	.00	.00	.00	.00
Convalescent institutions	.00	.01	.02	.00	.00	.00	.00	.00	.00
Other health services	.25	.74	.47	.00	.02	.02	.00	.00	.00
Educational services	.50	.55	.43	.02	.02	.01	.00	.00	.00
Elementary and secondary school	.26	.31	.25	.01	.01	.00	.00	.00	.00
Colleges and universities	.21	.21	.15	.00	.00	.00	.00	.00	.00
Libraries	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other educational services	.01	.01	.00	.01	.01	.01	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.01	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.12	.13	.17	.06	.08	.09	.00	.00	.00
Religious organizations	.01	.01	.00	.00	.00	.00	.00	.00	.00
Welfare services	.06	.05	.06	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.04	.05	.10	.05	.07	.09	.00	.00	.00
Private househlds	.00	.01	.03	.00	.00	.00	.00	.00	.00
Other professional services	.06	.07	.05	.02	.04	.07	.09	.13	.00
Engineering and architectural	.01	.01	.01	.01	.02	.06	.00	.00	.00
Accounting and auditing	.02	.03	.02	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.02	.02	.01	.00	.01	.01	.09	.13	.00
Government,total	.18	.15	.00	2.30	2.43	2.39	.00	.00	.00
Federal public administration	.18	.15	.00	2.07	2.10	2.14	.00	.00	.00
Postal services	.00	.00	.00	.05	.07	.08	.00	.00	.00
Federal pub adm,exc post office	.18	.15	.00	2.02	2.02	2.05	.00	.00	.00
State public administration	.00	.00	.00	.12	.19	.11	.00	.00	.00
Local public administration	.00	.00	.00	.10	.13	.13	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Parking attendants			Railroad brake operators			Railroad switch operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	.09	.08	.00
Agriculture	.00	.00	.00	.00	.00	.00	.09	.08	.00
Services,except horticulture	.00	.00	.00	.00	.00	.00	.09	.08	.00
Mining	.04	.02	.00	.15	.20	.35	.07	.11	.17
Metal	.01	.00	.00	.11	.15	.32	.02	.02	.02
Crude petroleum and natural gas	.01	.01	.00	.01	.01	.00	.03	.07	.15
Nonmetallic mining and quarrying	.01	.00	.00	.03	.03	.03	.00	.00	.00
Construction	.16	.10	.00	.06	.05	.00	.05	.04	.00
General building contractors	.01	.00	.00	.00	.00	.00	.03	.03	.00
General contractors,exc building	.12	.08	.00	.06	.05	.00	.01	.01	.00
Special trade contractors	.02	.01	.00	.00	.00	.00	.00	.00	.00
Manufacturing	1.16	.90	3.93	5.39	6.81	11.66	8.64	10.59	15.06
Durable goods	.39	.35	3.53	5.07	6.42	10.96	7.81	9.51	12.81
Ordnance	.00	.00	.00	.25	.20	.48	.10	.06	.10
Lumber and wood products	.00	.00	.00	.20	.41	.43	.11	.10	.02
Logging	.00	.00	.00	.01	.02	.02	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.14	.28	.27	.02	.02	.00
Miscellaneous wood products	.00	.00	.00	.04	.10	.13	.08	.07	.02
Furniture and fixtures	.00	.00	.00	.04	.04	.00	.02	.02	.00
Stone,clay,and glass products	.08	.06	.03	.36	.61	1.24	.38	.56	.96
Glass and glass products	.03	.02	.00	.01	.01	.00	.01	.01	.00
Cement,concrete,plaster	.02	.00	.00	.21	.36	.75	.24	.37	.69
Miscellaneous nonmetallic,stone	.03	.03	.03	.13	.23	.49	.12	.17	.27
Primary metal industries	.04	.02	3.27	3.46	3.99	6.48	6.40	7.48	8.99
Blast furnaces,steel works	.00	.00	3.27	2.95	3.28	5.04	5.56	6.31	6.60
Other primary steel	.04	.02	.00	.24	.28	.39	.53	.69	1.28
Primary aluminum	.00	.00	.00	.01	.01	.00	.02	.04	.11
Other primary nonferrous	.00	.00	.00	.24	.41	1.05	.28	.43	.98
Fabricated metal products	.00	.00	.00	.25	.30	.27	.27	.42	1.03
Fabricated structural metal	.00	.00	.00	.25	.30	.27	.27	.42	1.03
Machinery except electrical	.00	.00	.00	.11	.25	.81	.01	.01	.00
Construction machines	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.09	.22	.81	.01	.01	.00
Transportation equipment	.25	.25	.22	.35	.59	1.20	.50	.84	1.69
Motor vehicles and equipment	.25	.25	.22	.12	.19	.35	.32	.52	1.00
Aircraft and parts	.00	.00	.00	.02	.01	.00	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.10	.19	.50	.02	.01	.00
Railroad equipment	.00	.00	.00	.10	.18	.35	.14	.29	.69
Professional,scientific instrs	.00	.00	.00	.01	.01	.00	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.01	.01	.00	.00	.00	.00
Nondurable goods	.77	.55	.39	.32	.39	.70	.83	1.08	2.25

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Parking attendants			Railroad brake operators			Railroad switch operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.35	.24	.11	.01	.00	.00	.20	.28	.56
Meat	.23	.15	.05	.00	.00	.00	.01	.01	.00
Dairy	.02	.01	.00	.00	.00	.00	.00	.00	.00
Canning and preserving	.00	.00	.00	.00	.00	.00	.02	.02	.00
Grain mill	.01	.00	.00	.00	.00	.00	.04	.08	.20
Beverages	.04	.04	.06	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.03	.02	.00	.01	.00	.00	.12	.16	.35
Apparel and textile products	.07	.03	.00	.00	.00	.00	.00	.00	.00
Apparel and accessories	.07	.03	.00	.00	.00	.00	.00	.00	.00
Paper and allied products	.06	.03	.00	.14	.16	.28	.17	.18	.24
Pulp, paper paperboard mills	.06	.03	.00	.14	.16	.28	.17	.18	.24
Printing and publishing	.14	.16	.27	.00	.00	.00	.00	.00	.00
Newspaper publishing, printing	.07	.12	.27	.00	.00	.00	.00	.00	.00
Other printing, exc newspapers	.06	.04	.00	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.10	.05	.00	.16	.21	.42	.29	.40	1.16
Industrial chemicals	.02	.01	.00	.13	.18	.34	.15	.23	.72
Plastics and synthetics	.01	.00	.00	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.04	.02	.00	.00	.00	.00	.08	.12	.33
Agricultural chemicals	.02	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.03	.03	.08	.04	.03	.11
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.15	.21	.28
Petroleum refining	.00	.00	.00	.00	.00	.00	.15	.21	.28
Rubber, miscellaneous plastics	.02	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.02	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	1.06	.79	.24	94.00	92.44	87.25	90.43	88.21	83.46
Transportation, total	1.03	.77	.24	93.98	92.42	87.25	89.27	86.66	81.44
Railroads and railway express	.04	.02	.00	93.93	92.35	87.18	86.83	83.20	76.21
Local and interurban transit	.21	.18	.24	.00	.00	.00	1.81	2.45	3.81
Street railways and bus lines	.13	.10	.21	.00	.00	.00	1.81	2.45	3.81
Taxicab service	.07	.08	.02	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.72	.51	.00	.03	.03	.00	.57	.88	1.10
Trucking services	.72	.51	.00	.03	.03	.00	.57	.88	1.10
Transportation services	.05	.04	.00	.01	.03	.07	.05	.12	.31
Communicatns, utils, sanitary serv	.03	.02	.00	.02	.02	.00	1.16	1.54	2.01
Communications	.03	.02	.00	.02	.02	.00	.94	1.29	1.68
Telephone (wire and radio)	.03	.02	.00	.02	.02	.00	.75	.93	1.11
Telegraph, misc communicatn serv	.00	.00	.00	.00	.00	.00	.10	.19	.00
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.08	.16	.57
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.21	.25	.32
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.21	.25	.32
Wholesale and retail trade	12.28	14.18	12.54	.05	.07	.07	.39	.56	.66
Wholesale trade	.74	.65	.35	.05	.07	.07	.39	.56	.66
Wholesale, exc misc whlsle trade	.66	.59	.35	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.24	.17	.00	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.03	.01	.00	.00	.00	.00	.00	.00	.00
Food and related products	.18	.18	.16	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.04	.05	.01	.00	.00	.00	.00	.00	.00
Electrical goods	.07	.08	.11	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.03	.04	.05	.00	.00	.00	.00	.00	.00
Machinery equipment, supplies	.04	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.08	.05	.00	.05	.07	.07	.39	.56	.66
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.17	.21	.31
Petroleum products	.04	.02	.00	.01	.01	.00	.00	.00	.00
Scrap and waste material	.02	.01	.00	.02	.05	.07	.18	.31	.34
Lumber, construction materials	.00	.00	.00	.01	.01	.00	.01	.01	.00
Other wholesale trade	.02	.01	.00	.00	.00	.00	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Parking attendants			Railroad brake operators			Railroad switch operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	11.53	13.53	12.19	.00	.00	.00	.00	.00	.00
General merchandise, total	1.43	1.74	3.20	.00	.00	.00	.00	.00	.00
Department stores, mail order	1.39	1.72	3.20	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.04	.01	.00	.00	.00	.00	.00	.00	.00
Food and dairy stores	.52	.52	.52	.00	.00	.00	.00	.00	.00
Grocery stores	.51	.51	.52	.00	.00	.00	.00	.00	.00
Food stores, other	.01	.00	.00	.00	.00	.00	.00	.00	.00
Auto dealers, gas stations	4.52	4.15	2.80	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	4.24	3.86	2.59	.00	.00	.00	.00	.00	.00
Tire, battery, accessory dealers	.12	.16	.17	.00	.00	.00	.00	.00	.00
Gasoline service stations	.11	.07	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.04	.05	.03	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.17	.13	.00	.00	.00	.00	.00	.00	.00
Apparel, accessory, except shoes	.17	.13	.00	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.09	.06	.00	.00	.00	.00	.00	.00	.00
Home furnishings	.06	.04	.00	.00	.00	.00	.00	.00	.00
Household appliances, tv, radio	.02	.02	.00	.00	.00	.00	.00	.00	.00
Eating and drinking places	4.54	6.62	5.14	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.23	.29	.50	.00	.00	.00	.00	.00	.00
Drug stores	.06	.04	.00	.00	.00	.00	.00	.00	.00
Liquor stores	.05	.05	.00	.00	.00	.00	.00	.00	.00
Jewelry stores	.03	.02	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.07	.17	.50	.00	.00	.00	.00	.00	.00
Finance, insurance and real estate	5.49	3.16	1.55	.00	.00	.00	.00	.00	.00
Finance, total	3.53	1.89	.36	.00	.00	.00	.00	.00	.00
Banking	3.10	1.49	.10	.00	.00	.00	.00	.00	.00
Credit agencies	.40	.37	.25	.00	.00	.00	.00	.00	.00
Stock brokers, investment cos	.03	.02	.00	.00	.00	.00	.00	.00	.00
Insurance	.23	.27	.52	.00	.00	.00	.00	.00	.00
Real estate	1.72	1.00	.66	.00	.00	.00	.00	.00	.00
Services, total	77.64	79.13	81.73	.01	.00	.00	.01	.01	.00
Hotels and lodging place	5.91	8.08	10.30	.00	.00	.00	.00	.00	.00
Hotels and motels	5.74	7.92	10.04	.00	.00	.00	.00	.00	.00
Other lodging places	.17	.16	.26	.00	.00	.00	.00	.00	.00
Other personal services	.66	.93	.46	.00	.00	.00	.01	.01	.00
Laundering and cleaning	.14	.13	.15	.00	.00	.00	.01	.01	.00
Beauty shops	.04	.05	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.48	.74	.31	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.85	1.18	1.41	.00	.00	.00	.00	.00	.00
Business management services	.08	.09	.08	.00	.00	.00	.00	.00	.00
Computer programing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Detective and protective serv	.18	.33	.60	.00	.00	.00	.00	.00	.00
Services to buildings	.15	.13	.00	.00	.00	.00	.00	.00	.00
Other business services	.42	.59	.72	.00	.00	.00	.00	.00	.00
Automobile services	60.05	58.16	61.24	.00	.00	.00	.00	.00	.00
Automobile repair	.72	.80	.14	.00	.00	.00	.00	.00	.00
Automobile services, exc repair	59.33	57.36	61.10	.00	.00	.00	.00	.00	.00
Other repair services	.14	.22	.13	.00	.00	.00	.00	.00	.00
Other repair, exc electrical	.14	.22	.13	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.57	.30	.34	.01	.00	.00	.00	.00	.00
Miscellaneous entertainment	3.81	4.89	4.33	.00	.00	.00	.00	.00	.00
Bowling alleys, billiards	.08	.06	.01	.00	.00	.00	.00	.00	.00
Other entertainment	3.73	4.83	4.31	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Parking attendants			Railroad brake operators			Railroad switch operators		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	1.66	1.53	.30	.00	.00	.00	.00	.00	.00
Offices of physicians	.15	.21	.30	.00	.00	.00	.00	.00	.00
Hospitals	1.34	1.04	.00	.00	.00	.00	.00	.00	.00
Convalescent institutions	.04	.04	.00	.00	.00	.00	.00	.00	.00
Other health services	.12	.23	.00	.00	.00	.00	.00	.00	.00
Legal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Educational services	3.10	3.00	2.61	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.20	.14	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	2.88	2.85	2.61	.00	.00	.00	.00	.00	.00
Other educational services	.02	.01	.00	.00	.00	.00	.00	.00	.00
Museums, art galleries, zoos	.13	.18	.19	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.69	.60	.38	.00	.00	.00	.00	.00	.00
Religious organizations	.17	.22	.30	.00	.00	.00	.00	.00	.00
Welfare services	.04	.03	.00	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.47	.34	.08	.00	.00	.00	.00	.00	.00
Other professional services	.01	.00	.00	.00	.00	.00	.00	.00	.00
Engineering and architectural	.01	.00	.00	.00	.00	.00	.00	.00	.00
Government, total	2.13	1.67	.00	.30	.38	.65	.29	.36	.63
Federal public administration	.00	.00	.00	.30	.38	.65	.29	.36	.63
Federal pub adm, exc post office	.00	.00	.00	.30	.38	.65	.29	.36	.63
State public administration	.24	.20	.00	.00	.00	.00	.00	.00	.00
Local public administration	1.89	1.46	.00	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Taxicab drivers, chauffeurs			Truck drivers			Service workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.04	.03	.05	.80	.95	.88	.08	.08	.06
Agriculture	.04	.03	.05	.74	.90	.83	.07	.07	.04
Agricultural production	.00	.00	.00	.39	.54	.45	.04	.04	.03
Services,except horticulture	.04	.03	.05	.21	.20	.22	.02	.02	.01
Horticultural services	.00	.00	.00	.14	.14	.15	.00	.00	.00
Forestry	.00	.00	.00	.03	.03	.00	.00	.00	.00
Fisheries	.00	.00	.00	.01	.02	.05	.00	.00	.00
Mining	.09	.12	.12	2.14	2.45	3.27	.08	.09	.06
Metal	.02	.02	.02	.30	.28	.44	.02	.01	.01
Coal	.00	.00	.00	.40	.52	.93	.01	.01	.01
Crude petroleum and natural gas	.06	.10	.10	.49	.73	.93	.03	.04	.02
Nonmetallic mining and quarrying	.00	.00	.00	.94	.90	.95	.02	.01	.00
Construction	.90	.78	.48	10.12	8.93	7.03	.36	.31	.26
General building contractors	.10	.09	.05	.70	.62	.54	.07	.06	.04
General contractors,exc building	.65	.50	.22	7.72	6.61	5.14	.22	.17	.14
Special trade contractors	.14	.18	.21	1.69	1.69	1.34	.05	.06	.07
Manufacturing	7.59	6.08	5.06	17.41	15.02	17.58	4.01	2.99	1.98
Durable goods	4.92	4.13	3.71	9.62	8.58	9.81	2.22	1.73	1.24
Ordnance	.12	.03	.00	.14	.04	.01	.08	.03	.02
Lumber and wood products	.05	.04	.03	1.68	1.57	1.61	.10	.08	.05
Logging	.00	.00	.00	.54	.52	.40	.00	.00	.00
Sawmill,planing and mill work	.02	.02	.02	.97	.87	.95	.07	.05	.04
Miscellaneous wood products	.02	.01	.00	.17	.17	.25	.02	.01	.01
Furniture and fixtures	.05	.04	.02	.42	.40	.54	.07	.06	.04
Stone,clay,and glass products	.22	.17	.10	2.92	2.81	3.54	.13	.09	.03
Glass and glass products	.04	.04	.04	.13	.12	.14	.04	.03	.01
Cement,concrete,plaster	.10	.05	.00	2.43	2.37	3.06	.03	.02	.00
Structural clay products	.00	.00	.00	.13	.10	.06	.01	.00	.00
Pottery and related products	.00	.00	.00	.02	.02	.04	.01	.00	.00
Miscellaneous nonmetallic,stone	.07	.06	.04	.18	.18	.22	.03	.02	.01
Primary metal industries	.53	.35	.13	.98	.71	.64	.33	.23	.17
Blast furnaces,steel works	.21	.14	.08	.35	.24	.21	.15	.09	.08
Other primary steel	.13	.09	.03	.31	.28	.32	.09	.06	.04
Primary aluminum	.05	.03	.00	.15	.09	.09	.03	.03	.02
Other primary nonferrous	.13	.06	.00	.16	.08	.01	.05	.04	.02
Fabricated metal products	.32	.21	.05	.95	.78	.97	.23	.19	.12
Cutlery and other hardware	.00	.00	.00	.05	.05	.10	.02	.02	.01
Fabricated structural metal	.10	.08	.04	.40	.44	.81	.06	.04	.02
Screw machine products	.00	.00	.00	.04	.02	.00	.01	.01	.00
Metal stamping	.00	.00	.00	.12	.07	.01	.04	.03	.02
Miscellaneous fabricated metal	.21	.12	.01	.32	.19	.03	.08	.07	.05
Machinery except electrical	.47	.36	.14	.78	.64	.46	.33	.30	.26
Engines and turbines	.05	.03	.00	.05	.03	.00	.02	.02	.01
Farm machinery and equipment	.04	.03	.00	.11	.11	.18	.02	.01	.01
Construction machines	.11	.10	.04	.17	.14	.07	.05	.05	.05
Metalworking machinery	.05	.04	.01	.09	.06	.02	.05	.05	.04
Office and accounting machines	.02	.01	.01	.01	.00	.01	.01	.00	.00
Electronic computing equipment	.01	.01	.02	.01	.01	.01	.02	.02	.02
Other machinery,exc electrical	.16	.12	.03	.32	.26	.15	.14	.13	.12
Electrical machinery	.40	.25	.04	.43	.32	.25	.33	.26	.22
Household appliances	.00	.00	.00	.08	.06	.07	.03	.02	.02
Radio, tv communications equip	.16	.09	.02	.09	.04	.02	.10	.06	.05
Other electrical machinery	.24	.15	.02	.26	.21	.15	.19	.16	.14
Transportation equipment	2.45	2.42	2.96	1.04	1.04	1.47	.42	.34	.20
Motor vehicles and equipment	2.13	2.22	2.90	.59	.65	1.06	.22	.19	.12
Aircraft and parts	.15	.09	.03	.12	.09	.07	.11	.07	.02
Ship,boat building and repair	.10	.05	.00	.12	.11	.18	.05	.03	.01
Railroad equipment	.02	.01	.00	.01	.01	.00	.00	.00	.00
Mobile dwellings	.03	.02	.00	.16	.13	.12	.02	.02	.02
Cycles,misc transportation	.00	.00	.00	.02	.02	.02	.00	.00	.00
Professional,scientific instrs	.13	.12	.15	.07	.05	.04	.08	.07	.05
Scientific instruments	.02	.01	.00	.02	.01	.00	.02	.02	.01
Optical,health serv supplies	.03	.03	.00	.01	.01	.00	.02	.02	.02
Photo equipment and supplies	.04	.06	.13	.02	.02	.03	.03	.02	.01
Watches and clock devices	.02	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.13	.10	.04	.17	.15	.22	.07	.05	.02
Nondurable goods	2.67	1.94	1.35	7.79	6.44	7.76	1.79	1.25	.74

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Taxicab drivers, chauffeurs			Truck drivers			Service workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.72	.46	.18	4.17	3.24	3.22	.59	.38	.20
Meat	.09	.05	.01	.68	.58	.54	.10	.07	.04
Dairy	.07	.03	.00	.88	.56	.39	.05	.02	.00
Canning and preserving	.09	.07	.04	.37	.34	.53	.11	.08	.06
Grain mill	.02	.01	.00	.56	.51	.68	.04	.03	.02
Bakery	.03	.02	.00	.44	.32	.31	.09	.05	.02
Confectionery	.05	.04	.05	.04	.03	.04	.03	.02	.01
Beverages	.28	.18	.04	.67	.44	.21	.06	.04	.01
Miscellaneous food preparation	.06	.03	.00	.50	.43	.48	.07	.04	.02
Tobacco manufacturing	.06	.04	.04	.04	.03	.04	.02	.01	.00
Textile mill products	.25	.21	.23	.39	.34	.63	.20	.14	.09
Knitting mills	.02	.01	.01	.04	.04	.10	.03	.02	.02
Dyeing,finishing textiles	.05	.05	.05	.03	.02	.02	.02	.01	.00
Floor coverings	.06	.06	.08	.05	.06	.17	.01	.01	.01
Yarn and fabric mills	.06	.04	.01	.20	.17	.28	.12	.08	.04
Miscellaneous textile mill	.05	.04	.06	.04	.03	.03	.01	.01	.00
Apparel and textile products	.11	.11	.16	.22	.22	.38	.16	.11	.07
Apparel and accessories	.06	.06	.11	.16	.16	.30	.14	.10	.06
Miscellaneous fabricated textile	.04	.04	.05	.06	.06	.08	.02	.01	.01
Paper and allied products	.34	.25	.19	.82	.68	1.05	.14	.09	.04
Pulp,paper paperboard mills	.09	.06	.03	.37	.29	.38	.07	.04	.02
Paperboard containers,boxes	.18	.13	.11	.34	.28	.52	.03	.02	.01
Miscellaneous paper and pulp	.05	.05	.04	.10	.10	.14	.03	.02	.01
Printing and publishing	.31	.22	.08	.43	.38	.45	.14	.10	.05
Newspaper publishing, printing	.11	.07	.01	.22	.18	.18	.05	.04	.02
Other printing,exc newspapers	.19	.15	.07	.21	.19	.27	.09	.06	.03
Chemicals and allied products	.42	.27	.17	.98	.81	1.06	.29	.21	.17
Industrial chemicals	.09	.07	.05	.36	.31	.42	.10	.07	.06
Plastics and synthetics	.01	.00	.00	.05	.04	.05	.02	.01	.01
Synthetic fibers	.03	.03	.08	.05	.05	.13	.02	.02	.01
Drugs and medicines	.05	.03	.00	.03	.02	.02	.04	.03	.01
Soaps and cosmetics	.06	.03	.00	.06	.04	.03	.03	.02	.02
Paints and varnishes	.03	.02	.02	.06	.06	.14	.01	.01	.00
Agricultural chemicals	.00	.00	.00	.18	.16	.16	.01	.01	.00
Miscellaneous chemicals	.12	.05	.00	.15	.09	.09	.03	.02	.01
Petroleum and coal products	.10	.05	.00	.34	.29	.29	.04	.03	.01
Petroleum refining	.10	.05	.00	.22	.17	.09	.03	.02	.00
Misc petroleum,coal products	.00	.00	.00	.11	.12	.20	.00	.00	.00
Rubber,miscellaneous plastics	.28	.26	.23	.32	.36	.55	.11	.11	.07
Rubber	.26	.22	.21	.18	.17	.28	.06	.05	.03
Miscellaneous plastics	.02	.03	.02	.14	.19	.27	.05	.05	.03
Leather products	.03	.02	.02	.06	.04	.05	.04	.02	.01
Leather tanning and finishing	.00	.00	.00	.01	.01	.01	.00	.00	.00
Footwear, except rubber	.01	.00	.00	.03	.02	.02	.03	.02	.01
All other leather	.01	.01	.01	.01	.01	.01	.00	.00	.00
Transportation, other public util	64.37	62.84	69.36	45.85	48.70	47.71	1.38	1.13	1.04
Transportation,total	63.40	62.11	69.10	42.44	45.24	43.13	.99	.80	.82
Railroads and railway express	.31	.13	.00	.35	.21	.14	.15	.08	.04
Local and interurban transit	60.56	60.08	67.68	.07	.08	.11	.08	.04	.07
Street railways and bus lines	5.14	3.68	5.14	.04	.03	.05	.08	.04	.06
Taxicab service	55.42	56.39	62.54	.02	.05	.06	.00	.00	.00
Trucking and warehousing	1.29	.91	.75	41.51	44.37	42.05	.07	.06	.04
Trucking services	1.21	.84	.69	40.92	43.79	41.21	.05	.04	.03
Warehousing and storage	.08	.07	.05	.59	.58	.84	.02	.01	.01
Water transportation	.23	.23	.23	.16	.17	.18	.14	.10	.03
Air transportation	.32	.19	.23	.13	.15	.23	.48	.46	.56
Pipelines	.00	.00	.00	.02	.01	.01	.00	.00	.00
Transportation services	.65	.54	.19	.17	.22	.38	.04	.04	.05
Communicatns,utils,sanitary serv	.97	.72	.25	3.40	3.46	4.57	.39	.32	.21
Communications	.20	.18	.10	.06	.06	.10	.12	.09	.05
Telephone(wire and radio)	.15	.12	.05	.06	.05	.08	.09	.07	.03
Telegraph,misc communicatn serv	.02	.03	.00	.00	.00	.01	.00	.00	.00
radio and tv broadcasting	.02	.02	.04	.00	.00	.00	.02	.01	.01
Utilities and sanitary services	.76	.53	.15	3.33	3.39	4.47	.27	.23	.15
Electric light and power	.07	.05	.01	.36	.44	.47	.08	.08	.05
Electric-gas utilities	.21	.14	.03	.25	.23	.33	.04	.03	.02
Gas steam supply systems	.00	.00	.00	.24	.21	.28	.03	.02	.01
water supply	.17	.14	.07	.18	.19	.31	.05	.04	.03
Sanitary services	.29	.19	.02	2.26	2.29	3.03	.05	.04	.02
Other utilities	.00	.00	.00	.01	.01	.03	.00	.00	.00
Wholesale and retail trade	4.76	4.52	3.95	18.02	17.67	17.50	22.54	27.49	27.17
Wholesale trade	2.05	1.72	.91	10.86	10.76	11.63	.49	.45	.33

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Taxicab drivers, chauffeurs			Truck drivers			Service workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.24	1.13	.74	5.23	5.66	7.40	.34	.32	.25
Motor vehicles and equipment	.46	.50	.44	.46	.47	.49	.03	.03	.02
Drugs,chemicals,allied product	.06	.04	.00	.43	.41	.50	.02	.02	.01
Dry goods and apparel	.18	.16	.17	.05	.05	.07	.02	.01	.01
Food and related products	.20	.13	.01	2.48	2.59	3.76	.12	.10	.08
Farm products-raw materials	.04	.05	.02	.46	.63	.53	.02	.03	.01
Electrical goods	.09	.06	.01	.22	.22	.30	.02	.02	.02
Hardware and plumbing	.04	.03	.00	.37	.39	.50	.01	.01	.01
Machinery equipment,supplies	.13	.13	.05	.73	.88	1.22	.07	.07	.05
Miscellaneous wholesale trade	.81	.59	.17	5.63	5.09	4.22	.14	.12	.08
Metals and minerals, other	.08	.04	.00	.39	.32	.35	.01	.01	.00
Petroleum products	.15	.12	.04	1.89	1.78	1.66	.02	.01	.00
Scrap and waste material	.08	.07	.02	.54	.58	.37	.01	.01	.00
Alcoholic beverages	.12	.11	.04	.62	.65	.51	.00	.00	.00
Paper and paper products	.07	.05	.03	.34	.25	.21	.01	.00	.00
Lumber,construction materials	.11	.07	.01	.93	.66	.30	.01	.01	.01
Other wholesale trade	.17	.11	.01	.90	.83	.79	.06	.05	.04
Retail trade	2.71	2.79	3.03	7.15	6.91	5.86	22.04	27.04	26.83
Building materials	.08	.06	.01	1.77	1.64	.85	.05	.04	.01
Lumber,building material	.08	.06	.01	1.58	1.48	.70	.03	.02	.00
Hardware and farm equipment	.00	.00	.00	.19	.16	.14	.01	.01	.00
General merchandise,total	.16	.16	.18	.51	.43	.33	1.32	1.08	1.09
Department stores,mail order	.10	.11	.15	.28	.24	.14	.86	.78	.76
Limited price stores	.00	.00	.00	.02	.03	.06	.27	.16	.14
Vending machine operators	.00	.00	.00	.04	.03	.01	.06	.04	.07
Direct selling	.02	.01	.01	.04	.04	.04	.01	.00	.00
Miscellaneous merchadise store	.04	.03	.01	.11	.07	.06	.11	.07	.10
Food and dairy stores	.15	.15	.12	.95	1.01	1.39	.47	.38	.31
Grocery stores	.13	.13	.11	.70	.78	1.24	.30	.23	.21
Dairy products	.00	.00	.00	.04	.04	.01	.04	.03	.01
Retail bakeries	.00	.00	.00	.07	.07	.08	.09	.07	.05
Food stores,cther	.01	.01	.00	.12	.12	.05	.03	.03	.02
Auto dealers,gas stations	1.80	1.74	1.82	.91	.95	1.03	.13	.13	.10
Motor vehicle dealers	1.61	1.53	1.60	.22	.21	.19	.09	.08	.05
Tire,battery,accessory dealsrs	.09	.09	.10	.16	.16	.15	.01	.01	.01
Gasoline service stations	.07	.09	.11	.43	.47	.59	.01	.01	.00
Miscellaneous vehicle dealers	.02	.02	.00	.08	.09	.08	.01	.02	.02
Apparel and accessory stores	.05	.06	.10	.05	.06	.10	.14	.14	.10
Apparel,accessory,except shoes	.04	.06	.09	.04	.05	.08	.12	.13	.09
Shoe stores	.00	.00	.01	.00	.00	.01	.01	.01	.01
Furniture and appliance stores	.08	.09	.11	.48	.36	.10	.08	.07	.05
Home furnishings	.06	.05	.01	.40	.28	.08	.06	.05	.04
Household appliances,tv,radio	.02	.04	.09	.08	.07	.02	.02	.02	.01
Eating and drinking places	.12	.31	.56	.22	.49	.82	19.20	24.65	24.72
Miscellaneous retail trade	.23	.18	.09	2.23	1.93	1.21	.62	.52	.43
Drug stores	.05	.04	.03	.05	.04	.03	.42	.31	.29
Liquor stores	.00	.00	.00	.07	.09	.07	.05	.03	.01
Farm,garden supply stores	.00	.00	.01	.72	.72	.30	.01	.01	.01
Jewelry stores	.00	.00	.00	.00	.00	.01	.01	.01	.00
Fuel and ice dealers	.07	.03	.00	1.17	.84	.61	.01	.00	.00
Retail florists	.03	.02	.00	.05	.06	.05	.00	.00	.00
Misc retail trade stores	.06	.06	.03	.16	.16	.11	.10	.12	.10
Finance,insurance and real estate	1.02	.96	.98	.17	.18	.24	1.68	1.54	1.36
Finance,total	.52	.43	.39	.05	.05	.05	.39	.38	.48
Banking	.21	.15	.03	.02	.01	.01	.32	.30	.40
Credit agencies	.03	.02	.04	.00	.00	.00	.03	.04	.04
Stock brokers,investment cos	.28	.25	.30	.03	.03	.03	.03	.03	.03
Insurance	.21	.19	.21	.03	.02	.03	.14	.10	.07
Real estate	.27	.33	.38	.08	.10	.15	1.14	1.05	.81
Services, total	16.69	20.13	16.59	2.68	2.59	2.74	61.66	58.01	59.82

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Taxicab drivers, chauffeurs			Truck drivers			Service workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.45	.46	.45	.04	.04	.05	5.99	6.00	7.17
Hotels and motels	.44	.46	.45	.02	.03	.03	3.86	3.79	4.55
Other lodging places	.00	.00	.00	.01	.01	.01	2.13	2.20	2.62
Other personal services	3.01	5.45	3.58	.49	.24	.06	6.08	5.22	4.41
Laundering and cleaning	.06	.03	.01	.47	.20	.03	.14	.07	.02
Beauty shops	.00	.00	.00	.00	.00	.00	4.24	3.61	3.28
Barber shops	.00	.00	.00	.00	.00	.00	1.40	1.15	.81
Shoe repair shops	.00	.00	.00	.00	.00	.00	.02	.01	.00
Dressmaking shops	.00	.00	.00	.00	.00	.01	.00	.00	.00
Misc personal services	2.94	5.41	3.56	.01	.02	.01	.26	.35	.28
Miscellaneous business services	1.13	1.07	.31	.57	.70	.73	3.37	4.51	5.99
Advertising	.06	.04	.02	.01	.01	.01	.01	.00	.00
Business management services	.05	.05	.03	.00	.00	.00	.01	.01	.01
Commercial research,development	.32	.24	.03	.01	.01	.00	.02	.02	.02
Computer programing	.01	.01	.01	.00	.00	.00	.00	.01	.01
Detective and protective serv	.17	.25	.15	.20	.33	.51	.93	1.51	1.94
Employment,temporary help	.00	.00	.00	.00	.00	.00	.08	.11	.15
Services to buildings	.04	.04	.00	.04	.05	.11	2.22	2.73	3.76
Other business services	.45	.40	.05	.29	.27	.06	.06	.08	.07
Automobile services	2.10	1.37	.87	.49	.39	.32	.03	.03	.03
Automobile repair	.12	.11	.01	.09	.12	.08	.01	.01	.00
Automobile services,exc repair	1.98	1.26	.86	.40	.26	.24	.02	.02	.02
Other repair services	.05	.06	.02	.09	.11	.10	.03	.03	.02
Electrical repair	.01	.01	.01	.02	.02	.02	.00	.00	.00
Other repair,exc electrical	.04	.05	.01	.06	.09	.07	.03	.02	.02
Motion pictures and theaters	.20	.13	.17	.04	.02	.05	.39	.22	.22
Miscellaneous entertainment	.13	.22	.20	.04	.05	.04	1.56	1.92	1.46
Bowling alleys,billardrs	.00	.00	.00	.00	.00	.00	.47	.40	.24
Other entertainment	.13	.22	.20	.04	.05	.04	1.09	1.51	1.22
Medical and other health service	4.56	5.15	6.44	.24	.30	.47	18.35	19.92	25.65
Offices of physicians	.10	.09	.04	.00	.00	.00	.76	1.05	1.43
Offices of dentists	.00	.01	.00	.00	.00	.00	.93	1.19	1.37
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.01	.04	.01
Hospitals	3.69	4.11	5.73	.18	.20	.42	12.50	12.33	12.57
Convalescent institutions	.36	.44	.53	.01	.01	.01	3.62	4.40	9.27
Other health practitioners	.00	.01	.00	.00	.00	.00	.02	.04	.07
Other health services	.38	.48	.13	.04	.07	.03	.49	.85	.90
Legal services	.05	.06	.02	.00	.00	.00	.02	.02	.01
Educational services	1.12	.97	.77	.31	.36	.52	8.57	7.91	6.27
Elementary and secondary school	.63	.58	.65	.15	.17	.13	5.83	5.60	3.93
Colleges and universities	.39	.31	.10	.12	.14	.25	2.51	2.08	2.08
Libraries	.00	.00	.00	.02	.02	.12	.01	.01	.03
Other educational services	.09	.08	.01	.01	.01	.01	.20	.20	.21
Museums,art galleries,zooz	.00	.01	.00	.00	.00	.00	.05	.07	.08
Nonprofit organizations	1.03	.91	.65	.27	.24	.29	2.56	2.73	2.86
Religious organizations	.17	.12	.02	.01	.01	.00	1.09	1.12	.97
Welfare services	.60	.49	.31	.18	.12	.09	.45	.73	.95
Residential welfare services	.05	.05	.01	.00	.00	.00	.33	.31	.48
Nonprofit membership organiztas	.20	.23	.29	.07	.09	.20	.68	.56	.45
Private householdz	2.58	3.99	3.00	.03	.05	.03	14.50	9.26	5.46
Other professional services	.22	.21	.05	.03	.04	.03	.11	.11	.13
Engineering and architectural	.07	.08	.02	.01	.02	.02	.02	.03	.02
Accounting and auditing	.04	.04	.01	.00	.00	.00	.00	.01	.00
Miscellaneous professional serv	.11	.09	.01	.01	.01	.01	.08	.07	.09
Government,total	4.49	4.51	3.37	2.77	3.47	3.01	8.18	8.33	8.21
Federal public administration	2.28	1.90	1.43	1.18	1.31	1.34	.94	.79	.83
Postal services	.05	.10	.08	.45	.66	.73	.14	.17	.15
Federal pub adm,exc post office	2.22	1.80	1.34	.73	.64	.61	.80	.62	.67
State public administration	.44	.59	.10	.18	.27	.51	1.12	1.24	1.24
Local public administration	1.77	2.02	1.83	1.40	1.88	1.14	6.10	6.29	6.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cleaning service workers			Lodgng qtrs cleaners, exc private			Bldg interior cleanr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.25	.24	.13	.17	.18	.07	.26	.25	.12
Agriculture	.22	.21	.12	.17	.18	.07	.24	.24	.12
Agricultural production	.12	.11	.04	.17	.18	.07	.17	.16	.07
Services, except horticulture	.07	.07	.05	.00	.00	.00	.05	.06	.03
Horticultural services	.02	.03	.02	.00	.00	.00	.01	.01	.01
Forestry	.02	.02	.00	.00	.00	.00	.01	.00	.00
Mining	.29	.29	.18	.00	.00	.00	.11	.10	.05
Metal	.07	.05	.04	.00	.00	.00	.02	.01	.00
Coal	.04	.04	.04	.00	.00	.00	.01	.01	.01
Crude petroleum and natural gas	.11	.14	.08	.00	.00	.00	.05	.05	.02
Nonmetallic mining and quarrying	.06	.04	.02	.00	.00	.00	.02	.01	.01
Construction	1.19	1.06	.93	.00	.00	.00	.73	.67	.64
General building contractors	.31	.27	.19	.00	.00	.00	.31	.26	.20
General contractors, exc building	.63	.50	.38	.00	.00	.00	.19	.17	.19
Special trade contractors	.24	.28	.36	.00	.00	.00	.22	.23	.25
Manufacturing	13.92	10.39	6.78	.00	.00	.00	7.74	5.23	3.06
Durable goods	7.65	6.09	4.62	.00	.00	.00	4.02	2.91	2.03
Ordnance	.18	.08	.06	.00	.00	.00	.04	.01	.01
Lumber and wood products	.28	.19	.08	.00	.00	.00	.15	.09	.04
Sawmill, planing and mill work	.20	.13	.05	.00	.00	.00	.09	.06	.02
Miscellaneous wood products	.07	.05	.02	.00	.00	.00	.04	.03	.01
Furniture and fixtures	.27	.22	.13	.00	.00	.00	.15	.10	.04
Stone, clay, and glass products	.52	.34	.10	.00	.00	.00	.28	.17	.04
Glass and glass products	.17	.11	.03	.00	.00	.00	.10	.06	.01
Cement, concrete, plaster	.14	.09	.02	.00	.00	.00	.07	.04	.01
Structural clay products	.04	.02	.00	.00	.00	.00	.02	.01	.00
Pottery and related products	.04	.03	.01	.00	.00	.00	.03	.02	.00
Miscellaneous nonmetallic, stone	.11	.08	.02	.00	.00	.00	.05	.03	.00
Primary metal industries	1.18	.81	.63	.00	.00	.00	.73	.44	.38
Blast furnaces, steel works	.53	.31	.30	.00	.00	.00	.40	.22	.22
Other primary steel	.33	.23	.14	.00	.00	.00	.16	.09	.07
Primary aluminum	.14	.12	.08	.00	.00	.00	.07	.06	.04
Other primary nonferrous	.17	.13	.10	.00	.00	.00	.08	.06	.05
Fabricated metal products	.90	.74	.53	.00	.00	.00	.45	.32	.15
Cutlery and other hardware	.09	.08	.05	.00	.00	.00	.04	.02	.01
Fabricated structural metal	.23	.17	.06	.00	.00	.00	.12	.08	.02
Screw machine products	.06	.05	.03	.00	.00	.00	.04	.03	.01
Metal stamping	.15	.13	.14	.00	.00	.00	.08	.05	.03
Miscellaneous fabricated metal	.34	.30	.23	.00	.00	.00	.15	.12	.07
Machinery except electrical	1.27	1.19	1.22	.00	.00	.00	.64	.55	.49
Engines and turbines	.07	.07	.06	.00	.00	.00	.04	.03	.03
Farm machinery and equipment	.08	.06	.03	.00	.00	.00	.03	.02	.00
Construction machines	.20	.21	.24	.00	.00	.00	.12	.11	.11
Metalworking machinery	.22	.20	.21	.00	.00	.00	.10	.09	.08
Office and accounting machines	.04	.02	.00	.00	.00	.00	.02	.01	.00
Electronic computing equipment	.07	.07	.09	.00	.00	.00	.02	.02	.02
Other machinery, exc electrical	.56	.53	.56	.00	.00	.00	.28	.24	.23
Electrical machinery	1.11	.95	.95	.00	.00	.00	.50	.40	.38
Household appliances	.13	.10	.11	.00	.00	.00	.05	.04	.03
Radio, tv communications equip	.29	.21	.17	.00	.00	.00	.12	.08	.07
Other electrical machinery	.68	.63	.66	.00	.00	.00	.32	.27	.27
Transportation equipment	1.35	1.07	.60	.00	.00	.00	.77	.56	.30
Motor vehicles and equipment	.80	.67	.32	.00	.00	.00	.48	.35	.11
Aircraft and parts	.31	.18	.05	.00	.00	.00	.12	.07	.02
Ship, boat building and repair	.11	.08	.04	.00	.00	.00	.06	.04	.01
Railroad equipment	.03	.02	.01	.00	.00	.00	.02	.02	.01
Mobile dwellings	.08	.08	.13	.00	.00	.00	.06	.06	.11
Cycles, misc transportation	.01	.02	.02	.00	.00	.00	.01	.01	.01
Professional, scientific instrs	.28	.26	.20	.00	.00	.00	.13	.12	.10
Scientific instruments	.08	.07	.05	.00	.00	.00	.02	.02	.01
Optical, health serv supplies	.09	.10	.10	.00	.00	.00	.05	.06	.05
Photo equipment and supplies	.09	.07	.04	.00	.00	.00	.03	.03	.02
Watches and clock devices	.01	.01	.00	.00	.00	.00	.01	.00	.00
Miscellaneous manufacturing	.27	.19	.09	.00	.00	.00	.14	.10	.05
Nondurable goods	6.26	4.30	2.15	.00	.00	.00	3.72	2.31	1.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cleaning service workers			Lodgng qtrs cleaners, exc private			Bldg interior cleanr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.97	1.27	.51	.00	.00	.00	1.18	.74	.34
Meat	.39	.28	.13	.00	.00	.00	.20	.14	.08
Dairy	.18	.09	.02	.00	.00	.00	.08	.04	.01
Canning and preserving	.34	.23	.09	.00	.00	.00	.13	.09	.04
Grain mill	.17	.13	.07	.00	.00	.00	.16	.12	.07
Bakery	.36	.21	.08	.00	.00	.00	.27	.15	.06
Confectionery	.10	.05	.01	.00	.00	.00	.06	.03	.01
Beverages	.21	.12	.03	.00	.00	.00	.12	.06	.01
Miscellaneous food preparation	.19	.12	.03	.00	.00	.00	.13	.08	.02
Tobacco manufacturing	.08	.04	.01	.00	.00	.00	.10	.04	.01
Textile mill products	.77	.50	.26	.00	.00	.00	.70	.41	.19
Knitting mills	.12	.08	.05	.00	.00	.00	.07	.04	.01
Dyeing,finishing textiles	.07	.04	.01	.00	.00	.00	.05	.03	.01
Floor coverings	.04	.03	.01	.00	.00	.00	.02	.01	.00
Yarn and fabric mills	.47	.30	.16	.00	.00	.00	.51	.29	.14
Miscellaneous textile mill	.06	.04	.02	.00	.00	.00	.04	.02	.01
Apparel and textile products	.55	.37	.18	.00	.00	.00	.43	.26	.07
Apparel and accessories	.47	.31	.15	.00	.00	.00	.36	.21	.06
Miscellaneous fabricated textile	.08	.06	.02	.00	.00	.00	.07	.05	.01
Paper and allied products	.54	.34	.13	.00	.00	.00	.22	.13	.04
Pulp,paper paperboard mills	.26	.16	.06	.00	.00	.00	.10	.05	.01
Paperboard containers,boxes	.14	.09	.04	.00	.00	.00	.07	.03	.01
Miscellaneous paper and pulp	.13	.09	.03	.00	.00	.00	.05	.03	.01
Printing and publishing	.58	.40	.15	.00	.00	.00	.36	.23	.07
Newspaper publishing, printing	.21	.15	.06	.00	.00	.00	.12	.07	.02
Other printing,exc newspapers	.36	.25	.09	.00	.00	.00	.24	.15	.05
Chemicals and allied products	.98	.72	.55	.00	.00	.00	.38	.27	.20
Industrial chemicals	.34	.27	.26	.00	.00	.00	.10	.07	.06
Plastics and synthetics	.08	.05	.04	.00	.00	.00	.01	.01	.01
Synthetic fibers	.09	.06	.03	.00	.00	.00	.03	.02	.00
Drugs and medicines	.13	.10	.03	.00	.00	.00	.07	.05	.02
Soaps and cosmetics	.11	.08	.07	.00	.00	.00	.07	.05	.05
Paints and varnishes	.05	.03	.01	.00	.00	.00	.02	.01	.00
Agricultural chemicals	.05	.04	.03	.00	.00	.00	.02	.01	.01
Miscellaneous chemicals	.10	.06	.05	.00	.00	.00	.03	.02	.02
Petroleum and coal products	.13	.09	.03	.00	.00	.00	.05	.03	.01
Petroleum refining	.10	.07	.02	.00	.00	.00	.04	.02	.00
Misc petroleum,ccal products	.03	.02	.01	.00	.00	.00	.01	.00	.00
Rubber,miscellaneous plastics	.47	.43	.26	.00	.00	.00	.18	.13	.04
Rubber	.25	.19	.13	.00	.00	.00	.11	.07	.02
Miscellaneous plastics	.22	.24	.12	.00	.00	.00	.07	.06	.01
Leather products	.15	.09	.04	.00	.00	.00	.07	.04	.02
Leatner tanning and finishing	.02	.01	.00	.00	.00	.00	.01	.00	.00
Footwear, except rubber	.10	.06	.03	.00	.00	.00	.04	.02	.01
All other leather	.03	.02	.01	.00	.00	.00	.02	.01	.00
Transportation, other public util	2.84	2.22	1.60	.05	.03	.01	2.00	1.34	.90
Transportation,total	1.25	.91	.82	.05	.03	.01	1.24	.77	.57
Railroads and railway express	.26	.15	.08	.02	.01	.01	.38	.21	.09
Local and interurban transit	.20	.11	.20	.00	.00	.00	.28	.13	.19
Street railways and bus lines	.19	.10	.20	.00	.00	.00	.28	.13	.19
Trucking and warehousing	.25	.19	.12	.00	.00	.00	.18	.13	.06
Trucking services	.19	.15	.09	.00	.00	.00	.14	.11	.06
Warehousing and storage	.06	.04	.02	.00	.00	.00	.03	.02	.00
Water transportation	.11	.07	.01	.02	.01	.00	.10	.05	.01
Air transportation	.35	.31	.31	.00	.00	.00	.23	.16	.13
Pipelines	.01	.00	.00	.00	.00	.00	.00	.00	.00
Transportation services	.04	.06	.07	.00	.00	.00	.05	.06	.07
Communicatns,utils,sanitary serv	1.59	1.30	.78	.00	.00	.00	.76	.57	.32
Communications	.46	.34	.18	.00	.00	.00	.38	.27	.16
Telephone(wire and radio)	.36	.26	.09	.00	.00	.00	.29	.20	.09
Telegraph,misc communicatn serv	.02	.02	.01	.00	.00	.00	.01	.01	.00
Radio and tv broadcasting	.07	.05	.07	.00	.00	.00	.06	.05	.06
Utilities and sanitary services	1.13	.96	.60	.00	.00	.00	.38	.29	.16
Electric light and power	.35	.35	.22	.00	.00	.00	.12	.11	.06
electric-gas utilities	.16	.12	.09	.00	.00	.00	.08	.06	.05
Gas steam supply systems	.17	.12	.07	.00	.00	.00	.05	.03	.01
Water supply	.22	.19	.13	.00	.00	.00	.03	.02	.01
Sanitary services	.21	.16	.06	.00	.00	.00	.08	.05	.02
Wholesale and retail trade	8.58	9.50	7.33	2.52	2.77	1.25	9.49	9.77	6.53
Wholesale trade	1.67	1.54	1.14	.03	.03	.03	1.29	1.08	.69

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cleaning service workers			Lodging qtrs cleaners, exc private			Bldg inter- ior cleanr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.16	1.11	.83	.00	.00	.00	.89	.74	.44
Motor vehicles and equipment	.13	.13	.10	.00	.00	.00	.10	.09	.05
Drugs,chemicals,allied product	.09	.08	.05	.00	.00	.00	.07	.05	.02
Dry goods and apparel	.05	.04	.04	.00	.00	.00	.08	.06	.05
Food and related products	.34	.31	.24	.00	.00	.00	.25	.18	.06
Farm products-raw materials	.06	.07	.03	.00	.00	.00	.06	.06	.02
Electrical goods	.10	.09	.09	.00	.00	.00	.07	.06	.05
Hardware and plumbing	.06	.05	.04	.00	.00	.00	.03	.03	.02
Machinery equipment,supplies	.29	.31	.21	.00	.00	.00	.18	.18	.13
Miscellaneous wholesale trade	.50	.43	.31	.03	.03	.03	.40	.33	.25
Metals and minerals, other	.06	.05	.03	.00	.00	.00	.03	.02	.02
Petroleum products	.07	.05	.01	.00	.00	.00	.03	.02	.00
Scrap and waste material	.02	.03	.01	.00	.00	.00	.02	.02	.01
Alcoholic beverages	.03	.03	.01	.00	.00	.00	.02	.02	.01
Paper and paper products	.04	.03	.02	.00	.00	.00	.03	.02	.02
Lumber,construction materials	.06	.05	.04	.00	.00	.00	.05	.04	.04
Other wholesale trade	.19	.17	.14	.03	.03	.03	.19	.16	.13
Retail trade	6.91	7.95	6.19	2.48	2.73	1.22	8.20	8.69	5.83
Building materials	.22	.18	.06	.00	.00	.00	.27	.21	.08
Lumber,building material	.14	.12	.03	.00	.00	.00	.17	.14	.05
Hardware and farm equipment	.08	.06	.02	.00	.00	.00	.10	.07	.03
General merchandise,total	1.53	1.42	1.29	.00	.00	.00	1.66	1.43	1.20
Department stores,mail order	1.16	1.14	1.02	.00	.00	.00	1.31	1.19	1.01
Limited price stores	.15	.10	.04	.00	.00	.00	.15	.09	.03
Vending machine operators	.02	.02	.02	.00	.00	.00	.02	.01	.02
Direct selling	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.18	.14	.18	.00	.00	.00	.16	.12	.12
Food and dairy stores	.74	.77	.77	.00	.00	.00	.89	.85	.74
Grocery stores	.54	.55	.59	.00	.00	.00	.64	.59	.55
Dairy products	.01	.01	.01	.00	.00	.00	.01	.01	.01
Retail bakeries	.12	.13	.11	.00	.00	.00	.16	.15	.11
Food stores,cther	.05	.06	.05	.00	.00	.00	.07	.07	.06
Auto dealers,gas stations	.59	.59	.43	.00	.00	.00	.49	.49	.37
Motor vehicle dealers	.41	.38	.24	.00	.00	.00	.30	.27	.16
Tire,battery,accessory dealsr	.04	.05	.04	.00	.00	.00	.02	.03	.03
Gasoline service stations	.05	.04	.01	.00	.00	.00	.04	.03	.01
Miscellaneous vehicle dealers	.08	.11	.12	.00	.00	.00	.12	.15	.17
Apparel and accessory stores	.41	.41	.26	.00	.00	.00	.59	.54	.33
Apparel,accessory,except shoes	.37	.37	.23	.00	.00	.00	.53	.48	.29
Shoe stores	.04	.04	.03	.00	.00	.00	.06	.05	.04
Furniture and appliance stores	.37	.35	.22	.00	.00	.00	.65	.56	.35
Home furnishings	.28	.26	.18	.00	.00	.00	.54	.45	.30
Household appliances,tv,radio	.08	.08	.04	.00	.00	.00	.10	.10	.05
Eating and drinking places	2.39	3.59	2.67	2.42	2.68	1.18	2.75	3.81	2.15
Miscellaneous retail trade	.63	.62	.46	.06	.05	.04	.85	.78	.58
Drug stores	.22	.18	.14	.00	.00	.00	.25	.19	.13
Liquor stores	.05	.05	.02	.00	.00	.00	.06	.06	.02
Farm,garden supply stores	.05	.05	.04	.00	.00	.00	.06	.07	.05
Jewelry stores	.06	.06	.02	.00	.00	.00	.11	.10	.04
Fuel and ice dealers	.04	.02	.00	.00	.00	.00	.04	.02	.00
Retail florists	.03	.02	.00	.00	.00	.00	.06	.04	.00
Misc retail trade stores	.17	.20	.23	.06	.05	.04	.24	.27	.31
Finance,insurance and real estate	6.41	5.94	5.31	.84	.48	.15	5.78	4.87	3.79
Finance,total	1.23	1.19	1.48	.00	.00	.00	1.20	1.07	1.20
Banking	1.00	.94	1.18	.00	.00	.00	.96	.84	.93
Credit agencies	.16	.18	.23	.00	.00	.00	.17	.17	.22
Stock brokers,investment cos	.07	.06	.06	.00	.00	.00	.06	.05	.04
Insurance	.51	.38	.26	.00	.00	.00	.60	.44	.36
Real estate	4.66	4.36	3.57	.84	.48	.15	3.96	3.36	2.23
Services, total	61.32	65.29	73.28	95.76	96.10	98.16	71.60	75.69	82.79

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Cleaning service workers			Lodgng qtrs cleaners, exc private			Bldg inter- ior cleanr, other		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	10.47	9.76	11.97	65.59	71.57	71.13	6.37	7.33	7.95
Hotels and motels	9.65	9.07	10.96	63.42	69.88	69.26	5.52	6.63	7.09
Other lodging places	.82	.68	1.00	2.17	1.68	1.86	.85	.70	.85
Other personal services	1.13	1.36	.77	.84	1.08	.73	1.32	1.49	.57
Laundering and cleaning	.63	.34	.13	.00	.00	.00	.55	.27	.09
Beauty shops	.19	.35	.37	.66	.80	.56	.26	.41	.20
Barber shops	.03	.22	.01	.01	.06	.01	.02	.13	.01
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.01	.00
Dressmaking shops	.00	.00	.00	.01	.01	.00	.00	.00	.00
Misc personal services	.26	.42	.24	.14	.20	.15	.47	.66	.27
Miscellaneous business services	12.36	15.29	21.74	1.28	1.35	2.22	31.79	34.17	39.75
Advertising	.04	.03	.01	.00	.00	.00	.05	.03	.01
Business management services	.05	.05	.05	.00	.00	.00	.05	.06	.07
Commercial research,development	.07	.07	.07	.00	.00	.00	.04	.05	.07
Computer programing	.02	.03	.03	.00	.00	.00	.01	.01	.01
Detective and protective serv	.04	.06	.05	.00	.00	.00	.02	.03	.03
Employment,temporary help	.37	.52	.76	.56	.58	.59	.64	.86	1.20
Services to buildings	11.56	14.26	20.49	.68	.73	1.55	30.79	32.90	38.11
Other business services	.18	.24	.25	.03	.04	.07	.17	.21	.22
Automobile services	.14	.16	.13	.00	.00	.00	.15	.16	.13
Automobile repair	.04	.06	.03	.00	.00	.00	.02	.03	.01
Automobile services,exc repair	.09	.09	.09	.00	.00	.00	.13	.12	.11
Other repair services	.08	.11	.10	.00	.00	.00	.05	.07	.05
Electrical repair	.01	.01	.01	.00	.00	.00	.01	.00	.00
Other repair,exc electrical	.06	.10	.08	.00	.00	.00	.04	.06	.04
Motion pictures and theaters	.45	.26	.25	.06	.02	.00	.41	.20	.17
Miscellaneous entertainment	1.29	1.79	1.35	.34	.33	.11	1.20	1.48	.72
Bowling alleys,billiards	.42	.43	.25	.06	.03	.00	.38	.35	.17
Other entertainment	.86	1.35	1.09	.28	.30	.11	.81	1.13	.55
Medical and other health service	11.78	12.87	18.38	12.61	10.03	13.54	21.08	21.56	25.51
Offices of physicians	.89	1.05	1.35	.59	.55	.58	1.69	1.86	2.10
Offices of dentists	.19	.30	.33	.13	.21	.33	.37	.52	.46
Offices of chiropractors	.01	.05	.01	.00	.02	.01	.03	.12	.02
Hospitals	8.66	8.51	9.57	9.73	6.69	4.27	15.49	14.24	13.25
Convalescent institutions	1.78	2.49	6.69	2.03	2.31	8.09	3.23	4.35	9.29
Other health practitioners	.02	.03	.05	.00	.00	.00	.03	.05	.05
Other health services	.21	.40	.36	.09	.22	.24	.20	.39	.31
Legal services	.06	.05	.03	.04	.03	.01	.11	.09	.04
Educational services	17.53	17.12	12.29	12.43	9.70	8.72	4.99	4.99	4.13
Elementary and secondary school	12.08	12.20	7.63	6.14	5.38	4.90	2.75	2.94	2.07
Colleges and universities	5.06	4.51	4.16	6.22	4.25	3.73	2.02	1.81	1.75
Libraries	.07	.07	.17	.00	.00	.00	.04	.04	.07
Other educational services	.30	.33	.32	.07	.06	.08	.18	.20	.23
Museums,art galleries,zoos	.08	.12	.16	.00	.00	.00	.06	.08	.11
Nonprofit organizations	5.63	6.06	5.72	2.38	1.85	1.56	3.83	3.81	3.39
Religious organizations	3.92	4.44	3.89	1.43	1.13	.69	2.41	2.53	1.98
Welfare services	.58	.51	.73	.38	.24	.27	.48	.41	.55
Residential welfare services	.11	.13	.33	.25	.22	.32	.10	.13	.36
Nonprofit membership organiztns	1.00	.96	.75	.30	.25	.27	.83	.73	.49
Other professional services	.26	.31	.35	.15	.10	.09	.17	.20	.20
Engineering and architectural	.08	.12	.13	.00	.00	.00	.06	.08	.09
Accounting and auditing	.03	.03	.03	.00	.00	.00	.03	.03	.02
Miscellaneous professional serv	.14	.15	.19	.15	.10	.09	.07	.07	.08
Government,total	5.15	5.02	4.41	.63	.42	.32	2.26	2.03	2.08
Federal public administration	1.96	1.78	1.64	.27	.19	.25	.88	.75	.61
Postal services	.68	.78	.71	.00	.00	.00	.19	.22	.09
Federal pub adm,exc post office	1.28	.99	.93	.27	.19	.25	.68	.52	.52
State public administration	.74	.75	.71	.12	.08	.01	.41	.41	.62
Local public administration	2.44	2.49	2.04	.23	.15	.05	.96	.87	.85

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Janitors and sextons			Food service workers			Bartenders		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.26	.25	.15	.05	.06	.04	.00	.00	.00
Agriculture	.21	.20	.13	.04	.05	.02	.00	.00	.00
Agricultural production	.09	.06	.02	.03	.04	.02	.00	.00	.00
Services,except horticulture	.09	.09	.07	.00	.00	.00	.00	.00	.00
Horticultural services	.03	.04	.03	.00	.00	.00	.00	.00	.00
Forestry	.03	.03	.00	.00	.00	.00	.00	.00	.00
Fisheries	.01	.01	.01	.00	.00	.01	.00	.00	.00
Mining	.44	.45	.33	.03	.03	.02	.00	.00	.00
Metal	.11	.09	.07	.00	.00	.00	.00	.00	.00
Coal	.06	.07	.07	.00	.00	.00	.00	.00	.00
Crude petroleum and natural gas	.17	.21	.14	.02	.02	.02	.00	.00	.00
Nonmetallic mining and quarrying	.09	.07	.04	.00	.00	.00	.00	.00	.00
Construction	1.65	1.45	1.34	.04	.02	.01	.00	.00	.00
General building contractors	.37	.31	.21	.00	.00	.00	.00	.00	.00
General contractors,exc building	.98	.78	.61	.02	.01	.00	.00	.00	.00
Special trade contractors	.30	.35	.52	.01	.00	.00	.00	.00	.00
Manufacturing	19.74	14.99	11.03	1.00	.58	.47	.07	.04	.02
Durable goods	10.98	8.88	7.56	.38	.23	.19	.00	.00	.00
Ordnance	.29	.13	.11	.01	.00	.00	.00	.00	.00
Lumber and wood products	.41	.28	.13	.00	.00	.00	.00	.00	.00
Logging	.01	.00	.00	.00	.00	.00	.00	.00	.00
Sawmill,planing and mill work	.29	.19	.09	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.10	.07	.03	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.39	.32	.22	.01	.00	.01	.00	.00	.00
Stone,clay,and glass products	.73	.50	.16	.01	.00	.00	.00	.00	.00
Glass and glass products	.24	.16	.05	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.20	.14	.04	.00	.00	.00	.00	.00	.00
Structural clay products	.06	.03	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.05	.04	.01	.00	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.16	.12	.04	.00	.00	.00	.00	.00	.00
Primary metal industries	1.64	1.15	.95	.03	.01	.01	.00	.00	.00
Blast furnaces,steel works	.69	.41	.42	.02	.00	.00	.00	.00	.00
Other primary steel	.48	.35	.23	.00	.00	.00	.00	.00	.00
Primary aluminum	.20	.18	.12	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.26	.20	.16	.00	.00	.00	.00	.00	.00
Fabricated metal products	1.30	1.11	.93	.02	.01	.01	.00	.00	.00
Cutlery and other hardware	.14	.12	.10	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.32	.25	.11	.00	.00	.00	.00	.00	.00
Screw machine products	.08	.07	.06	.00	.00	.00	.00	.00	.00
Metal stamping	.22	.20	.25	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.50	.44	.40	.01	.00	.00	.00	.00	.00
Machinery except electrical	1.83	1.74	2.04	.06	.04	.03	.00	.00	.00
Engines and turbines	.11	.11	.10	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.13	.10	.06	.00	.00	.00	.00	.00	.00
Construction machines	.28	.30	.40	.00	.00	.00	.00	.00	.00
Metalworking machinery	.32	.30	.35	.01	.00	.00	.00	.00	.00
Office and accounting machines	.05	.02	.01	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.10	.11	.15	.01	.00	.00	.00	.00	.00
Other machinery,exc electrical	.81	.78	.94	.01	.01	.01	.00	.00	.00
Electrical machinery	1.63	1.42	1.58	.09	.05	.05	.00	.00	.00
Household appliances	.19	.15	.19	.00	.00	.00	.00	.00	.00
Radio,tv communications equip	.43	.32	.28	.03	.01	.01	.00	.00	.00
Other electrical machinery	1.00	.94	1.10	.05	.03	.03	.00	.00	.00
Transportation equipment	1.91	1.53	.95	.08	.05	.03	.00	.00	.00
Motor vehicles and equipment	1.12	.96	.55	.03	.02	.01	.00	.00	.00
Aircraft and parts	.47	.27	.09	.03	.01	.01	.00	.00	.00
Ship,boat building and repair	.15	.12	.07	.01	.00	.00	.00	.00	.00
Railroad equipment	.03	.03	.02	.00	.00	.00	.00	.00	.00
Mobile dwellings	.10	.10	.17	.00	.00	.00	.00	.00	.00
Cycles,misc transportation	.02	.02	.03	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.42	.38	.32	.02	.01	.01	.00	.00	.00
Scientific instruments	.13	.11	.10	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.12	.14	.15	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.14	.11	.06	.01	.00	.00	.00	.00	.00
Watches and clock devices	.02	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.39	.28	.13	.01	.00	.00	.00	.00	.00
Nondurable goods	8.76	6.11	3.46	.63	.35	.28	.07	.04	.02

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Janitors and sextons			Food service workers			Bartenders		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.75	1.78	.74	.40	.21	.17	.04	.02	.02
Meat	.55	.40	.20	.05	.02	.01	.00	.00	.00
Dairy	.27	.14	.04	.04	.01	.00	.00	.00	.00
Canning and preserving	.51	.35	.15	.11	.06	.07	.00	.00	.00
Grain mill	.21	.16	.09	.01	.00	.00	.00	.00	.00
Bakery	.47	.28	.11	.07	.02	.01	.00	.00	.00
Confectionery	.14	.08	.02	.03	.02	.01	.00	.00	.00
Beverages	.30	.18	.06	.01	.01	.00	.04	.02	.01
Miscellaneous food preparation	.27	.17	.05	.06	.03	.02	.00	.00	.00
Tobacco manufacturing	.09	.04	.01	.00	.00	.00	.00	.00	.00
Textile mill products	.94	.62	.38	.02	.01	.01	.00	.00	.00
Knitting mills	.17	.11	.08	.00	.00	.00	.00	.00	.00
Dyeing,finishing textiles	.09	.05	.01	.00	.00	.00	.00	.00	.00
Floor coverings	.06	.04	.03	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.53	.34	.21	.01	.00	.00	.00	.00	.00
Miscellaneous textile mill	.08	.05	.03	.00	.00	.00	.00	.00	.00
Apparel and textile products	.71	.49	.29	.03	.02	.02	.02	.01	.00
Apparel and accessories	.61	.42	.26	.03	.01	.01	.02	.01	.00
Miscellaneous fabricated textile	.10	.07	.03	.00	.00	.00	.00	.00	.00
Paper and allied products	.81	.52	.23	.02	.01	.01	.00	.00	.00
Pulp,paper paperboard mills	.40	.24	.10	.01	.00	.00	.00	.00	.00
Paperboard containers,boxes	.21	.13	.07	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.19	.14	.05	.00	.00	.00	.00	.00	.00
Printing and publishing	.80	.56	.24	.03	.02	.02	.00	.00	.00
Newspaper publishing, printing	.30	.22	.10	.01	.00	.01	.00	.00	.00
Other printing,exc newspapers	.50	.34	.13	.02	.01	.00	.00	.00	.00
Chemicals and allied products	1.47	1.10	.93	.06	.04	.03	.00	.00	.00
Industrial chemicals	.53	.42	.46	.01	.01	.01	.00	.00	.00
Plastics and synthetics	.13	.09	.07	.00	.00	.00	.00	.00	.00
Synthetic fibers	.14	.09	.06	.01	.00	.00	.00	.00	.00
Drugs and medicines	.19	.14	.05	.02	.01	.00	.00	.00	.00
Soaps and cosmetics	.14	.11	.10	.00	.00	.00	.00	.00	.00
Paints and varnishes	.07	.05	.03	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.08	.06	.04	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.16	.09	.09	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.21	.15	.05	.01	.00	.00	.00	.00	.00
Petroleum refining	.16	.11	.03	.01	.00	.00	.00	.00	.00
Misc petroleum,coal products	.04	.03	.01	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.71	.67	.49	.01	.01	.00	.00	.00	.00
Rubber	.37	.29	.25	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.34	.38	.24	.00	.00	.00	.00	.00	.00
Leather products	.22	.13	.07	.00	.00	.00	.00	.00	.00
Leather tanning and finishing	.02	.01	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.15	.09	.05	.00	.00	.00	.00	.00	.00
All other leather	.04	.02	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	3.80	3.06	2.46	.59	.32	.20	.14	.08	.07
Transportation,total	1.47	1.12	1.17	.51	.28	.18	.14	.08	.07
Railroads and railway express	.24	.12	.09	.11	.04	.02	.07	.03	.02
Local and interurban transit	.19	.10	.24	.03	.02	.02	.00	.00	.00
Street railways and bus lines	.19	.10	.24	.02	.01	.01	.00	.00	.00
Taxicab service	.00	.00	.00	.00	.01	.00	.00	.00	.00
Trucking and warehousing	.34	.26	.18	.01	.00	.00	.00	.00	.00
Trucking services	.24	.19	.14	.01	.00	.00	.00	.00	.00
Warehousing and storage	.09	.06	.04	.00	.00	.00	.00	.00	.00
Water transportation	.13	.08	.02	.21	.12	.05	.03	.01	.00
Air transportation	.48	.44	.52	.13	.07	.06	.02	.02	.03
Pipelines	.01	.01	.00	.00	.00	.00	.00	.00	.00
Transportation services	.05	.07	.09	.01	.01	.00	.00	.00	.00
Communicatns,utils,sanitary serv	2.33	1.94	1.29	.07	.04	.02	.00	.00	.00
Communications	.59	.42	.23	.05	.02	.01	.00	.00	.00
Telephone(wire and radio)	.47	.33	.11	.05	.02	.01	.00	.00	.00
Telegraph,misc communicatn serv	.03	.02	.01	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.08	.06	.09	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.73	1.51	1.06	.02	.01	.01	.00	.00	.00
Electric light and power	.53	.55	.39	.01	.00	.00	.00	.00	.00
Electric-gas utilities	.23	.18	.14	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.26	.19	.13	.00	.00	.00	.00	.00	.00
Water supply	.36	.31	.25	.00	.00	.00	.00	.00	.00
Sanitary services	.32	.25	.11	.00	.00	.00	.00	.00	.00
Other utilities	.01	.01	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	9.22	10.24	9.13	67.99	74.75	73.80	83.33	85.98	87.10
Wholesale trade	2.16	2.04	1.70	.23	.16	.15	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Janitors and sextons			Food service workers			Bartenders		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.52	1.49	1.29	.20	.14	.13	.00	.00	.00
Motor vehicles and equipment	.17	.17	.16	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.12	.10	.08	.00	.00	.00	.00	.00	.00
Dry goods and apparel	.05	.04	.03	.00	.00	.00	.00	.00	.00
Food and related products	.46	.43	.44	.12	.08	.08	.00	.00	.00
Farm products-raw materials	.07	.09	.03	.01	.01	.00	.00	.00	.00
Electrical goods	.13	.12	.14	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.08	.08	.06	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.41	.43	.31	.02	.02	.02	.00	.00	.00
Miscellaneous wholesale trade	.64	.54	.40	.02	.01	.01	.01	.00	.00
Metals and minerals, other	.08	.07	.06	.00	.00	.00	.00	.00	.00
Petroleum products	.11	.08	.02	.00	.00	.00	.00	.00	.00
Scrap and waste material	.03	.03	.02	.00	.00	.00	.00	.00	.00
Alcoholic beverages	.03	.03	.02	.00	.00	.00	.00	.00	.00
Paper and paper products	.06	.04	.03	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.07	.06	.06	.00	.00	.00	.00	.00	.00
Other wholesale trade	.22	.20	.17	.01	.00	.00	.00	.00	.00
<b>Retail trade</b>	<b>7.06</b>	<b>8.20</b>	<b>7.43</b>	<b>67.76</b>	<b>74.59</b>	<b>73.64</b>	<b>83.32</b>	<b>85.97</b>	<b>87.09</b>
Building materials	.24	.18	.06	.00	.00	.00	.00	.00	.00
Lumber,building material	.15	.12	.03	.00	.00	.00	.00	.00	.00
Hardware and farm equipment	.09	.06	.02	.00	.00	.00	.00	.00	.00
General merchandise,total	1.74	1.60	1.60	2.27	1.35	1.46	.10	.05	.05
Department stores,mail order	1.29	1.27	1.22	1.09	.69	.72	.04	.03	.04
Limited price stores	.17	.11	.05	.78	.42	.38	.00	.00	.00
Vending machine operators	.02	.02	.03	.19	.13	.21	.00	.00	.00
Direct selling	.02	.01	.01	.02	.02	.01	.00	.00	.00
Miscellaneous merchadise store	.22	.18	.26	.17	.08	.13	.05	.02	.00
Food and dairy stores	.80	.83	.94	1.02	.63	.43	.08	.05	.03
Grocery stores	.58	.60	.73	.57	.33	.25	.07	.03	.03
Dairy products	.02	.02	.01	.13	.09	.04	.00	.00	.00
Retail bakeries	.13	.14	.14	.23	.14	.10	.01	.00	.00
Food stores,cther	.06	.06	.06	.08	.06	.03	.00	.00	.00
Auto dealers,gas stations	.75	.74	.55	.03	.02	.02	.00	.00	.00
Motor vehicle dealers	.54	.50	.36	.01	.00	.00	.00	.00	.00
Tire,battery,accessory dealrns	.05	.06	.05	.00	.00	.00	.00	.00	.00
Gasoline service stations	.06	.05	.02	.01	.01	.01	.00	.00	.00
Miscellaneous vehicle dealers	.08	.10	.11	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.39	.38	.26	.04	.03	.03	.00	.00	.00
Apparel,accessory,except shoes	.35	.34	.23	.04	.03	.03	.00	.00	.00
Shoe stores	.04	.04	.02	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.29	.26	.17	.02	.01	.02	.00	.00	.00
Home furnishings	.20	.18	.12	.01	.01	.01	.00	.00	.00
Household appliances,tv,radio	.09	.08	.04	.00	.00	.00	.00	.00	.00
Eating and drinking places	2.20	3.58	3.37	62.92	71.60	70.85	81.46	85.05	86.85
Miscellaneous retail trade	.62	.59	.45	1.44	.92	.81	1.66	.80	.14
Drug stores	.24	.20	.17	1.24	.80	.75	.00	.00	.00
Liquor stores	.06	.05	.02	.13	.07	.01	1.63	.78	.11
Farm,garden supply stores	.05	.06	.04	.00	.00	.00	.00	.00	.00
Jewelry stores	.04	.03	.00	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.04	.02	.00	.00	.00	.00	.00	.00	.00
Retail florists	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.16	.18	.20	.04	.03	.03	.01	.01	.02
<b>Finance,insurance and real estate</b>	<b>7.77</b>	<b>7.34</b>	<b>7.50</b>	<b>.27</b>	<b>.16</b>	<b>.13</b>	<b>.03</b>	<b>.02</b>	<b>.04</b>
Finance,total	1.48	1.43	1.98	.09	.05	.06	.00	.00	.00
Banking	1.20	1.14	1.60	.08	.04	.05	.00	.00	.00
Credit agencies	.19	.21	.28	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.08	.07	.09	.00	.00	.00	.00	.00	.00
Insurance	.56	.40	.23	.08	.04	.02	.00	.00	.00
Real estate	5.72	5.51	5.28	.09	.06	.04	.02	.02	.04
<b>Services, total</b>	<b>49.58</b>	<b>54.68</b>	<b>60.97</b>	<b>29.37</b>	<b>23.63</b>	<b>24.96</b>	<b>16.32</b>	<b>13.81</b>	<b>12.69</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Janitors and sextons			Food service workers			Bartenders		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	2.47	2.90	3.89	5.48	4.80	6.01	6.74	5.55	6.95
Hotels and motels	1.91	2.37	2.93	5.12	4.53	5.59	6.58	5.45	6.84
Other lodging places	.56	.53	.96	.36	.27	.42	.16	.09	.11
Other personal services	1.08	1.32	.93	.05	.03	.01	.00	.00	.01
Laundering and cleaning	.79	.43	.19	.04	.01	.00	.00	.00	.00
Beauty shops	.06	.26	.48	.00	.00	.00	.00	.00	.00
Barber shops	.04	.30	.01	.00	.00	.00	.00	.00	.00
Shoe repair shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.17	.30	.23	.00	.01	.01	.00	.00	.01
Miscellaneous business services	4.20	5.46	11.13	.01	.01	.02	.00	.00	.00
Advertising	.05	.03	.02	.00	.00	.00	.00	.00	.00
Business management services	.06	.06	.05	.00	.00	.00	.00	.00	.00
Commercial research,development	.10	.10	.09	.00	.00	.00	.00	.00	.00
Computer programing	.04	.04	.05	.00	.00	.00	.00	.00	.00
Detective and protective serv	.06	.08	.07	.00	.00	.00	.00	.00	.00
Employment,temporary help	.20	.30	.43	.00	.00	.00	.00	.00	.00
Services to buildings	3.45	4.52	10.07	.00	.00	.00	.00	.00	.00
Other business services	.21	.29	.31	.00	.00	.01	.00	.00	.00
Automobile services	.16	.18	.15	.00	.00	.00	.00	.00	.00
Automobile repair	.07	.09	.04	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.09	.09	.10	.00	.00	.00	.00	.00	.00
Other repair services	.11	.15	.15	.00	.00	.00	.01	.01	.00
Electrical repair	.02	.02	.03	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.08	.13	.12	.00	.00	.00	.01	.01	.00
Motion pictures and theaters	.54	.32	.36	.17	.08	.12	.09	.04	.07
Miscellaneous entertainment	1.51	2.17	2.08	2.27	2.41	1.90	5.07	5.13	3.02
Bowling alleys,billardards	.50	.54	.37	.56	.41	.25	1.36	.95	.44
Other entertainment	1.00	1.63	1.71	1.70	1.99	1.65	3.71	4.18	2.58
Medical and other health service	6.74	7.85	13.62	7.34	5.70	8.39	.09	.05	.00
Offices of physicians	.53	.62	.90	.00	.00	.00	.00	.00	.00
Offices of dentists	.11	.17	.22	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.00	.02	.00	.00	.00	.00	.00	.00	.00
Hospitals	4.86	5.20	7.65	5.22	3.67	3.69	.08	.04	.00
Convalescent institutions	.97	1.37	4.35	2.07	1.96	4.63	.01	.01	.00
Other health practitioners	.01	.03	.06	.00	.00	.00	.00	.00	.00
Other health services	.23	.42	.41	.04	.07	.06	.00	.00	.00
Legal services	.05	.03	.02	.00	.00	.00	.00	.00	.00
Educational services	25.06	25.65	19.47	12.27	9.40	7.55	.11	.06	.01
Elementary and secondary school	18.09	18.86	12.58	8.55	6.85	4.95	.10	.05	.00
Colleges and universities	6.45	6.22	6.17	3.50	2.38	2.44	.00	.00	.00
Libraries	.10	.11	.28	.00	.00	.00	.00	.00	.00
Other educational services	.41	.44	.43	.21	.16	.15	.00	.01	.01
Museums,art galleries,zoos	.11	.16	.24	.01	.01	.01	.00	.00	.00
Nonprofit organizations	7.17	8.02	8.36	1.69	1.12	.87	4.16	2.92	2.59
Religious organizations	5.17	6.07	6.02	.34	.24	.13	.00	.00	.00
Welfare services	.67	.62	.96	.11	.06	.06	.00	.00	.00
Residential welfare services	.09	.12	.31	.09	.08	.15	.00	.00	.00
Nonprofit membership organiztns	1.23	1.20	1.04	1.13	.73	.52	4.16	2.92	2.59
Other professional services	.33	.40	.52	.03	.02	.02	.01	.00	.00
Engineering and architectural	.11	.15	.18	.00	.00	.00	.00	.00	.00
Accounting and auditing	.03	.04	.04	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.18	.20	.30	.02	.01	.02	.00	.00	.00
Government,total	7.50	7.50	7.03	.62	.41	.33	.08	.05	.05
Federal public administration	2.84	2.64	2.73	.37	.21	.13	.08	.05	.05
Postal services	1.06	1.24	1.33	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	1.78	1.40	1.39	.37	.21	.13	.08	.05	.05
State public administration	1.02	1.05	.92	.10	.09	.10	.00	.00	.00
Local public administration	3.63	3.80	3.37	.13	.10	.09	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Waiters' assistants			Cooks, exc private households			Dishwashers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.16	.18	.10	.01	.01	.00
Agriculture	.00	.00	.00	.12	.14	.07	.01	.00	.00
Agricultural production	.00	.00	.00	.10	.13	.07	.00	.00	.00
Services,except horticulture	.00	.00	.00	.01	.00	.00	.00	.00	.00
Forestry	.00	.00	.00	.01	.00	.00	.00	.00	.00
Fisheries	.00	.00	.00	.02	.03	.03	.00	.00	.00
Mining	.00	.00	.00	.08	.06	.04	.01	.01	.01
Crude petroleum and natural gas	.00	.00	.00	.06	.06	.04	.00	.01	.01
Construction	.02	.01	.00	.06	.04	.02	.04	.02	.00
General building contractors	.00	.00	.00	.00	.00	.00	.01	.00	.00
General contractors,exc building	.01	.00	.00	.05	.03	.02	.02	.01	.00
Manufacturing	.39	.21	.17	1.46	.84	.74	.98	.54	.35
Durable goods	.18	.10	.05	.38	.21	.12	.38	.25	.22
Ordnance	.02	.01	.01	.01	.00	.00	.02	.00	.00
Lumber and wood products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Furniture and fixtures	.01	.00	.00	.01	.00	.00	.01	.01	.01
Stone,clay,and glass products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Primary metal industries	.01	.00	.00	.03	.01	.01	.06	.03	.02
Blast furnaces,steel works	.00	.00	.00	.01	.00	.00	.05	.02	.02
Fabricated metal products	.00	.00	.00	.02	.01	.01	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.01	.00	.00	.00	.00	.00
Machinery except electrical	.01	.01	.00	.06	.03	.01	.05	.04	.05
Construction machines	.00	.00	.00	.00	.00	.00	.01	.01	.01
Metalworking machinery	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.01	.01	.00	.02	.02	.03
Electrical machinery	.05	.02	.00	.08	.03	.00	.09	.05	.04
Radio, tv communications equip	.01	.00	.00	.02	.01	.00	.03	.02	.01
Other electrical machinery	.03	.01	.00	.04	.02	.00	.05	.03	.02
Transportation equipment	.04	.02	.00	.09	.05	.03	.04	.03	.04
Motor vehicles and equipment	.02	.01	.00	.03	.02	.02	.02	.02	.02
Aircraft and parts	.01	.00	.00	.03	.01	.00	.02	.01	.01
Ship,boat building and repair	.00	.00	.00	.01	.00	.00	.00	.00	.00
Professional,scientific instrs	.02	.02	.03	.02	.01	.01	.05	.03	.01
Scientific instruments	.00	.00	.00	.00	.00	.00	.02	.01	.00
Optical,health serv supplies	.00	.01	.02	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.01	.00	.01	.01	.00	.00	.02	.01	.00
Miscellaneous manufacturing	.00	.00	.00	.01	.00	.00	.01	.01	.01
Nondurable goods	.21	.11	.11	1.07	.63	.62	.60	.28	.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Waiters' assistants			Cooks, exc private households			Dishwashers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.07	.04	.03	.77	.46	.48	.45	.19	.06
Meat	.00	.00	.00	.09	.05	.05	.03	.01	.00
Dairy	.02	.01	.01	.03	.01	.01	.05	.01	.00
Canning and preserving	.00	.00	.00	.30	.19	.25	.06	.03	.02
Grain mill	.00	.00	.00	.02	.01	.01	.00	.00	.00
Bakery	.00	.00	.00	.07	.04	.02	.20	.07	.01
Confectionery	.00	.00	.00	.08	.04	.04	.02	.00	.00
Beverages	.00	.00	.00	.02	.01	.00	.01	.00	.00
Miscellaneous food preparation	.02	.01	.01	.12	.07	.07	.04	.02	.00
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.01	.00	.00
Textile mill products	.00	.00	.00	.03	.01	.01	.01	.00	.00
Knitting mills	.00	.00	.00	.01	.00	.01	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.01	.00	.00	.00	.00	.00
Apparel and textile products	.07	.04	.07	.04	.02	.03	.01	.00	.00
Apparel and accessories	.07	.04	.07	.04	.02	.03	.01	.00	.00
Paper and allied products	.00	.00	.00	.05	.02	.01	.02	.01	.01
Pulp,paper paperboard mills	.00	.00	.00	.03	.01	.00	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.01	.00	.00
Printing and publishing	.03	.01	.00	.03	.02	.02	.02	.01	.01
Newspaper publishing, printing	.00	.00	.00	.01	.00	.00	.01	.01	.01
Other printing,exc newspapers	.03	.01	.00	.02	.01	.01	.01	.00	.00
Chemicals and allied products	.01	.00	.00	.08	.04	.02	.04	.03	.02
Industrial chemicals	.00	.00	.00	.02	.01	.00	.01	.01	.01
Synthetic fibers	.00	.00	.00	.01	.01	.01	.00	.00	.00
Drugs and medicines	.00	.00	.00	.01	.01	.00	.01	.00	.00
Petroleum and coal products	.00	.00	.00	.01	.01	.00	.01	.00	.00
Petroleum refining	.00	.00	.00	.01	.01	.00	.01	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.01	.01	.00	.00	.00	.00
Leather products	.00	.00	.00	.01	.00	.00	.01	.00	.00
All other leather	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	.31	.19	.22	.99	.54	.28	.37	.20	.12
Transportation,total	.28	.16	.20	.89	.49	.27	.31	.16	.06
Railroads and railway express	.04	.02	.03	.17	.06	.03	.07	.02	.00
Local and interurban transit	.07	.03	.06	.03	.01	.01	.03	.01	.02
Street railways and bus lines	.07	.03	.06	.03	.01	.01	.03	.01	.02
Trucking and warehousing	.00	.00	.00	.02	.01	.01	.00	.00	.00
Trucking services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Water transportation	.03	.02	.01	.52	.31	.15	.04	.03	.00
Air transportation	.11	.07	.07	.11	.07	.04	.12	.06	.01
Transportation services	.00	.01	.01	.02	.01	.00	.02	.01	.01
Communicatns,utils,sanitary serv	.03	.02	.02	.10	.05	.01	.06	.04	.05
Communications	.01	.00	.00	.06	.03	.00	.02	.02	.04
Telephone(wire and radio)	.01	.00	.00	.05	.02	.00	.02	.02	.04
Utilities and sanitary services	.02	.01	.02	.03	.01	.00	.03	.02	.01
Electric light and power	.00	.00	.00	.01	.01	.00	.01	.01	.01
Electric-gas utilities	.01	.01	.02	.01	.00	.00	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.01	.00	.00
Wholesale and retail trade	72.34	77.43	73.87	60.03	71.11	77.16	61.82	69.67	61.24
Wholesale trade	.08	.06	.09	.31	.22	.19	.21	.14	.09
Wholesale,exc misc whlsle trade	.06	.05	.09	.26	.19	.17	.19	.13	.09
Motor vehicles and equipment	.00	.00	.00	.01	.00	.01	.01	.01	.01
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.01	.01	.00
Food and related products	.04	.04	.09	.16	.11	.11	.13	.08	.07
Farm products-raw materials	.00	.00	.00	.03	.02	.01	.01	.01	.00
Electrical goods	.01	.00	.00	.01	.00	.00	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.03	.02	.03	.01	.01	.00
Miscellaneous wholesale trade	.02	.01	.00	.05	.03	.01	.02	.01	.00
Metals and minerals, other	.00	.00	.00	.01	.00	.00	.00	.00	.00
Petroleum products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other wholesale trade	.01	.00	.00	.01	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Waiters' assistants			Cooks, exc private households			Dishwashers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	72.25	77.36	73.77	59.71	70.89	76.97	61.60	69.52	61.14
General merchandise, total	2.27	1.58	3.37	1.33	.73	.42	1.91	1.32	1.85
Department stores, mail order	1.56	1.24	2.75	.63	.37	.16	1.11	.91	1.53
Limited price stores	.43	.16	.05	.37	.20	.16	.58	.25	.07
Vending machine operators	.02	.01	.01	.11	.05	.02	.06	.04	.08
Direct selling	.00	.00	.00	.03	.03	.00	.03	.03	.01
Miscellaneous merchandise store	.25	.16	.55	.17	.07	.06	.12	.07	.14
Food and dairy stores	.60	.48	.85	.99	.53	.19	.86	.67	.70
Grocery stores	.49	.37	.67	.73	.37	.12	.39	.29	.35
Dairy products	.04	.04	.06	.04	.02	.01	.04	.03	.04
Retail bakeries	.05	.05	.10	.14	.09	.05	.37	.29	.27
Food stores, other	.01	.01	.01	.07	.04	.01	.05	.04	.03
Auto dealers, gas stations	.01	.00	.00	.04	.03	.03	.02	.02	.03
Motor vehicle dealers	.00	.00	.00	.01	.00	.00	.00	.00	.00
Gasoline service stations	.01	.00	.00	.02	.02	.02	.02	.02	.03
Apparel and accessory stores	.06	.05	.07	.03	.02	.02	.05	.04	.02
Apparel, accessory, except shoes	.06	.05	.07	.02	.02	.02	.05	.04	.02
Furniture and appliance stores	.02	.02	.04	.01	.01	.01	.01	.01	.01
Home furnishings	.01	.01	.04	.01	.00	.00	.01	.01	.01
Eating and drinking places	68.91	74.98	69.08	56.70	69.20	76.06	57.90	66.96	58.22
Miscellaneous retail trade	.36	.23	.33	.59	.35	.21	.81	.48	.30
Drug stores	.32	.17	.15	.53	.30	.19	.74	.42	.25
Liquor stores	.01	.01	.01	.01	.01	.01	.00	.00	.00
Jewelry stores	.00	.00	.00	.00	.00	.00	.01	.01	.00
Misc retail trade stores	.02	.04	.16	.03	.02	.01	.05	.04	.04
Finance, insurance and real estate	.21	.12	.08	.27	.17	.12	.25	.16	.12
Finance, total	.05	.03	.00	.11	.06	.03	.05	.03	.03
Banking	.04	.02	.00	.09	.04	.02	.05	.03	.03
Credit agencies	.01	.00	.00	.00	.00	.00	.00	.00	.00
Insurance	.04	.01	.00	.06	.03	.01	.07	.04	.04
Real estate	.11	.07	.08	.09	.07	.07	.12	.08	.04
Services, total	26.37	21.79	25.22	35.73	26.23	20.92	36.10	29.12	37.94
Hotels and lodging place	14.89	11.99	13.41	4.23	3.87	4.93	7.87	6.58	5.44
Hotels and motels	14.59	11.74	12.93	3.54	3.37	4.15	7.19	6.04	4.79
Other lodging places	.30	.25	.47	.68	.49	.77	.68	.53	.64
Other personal services	.18	.10	.04	.01	.01	.01	.04	.04	.03
Laundering and cleaning	.12	.04	.02	.00	.00	.00	.01	.01	.01
Beauty shops	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc personal services	.03	.04	.02	.00	.00	.00	.02	.03	.02
Miscellaneous business services	.00	.00	.00	.01	.01	.00	.02	.02	.04
Commercial research, development	.00	.00	.00	.01	.00	.00	.02	.02	.03
Automobile services	.03	.02	.02	.00	.00	.00	.00	.00	.00
Automobile services, exc repair	.02	.01	.02	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.09	.03	.01	.13	.06	.10	.02	.01	.01
Miscellaneous entertainment	4.21	4.65	4.55	1.52	1.69	1.33	1.82	1.97	1.02
Bowling alleys, billiards	.26	.15	.05	.34	.26	.15	.19	.14	.06
Other entertainment	3.95	4.50	4.49	1.18	1.43	1.18	1.63	1.82	.96
Medical and other health service	1.10	.83	2.17	9.79	7.20	8.11	9.75	8.75	20.86
Hospitals	.85	.56	.67	6.08	3.96	2.91	6.87	5.47	8.22
Convalescent institutions	.23	.26	1.49	3.63	3.14	5.16	2.80	3.10	12.42
Other health services	.00	.00	.00	.07	.10	.04	.08	.17	.22
Educational services	4.05	3.04	4.04	17.69	11.82	5.48	14.36	10.24	9.18
Elementary and secondary school	.21	.25	.45	15.12	10.29	4.64	5.28	4.07	2.89
Colleges and universities	3.79	2.74	3.48	2.17	1.27	.72	8.88	6.03	6.17
Other educational services	.04	.04	.10	.40	.26	.11	.18	.13	.11
Museums, art galleries, zoos	.05	.06	.16	.00	.00	.00	.00	.00	.00
Nonprofit organizations	1.70	1.00	.72	2.27	1.51	.91	2.13	1.44	1.26
Religious organizations	.07	.05	.06	.96	.63	.23	.25	.22	.23
Welfare services	.01	.01	.00	.23	.11	.05	.18	.11	.22
Residential welfare services	.02	.02	.09	.20	.16	.16	.08	.09	.29
Nonprofit membership organiztns	1.58	.91	.56	.86	.58	.45	1.61	1.00	.51
Other professional services	.04	.03	.07	.03	.02	.01	.04	.03	.04
Miscellaneous professional serv	.04	.03	.07	.03	.01	.00	.04	.03	.04
Government, total	.32	.22	.41	1.19	.79	.58	.39	.23	.18
Federal public administration	.28	.17	.32	.63	.34	.09	.28	.15	.09
Federal pub adm, exc post office	.28	.17	.32	.63	.34	.09	.28	.15	.09
State public administration	.03	.03	.09	.22	.19	.24	.05	.03	.02
Local public administration	.01	.00	.00	.33	.25	.24	.05	.04	.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Food counter- er, fountain workers			Waiters			Other food srvc wkrs, exc private		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.02	.02	.03	.02	.01	.00
Agriculture	.00	.00	.00	.02	.02	.02	.02	.01	.00
Agricultural production	.00	.00	.00	.01	.01	.02	.01	.01	.00
Mining	.02	.04	.06	.00	.00	.00	.02	.03	.03
Crude petroleum and natural gas	.02	.04	.06	.00	.00	.00	.02	.02	.03
Construction	.01	.00	.00	.05	.03	.03	.02	.01	.00
General building contractors	.00	.00	.00	.01	.00	.00	.00	.00	.00
General contractors, exc building	.00	.00	.00	.02	.01	.01	.00	.00	.00
Special trade contractors	.00	.00	.00	.02	.01	.02	.00	.00	.00
Manufacturing	1.65	1.04	.86	.40	.19	.14	1.92	1.14	.77
Durable goods	.89	.57	.48	.18	.09	.07	.77	.54	.51
Ordnance	.03	.01	.00	.00	.00	.00	.02	.00	.00
Lumber and wood products	.00	.00	.00	.00	.00	.00	.00	.00	.01
Furniture and fixtures	.01	.01	.03	.00	.00	.00	.02	.01	.00
Stone, clay, and glass products	.03	.01	.00	.00	.00	.00	.01	.01	.00
Glass and glass products	.02	.01	.00	.00	.00	.00	.01	.00	.00
Primary metal industries	.04	.03	.02	.02	.01	.00	.04	.02	.02
Blast furnaces, steel works	.01	.01	.01	.02	.00	.00	.01	.01	.00
Other primary steel	.00	.00	.00	.00	.00	.00	.01	.00	.00
Primary aluminum	.01	.00	.00	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.01	.00	.00
Fabricated metal products	.04	.02	.02	.01	.00	.00	.04	.03	.03
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.01	.01	.00
Metal stamping	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous fabricated metal	.04	.02	.02	.00	.00	.00	.01	.01	.01
Machinery except electrical	.15	.10	.09	.02	.01	.01	.14	.10	.10
Construction machines	.02	.01	.01	.00	.00	.00	.01	.01	.02
Metalworking machinery	.02	.01	.01	.00	.00	.00	.02	.01	.01
Office and accounting machines	.01	.00	.00	.00	.00	.00	.02	.01	.00
Electronic computing equipment	.05	.04	.02	.00	.00	.00	.02	.01	.01
Other machinery, exc electrical	.02	.02	.03	.00	.00	.00	.04	.03	.05
Electrical machinery	.26	.17	.17	.03	.01	.00	.21	.15	.20
Household appliances	.02	.01	.02	.00	.00	.00	.01	.01	.01
Radio, tv communications equip	.09	.04	.02	.01	.00	.00	.08	.05	.06
Other electrical machinery	.14	.10	.11	.01	.00	.00	.10	.08	.12
Transportation equipment	.26	.15	.10	.03	.02	.01	.16	.10	.04
Motor vehicles and equipment	.09	.05	.02	.01	.01	.00	.07	.05	.02
Aircraft and parts	.14	.07	.05	.01	.00	.00	.06	.03	.01
Ship, boat building and repair	.02	.01	.02	.00	.00	.00	.02	.01	.01
Professional, scientific instrs	.02	.02	.01	.01	.00	.00	.06	.04	.04
Scientific instruments	.00	.00	.00	.00	.00	.00	.01	.01	.01
Optical, health serv supplies	.00	.00	.00	.00	.00	.00	.01	.01	.02
Photo equipment and supplies	.02	.01	.00	.00	.00	.00	.03	.02	.01
Miscellaneous manufacturing	.02	.01	.00	.01	.00	.00	.03	.02	.01
Nondurable goods	.76	.46	.38	.22	.09	.06	1.14	.60	.26

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Food counter, er,fountain workers			Waiters			Other food srvc wkrs, exc private		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.33	.17	.10	.12	.04	.02	.69	.33	.08
Meat	.04	.02	.01	.00	.00	.00	.12	.06	.01
Dairy	.12	.05	.02	.05	.01	.00	.02	.00	.00
Canning and preserving	.04	.03	.03	.00	.00	.00	.14	.07	.01
Bakery	.05	.02	.00	.04	.01	.00	.12	.04	.00
Confectionery	.03	.02	.01	.00	.00	.00	.04	.02	.01
Beverages	.01	.01	.01	.00	.00	.00	.04	.02	.01
Miscellaneous food preparation	.01	.00	.00	.00	.00	.00	.17	.08	.02
Tobacco manufacturing	.01	.01	.01	.00	.00	.00	.00	.00	.00
Textile mill products	.03	.02	.02	.01	.00	.00	.04	.02	.01
Knitting mills	.00	.00	.01	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.02	.01	.01	.01	.00	.00	.02	.01	.00
Apparel and textile products	.03	.02	.02	.01	.00	.00	.06	.03	.01
Apparel and accessories	.03	.02	.02	.01	.00	.00	.06	.03	.00
Paper and allied products	.03	.02	.04	.00	.00	.00	.03	.02	.00
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.02	.01	.00
Paperboard containers,boxes	.01	.01	.02	.00	.00	.00	.01	.00	.00
Miscellaneous paper and pulp	.01	.01	.00	.00	.00	.00	.00	.00	.00
Printing and publishing	.09	.06	.06	.01	.00	.00	.06	.04	.02
Newspaper publishing, printing	.02	.02	.03	.00	.00	.00	.03	.02	.01
Other printing,exc newspapers	.06	.03	.02	.00	.00	.00	.02	.01	.01
Chemicals and allied products	.15	.09	.05	.02	.01	.00	.16	.11	.10
Industrial chemicals	.02	.01	.00	.00	.00	.00	.05	.03	.05
Synthetic fibers	.02	.01	.00	.00	.00	.00	.01	.00	.00
Drugs and medicines	.05	.04	.03	.00	.00	.00	.05	.03	.01
Soaps and cosmetics	.01	.01	.00	.00	.00	.00	.01	.01	.01
Paints and varnishes	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.01	.00	.01
Petroleum and coal products	.02	.02	.03	.00	.00	.00	.01	.01	.00
Petroleum refining	.01	.01	.02	.00	.00	.00	.01	.00	.00
Misc petroleum,coal products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.02	.02	.02	.00	.00	.00	.03	.02	.01
Rubber	.01	.01	.00	.00	.00	.00	.03	.01	.00
Miscellaneous plastics	.01	.01	.01	.00	.00	.00	.00	.00	.00
Leather products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation, other public util	.32	.28	.21	.42	.19	.13	.81	.47	.29
Transportation,total	.16	.18	.16	.39	.18	.12	.65	.37	.24
Railroads and railway express	.02	.02	.03	.13	.04	.02	.03	.01	.00
Local and interurban transit	.06	.09	.07	.03	.01	.02	.00	.00	.01
Street railways and bus lines	.02	.01	.01	.03	.01	.02	.00	.00	.01
Taxicab service	.04	.08	.06	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.00	.00	.00	.00	.00	.00	.01	.00	.00
Trucking services	.00	.00	.00	.00	.00	.00	.01	.00	.00
Water transportation	.01	.01	.00	.14	.07	.02	.11	.05	.00
Air transportation	.03	.02	.03	.06	.04	.04	.48	.28	.20
Pipelines	.01	.01	.01	.00	.00	.00	.00	.00	.00
Transportation services	.00	.00	.00	.00	.00	.00	.00	.00	.01
Communicatns,utils,sanitary serv	.16	.09	.05	.03	.01	.01	.16	.09	.05
Communications	.13	.07	.03	.02	.01	.00	.11	.06	.01
Telephone(wire and radio)	.13	.07	.02	.02	.01	.00	.10	.05	.01
Utilities and sanitary services	.02	.02	.02	.00	.00	.00	.04	.03	.03
Electric light and power	.01	.01	.01	.00	.00	.00	.01	.01	.01
Electric-gas utilities	.01	.01	.00	.00	.00	.00	.01	.01	.01
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.01	.00	.00
Wholesale and retail trade	64.99	71.48	73.15	84.53	88.33	87.29	35.43	42.66	35.32
Wholesale trade	.27	.23	.28	.08	.06	.06	.56	.41	.28

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Food counter, er,fountain workers			Waiters			Other food srvc wkrs, exc private		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.24	.20	.24	.07	.05	.05	.53	.39	.26
Motor vehicles and equipment	.03	.02	.03	.00	.00	.00	.00	.00	.00
Drugs,chemicals,allied product	.03	.02	.03	.00	.00	.00	.01	.00	.00
Food and related products	.09	.08	.11	.03	.01	.02	.40	.28	.19
Farm products-raw materials	.01	.01	.00	.02	.01	.01	.00	.00	.00
Electrical goods	.02	.01	.01	.00	.00	.00	.01	.01	.01
Hardware and plumbing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.03	.02	.03	.01	.00	.00	.08	.07	.04
Miscellaneous wholesale trade	.03	.02	.03	.01	.00	.00	.03	.02	.02
Petroleum products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other wholesale trade	.02	.01	.01	.00	.00	.00	.02	.01	.01
<b>Retail trade</b>	<b>64.71</b>	<b>71.25</b>	<b>72.87</b>	<b>84.44</b>	<b>88.26</b>	<b>87.23</b>	<b>34.86</b>	<b>42.25</b>	<b>35.04</b>
General merchandise,total	4.17	2.87	3.09	2.82	1.34	.79	2.56	2.10	3.44
Department stores,mail order	1.64	1.26	1.21	1.44	.69	.22	1.04	.96	1.56
Limited price stores	1.92	1.24	1.44	1.22	.59	.55	.19	.10	.05
Vending machine operators	.15	.10	.12	.03	.01	.00	1.05	.85	1.48
Direct selling	.03	.02	.05	.00	.00	.00	.05	.04	.03
Miscellaneous merchadise store	.40	.22	.25	.11	.04	.01	.21	.13	.31
Food and dairy stores	2.02	1.50	.97	1.02	.48	.13	1.01	.87	1.04
Grocery stores	.81	.55	.36	.45	.17	.02	.76	.63	.80
Dairy products	.60	.47	.24	.17	.08	.01	.02	.02	.02
Retail bakeries	.30	.24	.18	.33	.18	.07	.14	.14	.16
Food stores,cther	.30	.23	.17	.07	.03	.01	.07	.07	.05
Auto dealers,gas stations	.02	.02	.04	.03	.02	.01	.02	.02	.02
Motor vehicle dealers	.01	.01	.02	.01	.00	.00	.01	.01	.01
Tire,battery,accessory dealers	.00	.00	.01	.00	.00	.00	.00	.00	.00
Gasoline service stations	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and accessory stores	.08	.07	.10	.04	.03	.03	.04	.03	.02
Apparel,accessory,except shoes	.07	.06	.09	.04	.02	.02	.04	.03	.01
Shoe stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.09	.07	.09	.01	.01	.00	.00	.00	.00
Home furnishings	.08	.06	.08	.01	.00	.00	.00	.00	.00
Household appliances,tv,radio	.00	.00	.01	.00	.00	.00	.00	.00	.00
Eating and drinking places	51.91	62.25	63.61	79.06	85.66	85.84	30.97	39.04	30.37
Miscellaneous retail trade	6.41	4.45	4.96	1.41	.70	.40	.22	.16	.11
Drug stores	0.28	4.33	4.84	1.27	.62	.37	.16	.10	.05
Liquor stores	.00	.01	.01	.09	.05	.02	.00	.00	.00
Jewelry stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.10	.09	.09	.04	.02	.00	.04	.04	.05
<b>Finance,insurance and real estate</b>	<b>.40</b>	<b>.25</b>	<b>.23</b>	<b>.22</b>	<b>.12</b>	<b>.08</b>	<b>.45</b>	<b>.29</b>	<b>.25</b>
Finance,total	.15	.11	.16	.07	.03	.01	.13	.11	.20
Banking	.15	.11	.16	.05	.02	.00	.12	.10	.17
Credit agencies	.00	.00	.00	.00	.00	.00	.00	.01	.02
Insurance	.20	.10	.04	.05	.02	.02	.20	.10	.03
Real estate	.03	.03	.02	.09	.06	.04	.11	.07	.02
<b>Services, total</b>	<b>32.18</b>	<b>26.57</b>	<b>25.08</b>	<b>14.05</b>	<b>10.91</b>	<b>12.09</b>	<b>60.29</b>	<b>54.74</b>	<b>63.02</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Food count- er, fountain workers			Waiters			Other food srvc wkrs, exc private		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.55	.64	1.05	6.40	5.67	8.54	4.59	4.08	3.29
Hotels and motels	.45	.53	.83	6.21	5.53	8.33	4.27	3.79	2.92
Other lodging places	.09	.10	.22	.19	.14	.20	.32	.29	.37
Other personal services	.35	.10	.02	.02	.01	.01	.02	.02	.00
Laundering and cleaning	.34	.08	.00	.01	.00	.00	.00	.00	.00
Misc personal services	.00	.01	.02	.00	.00	.00	.01	.01	.00
Miscellaneous business services	.01	.01	.02	.00	.00	.00	.05	.06	.10
Commercial research, development	.01	.01	.01	.00	.00	.00	.01	.01	.02
Computer programing	.00	.00	.01	.00	.00	.00	.01	.00	.00
Other business services	.00	.00	.00	.00	.00	.00	.03	.04	.08
Automobile services	.00	.00	.02	.00	.00	.00	.00	.00	.00
Automobile services, exc repair	.00	.00	.02	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.60	.34	.54	.16	.06	.07	.06	.02	.02
Miscellaneous entertainment	1.25	1.47	1.58	2.85	2.76	2.32	1.30	1.68	1.10
Bowling alleys, billiards	.65	.62	.55	.85	.58	.36	.09	.07	.02
Other entertainment	.60	.85	1.03	2.00	2.18	1.95	1.21	1.61	1.08
Medical and other health service	3.67	2.92	3.27	1.44	.79	.39	25.35	22.75	32.94
Hospitals	3.42	2.63	2.71	.85	.44	.21	19.81	15.80	15.36
Convalescent institutions	.22	.22	.47	.57	.33	.17	5.41	6.75	17.39
Other health services	.03	.06	.08	.01	.01	.00	.12	.19	.19
Educational services	25.37	20.79	18.33	1.86	.85	.27	27.49	24.91	24.06
Elementary and secondary school	15.95	13.69	10.62	.31	.15	.02	20.51	19.34	17.95
Colleges and universities	9.16	6.86	7.41	1.50	.67	.23	6.53	5.12	5.55
Other educational services	.25	.23	.28	.04	.02	.00	.44	.43	.55
Museums, art galleries, zoos	.02	.02	.02	.01	.00	.00	.02	.02	.04
Nonprofit organizations	.30	.23	.18	1.25	.71	.45	1.32	1.09	1.33
Religious organizations	.06	.05	.03	.06	.03	.01	.34	.32	.32
Welfare services	.06	.05	.06	.04	.01	.00	.15	.11	.17
Residential welfare services	.01	.01	.00	.03	.02	.03	.15	.19	.61
Nonprofit membership organiztns	.15	.11	.08	1.11	.63	.41	.66	.46	.22
Other professional services	.01	.01	.01	.02	.01	.00	.07	.06	.09
Accounting and auditing	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous professional serv	.00	.00	.01	.01	.00	.00	.06	.05	.08
Government, total	.39	.31	.38	.27	.17	.18	1.00	.61	.27
Federal public administration	.20	.12	.12	.22	.14	.14	.57	.32	.18
Federal pub adm, exc post office	.20	.12	.12	.22	.14	.14	.57	.32	.18
State public administration	.12	.12	.17	.01	.01	.00	.20	.14	.04
Local public administration	.06	.05	.08	.03	.02	.03	.22	.15	.04

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Health service workers			Dental assistants			Health aides, exc nursing		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.03	.02	.01	.00	.00	.00	.15	.13	.06
Agriculture	.03	.02	.01	.00	.00	.00	.15	.13	.06
Services, except horticulture	.02	.02	.01	.00	.00	.00	.15	.13	.06
Manufacturing	.10	.08	.11	.01	.01	.00	.22	.14	.08
Durable goods	.04	.03	.02	.01	.00	.00	.10	.07	.04
Stone, clay, and glass products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Miscellaneous nonmetallic, stone	.00	.00	.00	.00	.00	.00	.01	.00	.00
Primary metal industries	.01	.00	.00	.00	.00	.00	.02	.00	.00
Blast furnaces, steel works	.00	.00	.00	.00	.00	.00	.01	.00	.00
Fabricated metal products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Electrical machinery	.00	.00	.00	.00	.00	.00	.01	.00	.00
Other electrical machinery	.00	.00	.00	.00	.00	.00	.01	.00	.00
Transportation equipment	.00	.00	.00	.00	.00	.00	.01	.00	.01
Ship, boat building and repair	.00	.00	.00	.00	.00	.00	.01	.00	.01
Professional, scientific instrs	.00	.00	.00	.00	.00	.00	.04	.03	.02
Optical, health serv supplies	.00	.00	.00	.00	.00	.00	.04	.03	.02
Non-durable goods	.06	.04	.08	.00	.00	.00	.12	.07	.03
Food and kindred products	.01	.01	.01	.00	.00	.00	.03	.01	.00
Bakery	.00	.00	.00	.00	.00	.00	.02	.01	.00
Apparel and textile products	.00	.00	.01	.00	.00	.00	.01	.00	.00
Apparel and accessories	.00	.00	.01	.00	.00	.00	.01	.00	.00
Chemicals and allied products	.01	.01	.02	.00	.00	.00	.05	.03	.02
Drugs and medicines	.00	.00	.01	.00	.00	.00	.04	.03	.02
Leather products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Footwear, except rubber	.01	.00	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.02	.02	.01	.00	.00	.00	.10	.07	.03
Transportation, total	.01	.01	.00	.00	.00	.00	.03	.02	.01
Railroads and railway express	.00	.00	.00	.00	.00	.00	.01	.00	.00
Air transportation	.00	.00	.00	.00	.00	.00	.02	.02	.01
Communicatns, utils, sanitary serv	.00	.00	.00	.00	.00	.00	.06	.04	.02
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	.06	.04	.02
Water supply	.00	.00	.00	.00	.00	.00	.02	.01	.00
Sanitary services	.00	.00	.00	.00	.00	.00	.04	.03	.01
Wholesale and retail trade	.14	.14	.09	.00	.00	.00	.91	.74	.37
Wholesale trade	.01	.01	.00	.00	.00	.00	.07	.05	.02
Wholesale, exc misc whlsle trade	.01	.01	.00	.00	.00	.00	.07	.05	.02
Drugs, chemicals, allied product	.00	.00	.00	.00	.00	.00	.03	.02	.02
Food and related products	.00	.00	.00	.00	.00	.00	.01	.00	.00
Machinery equipment, supplies	.00	.00	.00	.00	.00	.00	.02	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Health service workers			Dental assistants			Health aides, exc nursing		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	.13	.13	.08	.00	.00	.00	.84	.68	.35
Food and dairy stores	.01	.01	.00	.00	.00	.00	.05	.03	.00
Grocery stores	.01	.01	.00	.00	.00	.00	.05	.02	.00
Auto dealers, gas stations	.02	.01	.01	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.02	.01	.01	.00	.00	.00	.00	.00	.00
Eating and drinking places	.03	.05	.03	.00	.00	.00	.18	.25	.13
Miscellaneous retail trade	.05	.05	.03	.00	.00	.00	.58	.39	.20
Drug stores	.04	.03	.02	.00	.00	.00	.49	.31	.13
Misc retail trade stores	.01	.01	.01	.00	.00	.00	.09	.08	.06
Services, total	99.17	99.31	99.22	99.39	99.74	99.72	97.72	98.28	99.12
Hotels and lodging place	.17	.16	.25	.00	.00	.00	.08	.10	.11
Hotels and motels	.02	.02	.03	.00	.00	.00	.03	.05	.06
Other lodging places	.15	.13	.22	.00	.00	.00	.04	.04	.04
Other personal services	.04	.08	.08	.00	.00	.00	.32	.46	.23
Beauty shops	.00	.00	.00	.00	.00	.00	.03	.05	.02
Misc personal services	.04	.07	.08	.00	.00	.00	.29	.41	.21
Miscellaneous business services	.02	.02	.04	.02	.01	.00	.06	.06	.04
Business management services	.00	.00	.00	.00	.00	.00	.01	.01	.01
Commercial research, development	.00	.00	.00	.01	.00	.00	.02	.03	.02
Services to buildings	.00	.00	.00	.00	.00	.00	.01	.01	.00
Other business services	.00	.01	.01	.00	.00	.00	.01	.01	.00
Miscellaneous entertainment	.02	.02	.02	.10	.09	.01	.02	.03	.03
Other entertainment	.01	.02	.02	.10	.09	.01	.02	.03	.03
Medical and other health service	94.31	96.23	96.07	97.77	98.78	99.33	94.88	95.50	96.88
Offices of physicians	4.18	5.48	6.20	1.86	.63	.52	29.57	30.60	27.72
Offices of dentists	6.46	7.40	6.97	91.48	93.28	93.48	1.00	1.58	1.38
Offices of chiropractors	.06	.21	.06	.00	.00	.00	.61	1.53	.38
Hospitals	62.81	58.53	46.54	2.01	1.95	2.24	55.49	48.82	51.80
Convalescent institutions	17.87	20.07	32.00	.13	.10	.11	3.05	3.71	8.92
Other health practitioners	.11	.23	.30	.01	.00	.00	1.11	1.76	1.88
Other health services	2.80	4.29	3.97	2.26	2.80	2.96	4.02	7.48	4.77
Legal services	.02	.01	.01	.18	.11	.02	.00	.00	.00
Educational services	.85	.79	.92	.87	.48	.20	1.62	1.49	1.13
Elementary and secondary school	.43	.42	.52	.15	.06	.00	.39	.40	.24
Colleges and universities	.31	.28	.30	.69	.40	.17	1.13	1.00	.82
Other educational services	.09	.09	.10	.02	.01	.02	.08	.08	.06
Nonprofit organizations	.59	.52	1.05	.16	.09	.05	.49	.41	.50
Religious organizations	.06	.05	.05	.00	.00	.00	.03	.03	.02
Welfare services	.31	.23	.29	.09	.04	.03	.29	.21	.17
Residential welfare services	.18	.20	.65	.00	.00	.00	.07	.09	.22
Nonprofit membership organiztns	.03	.03	.04	.06	.03	.00	.08	.07	.06
Private households	2.99	1.33	.59	.00	.00	.00	.00	.00	.00
Other professional services	.13	.10	.14	.26	.15	.10	.19	.17	.18
Engineering and architectural	.00	.00	.00	.00	.00	.00	.01	.02	.04
Miscellaneous professional serv	.12	.09	.13	.26	.15	.10	.18	.15	.14
Government, total	.50	.40	.52	.59	.24	.28	.87	.61	.31
Federal public administration	.16	.09	.18	.40	.15	.27	.33	.15	.02
Federal pub adm, exc post office	.16	.09	.18	.40	.15	.27	.33	.15	.02
State public administration	.19	.17	.11	.12	.06	.01	.22	.20	.12
Local public administration	.14	.13	.23	.06	.02	.00	.31	.26	.16

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Health trainees			Lay midwives			Nursing aides and orderlies		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.00	.00	.00	.00	.00	.00	.02	.01	.00
Agriculture	.00	.00	.00	.00	.00	.00	.02	.01	.00
Services, except horticulture	.00	.00	.00	.00	.00	.00	.01	.00	.00
Manufacturing	.00	.00	.00	.00	.00	.00	.12	.09	.18
Durable goods	.00	.00	.00	.00	.00	.00	.03	.02	.02
Primary metal industries	.00	.00	.00	.00	.00	.00	.01	.00	.00
Blast furnaces, steel works	.00	.00	.00	.00	.00	.00	.01	.00	.00
Nondurable goods	.00	.00	.00	.00	.00	.00	.08	.07	.16
Food and kindred products	.00	.00	.00	.00	.00	.00	.01	.01	.03
Meat	.00	.00	.00	.00	.00	.00	.00	.00	.01
Canning and preserving	.00	.00	.00	.00	.00	.00	.01	.00	.01
Textile mill products	.00	.00	.00	.00	.00	.00	.00	.00	.01
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.00	.00	.01
Apparel and textile products	.00	.00	.00	.00	.00	.00	.01	.01	.03
Apparel and accessories	.00	.00	.00	.00	.00	.00	.00	.00	.02
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.00	.00	.01
Paper and allied products	.00	.00	.00	.00	.00	.00	.00	.00	.01
Pulp, paper, paperboard mills	.00	.00	.00	.00	.00	.00	.00	.00	.01
Chemicals and allied products	.00	.00	.00	.00	.00	.00	.01	.01	.03
Industrial chemicals	.00	.00	.00	.00	.00	.00	.00	.00	.01
Drugs and medicines	.00	.00	.00	.00	.00	.00	.00	.00	.01
Rubber, miscellaneous plastics	.00	.00	.00	.00	.00	.00	.00	.00	.01
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.00	.00	.01
Leather products	.00	.00	.00	.00	.00	.00	.01	.01	.01
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.01	.00	.01
Transportation, other public util	.00	.00	.00	.00	.00	.00	.02	.01	.01
Transportation, total	.00	.00	.00	.00	.00	.00	.01	.01	.00
Local and interurban transit	.00	.00	.00	.00	.00	.00	.01	.00	.00
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.01	.00	.00
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	.08	.07	.06
Retail trade	.00	.00	.00	.00	.00	.00	.07	.06	.05
Auto dealers, gas stations	.00	.00	.00	.00	.00	.00	.03	.02	.01
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.03	.02	.01
Eating and drinking places	.00	.00	.00	.00	.00	.00	.02	.03	.03
Services, total	100.00	100.00	100.00	100.00	100.00	100.00	99.31	99.38	98.94
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.21	.20	.36
Hotels and motels	.00	.00	.00	.00	.00	.00	.01	.01	.02
Other lodging places	.00	.00	.00	.00	.00	.00	.19	.18	.34
Other personal services	.00	.00	.00	.00	.00	.00	.02	.04	.08
Misc personal services	.00	.00	.00	.00	.00	.00	.02	.03	.08
Miscellaneous business services	.00	.00	.00	.00	.00	.00	.01	.02	.04
Computer programing	.00	.00	.00	.00	.00	.00	.00	.00	.01
Other business services	.00	.00	.00	.00	.00	.00	.00	.01	.03
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	.01	.02	.03
Other entertainment	.00	.00	.00	.00	.00	.00	.01	.01	.03

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Health trainees			Lay midwives			Nursing aides and orderlies		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	100.00	100.00	100.00	100.00	100.00	100.00	95.76	96.81	95.44
Offices of physicians	.00	.00	.00	.00	.00	.00	.59	.61	.69
Offices of dentists	.00	.00	.00	.00	.00	.00	.07	.10	.06
Offices of chiropractors	.00	.00	.00	.00	.00	.00	.01	.02	.01
Hospitals	100.00	100.00	100.00	.00	.00	.00	68.76	64.18	43.69
Convalescent institutions	.00	.00	.00	.00	.00	.00	25.02	29.81	49.23
Other health services	.00	.00	.00	100.00	100.00	100.00	1.29	2.05	1.75
Legal services	.00	.00	.00	.00	.00	.00	.00	.01	.01
Educational services	.00	.00	.00	.00	.00	.00	.76	.71	1.00
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.49	.48	.71
Colleges and universities	.00	.00	.00	.00	.00	.00	.18	.13	.18
Other educational services	.00	.00	.00	.00	.00	.00	.09	.09	.10
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.68	.63	1.39
Religious organizations	.00	.00	.00	.00	.00	.00	.07	.06	.07
Welfare services	.00	.00	.00	.00	.00	.00	.34	.27	.32
Residential welfare services	.00	.00	.00	.00	.00	.00	.23	.26	.94
Nonprofit membership organizations	.00	.00	.00	.00	.00	.00	.02	.02	.05
Private households	.00	.00	.00	.00	.00	.00	1.69	.83	.39
Other professional services	.00	.00	.00	.00	.00	.00	.11	.08	.13
Miscellaneous professional services	.00	.00	.00	.00	.00	.00	.10	.08	.12
Government, total	.00	.00	.00	.00	.00	.00	.43	.40	.79
Federal public administration	.00	.00	.00	.00	.00	.00	.12	.08	.27
Federal public administration, exc post office	.00	.00	.00	.00	.00	.00	.12	.08	.27
State public administration	.00	.00	.00	.00	.00	.00	.18	.19	.13
Local public administration	.00	.00	.00	.00	.00	.00	.12	.13	.38

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Practical nurses			Personal service workers			Flight attendants		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.03	.01	.00	.02	.03	.03	.00	.00	.00
Agriculture	.03	.01	.00	.02	.03	.03	.00	.00	.00
Agricultural production	.01	.00	.00	.02	.03	.02	.00	.00	.00
Services, except horticulture	.01	.00	.00	.00	.00	.00	.00	.00	.00
Mining	.00	.00	.00	.01	.01	.02	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.01	.00	.00	.00
Construction	.01	.00	.00	.06	.06	.05	.00	.00	.00
General building contractors	.00	.00	.00	.04	.03	.02	.00	.00	.00
General contractors, exc building	.00	.00	.00	.01	.01	.00	.00	.00	.00
Special trade contractors	.00	.00	.00	.00	.01	.02	.00	.00	.00
Manufacturing	.07	.04	.03	.79	.59	.38	.12	.12	.16
Durable goods	.05	.03	.03	.26	.21	.15	.12	.12	.16
Ordnance	.00	.00	.00	.01	.00	.00	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.01	.01	.00	.00	.00	.00
Stone, clay, and glass products	.00	.00	.00	.01	.01	.00	.00	.00	.00
Primary metal industries	.01	.00	.00	.02	.01	.01	.00	.00	.00
Blast furnaces, steel works	.00	.00	.00	.01	.00	.00	.00	.00	.00
Other primary steel	.01	.00	.00	.00	.00	.00	.00	.00	.00
Fabricated metal products	.01	.01	.02	.02	.02	.01	.00	.00	.00
Fabricated structural metal	.01	.01	.01	.00	.00	.00	.00	.00	.00
Machinery except electrical	.00	.00	.00	.03	.03	.03	.00	.00	.00
Other machinery, exc electrical	.00	.00	.00	.01	.01	.01	.00	.00	.00
Electrical machinery	.00	.00	.00	.05	.04	.02	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.01	.01	.01	.00	.00	.00
Other electrical machinery	.00	.00	.00	.03	.02	.01	.00	.00	.00
Transportation equipment	.00	.00	.00	.04	.04	.02	.12	.12	.16
Motor vehicles and equipment	.00	.00	.00	.03	.02	.01	.00	.00	.00
Aircraft and parts	.00	.00	.00	.00	.00	.00	.12	.12	.16
Professional, scientific instrs	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.02	.01	.00	.00	.00	.00
Nondurable goods	.02	.01	.00	.53	.38	.23	.00	.00	.00
Food and kindred products	.00	.00	.00	.18	.12	.07	.00	.00	.00
Meat	.00	.00	.00	.03	.02	.00	.00	.00	.00
Canning and preserving	.00	.00	.00	.03	.02	.01	.00	.00	.00
Grain mill	.00	.00	.00	.02	.02	.02	.00	.00	.00
Bakery	.00	.00	.00	.01	.00	.00	.00	.00	.00
Confectionery	.00	.00	.00	.01	.01	.01	.00	.00	.00
Beverages	.00	.00	.00	.02	.01	.00	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.02	.01	.00	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Textile mill products	.00	.00	.00	.05	.04	.04	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.04	.03	.02	.00	.00	.00
Apparel and textile products	.00	.00	.00	.09	.06	.02	.00	.00	.00
Apparel and accessories	.00	.00	.00	.09	.05	.02	.00	.00	.00
Paper and allied products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Pulp, paper paperboard mills	.00	.00	.00	.01	.00	.00	.00	.00	.00
Printing and publishing	.00	.00	.00	.04	.03	.01	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other printing, exc newspapers	.00	.00	.00	.02	.01	.00	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.05	.05	.05	.00	.00	.00
Drugs and medicines	.00	.00	.00	.01	.01	.00	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.02	.02	.02	.00	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.02	.02	.01	.00	.00	.00
Rubber	.00	.00	.00	.02	.01	.00	.00	.00	.00
Leather products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.01	.01	.00	.00	.00	.00
Transportation, other public util	.01	.00	.00	3.42	3.31	4.07	98.59	98.09	98.05
Transportation, total	.01	.00	.00	3.30	3.20	4.01	98.59	98.09	98.05

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Practical nurses			Personal service workers			Flight attendants		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Railroads and railway express	.00	.00	.00	.16	.07	.03	.00	.00	.00
Local and interurban transit	.00	.00	.00	.14	.05	.08	.03	.01	.00
Street railways and bus lines	.00	.00	.00	.14	.05	.08	.03	.01	.00
Trucking and warehousing	.00	.00	.00	.05	.05	.04	.31	.26	.09
Trucking services	.00	.00	.00	.02	.02	.02	.31	.26	.09
Warehousing and storage	.00	.00	.00	.02	.02	.01	.00	.00	.00
Water transportation	.00	.00	.00	.16	.10	.02	.00	.00	.00
Air transportation	.00	.00	.00	2.64	2.76	3.59	97.77	97.32	97.71
Pipelines	.00	.00	.00	.00	.00	.00	.05	.04	.02
Transportation services	.00	.00	.00	.13	.15	.21	.41	.44	.22
Communicatns,utils,sanitary serv	.00	.00	.00	.11	.10	.06	.00	.00	.00
Communications	.00	.00	.00	.08	.07	.04	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.04	.03	.01	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.03	.03	.02	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.03	.02	.02	.00	.00	.00
Electric light and power	.00	.00	.00	.01	.01	.00	.00	.00	.00
Wholesale and retail trade	.06	.04	.02	4.19	4.94	4.20	.17	.17	.03
Wholesale trade	.00	.00	.00	.30	.30	.23	.07	.06	.03
Wholesale,exc misc whlsle trade	.00	.00	.00	.16	.15	.10	.07	.06	.03
Dry goods and apparel	.00	.00	.00	.06	.05	.03	.00	.00	.00
Food and related products	.00	.00	.00	.02	.01	.01	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.03	.04	.02	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.01	.00	.00	.03	.03	.03
Machinery equipment,supplies	.00	.00	.00	.01	.01	.01	.03	.02	.00
Miscellaneous wholesaie trade	.00	.00	.00	.13	.15	.13	.00	.00	.00
Other wholesale trade	.00	.00	.00	.11	.13	.11	.00	.00	.00
Retail trade	.06	.04	.02	3.89	4.63	3.97	.10	.11	.00
General merchandise,total	.00	.00	.00	1.68	1.84	1.86	.00	.00	.00
Department stores,mail order	.00	.00	.00	1.48	1.73	1.72	.00	.00	.00
Limited price stores	.00	.00	.00	.03	.02	.02	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.16	.08	.11	.00	.00	.00
Food and dairy stores	.02	.01	.00	.06	.05	.03	.00	.00	.00
Grocery stores	.02	.01	.00	.05	.03	.02	.00	.00	.00
Auto dealers,gas stations	.01	.01	.01	.02	.02	.02	.00	.00	.00
Motor vehicle dealers	.01	.01	.01	.00	.00	.00	.00	.00	.00
Gasoline service stations	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.01	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.28	.29	.19	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.26	.28	.17	.00	.00	.00
Shoe stores	.00	.00	.00	.02	.01	.01	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.02	.02	.01	.00	.00	.00
Home furnishings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Eating and drinking places	.01	.01	.00	1.36	1.79	1.42	.10	.11	.00
Miscellaneous retail trade	.00	.00	.00	.44	.59	.41	.00	.00	.00
Drug stores	.00	.00	.00	.02	.01	.01	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.02	.02	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.38	.55	.39	.00	.00	.00
Finance,insurance and real estate	.02	.01	.03	1.40	1.21	.68	.00	.00	.00
Finance,total	.00	.00	.00	.10	.09	.06	.00	.00	.00
Banking	.00	.00	.00	.08	.07	.05	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.01	.00	.00	.00	.00	.00
Insurance	.02	.01	.03	.06	.04	.01	.00	.00	.00
Real estate	.00	.00	.00	1.23	1.07	.60	.00	.00	.00
Services, total	99.27	99.51	99.67	88.34	87.75	88.10	1.11*	1.60	1.74

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Practical nurses			Personal service workers			Flight attendants		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.17	.15	.20	17.14	19.25	22.32	.05	.04	.00
Hotels and motels	.03	.03	.03	3.55	4.06	4.74	.05	.04	.00
Other lodging places	.14	.11	.16	13.59	15.18	17.58	.00	.00	.00
Other personal services	.00	.01	.01	43.06	38.20	33.18	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.04	.02	.01	.00	.00	.00
Beauty shops	.00	.00	.00	31.02	27.44	25.11	.00	.00	.00
Barber shops	.00	.00	.00	10.34	8.63	6.36	.00	.00	.00
Shoe repair shops	.00	.00	.00	.16	.09	.00	.00	.00	.00
Misc personal services	.00	.01	.01	1.47	2.00	1.68	.00	.00	.00
Miscellaneous business services	.02	.02	.04	.31	.32	.43	.02	.02	.00
Advertising	.00	.00	.00	.01	.01	.00	.00	.00	.00
Business management services	.00	.00	.00	.02	.02	.01	.00	.00	.00
Detective and protective serv	.01	.01	.02	.01	.01	.03	.00	.00	.00
Employment, temporary help	.00	.00	.00	.04	.05	.06	.00	.00	.00
Services to buildings	.00	.00	.00	.12	.12	.24	.00	.00	.00
Other business services	.00	.00	.01	.08	.09	.07	.02	.02	.00
Automobile services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Automobile repair	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other repair services	.00	.00	.00	.12	.04	.05	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	.12	.04	.05	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	1.79	1.09	.95	.11	.09	.20
Miscellaneous entertainment	.00	.00	.00	4.41	5.53	4.20	.39	.79	.87
Bowling alleys, billiards	.00	.00	.00	1.62	1.41	.84	.00	.00	.00
Other entertainment	.00	.00	.00	2.78	4.11	3.36	.39	.79	.87
Medical and other health service	89.52	94.59	95.86	5.12	4.92	7.68	.13	.11	.00
Offices of physicians	3.99	4.78	5.34	.05	.05	.07	.00	.00	.00
Offices of dentists	.08	.13	.13	.00	.00	.01	.00	.00	.00
Offices of chiropractors	.00	.01	.00	.00	.00	.00	.00	.00	.00
Hospitals	66.74	67.26	60.07	3.34	2.75	3.82	.13	.11	.00
Convalescent institutions	12.75	14.67	22.37	1.36	1.46	3.24	.00	.00	.00
Other health practitioners	.02	.03	.03	.01	.00	.01	.00	.00	.00
Other health services	5.90	7.67	7.89	.34	.61	.50	.00	.00	.00
Legal services	.01	.00	.01	.01	.01	.01	.08	.16	.10
Educational services	.79	.73	.86	9.56	9.50	8.61	.00	.00	.00
Elementary and secondary school	.43	.42	.47	6.62	6.93	5.53	.00	.00	.00
Colleges and universities	.23	.19	.24	2.46	2.10	2.44	.00	.00	.00
Other educational services	.12	.11	.14	.47	.45	.62	.00	.00	.00
Museums, art galleries, zoos	.00	.00	.00	.12	.15	.25	.00	.00	.00
Nonprofit organizations	.56	.48	1.02	6.49	8.52	10.18	.29	.36	.56
Religious organizations	.08	.06	.06	1.73	1.41	1.62	.00	.00	.00
Welfare services	.30	.22	.39	1.88	4.43	5.77	.00	.00	.00
Residential welfare services	.15	.17	.55	1.87	1.72	1.88	.00	.00	.00
Nonprofit membership organiztus	.02	.02	.01	1.00	.94	.89	.29	.36	.56
Private households	8.03	3.40	1.49	.00	.00	.00	.00	.00	.00
Other professional services	.11	.09	.15	.15	.16	.18	.00	.00	.00
Miscellaneous professional serv	.11	.09	.14	.15	.15	.17	.00	.00	.00
Government, total	.50	.34	.22	1.72	2.08	2.43	.00	.00	.00
Federal public administration	.12	.08	.09	.36	.36	.28	.00	.00	.00
Postal services	.00	.00	.00	.03	.03	.02	.00	.00	.00
Federal pub adm, exc post office	.12	.08	.09	.33	.33	.26	.00	.00	.00
State public administration	.21	.15	.09	.66	.72	.40	.00	.00	.00
Local public administration	.16	.10	.04	.68	.99	1.73	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Attendants, recreation, amusements			Attendants, personal serv, other			Baggage porters and bellhops		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Mining	.00	.00	.00	.02	.02	.03	.00	.00	.00
Coal	.00	.00	.00	.02	.02	.03	.00	.00	.00
Manufacturing	.04	.02	.00	5.26	3.15	1.73	.13	.12	.53
Durable goods	.00	.00	.00	1.70	1.17	.92	.13	.12	.53
Ordnance	.00	.00	.00	.19	.07	.07	.00	.00	.00
Lumber and wood products	.00	.00	.00	.02	.02	.01	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.02	.02	.01	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.03	.04	.07	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	.14	.07	.01	.00	.00	.00
Glass and glass products	.00	.00	.00	.14	.07	.01	.00	.00	.00
Primary metal industries	.00	.00	.00	.10	.06	.04	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	.10	.06	.04	.00	.00	.00
Fabricated metal products	.00	.00	.00	.06	.04	.04	.00	.00	.00
Screw machine products	.00	.00	.00	.02	.01	.01	.00	.00	.00
Metal stamping	.00	.00	.00	.03	.02	.03	.00	.00	.00
Machinery except electrical	.00	.00	.00	.15	.13	.12	.11	.09	.53
Engines and turbines	.00	.00	.00	.01	.01	.01	.11	.09	.53
Farm machinery and equipment	.00	.00	.00	.03	.02	.01	.00	.00	.00
Construction machines	.00	.00	.00	.03	.03	.04	.00	.00	.00
Office and accounting machines	.00	.00	.00	.02	.01	.00	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.04	.04	.04	.00	.00	.00
Electrical machinery	.00	.00	.00	.72	.52	.45	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.28	.19	.19	.00	.00	.00
Other electrical machinery	.00	.00	.00	.44	.32	.25	.00	.00	.00
Transportation equipment	.00	.00	.00	.19	.15	.08	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.19	.15	.08	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.07	.04	.00	.02	.02	.00
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.02	.02	.00
Photo equipment and supplies	.00	.00	.00	.07	.04	.00	.00	.00	.00
Nondurable goods	.03	.01	.00	3.55	1.98	.80	.00	.00	.00
Food and kindred products	.00	.00	.00	1.04	.50	.11	.00	.00	.00
Meat	.00	.00	.00	.14	.08	.02	.00	.00	.00
Dairy	.00	.00	.00	.05	.03	.01	.00	.00	.00
Canning and preserving	.00	.00	.00	.14	.08	.02	.00	.00	.00
Grain mill	.00	.00	.00	.03	.02	.01	.00	.00	.00
Bakery	.00	.00	.00	.12	.05	.01	.00	.00	.00
Confectionery	.00	.00	.00	.06	.03	.00	.00	.00	.00
Beverages	.00	.00	.00	.36	.14	.01	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.10	.05	.01	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.07	.03	.00	.00	.00	.00
Textile mill products	.01	.00	.00	.06	.06	.09	.00	.00	.00
Yarn and fabric mills	.01	.00	.00	.04	.04	.08	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.02	.01	.00	.00	.00	.00
Apparel and textile products	.00	.00	.00	1.35	.71	.16	.00	.00	.00
Apparel and accessories	.00	.00	.00	1.35	.71	.16	.00	.00	.00
Paper and allied products	.00	.00	.00	.16	.07	.01	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.16	.07	.01	.00	.00	.00
Printing and publishing	.00	.00	.00	.32	.21	.11	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.12	.08	.03	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.19	.13	.07	.00	.00	.00
Chemicals and allied products	.01	.00	.00	.27	.20	.21	.00	.00	.00
Industrial chemicals	.01	.00	.00	.04	.03	.04	.00	.00	.00
Synthetic fibers	.00	.00	.00	.01	.01	.02	.00	.00	.00
Drugs and medicines	.00	.00	.00	.10	.06	.01	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.08	.07	.10	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.04	.02	.02	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.02	.02	.01	.00	.00	.00
Petroleum refining	.00	.00	.00	.02	.02	.01	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.17	.12	.06	.00	.00	.00
Rubber	.00	.00	.00	.12	.07	.02	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.04	.05	.04	.00	.00	.00
Leather products	.00	.00	.00	.05	.02	.01	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.05	.02	.01	.00	.00	.00
Transportation, other public util	.82	.53	.50	5.74	4.37	4.41	22.94	11.18	13.88
Transportation,total	.78	.50	.49	4.62	3.51	3.96	22.94	11.18	13.88

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Attendants, recreation, amusements			Attendants, personal serv, other			Baggage porters and bellhops		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Railroads and railway express	.02	.01	.00	.87	.36	.14	5.57	2.42	1.62
Local and interurban transit	.33	.13	.09	.62	.24	.18	5.36	2.00	3.95
Street railways and bus lines	.33	.13	.09	.62	.24	.18	5.33	1.95	3.28
Taxicab service	.00	.00	.00	.00	.00	.00	.02	.05	.67
Trucking and warehousing	.02	.01	.00	.10	.11	.14	.36	.41	.49
Trucking services	.02	.01	.00	.10	.11	.14	.36	.41	.49
Water transportation	.08	.04	.00	.41	.21	.04	.53	.49	.33
Air transportation	.05	.03	.00	.45	.29	.17	10.98	5.74	6.56
Transportation services	.26	.26	.39	2.15	2.28	3.27	.10	.10	.90
Communicatns,utils,sanitary serv	.03	.03	.01	1.12	.86	.44	.00	.00	.00
Communications	.03	.02	.01	.81	.53	.18	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.43	.26	.07	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.02	.01	.00	.00	.00	.00
Radio and tv broadcasting	.03	.02	.01	.35	.25	.10	.00	.00	.00
Utilities and sanitary services	.00	.01	.00	.30	.32	.25	.00	.00	.00
Electric light and power	.00	.01	.00	.10	.16	.11	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.08	.06	.07	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.03	.02	.01	.00	.00	.00
Water supply	.00	.00	.00	.02	.02	.01	.00	.00	.00
Sanitary services	.00	.00	.00	.06	.05	.03	.00	.00	.00
Wholesale and retail trade	.91	1.17	.95	13.05	13.64	13.13	.41	.45	.00
Wholesale trade	.03	.02	.00	1.53	1.12	.94	.04	.02	.00
Wholesale,exc misc whlsle trade	.03	.02	.00	1.40	.98	.76	.00	.00	.00
Motor vehicles and equipment	.01	.00	.00	.04	.04	.05	.00	.00	.00
Dry goods and apparel	.00	.00	.00	1.16	.79	.60	.00	.00	.00
Food and related products	.00	.00	.00	.14	.10	.05	.00	.00	.00
Electrical goods	.00	.00	.00	.05	.04	.04	.00	.00	.00
Machinery equipment,supplies	.01	.00	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	.13	.13	.18	.04	.02	.00
Petroleum products	.00	.00	.00	.01	.02	.02	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.03	.03	.03	.00	.00	.00
Other wholesale trade	.00	.00	.00	.08	.08	.12	.04	.02	.00
Retail trade	.87	1.14	.95	11.52	12.52	12.18	.37	.42	.00
General merchandise,total	.00	.00	.00	4.21	3.88	5.73	.00	.00	.00
Department stores,mail order	.00	.00	.00	3.98	3.72	5.45	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.23	.15	.27	.00	.00	.00
Food and dairy stores	.02	.01	.00	.09	.07	.07	.00	.00	.00
Grocery stores	.01	.01	.00	.00	.00	.00	.00	.00	.00
Food stores,cther	.00	.00	.00	.08	.07	.06	.00	.00	.00
Auto dealers,gas stations	.03	.01	.00	.04	.05	.06	.00	.00	.00
Motor vehicle dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.02	.03	.04	.00	.00	.00
Gasoline service stations	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.01	.02	.01	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	1.80	1.46	.92	.02	.01	.00
Apparel,accessory,except shoes	.00	.00	.00	1.80	1.46	.92	.02	.01	.00
Furniture and appliance stores	.00	.00	.00	.04	.04	.05	.00	.00	.00
Home furnishings	.00	.00	.00	.04	.04	.05	.00	.00	.00
Eating and drinking places	.74	1.03	.82	5.15	6.78	4.96	.35	.41	.00
Miscellaneous retail trade	.06	.07	.12	.16	.21	.37	.00	.00	.00
Misc retail trade stores	.06	.07	.12	.16	.21	.37	.00	.00	.00
Finance,insurance and real estate	.46	.30	.10	8.82	6.35	3.71	.00	.00	.00
Finance,total	.00	.00	.00	.55	.46	.69	.00	.00	.00
Banking	.00	.00	.00	.55	.46	.69	.00	.00	.00
Insurance	.00	.00	.00	.48	.28	.12	.00	.00	.00
Real estate	.46	.30	.10	7.78	5.60	2.88	.00	.00	.00
Services, total	92.18	93.14	82.68	62.76	69.53	71.81	76.34	87.93	85.13

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Attendants, recreation, amusements			Attendants, personal serv, other			Baggage porters and bellhops		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	11.78	13.36	21.61	8.82	9.73	14.18	74.09	85.48	68.89
Hotels and motels	9.33	10.99	17.69	7.62	8.85	12.81	73.86	85.20	68.20
Other lodging places	2.45	2.37	3.91	1.20	.88	1.36	.23	.27	.68
Other personal services	.11	.13	.05	13.27	19.38	15.48	.18	.27	1.47
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.02	.01	.00
Beauty shops	.01	.01	.00	.44	1.24	2.16	.09	.13	.00
Barber shops	.00	.00	.00	.10	.83	.02	.00	.00	.00
Shoe repair shops	.00	.00	.00	.03	.06	.01	.00	.00	.00
Dressmaking shops	.00	.00	.00	.05	.05	.01	.00	.00	.00
Misc personal services	.09	.12	.05	12.62	17.20	13.27	.06	.12	1.47
Miscellaneous business services	.01	.01	.00	1.65	1.71	2.31	.37	.44	7.80
Advertising	.00	.00	.00	.22	.15	.09	.00	.00	.00
Business management services	.00	.00	.00	.21	.20	.20	.00	.00	.00
Commercial research,development	.00	.00	.00	.02	.02	.05	.00	.00	.00
Detective and protective serv	.00	.00	.00	.06	.07	.11	.03	.06	1.57
Services to buildings	.00	.00	.00	.80	.86	1.39	.33	.38	6.23
Other business services	.00	.00	.00	.32	.38	.45	.00	.00	.00
Automobile services	.00	.00	.00	.10	.09	.10	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.10	.09	.10	.00	.00	.00
Other repair services	.00	.00	.00	.09	.12	.09	.12	.18	1.21
Other repair,exc electrical	.00	.00	.00	.09	.12	.09	.12	.18	1.21
Motion pictures and theaters	9.69	4.43	3.18	2.47	1.03	.44	.02	.01	.00
Miscellaneous entertainment	54.13	60.29	38.87	9.15	11.31	6.36	.47	.60	3.28
Bowling alleys,billards	18.99	15.42	7.34	.22	.18	.07	.05	.05	.35
Other entertainment	35.13	44.86	31.52	8.93	11.12	6.28	.41	.55	2.92
Medical and other health service	.96	1.11	3.04	4.52	4.60	9.19	.46	.38	.00
Offices of physicians	.01	.00	.00	.15	.18	.28	.00	.00	.00
Offices of chiropractors	.00	.00	.00	.06	.15	.01	.00	.00	.00
Hospitals	.57	.56	1.15	1.91	1.42	.77	.43	.36	.00
Convalescent institutions	.31	.41	1.55	1.53	1.88	6.84	.02	.02	.00
Other health practitioners	.00	.00	.00	.18	.10	.26	.00	.00	.00
Other health services	.07	.12	.33	.67	.85	1.01	.00	.00	.00
educational services	9.38	8.85	10.73	14.64	13.76	13.67	.00	.00	.00
Elementary and secondary school	2.83	3.14	3.37	8.12	8.43	8.22	.00	.00	.00
Colleges and universities	6.47	5.63	7.28	5.80	4.60	4.08	.00	.00	.00
Libraries	.00	.00	.00	.02	.02	.04	.00	.00	.00
Other educational services	.07	.07	.07	.68	.69	1.32	.00	.00	.00
Museums,art galleries,zoos	.16	.20	.31	1.64	2.11	4.08	.00	.00	.00
Nonprofit organizations	5.78	4.61	4.76	5.90	5.14	5.37	.47	.38	2.46
Religious organizations	.00	.00	.00	.50	.47	.33	.00	.00	.00
Welfare services	1.03	.80	1.77	.90	.66	.77	.00	.00	.00
Residential welfare services	.05	.08	.26	.43	.48	.92	.00	.00	.00
Nonprofit membership organiztns	4.68	3.72	2.73	4.05	3.51	3.34	.47	.38	2.46
Other professional services	.14	.11	.09	.47	.50	.50	.13	.14	.00
Engineering and architectural	.00	.00	.00	.00	.00	.00	.13	.14	.00
Miscellaneous professional serv	.14	.11	.09	.47	.50	.50	.00	.00	.00
Government,total	5.57	4.81	15.76	4.33	2.90	5.16	.15	.30	.44
Federal public administration	.37	.25	.27	.96	.70	.86	.00	.00	.00
Federal pub adm,exc post office	.37	.25	.27	.96	.70	.86	.00	.00	.00
State public administration	1.15	.84	.82	2.09	1.34	.22	.15	.30	.44
Local public administration	4.04	3.71	14.66	1.27	.86	4.07	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Barbers			Boarding, lodging housekeepers			Bootblacks		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Manufacturing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Nondurable goods	.01	.00	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.16	.03	.02	.00	.00	.00	.00	.00	.00
Transportation, total	.16	.03	.02	.00	.00	.00	.00	.00	.00
Railroads and railway express	.02	.00	.00	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.03	.00	.00	.00	.00	.00	.00	.00	.00
Trucking services	.03	.00	.00	.00	.00	.00	.00	.00	.00
Air transportation	.10	.02	.02	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	1.05	.20	.27	.00	.00	.00	4.37	2.80	16.03
Retail trade	1.05	.20	.27	.00	.00	.00	4.37	2.80	16.03
General merchandise, total	.86	.13	.27	.00	.00	.00	.00	.00	.00
Department stores, mail order	.14	.03	.08	.00	.00	.00	.00	.00	.00
Miscellaneous merchandise store	.71	.10	.19	.00	.00	.00	.00	.00	.00
Food and dairy stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Grocery stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.03	.01	.00	.00	.00	.00	4.37	2.80	16.03
Apparel, accessory, except shoes	.01	.00	.00	.00	.00	.00	.00	.00	.00
Shoe stores	.01	.00	.00	.00	.00	.00	4.37	2.80	16.03
Eating and drinking places	.12	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.01	.00	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Services, total	98.04	99.55	98.93	100.00	100.00	100.00	95.62	97.19	83.96
Hotels and lodging place	1.67	.41	1.52	100.00	100.00	100.00	12.34	5.30	29.55
Hotels and motels	.80	.25	.74	.00	.00	.00	3.78	2.42	14.62
Other lodging places	.86	.15	.78	100.00	100.00	100.00	8.56	2.88	14.93
Other personal services	91.48	97.86	95.00	.00	.00	.00	78.96	87.65	38.17
Beauty shops	1.61	.78	2.43	.00	.00	.00	.00	.00	.00
Barber shops	89.74	97.02	92.45	.00	.00	.00	11.62	37.67	21.84
Shoe repair shops	.06	.02	.01	.00	.00	.00	66.64	49.02	10.72
Misc personal services	.06	.03	.10	.00	.00	.00	.68	.96	5.61
Other repair services	.88	.24	.23	.00	.00	.00	.00	.00	.00
Other repair, exc electrical	.88	.24	.23	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.09	.01	.04	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.48	.17	.19	.00	.00	.00	4.31	4.22	16.23
Bowling alleys, billiards	.06	.01	.00	.00	.00	.00	.78	.65	2.90
Other entertainment	.41	.15	.19	.00	.00	.00	3.53	3.57	13.32
Medical and other health service	2.74	.68	1.63	.00	.00	.00	.00	.00	.00
Hospitals	2.41	.58	1.39	.00	.00	.00	.00	.00	.00
Convalescent institutions	.31	.09	.24	.00	.00	.00	.00	.00	.00
Other health services	.01	.00	.00	.00	.00	.00	.00	.00	.00
Educational services	.37	.08	.16	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.09	.02	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.28	.05	.16	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.29	.06	.13	.00	.00	.00	.00	.00	.00
Welfare services	.06	.01	.05	.00	.00	.00	.00	.00	.00
Residential welfare services	.01	.00	.02	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.21	.04	.05	.00	.00	.00	.00	.00	.00
Government, total	.71	.19	.76	.00	.00	.00	.00	.00	.00
Federal public administration	.43	.10	.44	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	.43	.10	.44	.00	.00	.00	.00	.00	.00
State public administration	.18	.05	.15	.00	.00	.00	.00	.00	.00
Local public administration	.09	.03	.17	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Child care workers, exc private			Elevator operators			Hairdressrs and cosmetolgst		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.06	.07	.10	.00	.00	.00
Agriculture	.00	.00	.00	.06	.07	.10	.00	.00	.00
Services,except horticulture	.00	.00	.00	.06	.07	.10	.00	.00	.00
Mining	.00	.00	.00	.37	.58	1.63	.00	.00	.00
Metal	.00	.00	.00	.16	.20	.57	.00	.00	.00
Coal	.00	.00	.00	.06	.10	.22	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.09	.23	.80	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.05	.04	.03	.00	.00	.00
Construction	.00	.00	.00	1.72	1.85	2.98	.00	.00	.00
General building contractors	.00	.00	.00	1.02	.91	.60	.00	.00	.00
General contractors,exc building	.00	.00	.00	.36	.39	.72	.00	.00	.00
Special trade contractors	.00	.00	.00	.34	.53	1.65	.00	.00	.00
Manufacturing	.06	.04	.05	14.89	13.08	15.71	.08	.09	.08
Durable goods	.02	.01	.02	4.52	4.29	5.08	.01	.01	.00
Ordnance	.00	.00	.00	.09	.05	.05	.00	.00	.00
Lumber and wood products	.00	.00	.00	.10	.11	.23	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.06	.08	.17	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.03	.03	.06	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.32	.30	.28	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	.31	.32	.49	.00	.00	.00
Glass and glass products	.00	.00	.00	.03	.03	.08	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.15	.16	.26	.00	.00	.00
Structural clay products	.00	.00	.00	.04	.04	.03	.00	.00	.00
Pottery and related products	.00	.00	.00	.02	.02	.05	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.06	.05	.04	.00	.00	.00
Primary metal industries	.00	.00	.00	.39	.39	.75	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	.13	.14	.36	.00	.00	.00
Other primary steel	.00	.00	.00	.09	.09	.14	.00	.00	.00
Primary aluminum	.00	.00	.00	.03	.03	.07	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.13	.12	.16	.00	.00	.00
Fabricated metal products	.01	.01	.01	.68	.64	.89	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.06	.06	.06	.00	.00	.00
Fabricated structural metal	.01	.00	.01	.07	.11	.45	.00	.00	.00
Screw machine products	.00	.00	.00	.05	.04	.03	.00	.00	.00
Metal stamping	.00	.00	.00	.28	.20	.05	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.20	.21	.28	.00	.00	.00
Machinery except electrical	.00	.00	.00	.69	.70	.91	.00	.00	.00
Engines and turbines	.00	.00	.00	.01	.02	.06	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.15	.15	.14	.00	.00	.00
Construction machines	.00	.00	.00	.22	.20	.10	.00	.00	.00
Metalworking machinery	.00	.00	.00	.05	.06	.18	.00	.00	.00
Office and accounting macaines	.00	.00	.00	.02	.02	.02	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.21	.23	.38	.00	.00	.00
Electrical machinery	.00	.00	.00	.77	.64	.51	.00	.00	.00
Household appliances	.00	.00	.00	.06	.05	.06	.00	.00	.00
Radio,tv communications equip	.00	.00	.00	.20	.17	.22	.00	.00	.00
Other electrical machinery	.00	.00	.00	.51	.41	.22	.00	.00	.00
Transportation equipment	.00	.00	.00	.57	.59	.46	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.42	.41	.29	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.07	.08	.10	.00	.00	.00
Railroad equipment	.00	.00	.00	.02	.03	.05	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.05	.05	.02	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.13	.15	.17	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.09	.10	.06	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.02	.03	.06	.00	.00	.00
Watches and clock devices	.00	.00	.00	.01	.01	.04	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.42	.36	.28	.01	.01	.00
Nondurable goods	.03	.02	.03	10.36	8.78	10.62	.06	.08	.07

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Child care workers, exc private			Elevator operators			Hairdressrs and cosmetolgst		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.02	.01	.01	3.75	3.38	4.46	.00	.00	.00
Meat	.00	.00	.00	1.05	.84	.45	.00	.00	.00
Dairy	.00	.00	.00	.06	.05	.05	.00	.00	.00
Canning and preserving	.02	.01	.01	.46	.49	1.08	.00	.00	.00
Grain mill	.00	.00	.00	.86	.89	1.55	.00	.00	.00
Bakery	.00	.00	.00	.14	.11	.15	.00	.00	.00
Confectionery	.00	.00	.00	.50	.47	.81	.00	.00	.00
Beverages	.00	.00	.00	.07	.06	.08	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.57	.44	.26	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.49	.32	.22	.00	.00	.00
Textile mill products	.00	.00	.00	1.70	1.49	2.55	.00	.00	.00
Knitting mills	.00	.00	.00	.06	.10	.47	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.06	.04	.01	.00	.00	.00
Floor coverings	.00	.00	.00	.02	.02	.03	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	1.47	1.24	1.78	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.07	.08	.23	.00	.00	.00
Apparel and textile products	.00	.00	.00	1.18	.91	.51	.00	.00	.00
Apparel and accessories	.00	.00	.00	1.06	.81	.45	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.11	.10	.05	.00	.00	.00
Paper and allied products	.00	.00	.00	.42	.31	.21	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.20	.12	.06	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.09	.07	.08	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.13	.10	.06	.00	.00	.00
Printing and publishing	.00	.00	.00	1.03	.76	.31	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.35	.27	.12	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.67	.49	.19	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.33	.39	.94	.06	.07	.07
Plastics and synthetics	.00	.00	.00	.02	.02	.04	.00	.00	.00
Synthetic fibers	.00	.00	.00	.02	.04	.23	.00	.00	.00
Drugs and medicines	.00	.00	.00	.13	.19	.46	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.07	.07	.11	.06	.07	.07
Paints and varnishes	.00	.00	.00	.01	.01	.03	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.01	.02	.01	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.03	.02	.03	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.13	.09	.02	.00	.00	.00
Petroleum refining	.00	.00	.00	.13	.09	.02	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.55	.53	.71	.00	.00	.00
Rubber	.00	.00	.00	.50	.44	.53	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.05	.08	.18	.00	.00	.00
Leather products	.00	.00	.00	.74	.56	.64	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.06	.04	.01	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.59	.44	.44	.00	.00	.00
All other leather	.00	.00	.00	.09	.08	.18	.00	.00	.00
Transportation, other public util	.13	.06	.10	2.30	2.21	2.56	.04	.06	.06
Transportation,total	.11	.05	.09	1.49	1.41	1.69	.00	.00	.00
Railroads and railway express	.03	.01	.01	.32	.21	.10	.00	.00	.00
Local and interurban transit	.06	.02	.06	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.06	.02	.06	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.00	.00	.00	1.04	1.07	1.45	.00	.00	.00
Warehousing and storage	.00	.00	.00	1.04	1.07	1.45	.00	.00	.00
Water transportation	.00	.00	.00	.07	.07	.06	.00	.00	.00
Transportation services	.00	.00	.00	.03	.05	.08	.00	.00	.00
Communicatns,utils,sanitary serv	.01	.00	.00	.81	.80	.86	.04	.06	.06
Communications	.00	.00	.00	.42	.43	.55	.04	.06	.06
Telephone(wire and radio)	.00	.00	.00	.35	.34	.41	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.02	.03	.04	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.04	.05	.08	.04	.06	.06
Utilities and sanitary services	.00	.00	.00	.39	.36	.31	.00	.00	.00
Electric light and power	.00	.00	.00	.16	.16	.12	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.13	.10	.05	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.06	.05	.05	.00	.00	.00
Water supply	.00	.00	.00	.02	.03	.08	.00	.00	.00
Wholesale and retail trade	.34	.31	.46	14.46	13.45	8.68	4.99	6.89	6.85
Wholesale trade	.02	.01	.01	3.71	4.38	4.86	.27	.34	.35

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Child care workers, exc private			Elevator operators			Hairdressrs and cosmetolgst		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.01	.01	.00	2.55	3.30	3.80	.01	.01	.02
Motor vehicles and equipment	.00	.00	.00	.05	.08	.21	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.13	.17	.43	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.31	.30	.36	.01	.01	.02
Food and related products	.00	.00	.00	.27	.30	.38	.00	.00	.00
Farm products-raw materials	.00	.00	.00	1.25	1.89	1.61	.00	.00	.00
Electrical gcods	.00	.00	.00	.07	.09	.18	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.27	.24	.10	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.15	.22	.49	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.01	1.16	1.07	1.06	.25	.32	.33
Metals and minerals, other	.00	.00	.00	.04	.04	.05	.00	.00	.00
Petroleum products	.00	.00	.00	.14	.20	.50	.00	.00	.00
Scrap and waste material	.00	.00	.00	.03	.05	.03	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.05	.05	.03	.00	.00	.00
Paper and paper products	.00	.00	.00	.16	.12	.08	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.02	.03	.09	.00	.00	.00
Other wholesale trade	.00	.00	.01	.68	.56	.25	.25	.32	.33
<b>Retail trade</b>	<b>.32</b>	<b>.29</b>	<b>.44</b>	<b>10.75</b>	<b>9.07</b>	<b>3.81</b>	<b>4.72</b>	<b>6.55</b>	<b>6.49</b>
General merchandise,total	.15	.11	.27	6.89	5.32	1.61	3.21	4.34	4.79
Department stores,mail order	.11	.09	.22	6.47	4.97	1.26	3.01	4.12	4.49
Limited price stores	.00	.00	.00	.20	.18	.22	.04	.05	.05
Miscellaneous merchadise store	.03	.01	.04	.21	.17	.12	.15	.16	.24
Food and dairy stores	.03	.02	.04	.02	.03	.06	.03	.03	.02
Grocery stores	.03	.02	.04	.00	.00	.00	.03	.03	.02
Food stores,cther	.00	.00	.00	.02	.03	.06	.00	.00	.00
Auto dealers,gas stations	.01	.01	.01	.03	.06	.15	.01	.01	.01
Tire,battery,accessory dealrs	.00	.00	.00	.03	.06	.15	.00	.00	.00
Gasoline service stations	.00	.00	.00	.00	.00	.00	.01	.01	.01
Miscellaneous vehicle dealers	.00	.00	.01	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	2.08	1.84	.63	.36	.52	.44
Apparel,accessory,except shoes	.00	.00	.00	1.98	1.75	.56	.35	.50	.42
Shoe stores	.00	.00	.00	.10	.09	.06	.01	.02	.02
Furniture and appliance stores	.00	.00	.00	.41	.38	.20	.00	.00	.00
Home furnishings	.00	.00	.00	.31	.27	.10	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.09	.11	.09	.00	.00	.00
Eating and drinking places	.09	.12	.07	.00	.00	.00	.01	.01	.00
Miscellaneous retail trade	.02	.01	.02	1.29	1.40	1.15	1.08	1.61	1.21
Drug stores	.00	.00	.00	.08	.10	.30	.01	.01	.00
Liquor stores	.00	.00	.00	.03	.04	.08	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.72	.76	.30	.00	.00	.00
Jewelry stores	.00	.00	.00	.16	.14	.03	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.01	.02	.10	.00	.00	.00
Retail florists	.00	.00	.00	.02	.03	.06	.00	.00	.00
Misc retail trade stores	.00	.00	.01	.24	.29	.27	1.06	1.59	1.20
<b>Finance,insurance and real estate</b>	<b>.10</b>	<b>.06</b>	<b>.03</b>	<b>31.65</b>	<b>32.97</b>	<b>36.92</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>
Finance,total	.00	.00	.00	2.97	2.77	2.46	.00	.00	.00
Banking	.00	.00	.00	2.32	2.11	1.63	.00	.00	.00
Credit agencies	.00	.00	.00	.27	.32	.53	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.37	.33	.28	.00	.00	.00
Insurance	.00	.00	.00	1.25	1.04	.86	.00	.00	.00
Real estate	.10	.06	.03	27.42	29.15	33.59	.00	.00	.00
<b>Services, total</b>	<b>97.00</b>	<b>97.72</b>	<b>97.86</b>	<b>27.28</b>	<b>27.63</b>	<b>20.71</b>	<b>94.78</b>	<b>92.82</b>	<b>92.88</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Child care workers, exc private			Elevator operators			Hairdressrs and cosmetolgst		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	46.53	55.02	55.82	9.66	9.54	7.08	.42	.63	1.04
Hotels and motels	.26	.16	.23	9.50	9.37	6.64	.25	.48	.78
Other lodging places	46.26	54.86	55.58	.15	.16	.43	.17	.14	.25
Other personal services	2.73	2.66	2.12	.17	.20	.43	92.58	89.67	87.51
Laundering and cleaning	.09	.05	.02	.13	.10	.13	.00	.00	.00
Beauty shops	.10	.21	.19	.00	.00	.00	90.89	83.44	84.78
Barber shops	.23	.37	.08	.00	.00	.00	.71	4.18	.91
Shoe repair shops	.00	.00	.00	.00	.00	.00	.01	.02	.00
Misc personal services	2.27	2.01	1.81	.03	.10	.30	.95	2.02	1.81
Miscellaneous business services	.08	.08	.19	3.18	3.39	1.70	.01	.01	.01
Business management services	.00	.00	.00	.21	.21	.08	.00	.00	.00
Commercial research,development	.00	.00	.00	.00	.00	.00	.01	.01	.01
Detective and protective serv	.01	.01	.02	.09	.12	.09	.00	.00	.00
Employment,temporary help	.03	.03	.09	.39	.51	.39	.00	.00	.00
Services to buildings	.00	.01	.05	2.15	2.10	.83	.00	.00	.00
Other business services	.01	.01	.01	.33	.43	.28	.00	.00	.00
Automobile services	.00	.00	.00	.11	.10	.08	.03	.04	.00
Automobile repair	.00	.00	.00	.00	.00	.00	.03	.04	.00
Automobile services,exc repair	.00	.00	.00	.11	.10	.08	.00	.00	.00
Other repair services	.06	.05	.04	.10	.19	.23	.00	.00	.00
Other repair,exc electrical	.06	.05	.04	.10	.19	.23	.00	.00	.00
Motion pictures and theaters	.02	.01	.02	.24	.12	.06	.14	.11	.19
Miscellaneous entertainment	2.50	1.76	1.16	.23	.46	.56	.05	.14	.12
Bowling alleys,billards	2.21	1.51	.88	.01	.02	.03	.00	.00	.00
Other entertainment	.29	.25	.27	.21	.44	.53	.05	.14	.12
Medical and other health service	9.37	7.80	9.52	9.29	8.87	5.69	1.20	1.81	3.51
Offices of physicians	.05	.02	.11	.19	.28	.45	.00	.00	.00
Offices of dentists	.01	.02	.04	.00	.00	.00	.00	.00	.00
Hospitals	5.73	4.11	5.44	8.52	7.69	4.25	.67	.95	1.35
Convalescent institutions	2.54	2.20	2.72	.38	.47	.76	.49	.80	2.05
Other health practitioners	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other health services	1.01	1.44	1.19	.19	.42	.22	.04	.05	.10
Legal services	.01	.01	.01	.10	.20	.27	.00	.00	.00
educational services	17.71	15.94	12.52	2.19	2.54	2.89	.12	.16	.13
Elementary and secondary school	14.57	13.53	9.31	.86	1.19	1.61	.04	.04	.00
Colleges and universities	1.75	1.26	1.58	1.17	1.11	.82	.00	.00	.00
Libraries	.00	.00	.00	.06	.12	.22	.00	.00	.00
Other educational services	1.38	1.14	1.62	.08	.11	.23	.08	.11	.13
Museums,art galleries,zoos	.01	.01	.04	.05	.07	.03	.00	.00	.00
Nonprofit organizations	17.51	14.01	15.95	1.86	1.82	1.45	.18	.24	.33
Religious organizations	5.69	4.40	5.02	.31	.35	.23	.00	.00	.00
Welfare services	3.19	2.05	3.62	.40	.30	.21	.13	.16	.19
Residential welfare services	7.48	6.79	6.34	.02	.04	.15	.01	.03	.06
Nonprofit membership organiztns	1.14	.75	.95	1.11	1.12	.85	.03	.04	.07
Other professional services	.42	.33	.43	.06	.07	.16	.00	.00	.00
Miscellaneous professional serv	.42	.33	.43	.06	.07	.16	.00	.00	.00
Government,total	2.35	1.79	1.48	7.22	8.12	10.68	.09	.11	.11
Federal public administration	.18	.09	.13	3.06	3.35	5.85	.03	.03	.02
Postal services	.00	.00	.00	1.13	1.39	1.77	.00	.00	.00
Federal pub adm,exc post office	.18	.09	.13	1.92	1.96	4.07	.03	.03	.02
State public administration	1.36	1.08	.39	1.24	1.68	2.63	.03	.06	.08
Local public administration	.81	.60	.95	2.91	3.08	2.18	.02	.02	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Housekeeprs exc private households			School monitors			Ushers, recreation, amusements		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.28	.41	.34	.00	.00	.00	.00	.00	.00
Agriculture	.28	.41	.34	.00	.00	.00	.00	.00	.00
Agricultural production	.28	.41	.34	.00	.00	.00	.00	.00	.00
Construction	.23	.19	.18	.00	.00	.00	.00	.00	.00
General building contractors	.23	.19	.18	.00	.00	.00	.00	.00	.00
Manufacturing	1.35	.96	.74	.00	.00	.00	.00	.00	.00
Durable goods	.59	.46	.36	.00	.00	.00	.00	.00	.00
Ordnance	.02	.01	.01	.00	.00	.00	.00	.00	.00
Lumber and wood products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Miscellaneous wood products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.01	.00	.00	.00	.00	.00	.00	.00	.00
Stone,clay,and glass products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Glass and glass products	.02	.01	.01	.00	.00	.00	.00	.00	.00
Primary metal industries	.07	.05	.03	.00	.00	.00	.00	.00	.00
Blast furnaces,steel works	.01	.00	.00	.00	.00	.00	.00	.00	.00
Other primary steel	.03	.02	.02	.00	.00	.00	.00	.00	.00
Primary aluminum	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.01	.00	.00	.00	.00	.00	.00	.00	.00
Machinery except electrical	.10	.09	.10	.00	.00	.00	.00	.00	.00
Engines and turbines	.02	.01	.00	.00	.00	.00	.00	.00	.00
Metalworking machinery	.03	.02	.02	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.05	.05	.06	.00	.00	.00	.00	.00	.00
Electrical machinery	.01	.00	.01	.00	.00	.00	.00	.00	.00
Household appliances	.01	.00	.01	.00	.00	.00	.00	.00	.00
Transportation equipment	.22	.18	.14	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.17	.15	.11	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.04	.03	.01	.00	.00	.00	.00	.00	.00
Mobile dwellings	.00	.00	.01	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.02	.02	.01	.00	.00	.00	.00	.00	.00
Scientific instruments	.02	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.06	.04	.02	.00	.00	.00	.00	.00	.00
Nondurable goods	.75	.49	.38	.00	.00	.00	.00	.00	.00
Food and kindred products	.39	.20	.07	.00	.00	.00	.00	.00	.00
Meat	.03	.02	.01	.00	.00	.00	.00	.00	.00
Dairy	.03	.01	.00	.00	.00	.00	.00	.00	.00
Canning and preserving	.07	.04	.01	.00	.00	.00	.00	.00	.00
Bakery	.07	.03	.00	.00	.00	.00	.00	.00	.00
Beverages	.10	.05	.00	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.05	.03	.00	.00	.00	.00	.00	.00	.00
Tobacco manufacturing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Textile mill products	.05	.04	.04	.00	.00	.00	.00	.00	.00
Knitting mills	.01	.01	.02	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.04	.03	.02	.00	.00	.00	.00	.00	.00
Apparel and textile products	.05	.06	.12	.00	.00	.00	.00	.00	.00
Apparel and accessories	.05	.06	.12	.00	.00	.00	.00	.00	.00
Paper and allied products	.04	.03	.03	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.03	.02	.01	.00	.00	.00	.00	.00	.00
Paperboard containers,boxes	.01	.01	.01	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.10	.07	.05	.00	.00	.00	.00	.00	.00
Industrial chemicals	.03	.02	.02	.00	.00	.00	.00	.00	.00
Synthetic fibers	.02	.01	.01	.00	.00	.00	.00	.00	.00
Drugs and medicines	.02	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.01	.00	.00	.00	.00	.00	.00	.00	.00
Petroleum and coal products	.03	.02	.00	.00	.00	.00	.00	.00	.00
Petroleum refining	.03	.02	.00	.00	.00	.00	.00	.00	.00
Rubber,miscellaneous plastics	.04	.04	.04	.00	.00	.00	.00	.00	.00
Rubber	.02	.02	.01	.00	.00	.00	.00	.00	.00
Miscellaneous plastics	.02	.02	.02	.00	.00	.00	.00	.00	.00
Transportation, other public util	3.58	2.34	1.08	.00	.00	.00	.00	.00	.00
Transportation,total	3.27	2.13	.98	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Housekeeprs exc private households			School monitors			Ushers, recreation, amusements		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Railroads and railway express	.29	.14	.03	.00	.00	.00	.00	.00	.00
Local and interurban transit	.07	.03	.04	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.07	.03	.04	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.05	.06	.09	.00	.00	.00	.00	.00	.00
Trucking services	.05	.06	.09	.00	.00	.00	.00	.00	.00
Water transportation	1.63	1.03	.20	.00	.00	.00	.00	.00	.00
Air transportation	1.07	.69	.45	.00	.00	.00	.00	.00	.00
Transportation services	.14	.15	.14	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.30	.21	.10	.00	.00	.00	.00	.00	.00
Communications	.25	.17	.07	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.18	.12	.06	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.06	.03	.00	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.05	.04	.02	.00	.00	.00	.00	.00	.00
Electric light and power	.05	.04	.02	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	16.18	19.83	14.64	.00	.00	.00	.00	.00	.00
Wholesale trade	.43	.35	.22	.00	.00	.00	.00	.00	.00
Wholesale,exc misc whlsle trade	.31	.25	.14	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.01	.00	.00	.00	.00	.00	.00	.00	.00
Food and related products	.13	.09	.03	.00	.00	.00	.00	.00	.00
Farm products-raw materials	.01	.01	.00	.00	.00	.00	.00	.00	.00
Electrical goods	.01	.01	.03	.00	.00	.00	.00	.00	.00
Hardware and plumbing	.01	.01	.01	.00	.00	.00	.00	.00	.00
Machinery equipment,supplies	.11	.10	.06	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.11	.09	.08	.00	.00	.00	.00	.00	.00
Metals and minerals, other	.02	.01	.01	.00	.00	.00	.00	.00	.00
Petroleum products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Lumber,construction materials	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other wholesale trade	.03	.03	.03	.00	.00	.00	.00	.00	.00
Retail trade	15.75	19.48	14.41	.00	.00	.00	.00	.00	.00
General merchandise,total	1.19	.96	.98	.00	.00	.00	.00	.00	.00
Department stores,mail order	.91	.82	.88	.00	.00	.00	.00	.00	.00
Limited price stores	.14	.06	.01	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.13	.07	.08	.00	.00	.00	.00	.00	.00
Food and dairy stores	.47	.33	.16	.00	.00	.00	.00	.00	.00
Grocery stores	.36	.24	.10	.00	.00	.00	.00	.00	.00
Dairy products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Retail bakeries	.06	.05	.03	.00	.00	.00	.00	.00	.00
Food stores,cther	.02	.02	.01	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.15	.13	.11	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.02	.01	.00	.00	.00	.00	.00	.00	.00
Gasoline service stations	.06	.05	.05	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.06	.06	.06	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.12	.09	.06	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.06	.06	.05	.00	.00	.00	.00	.00	.00
Shoe stores	.05	.03	.00	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.12	.09	.03	.00	.00	.00	.00	.00	.00
Home furnishings	.10	.07	.01	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.02	.02	.02	.00	.00	.00	.00	.00	.00
Eating and drinking places	13.39	17.65	12.92	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.28	.20	.13	.00	.00	.00	.00	.00	.00
Drug stores	.19	.11	.04	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Jewelry stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Fuel and ice dealers	.01	.00	.00	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.05	.04	.05	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	1.28	.90	.53	.00	.00	.00	.00	.00	.00
Insurance	.16	.09	.00	.00	.00	.00	.00	.00	.00
Real estate	1.12	.80	.53	.00	.00	.00	.00	.00	.00
Services, total	75.07	73.79	80.94	100.00	100.00	100.00	100.00	100.00	100.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Housekeepers exc private households			School monitors			Ushers recreation, amusements		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	15.05	16.96	17.74	.00	.00	.00	.00	.00	.00
Hotels and motels	13.88	15.84	16.01	.00	.00	.00	.00	.00	.00
Other lodging places	1.16	1.12	1.73	.00	.00	.00	.00	.00	.00
Other personal services	.81	.93	.37	.00	.00	.00	.00	.00	.00
Laundering and cleaning	.25	.10	.02	.00	.00	.00	.00	.00	.00
Beauty shops	.05	.09	.05	.00	.00	.00	.00	.00	.00
Barber shops	.00	.06	.00	.00	.00	.00	.00	.00	.00
Dressmaking shops	.02	.02	.01	.00	.00	.00	.00	.00	.00
Misc personal services	.48	.64	.27	.00	.00	.00	.00	.00	.00
Miscellaneous business services	1.59	1.71	1.79	.00	.00	.00	.00	.00	.00
Advertising	.06	.03	.00	.00	.00	.00	.00	.00	.00
Business management services	.09	.07	.03	.00	.00	.00	.00	.00	.00
Commercial research,development	.01	.01	.01	.00	.00	.00	.00	.00	.00
Computer programing	.03	.02	.01	.00	.00	.00	.00	.00	.00
Employment,temporary help	.31	.37	.40	.00	.00	.00	.00	.00	.00
Services to buildings	.27	.34	.85	.00	.00	.00	.00	.00	.00
Other business services	.79	.83	.46	.00	.00	.00	.00	.00	.00
Automobile services	.00	.01	.02	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.00	.00	.02	.00	.00	.00	.00	.00	.00
Other repair services	.04	.04	.03	.00	.00	.00	.00	.00	.00
Electrical repair	.01	.00	.01	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.03	.03	.01	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.22	.09	.04	.00	.00	.00	91.34	79.45	77.06
Miscellaneous entertainment	2.19	2.80	1.21	.00	.00	.00	6.98	18.76	22.78
Bowling alleys,billardrs	.06	.04	.01	.00	.00	.00	.00	.00	.00
Other entertainment	2.12	2.75	1.20	.00	.00	.00	6.98	18.76	22.78
Medical and other health service	20.52	21.21	35.71	.00	.00	.00	.00	.00	.00
Offices of physicians	.38	.39	.35	.00	.00	.00	.00	.00	.00
Offices of dentists	.01	.03	.04	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.00	.01	.00	.00	.00	.00	.00	.00	.00
Hospitals	14.07	13.47	18.80	.00	.00	.00	.00	.00	.00
Convalescent institutions	5.81	6.85	16.28	.00	.00	.00	.00	.00	.00
Other health practitioners	.01	.01	.01	.00	.00	.00	.00	.00	.00
Other health services	.22	.43	.22	.00	.00	.00	.00	.00	.00
Legal services	.02	.03	.04	.00	.00	.00	.00	.00	.00
Educational services	26.20	22.40	18.06	100.00	100.00	100.00	.00	.00	.00
Elementary and secondary school	8.86	7.72	3.91	96.94	97.28	96.92	.00	.00	.00
Colleges and universities	16.58	13.96	13.60	2.47	2.09	2.21	.00	.00	.00
Other educational services	.75	.70	.54	.58	.62	.85	.00	.00	.00
Museums,art galleries,zoos	.24	.29	.30	.00	.00	.00	1.67	1.77	.14
Nonprofit organizations	7.95	7.13	5.50	.00	.00	.00	.00	.00	.00
Religious organizations	4.33	4.26	3.41	.00	.00	.00	.00	.00	.00
Welfare services	.86	.58	.35	.00	.00	.00	.00	.00	.00
Residential welfare services	.50	.52	.74	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	2.25	1.77	.98	.00	.00	.00	.00	.00	.00
Other professional services	.17	.13	.08	.00	.00	.00	.00	.00	.00
Engineering and architectural	.02	.03	.05	.00	.00	.00	.00	.00	.00
Accounting and auditing	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.14	.09	.03	.00	.00	.00	.00	.00	.00
Government,total	2.00	1.55	1.51	.00	.00	.00	.00	.00	.00
Federal public administration	.66	.51	.61	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.66	.51	.61	.00	.00	.00	.00	.00	.00
State public administration	.99	.77	.78	.00	.00	.00	.00	.00	.00
Local public administration	.34	.27	.11	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Welfare service aides			Protective service workers			Crossing guards, bridgetendr		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.12	.11	.15	.00	.00	.00
Agriculture	.00	.00	.00	.09	.07	.09	.00	.00	.00
Agricultural production	.00	.00	.00	.05	.04	.07	.00	.00	.00
Services,except horticulture	.00	.00	.00	.03	.02	.01	.00	.00	.00
Forestry	.00	.00	.00	.02	.02	.02	.00	.00	.00
Fisheries	.00	.00	.00	.00	.01	.02	.00	.00	.00
Mining	.00	.00	.00	.21	.19	.12	.00	.00	.00
Metal	.00	.00	.00	.05	.04	.01	.00	.00	.00
Coal	.00	.00	.00	.04	.05	.05	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.03	.04	.02	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.07	.05	.02	.00	.00	.00
Construction	.00	.00	.00	1.09	.84	.78	6.78	5.55	7.90
General building contractors	.00	.00	.00	.10	.09	.07	.00	.00	.00
General contractors,exc building	.00	.00	.00	.93	.70	.68	6.78	5.55	7.90
Special trade contractors	.00	.00	.00	.05	.04	.02	.00	.00	.00
Manufacturing	.00	.00	.00	9.43	6.93	4.78	.00	.00	.00
Durable goods	.00	.00	.00	6.10	4.46	2.82	.00	.00	.00
Ordnance	.00	.00	.00	.39	.16	.13	.00	.00	.00
Lumber and wood products	.00	.00	.00	.46	.39	.35	.00	.00	.00
Logging	.00	.00	.00	.01	.01	.01	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	.36	.30	.27	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.08	.06	.06	.00	.00	.00
Furniture and fixtures	.00	.00	.00	.20	.16	.10	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	.28	.22	.12	.00	.00	.00
Glass and glass products	.00	.00	.00	.09	.07	.04	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.08	.06	.03	.00	.00	.00
Structural clay products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.07	.06	.04	.00	.00	.00
Primary metal industries	.00	.00	.00	.94	.68	.48	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	.46	.30	.21	.00	.00	.00
Other primary steel	.00	.00	.00	.23	.17	.13	.00	.00	.00
Primary aluminum	.00	.00	.00	.09	.08	.05	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.15	.11	.09	.00	.00	.00
Fabricated metal products	.00	.00	.00	.50	.37	.16	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.07	.06	.04	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.12	.09	.04	.00	.00	.00
Screw machine products	.00	.00	.00	.03	.02	.00	.00	.00	.00
Metal stamping	.00	.00	.00	.10	.07	.02	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	.16	.11	.04	.00	.00	.00
Machinery except electrical	.00	.00	.00	.72	.55	.25	.00	.00	.00
Engines and turbines	.00	.00	.00	.05	.04	.01	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.06	.04	.02	.00	.00	.00
Construction machines	.00	.00	.00	.13	.11	.04	.00	.00	.00
Metalworking machinery	.00	.00	.00	.10	.07	.03	.00	.00	.00
Office and accounting machines	.00	.00	.00	.02	.01	.00	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.05	.04	.02	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.28	.22	.10	.00	.00	.00
Electrical machinery	.00	.00	.00	.86	.56	.26	.00	.00	.00
Household appliances	.00	.00	.00	.08	.05	.01	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.33	.19	.12	.00	.00	.00
Other electrical machinery	.00	.00	.00	.44	.32	.12	.00	.00	.00
Transportation equipment	.00	.00	.00	1.38	1.06	.76	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.59	.55	.50	.00	.00	.00
Aircraft and parts	.00	.00	.00	.45	.27	.11	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.24	.16	.07	.00	.00	.00
Railroad equipment	.00	.00	.00	.02	.02	.01	.00	.00	.00
Mobile dwellings	.00	.00	.00	.05	.04	.04	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.00	.01	.00	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.19	.15	.09	.00	.00	.00
Scientific instruments	.00	.00	.00	.06	.04	.01	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.03	.03	.01	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.08	.06	.05	.00	.00	.00
Watches and clock devices	.00	.00	.00	.01	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.14	.11	.07	.00	.00	.00
Nondurable goods	.00	.00	.00	3.32	2.47	1.96	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Welfare service aides			Protective service workers			Crossing guards, bridgetendr		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.72	.53	.38	.00	.00	.00
Meat	.00	.00	.00	.13	.10	.07	.00	.00	.00
Dairy	.00	.00	.00	.03	.02	.01	.00	.00	.00
Canning and preserving	.00	.00	.00	.16	.12	.11	.00	.00	.00
Grain mill	.00	.00	.00	.06	.05	.04	.00	.00	.00
Bakery	.00	.00	.00	.04	.02	.02	.00	.00	.00
Confectionery	.00	.00	.00	.03	.01	.00	.00	.00	.00
Beverages	.00	.00	.00	.14	.10	.07	.00	.00	.00
Miscellaneous food preparation	.00	.00	.00	.10	.07	.03	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.06	.04	.03	.00	.00	.00
Textile mill products	.00	.00	.00	.48	.34	.29	.00	.00	.00
Knitting mills	.00	.00	.00	.10	.08	.09	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.05	.03	.02	.00	.00	.00
Floor coverings	.00	.00	.00	.04	.04	.06	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.24	.15	.09	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.04	.03	.02	.00	.00	.00
Apparel and textile products	.00	.00	.00	.34	.28	.26	.00	.00	.00
Apparel and accessories	.00	.00	.00	.29	.24	.21	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.04	.04	.04	.00	.00	.00
Paper and allied products	.00	.00	.00	.32	.22	.14	.00	.00	.00
Pulp,paper paperboard mills	.00	.00	.00	.18	.12	.06	.00	.00	.00
Paperboard containers,boxes	.00	.00	.00	.06	.05	.05	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.06	.05	.02	.00	.00	.00
Printing and publishing	.00	.00	.00	.20	.16	.12	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.07	.05	.04	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.13	.10	.08	.00	.00	.00
Chemicals and allied products	.00	.00	.00	.74	.53	.46	.00	.00	.00
Industrial chemicals	.00	.00	.00	.29	.20	.14	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.05	.04	.03	.00	.00	.00
Synthetic fibers	.00	.00	.00	.06	.05	.07	.00	.00	.00
Drugs and medicines	.00	.00	.00	.07	.06	.07	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.06	.05	.04	.00	.00	.00
Paints and varnishes	.00	.00	.00	.03	.02	.01	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.03	.03	.01	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.11	.06	.06	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.11	.08	.03	.00	.00	.00
Petroleum refining	.00	.00	.00	.09	.07	.02	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.02	.01	.00	.00	.00	.00
Rubber,miscellaneous plastics	.00	.00	.00	.20	.19	.18	.00	.00	.00
Rubber	.00	.00	.00	.13	.10	.09	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.07	.09	.09	.00	.00	.00
Leather products	.00	.00	.00	.10	.06	.03	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.01	.00	.00	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.08	.05	.03	.00	.00	.00
Transportation, other public util	.00	.00	.00	2.03	1.61	1.42	7.96	7.35	4.51
Transportation,total	.00	.00	.00	1.51	1.15	.91	7.43	6.81	4.01
Railroads and railway express	.00	.00	.00	.52	.27	.15	3.17	1.79	.76
Local and interurban transit	.00	.00	.00	.13	.09	.12	.26	.18	.54
Street railways and bus lines	.00	.00	.00	.13	.09	.12	.26	.18	.54
Trucking and warehousing	.00	.00	.00	.17	.15	.15	.00	.00	.00
Trucking services	.00	.00	.00	.11	.10	.10	.00	.00	.00
Warehousing and storage	.00	.00	.00	.06	.05	.05	.00	.00	.00
Water transportation	.00	.00	.00	.38	.31	.13	3.09	3.75	1.27
Air transportation	.00	.00	.00	.19	.20	.25	.04	.05	.10
Transportation services	.00	.00	.00	.09	.10	.10	.86	1.03	1.33
Communicatns,utils,sanitary serv	.00	.00	.00	.51	.46	.50	.53	.53	.49
Communications	.00	.00	.00	.10	.09	.14	.00	.00	.00
Telephone(wire and radio)	.00	.00	.00	.06	.06	.11	.00	.00	.00
Telegraph,misc communicatn serv	.00	.00	.00	.01	.01	.01	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.01	.01	.01	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.41	.36	.36	.53	.53	.49
Electric light and power	.00	.00	.00	.13	.13	.12	.25	.28	.17
Electric-gas utilities	.00	.00	.00	.06	.04	.05	.07	.06	.08
Gas steam supply systems	.00	.00	.00	.02	.01	.00	.00	.00	.00
Water supply	.00	.00	.00	.09	.08	.06	.13	.13	.16
Sanitary services	.00	.00	.00	.09	.09	.10	.00	.00	.00
Other utilities	.00	.00	.00	.00	.00	.00	.07	.05	.06
Wholesale and retail trade	.00	.00	.00	2.73	2.63	2.39	.00	.00	.00
Wholesale trade	.00	.00	.00	.62	.57	.42	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Welfare service aides			Protective service workers			Crossing guards, bridgetendr		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.38	.38	.34	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.05	.05	.05	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.03	.02	.02	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.01	.01	.01	.00	.00	.00
Food and related products	.00	.00	.00	.12	.11	.11	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.04	.04	.02	.00	.00	.00
Electrical goods	.00	.00	.00	.04	.03	.03	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.01	.01	.01	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.06	.06	.06	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	.23	.18	.08	.00	.00	.00
Metals and minerals, other	.00	.00	.00	.03	.02	.01	.00	.00	.00
Petroleum products	.00	.00	.00	.02	.02	.00	.00	.00	.00
Scrap and waste material	.00	.00	.00	.03	.03	.01	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.01	.01	.00	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.05	.04	.02	.00	.00	.00
Other wholesale trade	.00	.00	.00	.06	.04	.02	.00	.00	.00
Retail trade	.00	.00	.00	2.11	2.06	1.96	.00	.00	.00
Building materials	.00	.00	.00	.06	.05	.02	.00	.00	.00
Lumber,building material	.00	.00	.00	.06	.05	.01	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.00	.00	.01	.00	.00	.00
General merchandise,total	.00	.00	.00	1.32	1.24	1.16	.00	.00	.00
Department stores,mail order	.00	.00	.00	1.15	1.11	1.03	.00	.00	.00
Limited price stores	.00	.00	.00	.05	.04	.05	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.10	.07	.07	.00	.00	.00
Food and dairy stores	.00	.00	.00	.20	.16	.19	.00	.00	.00
Grocery stores	.00	.00	.00	.19	.15	.18	.00	.00	.00
Food stores,other	.00	.00	.00	.00	.00	.01	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.09	.08	.10	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.06	.04	.05	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.01	.01	.02	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.01	.01	.02	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.12	.13	.13	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.11	.12	.12	.00	.00	.00
Shoe stores	.00	.00	.00	.00	.00	.01	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.03	.03	.03	.00	.00	.00
Home furnishings	.00	.00	.00	.01	.01	.00	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.01	.01	.02	.00	.00	.00
Eating and drinking places	.00	.00	.00	.12	.21	.19	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.13	.13	.10	.00	.00	.00
Drug stores	.00	.00	.00	.03	.03	.04	.00	.00	.00
Liquor stores	.00	.00	.00	.02	.02	.01	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.00	.01	.00	.00	.00	.00
Jewelry stores	.00	.00	.00	.02	.02	.01	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.01	.00	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.03	.03	.02	.00	.00	.00
Finance,insurance and real estate	.00	.00	.00	1.95	1.90	2.44	.00	.00	.00
Finance,total	.00	.00	.00	1.21	1.17	1.73	.00	.00	.00
Banking	.00	.00	.00	.97	.95	1.49	.00	.00	.00
Credit agencies	.00	.00	.00	.04	.04	.02	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.20	.17	.21	.00	.00	.00
Insurance	.00	.00	.00	.12	.10	.10	.00	.00	.00
Real estate	.00	.00	.00	.61	.62	.60	.00	.00	.00
Services, total	85.26	85.67	96.90	15.28	20.45	24.64	5.68	7.53	12.62

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Welfare service aides			Protective service workers			Crossing guards, bridgetendr		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.38	.45	.50	.00	.00	.00
Hotels and motels	.00	.00	.00	.35	.42	.46	.00	.00	.00
Other lodging places	.00	.00	.00	.03	.03	.03	.00	.00	.00
Other personal services	.00	.00	.00	.10	.09	.06	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.07	.04	.02	.00	.00	.00
Dressmaking shops	.00	.00	.00	.00	.01	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.02	.04	.03	.00	.00	.00
Miscellaneous business services	.00	.00	.00	9.70	14.67	18.02	.00	.00	.00
Advertising	.00	.00	.00	.01	.01	.01	.00	.00	.00
Business management services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Commercial research,development	.00	.00	.00	.05	.05	.03	.00	.00	.00
Computer programing	.00	.00	.00	.01	.01	.02	.00	.00	.00
Detective and protective serv	.00	.00	.00	9.25	14.20	17.75	.00	.00	.00
Employment,temporary help	.00	.00	.00	.07	.08	.05	.00	.00	.00
Services to buildings	.00	.00	.00	.08	.08	.04	.00	.00	.00
Other business services	.00	.00	.00	.18	.19	.08	.00	.00	.00
Automobile services	.00	.00	.00	.04	.03	.04	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.03	.02	.04	.00	.00	.00
Other repair services	.00	.00	.00	.02	.02	.00	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.01	.02	.00	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.09	.06	.09	.00	.00	.00
Miscellaneous entertainment	.00	.00	.00	.44	.63	.29	.00	.00	.00
Bowling alleys,billardrs	.00	.00	.00	.01	.01	.00	.00	.00	.00
Other entertainment	.00	.00	.00	.43	.61	.28	.00	.00	.00
Medical and other health service	3.55	5.56	4.99	1.67	1.89	3.23	.78	1.10	4.12
Offices of physicians	.11	.07	.00	.01	.01	.01	.00	.00	.00
Hospitals	1.14	1.94	2.53	1.46	1.61	2.84	.65	.89	2.94
Convalescent institutions	.20	.53	1.21	.11	.15	.29	.13	.21	1.18
Other health services	2.08	3.00	1.23	.08	.11	.07	.00	.00	.00
Legal services	.00	.00	.00	.04	.04	.04	.00	.00	.00
Educational services	7.19	9.78	3.76	2.08	1.85	1.84	4.89	6.42	8.49
Elementary and secondary school	5.24	7.93	2.92	.56	.55	.57	4.63	6.10	7.87
Colleges and universities	1.34	1.05	.28	1.42	1.19	1.15	.22	.26	.49
Libraries	.00	.00	.00	.01	.02	.05	.00	.00	.00
Other educational services	.60	.79	.55	.07	.08	.06	.03	.05	.13
Museums,art galleries,zoos	.00	.00	.00	.21	.24	.15	.00	.00	.00
Nonprofit organizations	73.98	69.68	87.65	.35	.32	.28	.00	.00	.00
Religious organizations	.61	.66	.31	.05	.05	.05	.00	.00	.00
Welfare services	69.91	65.04	83.98	.12	.08	.04	.00	.00	.00
Residential welfare services	.96	1.30	1.68	.02	.02	.01	.00	.00	.00
Nonprofit membership organiztns	2.49	2.67	1.67	.14	.14	.17	.00	.00	.00
Other professional services	.52	.64	.49	.11	.12	.05	.00	.00	.00
Engineering and architectural	.00	.00	.00	.03	.03	.02	.00	.00	.00
Miscellaneous professional serv	.52	.64	.49	.08	.07	.02	.00	.00	.00
Government,total	14.73	14.32	3.09	67.11	65.28	63.23	79.56	79.55	74.96
Federal public administration	5.08	2.67	.57	3.92	3.03	3.84	.65	.44	.29
Postal services	.00	.00	.00	.13	.17	.23	.00	.00	.00
Federal pub adm,exc post office	5.08	2.67	.57	3.78	2.86	3.61	.65	.44	.29
State public administration	2.93	3.80	1.61	8.35	8.99	9.25	1.18	1.29	1.44
Local public administration	6.71	7.84	.89	54.83	53.25	50.13	77.72	77.80	73.22

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fire-fighters			Guards			Marshalls and constables		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.11	.12	.16	.27	.21	.28	.00	.00	.00
Agriculture	.00	.00	.00	.23	.17	.21	.00	.00	.00
Agricultural production	.00	.00	.00	.14	.12	.16	.00	.00	.00
Services, except horticulture	.00	.00	.00	.08	.05	.04	.00	.00	.00
Forestry	.11	.12	.16	.02	.01	.00	.00	.00	.00
Fisheries	.00	.00	.00	.01	.02	.06	.00	.00	.00
Mining	.02	.03	.06	.56	.45	.26	.00	.00	.00
Metal	.00	.00	.00	.15	.09	.03	.00	.00	.00
Coal	.00	.00	.02	.12	.12	.11	.00	.00	.00
Crude petroleum and natural gas	.01	.01	.03	.08	.09	.05	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.20	.14	.05	.00	.00	.00
Construction	.05	.05	.06	1.96	1.51	1.18	.00	.00	.00
General building contractors	.00	.00	.00	.28	.22	.17	.00	.00	.00
General contractors, exc building	.04	.04	.06	1.54	1.18	.95	.00	.00	.00
Special trade contractors	.00	.00	.00	.13	.10	.04	.00	.00	.00
Manufacturing	1.74	1.18	1.04	24.34	16.52	10.16	.00	.00	.00
Durable goods	1.37	.92	.82	15.60	10.52	5.90	.00	.00	.00
Ordnance	.19	.07	.04	.94	.37	.27	.00	.00	.00
Lumber and wood products	.04	.03	.02	1.23	.95	.76	.00	.00	.00
Logging	.00	.00	.00	.04	.04	.02	.00	.00	.00
Sawmill, planing and mill work	.02	.02	.01	.96	.74	.60	.00	.00	.00
Miscellaneous wood products	.01	.00	.01	.21	.16	.14	.00	.00	.00
Furniture and fixtures	.02	.01	.01	.53	.39	.22	.00	.00	.00
Stone, clay, and glass products	.05	.04	.04	.75	.53	.26	.00	.00	.00
Glass and glass products	.02	.02	.03	.25	.17	.08	.00	.00	.00
Cement, concrete, plaster	.00	.00	.00	.22	.16	.07	.00	.00	.00
Structural clay products	.00	.00	.00	.05	.03	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.03	.02	.00	.00	.00	.00
Miscellaneous nonmetallic, stone	.01	.00	.00	.18	.14	.09	.00	.00	.00
Primary metal industries	.16	.12	.12	2.40	1.60	1.03	.00	.00	.00
Blast furnaces, steel works	.11	.07	.08	1.16	.70	.43	.00	.00	.00
Other primary steel	.02	.02	.03	.60	.41	.28	.00	.00	.00
Primary aluminum	.00	.00	.00	.25	.20	.11	.00	.00	.00
Other primary nonferrous	.01	.01	.00	.39	.27	.19	.00	.00	.00
Fabricated metal products	.07	.07	.10	1.32	.87	.32	.00	.00	.00
Cutlery and other hardware	.01	.02	.03	.18	.14	.08	.00	.00	.00
Fabricated structural metal	.01	.01	.03	.33	.22	.08	.00	.00	.00
Screw machine products	.00	.00	.00	.10	.06	.01	.00	.00	.00
Metal stamping	.03	.01	.00	.27	.17	.05	.00	.00	.00
Miscellaneous fabricated metal	.01	.01	.02	.42	.26	.07	.00	.00	.00
Machinery except electrical	.08	.07	.05	1.89	1.33	.53	.00	.00	.00
Engines and turbines	.01	.00	.00	.14	.10	.02	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.16	.11	.05	.00	.00	.00
Construction machines	.02	.02	.01	.35	.26	.09	.00	.00	.00
Metalworking machinery	.00	.00	.00	.26	.18	.08	.00	.00	.00
Office and accounting machines	.00	.00	.00	.06	.03	.00	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.15	.11	.06	.00	.00	.00
Other machinery, exc electrical	.03	.02	.03	.74	.52	.20	.00	.00	.00
Electrical machinery	.09	.07	.06	2.25	1.35	.56	.00	.00	.00
Household appliances	.01	.00	.00	.21	.12	.04	.00	.00	.00
Radio, tv communications equip	.03	.02	.01	.86	.45	.26	.00	.00	.00
Other electrical machinery	.05	.04	.03	1.17	.76	.26	.00	.00	.00
Transportation equipment	.55	.32	.22	3.40	2.48	1.60	.00	.00	.00
Motor vehicles and equipment	.09	.08	.08	1.55	1.32	1.07	.00	.00	.00
Aircraft and parts	.19	.12	.07	1.12	.63	.23	.00	.00	.00
Ship, boat building and repair	.26	.11	.04	.48	.33	.15	.00	.00	.00
Railroad equipment	.00	.00	.00	.06	.05	.03	.00	.00	.00
Mobile dwellings	.00	.00	.00	.15	.12	.09	.00	.00	.00
Cycles, misc transportation	.00	.00	.00	.02	.02	.01	.00	.00	.00
Professional, scientific instrs	.06	.05	.08	.50	.37	.17	.00	.00	.00
Scientific instruments	.01	.01	.00	.17	.11	.03	.00	.00	.00
Optical, health serv supplies	.00	.00	.00	.10	.08	.02	.00	.00	.00
Photo equipment and supplies	.04	.04	.06	.19	.15	.10	.00	.00	.00
Watches and clock devices	.00	.00	.00	.03	.02	.01	.00	.00	.00
Miscellaneous manufacturing	.02	.02	.03	.36	.25	.14	.00	.00	.00
Nondurable goods	.37	.26	.22	8.74	5.99	4.25	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fire- fighters			Guards			Marshalls and constables		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.07	.05	.06	1.90	1.29	.81	.00	.00	.00
Meat	.01	.00	.01	.35	.25	.15	.00	.00	.00
Dairy	.01	.01	.01	.09	.05	.02	.00	.00	.00
Canning and preserving	.00	.00	.00	.42	.30	.24	.00	.00	.00
Grain mill	.01	.01	.01	.17	.13	.09	.00	.00	.00
Bakery	.00	.00	.00	.11	.07	.05	.00	.00	.00
Confectionery	.00	.00	.00	.07	.04	.00	.00	.00	.00
Beverages	.01	.00	.00	.37	.24	.15	.00	.00	.00
Miscellaneous food preparation	.01	.01	.01	.28	.18	.08	.00	.00	.00
Tobacco manufacturing	.00	.00	.00	.16	.10	.07	.00	.00	.00
Textile mill products	.00	.00	.00	1.30	.84	.65	.00	.00	.00
Knitting mills	.00	.00	.00	.27	.19	.21	.00	.00	.00
Dyeing, finishing textiles	.00	.00	.00	.14	.09	.04	.00	.00	.00
Floor coverings	.00	.00	.00	.12	.10	.14	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.64	.37	.19	.00	.00	.00
Miscellaneous textile mill	.00	.00	.00	.11	.07	.06	.00	.00	.00
Apparel and textile products	.00	.00	.00	.92	.70	.57	.00	.00	.00
Apparel and accessories	.00	.00	.00	.80	.59	.48	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.12	.10	.09	.00	.00	.00
Paper and allied products	.07	.04	.02	.84	.52	.30	.00	.00	.00
Pulp, paper paperboard mills	.05	.03	.02	.47	.27	.13	.00	.00	.00
Paperboard containers, boxes	.01	.01	.00	.17	.11	.11	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.18	.12	.05	.00	.00	.00
Printing and publishing	.01	.01	.00	.54	.40	.28	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.18	.14	.10	.00	.00	.00
Other printing, exc newspapers	.01	.00	.00	.36	.26	.18	.00	.00	.00
Chemicals and allied products	.17	.11	.11	1.90	1.27	.99	.00	.00	.00
Industrial chemicals	.09	.06	.05	.73	.48	.30	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.15	.09	.06	.00	.00	.00
Synthetic fibers	.03	.02	.04	.16	.12	.15	.00	.00	.00
Drugs and medicines	.00	.00	.00	.19	.15	.15	.00	.00	.00
Soaps and cosmetics	.00	.00	.00	.17	.12	.10	.00	.00	.00
Paints and varnishes	.00	.00	.00	.08	.05	.02	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.10	.07	.04	.00	.00	.00
Miscellaneous chemicals	.04	.02	.01	.29	.15	.14	.00	.00	.00
Petroleum and coal products	.04	.03	.01	.29	.20	.07	.00	.00	.00
Petroleum refining	.03	.02	.01	.24	.16	.05	.00	.00	.00
Misc petroleum, coal products	.00	.00	.00	.05	.03	.01	.00	.00	.00
Rubber, miscellaneous plastics	.00	.00	.00	.55	.48	.40	.00	.00	.00
Rubber	.00	.00	.00	.34	.25	.20	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.20	.23	.19	.00	.00	.00
Leather products	.00	.00	.00	.29	.16	.07	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.03	.02	.01	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.23	.13	.06	.00	.00	.00
All other leather	.00	.00	.00	.01	.00	.00	.00	.00	.00
Transportation, other public util	.43	.46	.46	3.49	2.67	2.36	.00	.00	.00
Transportation, total	.40	.42	.43	2.25	1.64	1.32	.00	.00	.00
Railroads and railway express	.05	.03	.02	.61	.34	.20	.00	.00	.00
Local and interurban transit	.00	.00	.00	.18	.12	.14	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.18	.12	.14	.00	.00	.00
Trucking and warehousing	.01	.00	.00	.47	.38	.33	.00	.00	.00
Trucking services	.00	.00	.00	.30	.26	.22	.00	.00	.00
Warehousing and storage	.00	.00	.00	.16	.12	.11	.00	.00	.00
Water transportation	.06	.05	.05	.56	.37	.15	.00	.00	.00
Air transportation	.27	.32	.34	.29	.29	.37	.00	.00	.00
Pipelines	.00	.00	.00	.01	.00	.00	.00	.00	.00
Transportation services	.00	.00	.00	.11	.12	.11	.00	.00	.00
Communicatns, utils, sanitary serv	.02	.03	.02	1.23	1.02	1.03	.00	.00	.00
Communications	.01	.01	.01	.23	.21	.28	.00	.00	.00
Telephone (wire and radio)	.00	.00	.00	.16	.15	.22	.00	.00	.00
Telegraph, misc communicatn serv	.01	.01	.01	.03	.03	.02	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.04	.03	.03	.00	.00	.00
Utilities and sanitary services	.01	.02	.01	.99	.81	.75	.00	.00	.00
Electric light and power	.01	.02	.01	.29	.26	.26	.00	.00	.00
Electric-gas utilities	.00	.00	.00	.15	.09	.12	.00	.00	.00
Gas steam supply systems	.00	.00	.00	.06	.03	.01	.00	.00	.00
Water supply	.00	.00	.00	.23	.18	.13	.00	.00	.00
Sanitary services	.00	.00	.00	.24	.22	.22	.00	.00	.00
Wholesale and retail trade	.13	.10	.05	6.62	5.95	4.97	.00	.00	.00
Wholesale trade	.05	.04	.03	1.64	1.37	.92	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fire- fighters			Guards			Marshalls and constables		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.03	.02	.01	1.01	.92	.74	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.14	.13	.12	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.07	.06	.05	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.04	.03	.03	.00	.00	.00
Food and related products	.01	.01	.00	.33	.28	.24	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.11	.12	.04	.00	.00	.00
Electrical goods	.01	.01	.01	.10	.09	.08	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.03	.03	.03	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.16	.16	.13	.00	.00	.00
Miscellaneous wholesale trade	.02	.02	.02	.62	.44	.18	.00	.00	.00
Metals and minerals, other	.00	.00	.00	.09	.06	.02	.00	.00	.00
Petroleum products	.00	.00	.00	.07	.05	.01	.00	.00	.00
Scrap and waste material	.00	.00	.00	.10	.09	.02	.00	.00	.00
Alcoholic beverages	.00	.00	.00	.02	.02	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.01	.00	.00	.00	.00	.00
Lumber,construction materials	.00	.00	.00	.15	.10	.06	.00	.00	.00
Other wholesale trade	.00	.00	.00	.15	.11	.04	.00	.00	.00
Retail trade	.07	.05	.01	4.98	4.57	4.04	.00	.00	.00
Building materials	.00	.00	.00	.18	.14	.05	.00	.00	.00
Lumber,building material	.00	.00	.00	.16	.12	.02	.00	.00	.00
Hardware and farm equipment	.00	.00	.00	.02	.01	.02	.00	.00	.00
General merchandise,total	.04	.02	.01	3.00	2.64	2.32	.00	.00	.00
Department stores,mail order	.01	.01	.00	2.62	2.36	2.05	.00	.00	.00
Limited price stores	.00	.00	.00	.13	.10	.11	.00	.00	.00
Miscellaneous merchadise store	.02	.01	.01	.22	.16	.14	.00	.00	.00
Food and dairy stores	.00	.00	.00	.49	.38	.43	.00	.00	.00
Grocery stores	.00	.00	.00	.46	.35	.41	.00	.00	.00
Food stores,cther	.00	.00	.00	.01	.02	.02	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.24	.19	.21	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.17	.11	.11	.00	.00	.00
Tire,battery,accessory dealrs	.00	.00	.00	.02	.02	.04	.00	.00	.00
Gasoline service stations	.00	.00	.00	.01	.01	.01	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.02	.03	.04	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.29	.29	.28	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.27	.27	.25	.00	.00	.00
Shoe stores	.00	.00	.00	.01	.01	.02	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.08	.07	.06	.00	.00	.00
Home furnishings	.00	.00	.00	.04	.03	.01	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.03	.04	.05	.00	.00	.00
Eating and drinking places	.01	.01	.00	.32	.51	.43	.00	.00	.00
Miscellaneous retail trade	.00	.00	.00	.34	.32	.22	.00	.00	.00
Drug stores	.00	.00	.00	.07	.06	.08	.00	.00	.00
Liquor stores	.00	.00	.00	.06	.06	.04	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.02	.02	.01	.00	.00	.00
Jewelry stores	.00	.00	.00	.05	.05	.04	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.03	.01	.00	.00	.00	.00
Misc retail trade stores	.00	.00	.00	.09	.08	.04	.00	.00	.00
Finance,insurance and real estate	.03	.02	.00	5.04	4.48	5.26	.00	.00	.00
Finance,total	.00	.00	.00	3.21	2.86	3.83	.00	.00	.00
Banking	.00	.00	.00	2.56	2.33	3.30	.00	.00	.00
Credit agencies	.00	.00	.00	.12	.10	.06	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.52	.42	.47	.00	.00	.00
Insurance	.00	.00	.00	.32	.24	.23	.00	.00	.00
Real estate	.02	.02	.00	1.50	1.37	1.19	.00	.00	.00
Services, total	1.06	1.03	.78	35.77	45.70	51.19	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fire- fighters			Guards			Marshalls and constables		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.98	1.06	1.08	.00	.00	.00
Hotels and motels	.00	.00	.00	.90	.98	.99	.00	.00	.00
Other lodging places	.00	.00	.00	.08	.07	.08	.00	.00	.00
Other personal services	.00	.00	.00	.28	.22	.13	.00	.00	.00
Laundering and cleaning	.00	.00	.00	.19	.10	.04	.00	.00	.00
Dressmaking shops	.00	.00	.00	.01	.02	.02	.00	.00	.00
Misc personal services	.00	.00	.00	.06	.10	.07	.00	.00	.00
Miscellaneous business services	.21	.24	.11	23.36	33.59	38.28	.00	.00	.00
Advertising	.00	.00	.00	.04	.03	.02	.00	.00	.00
Business management services	.00	.00	.00	.04	.04	.02	.00	.00	.00
Commercial research,development	.01	.01	.01	.14	.12	.07	.00	.00	.00
Computer programing	.00	.00	.00	.03	.04	.05	.00	.00	.00
Detective and protective serv	.14	.17	.07	22.27	32.52	37.70	.00	.00	.00
Employment, temporary help	.00	.00	.00	.18	.20	.11	.00	.00	.00
Services to buildings	.00	.00	.00	.22	.20	.10	.00	.00	.00
Other business services	.05	.05	.02	.41	.41	.17	.00	.00	.00
Automobile services	.00	.00	.00	.10	.08	.10	.00	.00	.00
Automobile repair	.00	.00	.00	.01	.01	.01	.00	.00	.00
Automobile services,exc repair	.00	.00	.00	.08	.06	.08	.00	.00	.00
Other repair services	.00	.00	.00	.05	.05	.01	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.04	.05	.01	.00	.00	.00
Motion pictures and theaters	.01	.00	.00	.24	.14	.20	.00	.00	.00
Miscellaneous entertainment	.02	.04	.03	1.11	1.46	.61	.00	.00	.00
Bowling alleys,billards	.00	.00	.00	.03	.02	.01	.00	.00	.00
Other entertainment	.02	.04	.03	1.07	1.43	.60	.00	.00	.00
Medical and other health service	.35	.30	.24	4.05	4.27	6.66	.00	.00	.00
Offices of physicians	.00	.00	.00	.02	.02	.03	.00	.00	.00
Hospitals	.33	.28	.24	3.52	3.64	5.88	.00	.00	.00
Convalescent institutions	.00	.00	.00	.29	.35	.57	.00	.00	.00
Other health services	.00	.00	.00	.20	.26	.16	.00	.00	.00
Legal services	.00	.00	.00	.01	.01	.01	.00	.00	.00
Educational services	.17	.15	.09	4.00	3.30	3.09	.00	.00	.00
Elementary and secondary school	.06	.04	.00	.84	.75	.72	.00	.00	.00
Colleges and universities	.09	.09	.08	2.92	2.29	2.12	.00	.00	.00
Libraries	.00	.00	.00	.05	.06	.12	.00	.00	.00
Other educational services	.01	.01	.01	.18	.18	.12	.00	.00	.00
Museums,art galleries,zoos	.00	.00	.00	.55	.58	.34	.00	.00	.00
Nonprofit organizations	.24	.23	.25	.73	.64	.53	.00	.00	.00
Religious organizations	.00	.00	.00	.12	.13	.11	.00	.00	.00
Welfare services	.00	.00	.00	.26	.17	.08	.00	.00	.00
Residential welfare services	.00	.00	.00	.06	.06	.03	.00	.00	.00
Nonprofit membership organiztns	.23	.23	.24	.27	.26	.30	.00	.00	.00
Other professional services	.03	.04	.02	.27	.25	.10	.00	.00	.00
Engineering and architectural	.00	.00	.00	.07	.08	.04	.00	.00	.00
Accounting and auditing	.00	.00	.00	.01	.01	.00	.00	.00	.00
Miscellaneous professional serv	.02	.04	.02	.18	.15	.05	.00	.00	.00
Government, total	96.39	96.98	97.37	21.92	22.46	24.31	100.00	100.00	100.00
Federal public administration	4.34	3.07	5.66	3.78	3.15	4.05	15.40	14.91	20.09
Postal services	.00	.00	.00	.28	.34	.46	.00	.00	.00
Federal pub adm,exc post office	4.34	3.07	5.66	3.49	2.80	3.58	15.40	14.91	20.09
State public administration	.59	.62	.62	10.19	10.86	13.79	4.93	5.32	5.15
Local public administration	91.45	93.28	91.08	7.94	8.44	6.46	79.66	79.76	74.75

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Police and detectives			Sheriffs and bailiffs			Private household workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.02	.01	.00	.00	.00	.00	.00	.00	.00
Agriculture	.01	.00	.00	.00	.00	.00	.00	.00	.00
Agricultural production	.01	.00	.00	.00	.00	.00	.00	.00	.00
Mining	.01	.01	.00	.00	.00	.00	.00	.00	.00
Construction	.17	.07	.00	.00	.00	.00	.00	.00	.00
General contractors,exc building	.16	.06	.00	.00	.00	.00	.00	.00	.00
Manufacturing	.40	.25	.13	.00	.00	.00	.00	.00	.00
Durable goods	.31	.19	.10	.00	.00	.00	.00	.00	.00
Ordnance	.03	.01	.00	.00	.00	.00	.00	.00	.00
Furniture and fixtures	.00	.00	.01	.00	.00	.00	.00	.00	.00
Primary metal industries	.07	.04	.01	.00	.00	.00	.00	.00	.00
Blast furnaces,steel works	.04	.02	.00	.00	.00	.00	.00	.00	.00
Other primary steel	.01	.00	.00	.00	.00	.00	.00	.00	.00
Other primary nonferrous	.01	.00	.00	.00	.00	.00	.00	.00	.00
Fabricated metal products	.01	.01	.02	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.00	.00	.01	.00	.00	.00	.00	.00	.00
Miscellaneous fabricated metal	.01	.00	.01	.00	.00	.00	.00	.00	.00
Machinery except electrical	.03	.02	.01	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.01	.01	.01	.00	.00	.00	.00	.00	.00
Electrical machinery	.04	.02	.00	.00	.00	.00	.00	.00	.00
Radio,tv communications equip	.02	.01	.00	.00	.00	.00	.00	.00	.00
Other electrical machinery	.01	.01	.00	.00	.00	.00	.00	.00	.00
Transportation equipment	.08	.04	.02	.00	.00	.00	.00	.00	.00
Motor vehicles and equipment	.02	.01	.01	.00	.00	.00	.00	.00	.00
Aircraft and parts	.01	.00	.00	.00	.00	.00	.00	.00	.00
Ship,boat building and repair	.04	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.01	.00	.00	.00	.00	.00	.00
Nondurable goods	.09	.05	.02	.00	.00	.00	.00	.00	.00
Food and kindred products	.02	.01	.01	.00	.00	.00	.00	.00	.00
Canning and preserving	.01	.01	.01	.00	.00	.00	.00	.00	.00
Textile mill products	.00	.00	.01	.00	.00	.00	.00	.00	.00
Yarn and fabric mills	.00	.00	.01	.00	.00	.00	.00	.00	.00
Paper and allied products	.01	.00	.00	.00	.00	.00	.00	.00	.00
Pulp,paper paperboard mills	.01	.00	.00	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.02	.01	.00	.00	.00	.00	.00	.00	.00
Industrial chemicals	.02	.01	.00	.00	.00	.00	.00	.00	.00
Transportation, other public util	.85	.58	.45	.00	.00	.00	.00	.00	.00
Transportation,total	.76	.49	.40	.00	.00	.00	.00	.00	.00
Railroads and railway express	.40	.19	.11	.00	.00	.00	.00	.00	.00
Local and interurban transit	.13	.09	.12	.00	.00	.00	.00	.00	.00
Street railways and bus lines	.13	.09	.12	.00	.00	.00	.00	.00	.00
Trucking and warehousing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Water transportation	.08	.06	.04	.00	.00	.00	.00	.00	.00
Air transportation	.09	.10	.10	.00	.00	.00	.00	.00	.00
Transportation services	.04	.04	.02	.00	.00	.00	.00	.00	.00
Communicatns,utils,sanitary serv	.09	.08	.04	.00	.00	.00	.00	.00	.00
Communications	.03	.03	.03	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.02	.02	.03	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.05	.05	.01	.00	.00	.00	.00	.00	.00
Electric light and power	.02	.02	.00	.00	.00	.00	.00	.00	.00
Electric-gas utilities	.01	.00	.00	.00	.00	.00	.00	.00	.00
Sanitary services	.01	.01	.01	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	.73	.64	.42	.00	.00	.00	.00	.00	.00
Wholesale trade	.03	.02	.01	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Police and detectives			Sheriffs and bailiffs			Private household workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.01	.01	.01	.00	.00	.00	.00	.00	.00
Retail trade	.70	.61	.41	.00	.00	.00	.00	.00	.00
General merchandise,total	.56	.50	.35	.00	.00	.00	.00	.00	.00
Department stores,mail order	.50	.45	.31	.00	.00	.00	.00	.00	.00
Limited price stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous merchadise store	.04	.03	.02	.00	.00	.00	.00	.00	.00
Food and dairy stores	.04	.03	.00	.00	.00	.00	.00	.00	.00
Grocery stores	.04	.02	.00	.00	.00	.00	.00	.00	.00
Auto dealers,gas stations	.01	.01	.00	.00	.00	.00	.00	.00	.00
Apparel and accessory stores	.03	.03	.03	.00	.00	.00	.00	.00	.00
Apparel,accessory,except shoes	.03	.03	.03	.00	.00	.00	.00	.00	.00
Eating and drinking places	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.02	.02	.01	.00	.00	.00	.00	.00	.00
Drug stores	.01	.01	.01	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.01	.00	.00	.00	.00	.00	.00	.00	.00
Finance,insurance and real estate	.24	.26	.21	.00	.00	.00	.00	.00	.00
Finance,total	.09	.06	.00	.00	.00	.00	.00	.00	.00
Banking	.07	.04	.00	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.02	.01	.00	.00	.00	.00	.00	.00	.00
Real estate	.14	.19	.20	.00	.00	.00	.00	.00	.00
Services, total	4.48	4.59	3.18	.00	.00	.00	100.00	100.00	100.00
Hotels and lodging place	.07	.07	.06	.00	.00	.00	.00	.00	.00
Hotels and motels	.07	.07	.06	.00	.00	.00	.00	.00	.00
Other personal services	.00	.01	.00	.00	.00	.00	.00	.00	.00
Barber shops	.00	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous business services	2.84	3.15	2.25	.00	.00	.00	.00	.00	.00
Detective and protective serv	2.75	3.07	2.22	.00	.00	.00	.00	.00	.00
Employment,temporary help	.00	.01	.01	.00	.00	.00	.00	.00	.00
Services to buildings	.01	.00	.00	.00	.00	.00	.00	.00	.00
Other business services	.05	.04	.00	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	.08	.09	.01	.00	.00	.00	.00	.00	.00
Other entertainment	.08	.09	.01	.00	.00	.00	.00	.00	.00
Medical and other health service	.23	.22	.18	.00	.00	.00	.00	.00	.00
Hospitals	.19	.18	.18	.00	.00	.00	.00	.00	.00
Other health services	.02	.02	.00	.00	.00	.00	.00	.00	.00
Legal services	.09	.12	.11	.00	.00	.00	.00	.00	.00
Educational services	.97	.78	.51	.00	.00	.00	.00	.00	.00
Elementary and secondary school	.11	.07	.00	.00	.00	.00	.00	.00	.00
Colleges and universities	.84	.69	.51	.00	.00	.00	.00	.00	.00
Other educational services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Museums,art galleries,zoos	.01	.01	.00	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.10	.06	.01	.00	.00	.00	.00	.00	.00
Welfare services	.08	.04	.00	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztas	.01	.01	.00	.00	.00	.00	.00	.00	.00
Private househclds	.00	.00	.00	.00	.00	.00	100.00	100.00	100.00
Other professional services	.03	.03	.01	.00	.00	.00	.00	.00	.00
Accounting and auditing	.00	.00	.01	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.02	.02	.00	.00	.00	.00	.00	.00	.00
Government,total	93.05	93.56	95.57	100.00	100.00	100.00	.00	.00	.00
Federal public administration	4.40	3.25	3.21	.77	.57	.54	.00	.00	.00
Postal services	.07	.09	.06	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	4.33	3.16	3.14	.77	.57	.54	.00	.00	.00
State public administration	11.65	12.35	8.51	2.57	2.72	2.70	.00	.00	.00
Local public administration	77.00	77.95	83.84	96.65	96.70	96.75	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Child care workers			Cooks			House-keepers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Services, total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Private households	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Launderers			Cleaners and servants			Laborers, except farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	.00	.00	.00	.00	.00	.00	5.30	7.19	6.66
Agriculture	.00	.00	.00	.00	.00	.00	4.13	5.73	5.76
Services,except horticulture	.00	.00	.00	.00	.00	.00	1.06	1.42	1.80
Horticultural services	.00	.00	.00	.00	.00	.00	3.07	4.31	3.95
Forestry	.00	.00	.00	.00	.00	.00	.33	.32	.22
Fisheries	.00	.00	.00	.00	.00	.00	.83	1.12	.68
Mining	.00	.00	.00	.00	.00	.00	.78	.85	.81
Metal	.00	.00	.00	.00	.00	.00	.11	.10	.12
Coal	.00	.00	.00	.00	.00	.00	.28	.34	.37
Crude petroleum and natural gas	.00	.00	.00	.00	.00	.00	.13	.18	.14
Nonmetallic mining and quarrying	.00	.00	.00	.00	.00	.00	.24	.22	.18
Construction	.00	.00	.00	.00	.00	.00	19.60	18.37	19.26
General building contractors	.00	.00	.00	.00	.00	.00	5.36	4.80	6.12
General contractors,exc building	.00	.00	.00	.00	.00	.00	9.03	8.5*	9.35
Special trade contractors	.00	.00	.00	.00	.00	.00	5.20	5.06	3.78
Manufacturing	.00	.00	.00	.00	.00	.00	24.75	20.86	18.56
Durable goods	.00	.00	.00	.00	.00	.00	15.92	13.88	13.14
Ordnance	.00	.00	.00	.00	.00	.00	.29	.13	.13
Lumber and wood products	.00	.00	.00	.00	.00	.00	4.19	3.74	2.77
Logging	.00	.00	.00	.00	.00	.00	1.71	1.67	1.08
Sawmill,planing and mill work	.00	.00	.00	.00	.00	.00	2.20	1.85	1.51
Miscellaneous wood products	.00	.00	.00	.00	.00	.00	.26	.21	.16
Furniture and fixtures	.00	.00	.00	.00	.00	.00	.47	.45	.52
Stone,clay,and glass products	.00	.00	.00	.00	.00	.00	1.29	1.06	.74
Glass and glass products	.00	.00	.00	.00	.00	.00	.28	.24	.18
Cement,concrete,plaster	.00	.00	.00	.00	.00	.00	.39	.34	.26
Structural clay products	.00	.00	.00	.00	.00	.00	.32	.21	.09
Pottery and related products	.00	.00	.00	.00	.00	.00	.08	.07	.05
Miscellaneous nonmetallic,stone	.00	.00	.00	.00	.00	.00	.20	.18	.14
Primary metal industries	.00	.00	.00	.00	.00	.00	3.63	2.65	2.36
Blast furnaces,steel works	.00	.00	.00	.00	.00	.00	2.05	1.36	1.09
Other primary steel	.00	.00	.00	.00	.00	.00	1.06	.81	.77
Primary aluminum	.00	.00	.00	.00	.00	.00	.21	.21	.18
Other primary nonferrous	.00	.00	.00	.00	.00	.00	.30	.26	.31
Fabricated metal products	.00	.00	.00	.00	.00	.00	1.80	1.71	1.90
Cutlery and other hardware	.00	.00	.00	.00	.00	.00	.14	.14	.16
Fabricated structural metal	.00	.00	.00	.00	.00	.00	.48	.44	.41
Screw machine products	.00	.00	.00	.00	.00	.00	.11	.11	.12
Metal stamping	.00	.00	.00	.00	.00	.00	.31	.30	.39
Miscellaneous fabricated metal	.00	.00	.00	.00	.00	.00	.74	.71	.80
Machinery except electrical	.00	.00	.00	.00	.00	.00	1.19	1.25	1.62
Engines and turbines	.00	.00	.00	.00	.00	.00	.10	.11	.13
Farm machinery and equipment	.00	.00	.00	.00	.00	.00	.13	.12	.10
Construction machines	.00	.00	.00	.00	.00	.00	.26	.30	.40
Metalworking machinery	.00	.00	.00	.00	.00	.00	.14	.14	.20
Office and accounting machines	.00	.00	.00	.00	.00	.00	.03	.02	.01
Electronic computing equipment	.00	.00	.00	.00	.00	.00	.03	.03	.06
Other machinery,exc electrical	.00	.00	.00	.00	.00	.00	.48	.51	.71
Electrical machinery	.00	.00	.00	.00	.00	.00	1.06	1.03	1.35
Household appliances	.00	.00	.00	.00	.00	.00	.15	.13	.18
Radio, tv communications equip	.00	.00	.00	.00	.00	.00	.25	.21	.21
Other electrical machinery	.00	.00	.00	.00	.00	.00	.65	.68	.95
Transportation equipment	.00	.00	.00	.00	.00	.00	1.49	1.38	1.28
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.85	.84	.70
Aircraft and parts	.00	.00	.00	.00	.00	.00	.16	.10	.04
Ship,boat building and repair	.00	.00	.00	.00	.00	.00	.29	.23	.18
Railroad equipment	.00	.00	.00	.00	.00	.00	.07	.07	.08
Mobile dwellings	.00	.00	.00	.00	.00	.00	.09	.09	.22
Cycles,misc transportation	.00	.00	.00	.00	.00	.00	.02	.03	.04
Professional,scientific instrs	.00	.00	.00	.00	.00	.00	.18	.20	.23
Scientific instruments	.00	.00	.00	.00	.00	.00	.05	.05	.06
Optical,health serv supplies	.00	.00	.00	.00	.00	.00	.05	.08	.11
Photo equipment and supplies	.00	.00	.00	.00	.00	.00	.05	.04	.04
Watches and clock devices	.00	.00	.00	.00	.00	.00	.02	.01	.01
Miscellaneous manufacturing	.00	.00	.00	.00	.00	.00	.29	.24	.19
Nondurable goods	.00	.00	.00	.00	.00	.00	8.82	6.98	5.42

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Launderers			Cleaners and servants			Laborers, except farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.00	.00	.00	.00	.00	.00	3.51	2.67	1.81
Meat	.00	.00	.00	.00	.00	.00	.73	.60	.43
Dairy	.00	.00	.00	.00	.00	.00	.51	.31	.16
Canning and preserving	.00	.00	.00	.00	.00	.00	.49	.39	.29
Grain mill	.00	.00	.00	.00	.00	.00	.36	.29	.20
Bakery	.00	.00	.00	.00	.00	.00	.34	.23	.11
Confectionery	.00	.00	.00	.00	.00	.00	.09	.06	.03
Beverages	.00	.00	.00	.00	.00	.00	.59	.46	.35
Miscellaneous food preparation	.00	.00	.00	.00	.00	.00	.38	.30	.20
Tobacco manufacturing	.00	.00	.00	.00	.00	.00	.13	.08	.04
Textile mill products	.00	.00	.00	.00	.00	.00	1.12	.84	.73
Knitting mills	.00	.00	.00	.00	.00	.00	.19	.15	.16
Dyeing,finishing textiles	.00	.00	.00	.00	.00	.00	.08	.06	.04
Floor coverings	.00	.00	.00	.00	.00	.00	.04	.03	.04
Yarn and fabric mills	.00	.00	.00	.00	.00	.00	.71	.52	.42
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.08	.06	.05
Apparel and textile products	.00	.00	.00	.00	.00	.00	.62	.53	.38
Apparel and accessories	.00	.00	.00	.00	.00	.00	.49	.40	.28
Miscellaneous fabricated textile	.00	.00	.00	.00	.00	.00	.13	.12	.09
Paper and allied products	.00	.00	.00	.00	.00	.00	.96	.72	.56
Pulp,paper paperboard mills	.00	.00	.00	.00	.00	.00	.45	.31	.21
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.31	.22	.19
Miscellaneous paper and pulp	.00	.00	.00	.00	.00	.00	.20	.17	.14
Printing and publishing	.00	.00	.00	.00	.00	.00	.49	.41	.30
Newspaper publishing, printing	.00	.00	.00	.00	.00	.00	.15	.13	.12
Other printing,exc newspapers	.00	.00	.00	.00	.00	.00	.34	.28	.18
Chemicals and allied products	.00	.00	.00	.00	.00	.00	.96	.82	.89
Industrial chemicals	.00	.00	.00	.00	.00	.00	.25	.22	.28
Plastics and synthetics	.00	.00	.00	.00	.00	.00	.08	.06	.06
Synthetic filters	.00	.00	.00	.00	.00	.00	.07	.06	.07
Drugs and medicines	.00	.00	.00	.00	.00	.00	.10	.10	.08
Soaps and cosmetics	.00	.00	.00	.00	.00	.00	.13	.12	.13
Paints and varnishes	.00	.00	.00	.00	.00	.00	.06	.05	.04
Agricultural chemicals	.00	.00	.00	.00	.00	.00	.10	.09	.07
Miscellaneous chemicals	.00	.00	.00	.00	.00	.00	.14	.09	.13
Petroleum and coal products	.00	.00	.00	.00	.00	.00	.18	.16	.12
Petroleum refining	.00	.00	.00	.00	.00	.00	.11	.10	.06
Misc petroleum,coal products	.00	.00	.00	.00	.00	.00	.06	.06	.06
Rubber,miscellaneous plastics	.00	.00	.00	.00	.00	.00	.60	.57	.45
Rubber	.00	.00	.00	.00	.00	.00	.38	.29	.21
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.21	.27	.23
Leather products	.00	.00	.00	.00	.00	.00	.21	.14	.09
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.07	.05	.02
Footwear, except rubber	.00	.00	.00	.00	.00	.00	.09	.07	.05
All other leather	.00	.00	.00	.00	.00	.00	.03	.02	.02
Transportation, other public util	.00	.00	.00	.00	.00	.00	11.94	10.87	10.73
Transportation,total	.00	.00	.00	.00	.00	.00	7.12	6.22	5.39
Railroads and railway express	.00	.00	.00	.00	.00	.00	2.27	1.54	1.38
Local and interurban transit	.00	.00	.00	.00	.00	.00	.19	.12	.19
Street railways and bus lines	.00	.00	.00	.00	.00	.00	.18	.12	.19
Trucking and warehousing	.00	.00	.00	.00	.00	.00	2.58	2.58	2.03
Trucking services	.00	.00	.00	.00	.00	.00	2.10	2.16	1.69
Warehousing and storage	.00	.00	.00	.00	.00	.00	.47	.42	.33
Water transportation	.00	.00	.00	.00	.00	.00	1.46	1.29	1.00
Air transportation	.00	.00	.00	.00	.00	.00	.40	.38	.37
Pipelines	.00	.00	.00	.00	.00	.00	.03	.02	.01
Transportation services	.00	.00	.00	.00	.00	.00	.18	.25	.38
Communicatns,utils,sanitary serv	.00	.00	.00	.00	.00	.00	4.82	4.65	5.34
Communications	.00	.00	.00	.00	.00	.00	.12	.11	.11
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.09	.08	.07
Radio and tv broadcasting	.00	.00	.00	.00	.00	.00	.02	.02	.03
Utilities and sanitary services	.00	.00	.00	.00	.00	.00	4.70	4.54	5.22
Electric light and power	.00	.00	.00	.00	.00	.00	.44	.49	.41
Electric-gas utilities	.00	.00	.00	.00	.00	.00	.22	.20	.20
Gas steam supply systems	.00	.00	.00	.00	.00	.00	.23	.17	.11
Water supply	.00	.00	.00	.00	.00	.00	.32	.27	.22
Sanitary services	.00	.00	.00	.00	.00	.00	3.40	3.33	4.19
Other utilities	.00	.00	.00	.00	.00	.00	.06	.05	.07
Wholesale and retail trade	.00	.00	.00	.00	.00	.00	22.52	25.31	26.69
Wholesale trade	.00	.00	.00	.00	.00	.00	6.93	7.11	6.52

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Launderers			Cleaners and servants			Laborers, except farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	.00	.00	.00	.00	.00	.00	4.07	4.31	3.75
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.45	.51	.55
Drugs,chemicals,allied product	.00	.00	.00	.00	.00	.00	.49	.48	.38
Dry goods and apparel	.00	.00	.00	.00	.00	.00	.20	.18	.18
Food and related products	.00	.00	.00	.00	.00	.00	1.48	1.43	1.16
Farm products-raw materials	.00	.00	.00	.00	.00	.00	.30	.40	.16
Electrical goods	.00	.00	.00	.00	.00	.00	.30	.31	.35
Hardware and plumbing	.00	.00	.00	.00	.00	.00	.30	.33	.33
Machinery equipment,supplies	.00	.00	.00	.00	.00	.00	.52	.63	.62
Miscellaneous wholesale trade	.00	.00	.00	.00	.00	.00	2.85	2.80	2.77
Metals and minerals, other	.00	.00	.00	.00	.00	.00	.30	.26	.29
Petroleum products	.00	.00	.00	.00	.00	.00	.14	.13	.08
Scrap and waste material	.00	.00	.00	.00	.00	.00	.60	.63	.55
Alcoholic beverages	.00	.00	.00	.00	.00	.00	.20	.22	.18
Paper and paper products	.00	.00	.00	.00	.00	.00	.22	.19	.21
Lumber,construction materials	.00	.00	.00	.00	.00	.00	.40	.37	.45
Other wholesale trade	.00	.00	.00	.00	.00	.00	.97	.97	.98
Retail trade	.00	.00	.00	.00	.00	.00	15.58	18.20	20.16
Building materials	.00	.00	.00	.00	.00	.00	.84	.82	.47
Lumber,building material	.00	.00	.00	.00	.00	.00	.71	.71	.40
Hardware and farm equipment	.00	.00	.00	.00	.00	.00	.12	.10	.07
General merchandise,total	.00	.00	.00	.00	.00	.00	2.11	2.34	3.07
Department stores,mail order	.00	.00	.00	.00	.00	.00	1.40	1.72	2.36
Limited price stores	.00	.00	.00	.00	.00	.00	.35	.25	.10
Vending machine operators	.00	.00	.00	.00	.00	.00	.02	.02	.04
Direct selling	.00	.00	.00	.00	.00	.00	.03	.03	.04
Miscellaneous merchadise store	.00	.00	.00	.00	.00	.00	.30	.30	.52
Food and dairy stores	.00	.00	.00	.00	.00	.00	9.45	11.23	12.84
Grocery stores	.00	.00	.00	.00	.00	.00	9.29	11.02	12.66
Dairy products	.00	.00	.00	.00	.00	.00	.03	.04	.03
Retail bakeries	.00	.00	.00	.00	.00	.00	.04	.04	.04
Food stores,cther	.00	.00	.00	.00	.00	.00	.08	.11	.10
Auto dealers,gas stations	.00	.00	.00	.00	.00	.00	.95	1.14	1.11
Motor vehicle dealers	.00	.00	.00	.00	.00	.00	.75	.86	.76
Tire,battery,accessory dealrs	.00	.00	.00	.00	.00	.00	.09	.14	.19
Gasoline service stations	.00	.00	.00	.00	.00	.00	.07	.08	.06
Miscellaneous vehicle dealers	.00	.00	.00	.00	.00	.00	.03	.05	.08
Apparel and accessory stores	.00	.00	.00	.00	.00	.00	.34	.36	.23
Apparel,accessory,except shoes	.00	.00	.00	.00	.00	.00	.25	.25	.11
Shoe stores	.00	.00	.00	.00	.00	.00	.08	.10	.11
Furniture and appliance stores	.00	.00	.00	.00	.00	.00	.35	.36	.30
Home furnishings	.00	.00	.00	.00	.00	.00	.28	.27	.24
Household appliances,tv,radio	.00	.00	.00	.00	.00	.00	.07	.08	.06
Eating and drinking places	.00	.00	.00	.00	.00	.00	.15	.29	.32
Miscellaneous retail trade	.00	.00	.00	.00	.00	.00	1.37	1.62	1.80
Drug stores	.00	.00	.00	.00	.00	.00	.40	.38	.34
Liquor stores	.00	.00	.00	.00	.00	.00	.12	.16	.10
Farm,garden supply stores	.00	.00	.00	.00	.00	.00	.34	.45	.56
Jewelry stores	.00	.00	.00	.00	.00	.00	.02	.02	.00
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.07	.04	.02
Retail florists	.00	.00	.00	.00	.00	.00	.10	.11	.11
Misc retail trade stores	.00	.00	.00	.00	.00	.00	.29	.43	.63
Finance,insurance and real estate	.00	.00	.00	.00	.00	.00	1.30	1.52	1.48
Finance,total	.00	.00	.00	.00	.00	.00	.04	.04	.08
Banking	.00	.00	.00	.00	.00	.00	.02	.02	.06
Credit agencies	.00	.00	.00	.00	.00	.00	.00	.00	.01
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.01
Insurance	.00	.00	.00	.00	.00	.00	.04	.03	.02
Real estate	.00	.00	.00	.00	.00	.00	1.22	1.45	1.37
Services, total	100.00	100.00	100.00	100.00	100.00	100.00	10.48	11.10	12.51

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Launderers			Cleaners and servants			Laborers, except farm		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.00	.00	.00	.26	.31	.37
Hotels and motels	.00	.00	.00	.00	.00	.00	.16	.20	.22
Other lodging places	.00	.00	.00	.00	.00	.00	.10	.10	.14
Other personal services	.00	.00	.00	.00	.00	.00	.49	.38	.20
Laundering and cleaning	.00	.00	.00	.00	.00	.00	.41	.24	.09
Misc personal services	.00	.00	.00	.00	.00	.00	.07	.13	.10
Miscellaneous business services	.00	.00	.00	.00	.00	.00	.48	.65	1.09
Advertising	.00	.00	.00	.00	.00	.00	.01	.00	.00
Business management services	.00	.00	.00	.00	.00	.00	.00	.00	.01
Commercial research,development	.00	.00	.00	.00	.00	.00	.02	.03	.06
Computer programing	.00	.00	.00	.00	.00	.00	.00	.00	.01
Detective and protective serv	.00	.00	.00	.00	.00	.00	.01	.02	.04
Employment,temporary help	.00	.00	.00	.00	.00	.00	.01	.01	.03
Services to buildings	.00	.00	.00	.00	.00	.00	.08	.11	.29
Other business services	.00	.00	.00	.00	.00	.00	.32	.43	.62
Automobile services	.00	.00	.00	.00	.00	.00	1.07	1.29	1.56
Automobile repair	.00	.00	.00	.00	.00	.00	.04	.07	.05
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	1.02	1.21	1.50
Other repair services	.00	.00	.00	.00	.00	.00	.25	.35	.34
Electrical repair	.00	.00	.00	.00	.00	.00	.01	.01	.02
Other repair,exc electrical	.00	.00	.00	.00	.00	.00	.24	.34	.32
Motion pictures and theaters	.00	.00	.00	.00	.00	.00	.12	.08	.12
Miscellaneous entertainment	.00	.00	.00	.00	.00	.00	1.01	1.98	2.26
Bowling alleys,billardards	.00	.00	.00	.00	.00	.00	.01	.02	.01
Other entertainment	.00	.00	.00	.00	.00	.00	.99	1.96	2.25
Medical and other health service	.00	.00	.00	.00	.00	.00	.72	.96	1.79
Offices of physicians	.00	.00	.00	.00	.00	.00	.03	.02	.03
Offices of dentists	.00	.00	.00	.00	.00	.00	.01	.01	.00
Hospitals	.00	.00	.00	.00	.00	.00	.56	.72	1.25
Convalescent institutions	.00	.00	.00	.00	.00	.00	.06	.11	.39
Other health services	.00	.00	.00	.00	.00	.00	.04	.09	.09
Educational services	.00	.00	.00	.00	.00	.00	1.11	1.55	2.00
Elementary and secondary school	.00	.00	.00	.00	.00	.00	.41	.63	.69
Colleges and universities	.00	.00	.00	.00	.00	.00	.67	.88	1.24
Libraries	.00	.00	.00	.00	.00	.00	.00	.00	.01
Other educational services	.00	.00	.00	.00	.00	.00	.02	.03	.05
Museums,art galleries,zooos	.00	.00	.00	.00	.00	.00	.08	.16	.31
Nonprofit organizations	.00	.00	.00	.00	.00	.00	.39	.47	.67
Religious organizations	.00	.00	.00	.00	.00	.00	.12	.16	.20
Welfare services	.00	.00	.00	.00	.00	.00	.10	.11	.22
Residential welfare services	.00	.00	.00	.00	.00	.00	.00	.01	.04
Nonprofit membership organiztns	.00	.00	.00	.00	.00	.00	.15	.18	.21
Private households	100.00	100.00	100.00	100.00	100.00	100.00	4.38	2.76	1.63
Other professional services	.00	.00	.00	.00	.00	.00	.07	.10	.14
Engineering and architectural	.00	.00	.00	.00	.00	.00	.03	.04	.05
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.04	.05	.08
Government,total	.00	.00	.00	.00	.00	.00	3.28	3.88	3.24
Federal public administration	.00	.00	.00	.00	.00	.00	1.47	1.64	1.14
Postal services	.00	.00	.00	.00	.00	.00	.69	.95	.60
Federal pub adm,exc post office	.00	.00	.00	.00	.00	.00	.78	.69	.54
State public administration	.00	.00	.00	.00	.00	.00	.31	.40	.22
Local public administration	.00	.00	.00	.00	.00	.00	1.49	1.83	1.87

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Animal caretakers, except farm			Carpenters' helpers			Constr labr ex carpentr helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>Agriculture,forestry,fisheries</b>	<b>54.93</b>	<b>51.06</b>	<b>54.95</b>	<b>.15</b>	<b>.25</b>	<b>.29</b>	<b>.17</b>	<b>.20</b>	<b>.10</b>
Agriculture	53.52	49.32	52.86	.05	.07	.04	.13	.16	.09
Services,except horticulture	53.52	49.32	52.86	.02	.03	.02	.02	.02	.00
Horticultural services	.00	.00	.00	.03	.04	.01	.11	.14	.08
Forestry	.01	.01	.00	.05	.11	.13	.03	.03	.00
Fisheries	1.39	1.71	2.07	.03	.06	.10	.00	.00	.00
<b>Mining</b>	<b>.08</b>	<b>.08</b>	<b>.04</b>	<b>.43</b>	<b>.57</b>	<b>.97</b>	<b>.66</b>	<b>.72</b>	<b>.44</b>
Metal	.00	.00	.00	.16	.18	.36	.09	.08	.08
Coal	.03	.02	.01	.06	.09	.15	.11	.12	.09
Crude petroleum and natural gas	.05	.05	.02	.07	.13	.22	.26	.32	.14
Nonmetallic mining and quarrying	.00	.00	.00	.13	.15	.22	.20	.18	.11
<b>Construction</b>	<b>.00</b>	<b>.00</b>	<b>.00</b>	<b>78.14</b>	<b>73.59</b>	<b>54.64</b>	<b>86.21</b>	<b>87.13</b>	<b>90.18</b>
General building contractors	.00	.00	.00	55.13	47.08	24.83	19.26	19.98	28.72
General contractors,exc building	.00	.00	.00	6.70	7.64	10.42	43.63	43.19	45.07
Special trade contractors	.00	.00	.00	16.30	18.87	19.38	23.31	23.94	16.38
<b>Manufacturing</b>	<b>3.24</b>	<b>2.36</b>	<b>1.56</b>	<b>10.48</b>	<b>11.65</b>	<b>21.22</b>	<b>4.52</b>	<b>3.63</b>	<b>2.79</b>
Durable goods	.00	.00	.00	8.68	9.93	18.37	3.57	2.87	2.25
Ordnance	.00	.00	.00	.08	.04	.03	.03	.01	.01
Lumber and wood products	.00	.00	.00	1.63	1.85	2.98	.17	.12	.06
Logging	.00	.00	.00	.03	.05	.04	.01	.00	.00
Sawmill,planing and mill work	.00	.00	.00	1.18	1.34	2.44	.11	.08	.04
Miscellaneous wood products	.00	.00	.00	.41	.45	.48	.04	.03	.01
Furniture and fixtures	.00	.00	.00	2.19	2.65	5.95	.04	.03	.01
Stone,clay,and glass products	.00	.00	.00	1.19	1.35	2.22	.68	.60	.43
Glass and glass products	.00	.00	.00	.05	.06	.09	.02	.01	.00
Cement,concrete,plaster	.00	.00	.00	1.03	1.17	1.92	.49	.45	.36
Structural clay products	.00	.00	.00	.01	.01	.01	.08	.05	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.09	.10	.18	.07	.07	.06
Primary metal industries	.00	.00	.00	.73	.67	.85	1.15	.77	.55
Blast furnaces,steel works	.00	.00	.00	.23	.18	.19	.76	.46	.34
Other primary steel	.00	.00	.00	.18	.19	.37	.17	.12	.04
Primary aluminum	.00	.00	.00	.17	.17	.18	.07	.07	.06
Other primary nonferrous	.00	.00	.00	.14	.11	.09	.13	.11	.10
Fabricated metal products	.00	.00	.00	.56	.66	1.36	.39	.34	.22
Cutlery and other hardware	.00	.00	.00	.01	.01	.02	.03	.03	.01
Fabricated structural metal	.00	.00	.00	.36	.45	1.07	.20	.16	.07
Metal stamping	.00	.00	.00	.00	.00	.00	.03	.03	.03
Miscellaneous fabricated metal	.00	.00	.00	.18	.19	.27	.12	.11	.09
Machinery except electrical	.00	.00	.00	.24	.28	.57	.27	.29	.32
Engines and turbines	.00	.00	.00	.03	.02	.01	.03	.03	.04
Farm machinery and equipment	.00	.00	.00	.01	.01	.02	.01	.01	.00
Construction machines	.00	.00	.00	.05	.05	.04	.08	.09	.11
Metalworking machinery	.00	.00	.00	.02	.02	.05	.02	.02	.03
Other machinery,exc electrical	.00	.00	.00	.11	.15	.43	.09	.10	.12
Electrical machinery	.00	.00	.00	.09	.10	.15	.15	.15	.17
Household appliances	.00	.00	.00	.00	.01	.02	.00	.00	.00
Radio, tv communications equip	.00	.00	.00	.08	.09	.13	.03	.02	.02
Other electrical machinery	.00	.00	.00	.00	.00	.00	.11	.11	.13
Transportation equipment	.00	.00	.00	1.72	2.05	3.80	.59	.47	.42
Motor vehicles and equipment	.00	.00	.00	.15	.21	.54	.06	.05	.02
Aircraft and parts	.00	.00	.00	.03	.05	.13	.07	.04	.01
Ship,boat building and repair	.00	.00	.00	.53	.65	.76	.33	.23	.12
Railroad equipment	.00	.00	.00	.06	.08	.12	.02	.02	.01
Mobile dwellings	.00	.00	.00	.89	.99	2.07	.10	.11	.22
Cycles,misc transportation	.00	.00	.00	.03	.06	.16	.00	.00	.01
Professional,scientific instrs	.00	.00	.00	.01	.01	.04	.02	.02	.02
Scientific instruments	.00	.00	.00	.00	.00	.00	.01	.01	.01
Photo equipment and supplies	.00	.00	.00	.01	.01	.04	.01	.01	.00
Miscellaneous manufacturing	.00	.00	.00	.19	.21	.36	.03	.03	.01
<b>Nondurable goods</b>	<b>3.24</b>	<b>2.36</b>	<b>1.56</b>	<b>1.80</b>	<b>1.71</b>	<b>2.85</b>	<b>.94</b>	<b>.75</b>	<b>.53</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Animal caretakers, except farm			Carpenters' helpers			Constr labr ex carpentr helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	2.17	1.50	.94	.47	.47	.85	.18	.12	.04
Meat	1.42	1.01	.67	.03	.03	.04	.04	.03	.01
Dairy	.20	.10	.04	.00	.00	.00	.01	.00	.00
Canning and preserving	.08	.05	.04	.14	.16	.38	.02	.01	.00
Grain mill	.36	.25	.15	.09	.10	.21	.02	.01	.00
Bakery	.00	.00	.00	.07	.04	.01	.00	.00	.00
Beverages	.03	.02	.01	.08	.07	.11	.03	.02	.00
Miscellaneous food preparation	.05	.03	.02	.05	.05	.09	.03	.02	.00
Tobacco manufacturing	.01	.00	.00	.00	.00	.00	.00	.00	.00
Textile mill products	.00	.00	.00	.19	.18	.41	.08	.05	.03
Floor coverings	.00	.00	.00	.02	.02	.10	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	.17	.15	.31	.05	.03	.01
Miscellaneous textile mill	.00	.00	.00	.00	.00	.00	.01	.00	.00
Apparel and textile products	.00	.00	.00	.09	.10	.22	.01	.01	.03
Apparel and accessories	.00	.00	.00	.09	.10	.22	.01	.01	.03
Paper and allied products	.00	.00	.00	.28	.23	.28	.18	.12	.06
Pulp,paper paperboard mills	.00	.00	.00	.23	.18	.17	.12	.08	.04
Paperboard containers,boxes	.00	.00	.00	.00	.00	.00	.04	.03	.01
Miscellaneous paper and pulp	.00	.00	.00	.04	.05	.11	.01	.01	.00
Printing and publishing	.00	.00	.00	.02	.01	.00	.00	.01	.01
Other printing,exc newspapers	.00	.00	.00	.02	.01	.00	.00	.00	.01
Chemicals and allied products	1.05	.85	.61	.40	.33	.39	.26	.22	.22
Industrial chemicals	.10	.06	.05	.24	.20	.21	.13	.12	.13
Plastics and synthetics	.00	.00	.00	.05	.04	.04	.02	.01	.02
Synthetic fibers	.00	.00	.00	.03	.04	.10	.04	.03	.01
Drugs and medicines	.92	.76	.53	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.02	.01	.02	.02	.02	.01	.00	.00	.01
Paints and varnishes	.00	.00	.00	.00	.00	.00	.01	.00	.00
Agricultural chemicals	.00	.00	.00	.02	.01	.00	.02	.02	.02
Miscellaneous chemicals	.00	.00	.00	.01	.01	.01	.01	.00	.00
Petroleum and coal products	.00	.00	.00	.18	.21	.38	.15	.13	.09
Petroleum refining	.00	.00	.00	.10	.11	.16	.12	.11	.08
Misc petroleum,coal products	.00	.00	.00	.07	.09	.21	.03	.02	.00
Rubber,miscellaneous plastics	.00	.00	.00	.06	.08	.21	.04	.04	.03
Rubber	.00	.00	.00	.06	.08	.21	.02	.01	.01
Miscellaneous plastics	.00	.00	.00	.00	.00	.00	.02	.03	.02
Leather products	.00	.00	.00	.08	.06	.08	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.05	.05	.07	.00	.00	.00
All other leather	.00	.00	.00	.02	.01	.01	.00	.00	.00
Transportation, other public util	1.59	1.66	1.60	1.48	1.79	2.23	4.37	3.98	2.84
Transportation,total	1.59	1.66	1.60	.83	.83	1.38	.63	.48	.30
Railroads and railway express	.00	.00	.00	.45	.30	.17	.30	.19	.07
Local and interurban transit	.00	.00	.00	.04	.05	.36	.02	.02	.05
Street railways and bus lines	.00	.00	.00	.04	.05	.36	.02	.02	.05
Trucking and warehousing	.00	.00	.00	.11	.16	.26	.07	.07	.03
Trucking services	.00	.00	.00	.09	.12	.18	.06	.06	.03
Warehousing and storage	.00	.00	.00	.02	.04	.07	.00	.00	.00
Water transportation	.00	.00	.00	.14	.19	.28	.03	.03	.02
Air transportation	.00	.00	.00	.03	.06	.10	.02	.02	.02
Pipelines	.00	.00	.00	.00	.00	.00	.14	.12	.05
Transportation services	1.59	1.66	1.60	.03	.06	.18	.02	.02	.03
Communicatns,utils,sanitary serv	.00	.00	.00	.65	.96	.85	3.73	3.50	2.54
Communications	.00	.00	.00	.01	.01	.03	.11	.09	.05
Telephone(wire and radio)	.00	.00	.00	.00	.00	.00	.09	.08	.05
Telegraph,misc communicatn serv	.00	.00	.00	.00	.00	.00	.01	.01	.00
Radio and tv broadcasting	.00	.00	.00	.01	.01	.03	.00	.00	.00
Utilities and sanitary services	.00	.00	.00	.64	.94	.82	3.62	3.40	2.48
Electric light and power	.00	.00	.00	.34	.64	.35	.99	1.19	1.01
Electric-gas utilities	.00	.00	.00	.16	.14	.10	.71	.65	.65
Gas steam supply systems	.00	.00	.00	.04	.05	.12	.84	.62	.28
Water supply	.00	.00	.00	.03	.04	.11	.76	.65	.36
Sanitary services	.00	.00	.00	.04	.05	.12	.29	.26	.14
Other utilities	.00	.00	.00	.00	.00	.00	.02	.01	.01
Wholesale and retail trade	8.93	8.61	4.63	3.83	4.68	7.14	1.68	1.70	1.27
Wholesale trade	6.39	5.92	1.81	1.05	1.16	1.68	.51	.51	.48

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Animal caretakers, except farm			Carpenters' helpers			Constr labr ex carpentr helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	6.12	5.71	1.70	.43	.56	1.01	.21	.21	.14
Motor vehicles and equipment	.00	.00	.00	.05	.07	.13	.01	.01	.00
Drugs,chemicals,allied product	.05	.04	.03	.00	.00	.00	.01	.01	.00
Food and related products	.34	.27	.18	.12	.15	.25	.03	.02	.02
Farm products-raw materials	5.72	5.39	1.48	.01	.02	.02	.00	.00	.00
Electrical goods	.00	.00	.00	.00	.00	.00	.03	.03	.03
Hardware and plumbing	.00	.00	.00	.07	.08	.15	.04	.04	.03
Machinery equipment,supplies	.00	.00	.00	.16	.23	.44	.06	.06	.03
Miscellaneous wholesale trade	.26	.20	.11	.61	.59	.66	.30	.30	.33
Metals and minerals, other	.00	.00	.00	.03	.02	.01	.09	.09	.13
Petroleum products	.00	.00	.00	.00	.00	.00	.03	.03	.01
Scrap and waste material	.00	.00	.00	.01	.02	.01	.01	.01	.01
Alcoholic beverages	.00	.00	.00	.01	.01	.01	.00	.00	.00
Paper and paper products	.00	.00	.00	.03	.02	.01	.00	.00	.00
Lumber,construction materials	.03	.01	.00	.41	.39	.49	.10	.10	.12
Other wholesale trade	.23	.19	.11	.10	.10	.12	.04	.04	.04
Retail trade	2.53	2.68	2.81	2.78	3.52	5.46	1.16	1.19	.79
Building materials	.00	.00	.00	1.55	2.00	2.65	.73	.70	.27
Lumber,building material	.00	.00	.00	1.47	1.92	2.47	.68	.67	.27
Hardware and farm equipment	.00	.00	.00	.08	.08	.17	.04	.02	.00
General merchandise,total	.00	.00	.00	.21	.22	.54	.10	.11	.18
Department stores,mail order	.00	.00	.00	.10	.13	.37	.06	.08	.12
Limited price stores	.00	.00	.00	.01	.00	.00	.00	.00	.00
Vending machine operators	.00	.00	.00	.01	.01	.01	.00	.00	.00
Direct selling	.00	.00	.00	.00	.00	.00	.01	.01	.03
Miscellaneous merchandise store	.00	.00	.00	.07	.06	.15	.01	.01	.02
Food and dairy stores	.06	.07	.08	.14	.20	.50	.02	.03	.06
Grocery stores	.00	.00	.00	.11	.17	.46	.01	.02	.05
Retail bakeries	.00	.00	.00	.00	.01	.02	.00	.00	.00
Food stores,cther	.06	.07	.08	.01	.01	.01	.00	.00	.01
Auto dealers,gas stations	.00	.00	.00	.14	.19	.31	.09	.10	.09
Motor vehicle dealers	.00	.00	.00	.06	.07	.11	.05	.05	.04
Tire,battery,accessory dealrs	.00	.00	.00	.01	.02	.05	.01	.01	.02
Gasoline service stations	.00	.00	.00	.03	.06	.12	.01	.01	.00
Miscellaneous vehicle dealers	.00	.00	.00	.02	.03	.03	.01	.01	.01
Apparel and accessory stores	.00	.00	.00	.02	.01	.00	.01	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.02	.01	.00	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.52	.60	.98	.08	.08	.03
Home furnishings	.00	.00	.00	.51	.58	.94	.02	.01	.00
Household appliances,tv,radio	.00	.00	.00	.01	.02	.04	.06	.06	.02
Eating and drinking places	.00	.00	.00	.05	.07	.00	.03	.04	.00
Miscellaneous retail trade	2.46	2.61	2.73	.12	.19	.46	.08	.10	.12
Farm,garden supply stores	.10	.10	.07	.05	.08	.16	.03	.04	.05
Fuel and ice dealers	.00	.00	.00	.01	.01	.01	.02	.02	.01
Retail florists	.00	.00	.00	.01	.02	.04	.00	.00	.00
Misc retail trade stores	2.36	2.50	2.65	.04	.07	.23	.02	.03	.05
Finance,insurance and real estate	.00	.00	.00	1.07	1.44	1.72	.27	.27	.22
Finance,total	.00	.00	.00	.00	.00	.00	.02	.02	.05
Banking	.00	.00	.00	.00	.00	.00	.00	.01	.04
Stock brokers,investment cos	.00	.00	.00	.00	.00	.00	.01	.01	.00
Insurance	.00	.00	.00	.04	.03	.00	.01	.01	.01
Real estate	.00	.00	.00	1.02	1.41	1.72	.23	.24	.15
Services, total	24.05	29.59	31.08	3.58	4.90	9.17	1.11	1.30	1.17

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Animal caretakers, except farm			Carpenters' helpers			Constr labr ex carpentr helpers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.22	.16	.19	.42	.60	.93	.11	.13	.13
Hotels and motels	.07	.07	.08	.32	.47	.71	.07	.08	.07
Other lodging places	.15	.09	.10	.09	.12	.22	.03	.04	.06
Other personal services	.01	.02	.02	.06	.09	.16	.01	.01	.00
Laundering and cleaning	.00	.00	.00	.04	.04	.08	.00	.00	.00
Misc personal services	.01	.02	.02	.02	.05	.08	.00	.01	.00
Miscellaneous business services	.54	.62	.86	.05	.06	.20	.06	.07	.08
Advertising	.00	.00	.00	.00	.01	.01	.03	.02	.00
Commercial research,development	.51	.58	.84	.00	.01	.02	.01	.01	.02
Detective and protective serv	.03	.03	.02	.00	.00	.00	.00	.00	.00
Services to buildings	.00	.00	.00	.03	.04	.15	.02	.03	.04
Automobile services	.00	.00	.00	.01	.02	.03	.00	.00	.01
Automobile services,exc repair	.00	.00	.00	.01	.02	.03	.00	.00	.01
Other repair services	.00	.00	.00	.03	.04	.03	.03	.06	.04
Other repair,exc electrical	.00	.00	.00	.03	.04	.03	.03	.06	.04
Motion pictures and theaters	.09	.05	.06	.03	.03	.15	.01	.00	.00
Miscellaneous entertainment	6.52	10.00	7.96	.15	.34	.67	.05	.08	.04
Other entertainment	6.52	10.00	7.96	.15	.34	.67	.05	.07	.03
Medical and other health service	3.24	3.94	5.20	.56	.87	2.93	.18	.19	.17
Hospitals	2.10	2.24	3.42	.46	.67	2.28	.16	.16	.12
Convalescent institutions	.08	.14	.56	.06	.09	.33	.01	.01	.02
Other health services	1.06	1.55	1.21	.03	.10	.31	.00	.01	.02
Educational services	4.77	4.77	4.74	1.27	1.44	1.64	.29	.35	.37
Elementary and secondary school	.00	.00	.00	.52	.63	.58	.10	.15	.18
Colleges and universities	4.77	4.77	4.74	.69	.72	.92	.18	.18	.17
Other educational services	.00	.00	.00	.05	.07	.13	.01	.01	.01
Museums,art galleries,zoos	3.53	4.80	7.07	.02	.04	.07	.00	.01	.01
Nonprofit organizations	3.19	2.96	2.78	.59	.77	1.81	.20	.19	.12
Religious organizations	.13	.08	.04	.13	.15	.12	.02	.02	.02
Welfare services	.00	.00	.00	.11	.12	.25	.01	.01	.01
Residential welfare services	.02	.03	.08	.01	.02	.19	.00	.00	.00
Nonprofit membership organiztns	3.03	2.85	2.64	.32	.47	1.24	.16	.15	.08
Private households	.63	.90	.47	.15	.29	.20	.05	.07	.04
Other professional services	1.28	1.31	1.70	.18	.26	.29	.06	.09	.11
Engineering and architectural	.00	.00	.00	.17	.24	.23	.05	.07	.09
Miscellaneous professional serv	1.28	1.31	1.70	.01	.01	.06	.01	.01	.01
Government,total	7.14	6.62	6.11	.79	1.08	2.58	.97	1.02	.94
Federal public administration	.66	.34	.46	.26	.26	.48	.25	.15	.23
Postal services	.00	.00	.00	.00	.00	.00	.00	.01	.00
Federal pub adm,exc post office	.66	.34	.46	.26	.26	.48	.24	.14	.23
State public administration	.67	.66	.54	.18	.30	.83	.14	.14	.05
Local public administration	5.80	5.61	5.10	.35	.51	1.26	.57	.72	.65

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fishers, hunters, trappers			Freight and material handlers			Garbage collectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	96.79	97.72	97.20	.22	.30	.28	.00	.00	.00
Agriculture	.00	.00	.00	.19	.25	.22	.00	.00	.00
Services,except horticulture	.00	.00	.00	.12	.15	.13	.00	.00	.00
Horticultural services	.00	.00	.00	.06	.09	.08	.00	.00	.00
Forestry	.00	.00	.00	.01	.01	.01	.00	.00	.00
Fisheries	96.79	97.72	97.20	.02	.03	.04	.00	.00	.00
Mining	.00	.00	.00	2.43	2.83	2.91	.01	.01	.01
Metal	.00	.00	.00	.24	.23	.27	.00	.00	.00
Coal	.00	.00	.00	1.08	1.41	1.60	.00	.00	.00
Crude petroleum and natural gas	.00	.00	.00	.20	.31	.31	.00	.00	.00
Nonmetallic mining and quarrying	.00	.00	.00	.88	.87	.73	.01	.01	.01
Construction	.00	.00	.00	1.79	2.03	2.43	.60	.65	.78
General building contractors	.00	.00	.00	.32	.37	.57	.00	.00	.00
General contractors,exc building	.00	.00	.00	.59	.66	.91	.60	.65	.78
Special trade contractors	.00	.00	.00	.87	.99	.94	.00	.00	.00
Manufacturing	.76	.37	.11	54.62	49.61	50.03	.30	.32	.37
Durable goods	.00	.00	.00	30.07	28.82	31.42	.00	.00	.00
Ordnance	.00	.00	.00	.60	.30	.32	.00	.00	.00
Lumber and wood products	.00	.00	.00	7.96	7.43	6.51	.00	.00	.00
Logging	.00	.00	.00	.61	.64	.36	.00	.00	.00
Sawmill,planing and mill work	.00	.00	.00	6.58	6.11	5.51	.00	.00	.00
Miscellaneous wood products	.00	.00	.00	.77	.68	.64	.00	.00	.00
Furniture and fixtures	.00	.00	.00	1.51	1.53	1.77	.00	.00	.00
Stone,clay,and glass products	.00	.00	.00	3.68	3.26	2.45	.00	.00	.00
Glass and glass products	.00	.00	.00	.98	.90	.75	.00	.00	.00
Cement,concrete,plaster	.00	.00	.00	.93	.86	.65	.00	.00	.00
Structural clay products	.00	.00	.00	1.05	.80	.44	.00	.00	.00
Pottery and related products	.00	.00	.00	.24	.23	.21	.00	.00	.00
Miscellaneous nonmetallic,stone	.00	.00	.00	.45	.44	.38	.00	.00	.00
Primary metal industries	.00	.00	.00	4.22	3.59	3.57	.00	.00	.00
Blast furnaces,steel works	.00	.00	.00	2.39	1.83	1.64	.00	.00	.00
Other primary steel	.00	.00	.00	.94	.83	.85	.00	.00	.00
Primary aluminum	.00	.00	.00	.41	.44	.41	.00	.00	.00
Other primary nonferrous	.00	.00	.00	.48	.47	.66	.00	.00	.00
Fabricated metal products	.00	.00	.00	3.51	3.71	4.81	.00	.00	.00
Cutlery and other hardware	.00	.00	.00	.38	.42	.54	.00	.00	.00
Fabricated structural metal	.00	.00	.00	.89	.91	1.00	.00	.00	.00
Screw machine products	.00	.00	.00	.12	.13	.17	.00	.00	.00
Metal stamping	.00	.00	.00	.69	.72	1.06	.00	.00	.00
Miscellaneous fabricated metal	.00	.00	.00	1.41	1.51	2.02	.00	.00	.00
Machinery except electrical	.00	.00	.00	2.09	2.35	3.53	.00	.00	.00
Engines and turbines	.00	.00	.00	.11	.13	.18	.00	.00	.00
Farm machinery and equipment	.00	.00	.00	.34	.34	.38	.00	.00	.00
Construction machines	.00	.00	.00	.47	.58	.92	.00	.00	.00
Metalworking machinery	.00	.00	.00	.17	.19	.30	.00	.00	.00
Office and accounting machines	.00	.00	.00	.07	.05	.03	.00	.00	.00
Electronic computing equipment	.00	.00	.00	.07	.09	.17	.00	.00	.00
Other machinery,exc electrical	.00	.00	.00	.84	.95	1.53	.00	.00	.00
Electrical machinery	.00	.00	.00	2.88	2.93	4.28	.00	.00	.00
Household appliances	.00	.00	.00	.48	.45	.65	.00	.00	.00
radio, tv communications equip	.00	.00	.00	.68	.56	.58	.00	.00	.00
Other electrical machinery	.00	.00	.00	1.72	1.91	3.05	.00	.00	.00
Transportation equipment	.00	.00	.00	2.55	2.63	2.90	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	1.79	1.91	1.92	.00	.00	.00
Aircraft and parts	.00	.00	.00	.34	.24	.13	.00	.00	.00
Ship,boat building and repair	.00	.00	.00	.16	.15	.15	.00	.00	.00
Railroad equipment	.00	.00	.00	.06	.07	.09	.00	.00	.00
Mobile dwellings	.00	.00	.00	.14	.17	.48	.00	.00	.00
Cycles,misc transportation	.00	.00	.00	.04	.07	.12	.00	.00	.00
Professional,scientific instrs	.00	.00	.00	.40	.46	.66	.00	.00	.00
Scientific instruments	.00	.00	.00	.11	.11	.15	.00	.00	.00
Optical,health serv supplies	.00	.00	.00	.12	.18	.30	.00	.00	.00
Photo equipment and supplies	.00	.00	.00	.11	.12	.16	.00	.00	.00
Watches and clock devices	.00	.00	.00	.04	.03	.03	.00	.00	.00
Miscellaneous manufacturing	.00	.00	.00	.63	.59	.58	.00	.00	.00
Nondurable goods	.76	.37	.11	24.54	20.78	18.60	.30	.31	.37

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fishers, hunters, trappers			Freight and material handlers			Garbage collectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.76	.37	.11	10.54	8.64	6.93	.14	.15	.19
Meat	.00	.00	.00	1.81	1.64	1.45	.03	.02	.02
Dairy	.00	.00	.00	1.57	1.04	.67	.00	.00	.00
Canning and preserving	.73	.34	.09	1.41	1.23	1.07	.04	.05	.07
Grain mill	.00	.00	.00	1.34	1.17	.92	.01	.01	.01
Bakery	.00	.00	.00	1.02	.74	.46	.03	.03	.06
Confectionery	.00	.00	.00	.22	.17	.11	.00	.00	.00
Beverages	.00	.00	.00	2.18	1.81	1.55	.00	.00	.00
Miscellaneous food preparation	.03	.03	.02	.94	.81	.66	.02	.02	.02
Tobacco manufacturing	.00	.00	.00	.49	.33	.21	.00	.00	.00
Textile mill products	.00	.00	.00	2.97	2.41	2.49	.04	.04	.05
Knitting mills	.00	.00	.00	.40	.35	.47	.00	.00	.00
Dyeing,finishing textiles	.00	.00	.00	.27	.22	.18	.00	.00	.00
Floor coverings	.00	.00	.00	.11	.10	.14	.00	.00	.00
Yarn and fabric mills	.00	.00	.00	1.97	1.55	1.49	.04	.04	.05
Miscellaneous textile mill	.00	.00	.00	.21	.17	.19	.00	.00	.00
Apparel and textile products	.00	.00	.00	1.30	1.20	1.16	.00	.00	.00
Apparel and accessories	.00	.00	.00	1.00	.89	.84	.00	.00	.00
Miscellaneous fabricated textile	.00	.00	.00	.29	.31	.31	.00	.00	.00
Paper and allied products	.00	.00	.00	3.04	2.43	2.12	.02	.02	.01
Pulp,paper paperboard mills	.00	.00	.00	1.26	.96	.77	.00	.00	.00
Paperboard ccontainers,boxes	.00	.00	.00	1.17	.89	.82	.00	.00	.00
Miscellaneous paper and pulp	.00	.00	.00	.61	.57	.51	.02	.02	.01
Printing and publishing	.00	.00	.00	1.52	1.34	1.09	.00	.00	.00
Newspaper publishing, printing	.00	.00	.00	.59	.56	.56	.00	.00	.00
Other printing,exc newspapers	.00	.00	.00	.93	.78	.53	.00	.00	.00
Chemicals and allied products	.00	.00	.00	2.46	2.20	2.64	.02	.02	.01
Industrial chemicals	.00	.00	.00	.63	.60	.86	.00	.00	.00
Plastics and synthetics	.00	.00	.00	.22	.18	.18	.00	.00	.00
Synthetic filters	.00	.00	.00	.19	.17	.23	.00	.00	.00
Drugs and medicines	.00	.00	.00	.16	.18	.20	.01	.01	.01
Soaps and cosmetics	.00	.00	.00	.40	.36	.38	.00	.00	.00
Paints and varnishes	.00	.00	.00	.10	.10	.12	.00	.00	.00
Agricultural chemicals	.00	.00	.00	.34	.31	.24	.00	.00	.00
Miscellaneous chemicals	.00	.00	.00	.38	.27	.39	.00	.00	.00
Petroleum and coal products	.00	.00	.00	.46	.43	.34	.04	.03	.03
Petroleum refining	.00	.00	.00	.26	.23	.14	.00	.00	.00
Misc petroleum,coal products	.00	.00	.00	.19	.19	.19	.04	.03	.03
Rubber,miscellaneous plastics	.00	.00	.00	1.33	1.47	1.37	.02	.03	.06
Rubber	.00	.00	.00	.66	.58	.61	.00	.00	.00
Miscellaneous plastics	.00	.00	.00	.67	.88	.76	.02	.03	.06
Leather products	.00	.00	.00	.39	.29	.22	.00	.00	.00
Leather tanning and finishing	.00	.00	.00	.11	.08	.05	.00	.00	.00
Footwear, except rubber	.00	.00	.00	.21	.15	.12	.00	.00	.00
All other leather	.00	.00	.00	.06	.05	.04	.00	.00	.00
Transportation, other public util	.00	.00	.00	15.86	15.98	13.51	98.40	98.20	97.71
Transportation,total	.00	.00	.00	15.09	15.15	12.62	6.46	6.81	4.41
Railroads and railway express	.00	.00	.00	1.47	.95	.57	.00	.00	.00
Local and interurban transit	.00	.00	.00	.06	.04	.07	.00	.00	.00
Street railways and bus lines	.00	.00	.00	.06	.04	.07	.00	.00	.00
Trucking and warehousing	.00	.00	.00	11.18	11.64	9.28	6.43	6.75	4.37
Trucking services	.00	.00	.00	9.65	10.23	8.09	6.43	6.75	4.37
Warehousing and storage	.00	.00	.00	1.52	1.41	1.18	.00	.00	.00
Water transportation	.00	.00	.00	.76	.70	.41	.00	.00	.00
Air transportation	.00	.00	.00	1.18	1.21	1.31	.02	.04	.02
Pipelines	.00	.00	.00	.01	.01	.01	.01	.01	.00
Transportation services	.00	.00	.00	.40	.57	.94	.00	.00	.00
Communicatns,utils,sanitary serv	.00	.00	.00	.77	.82	.89	91.93	91.39	93.29
Communications	.00	.00	.00	.16	.17	.23	.01	.00	.00
Telephone(wire and radio)	.00	.00	.00	.04	.04	.04	.00	.00	.00
Radio and tv broadcasting	.00	.00	.00	.11	.12	.18	.01	.00	.00
Utilities and sanitary services	.00	.00	.00	.61	.65	.66	91.92	91.38	93.29
Electric light and power	.00	.00	.00	.18	.21	.18	.02	.03	.02
Electric-gas utilities	.00	.00	.00	.05	.05	.07	.09	.10	.07
Gas steam supply systems	.00	.00	.00	.05	.05	.05	.00	.00	.00
Water supply	.00	.00	.00	.02	.03	.03	.11	.10	.11
Sanitary services	.00	.00	.00	.28	.30	.31	91.46	90.95	92.92
Other utilities	.00	.00	.00	.00	.00	.00	.21	.18	.15
Wholesale and retail trade	2.37	1.75	2.37	18.48	20.75	22.99	.12	.14	.13
Wholesale trade	1.58	1.01	.94	11.56	12.43	12.74	.08	.09	.08

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fishers, hunters, trappers			Freight and material handlers			Garbage collectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	1.58	1.01	.94	6.74	7.19	6.52	.00	.00	.00
Motor vehicles and equipment	.00	.00	.00	.42	.50	.65	.00	.00	.00
Drugs,chemicals,allied product	.00	.00	.00	.40	.40	.42	.00	.00	.00
Dry goods and apparel	.00	.00	.00	.19	.17	.19	.00	.00	.00
Food and related products	1.58	1.01	.94	3.87	3.87	3.39	.00	.00	.00
Farm products-raw materials	.00	.00	.00	.74	.96	.43	.00	.00	.00
Electrical gcods	.00	.00	.00	.29	.31	.38	.00	.00	.00
Hardware and plumbing	.00	.00	.00	.25	.28	.32	.00	.00	.00
Machinery equipment,supplies	.00	.00	.00	.55	.67	.70	.00	.00	.00
Miscellaneous wholesale trade	.00	.00	.00	4.81	5.23	6.22	.08	.09	.08
Metals and minerals, other	.00	.00	.00	.57	.55	.71	.00	.00	.00
Petroleum products	.00	.00	.00	.35	.33	.21	.00	.00	.00
Scrap and waste material	.00	.00	.00	.61	.86	.99	.08	.09	.08
Alcoholic beverages	.00	.00	.00	.62	.75	.74	.00	.00	.00
Paper and paper products	.00	.00	.00	.27	.25	.37	.00	.00	.00
Lumber,construction materials	.00	.00	.00	1.23	1.25	1.74	.00	.00	.00
Other wholesale trade	.00	.00	.00	1.14	1.21	1.44	.00	.00	.00
Retail trade	.78	.74	1.43	6.92	8.32	10.24	.04	.04	.04
Building materials	.00	.00	.00	1.64	1.77	1.11	.03	.03	.03
Lumber,building material	.00	.00	.00	1.53	1.67	1.01	.03	.03	.03
Hardware and farm equipment	.00	.00	.00	.10	.09	.09	.00	.00	.00
General merchandise,total	.00	.00	.00	1.30	1.49	2.45	.00	.00	.00
Department stores,mail order	.00	.00	.00	.94	1.13	1.83	.00	.00	.00
Limited price stores	.00	.00	.00	.11	.09	.07	.00	.00	.00
Vending machine operators	.00	.00	.00	.02	.02	.06	.00	.00	.00
Direct selling	.00	.00	.00	.05	.05	.07	.00	.00	.00
Miscellaneous merchadise store	.00	.00	.00	.17	.18	.41	.00	.00	.00
Food and dairy stores	.70	.65	1.29	1.38	1.75	2.62	.00	.01	.01
Grocery stores	.52	.50	1.10	1.11	1.38	2.29	.00	.00	.00
Dairy products	.00	.00	.00	.06	.09	.07	.00	.00	.00
Retail bakeries	.00	.00	.00	.07	.08	.07	.00	.01	.01
Food stores,cther	.18	.14	.19	.13	.18	.18	.00	.00	.00
Auto dealers,gas stations	.00	.00	.00	.18	.27	.44	.00	.00	.00
Motor vehicle dealers	.00	.00	.00	.03	.04	.05	.00	.00	.00
Tire,battery,accessory dealers	.00	.00	.00	.08	.13	.24	.00	.00	.00
Gasoline service stations	.00	.00	.00	.03	.04	.04	.00	.00	.00
Miscellaneous vehicle dealers	.00	.00	.00	.02	.04	.09	.00	.00	.00
Apparel and accessory stores	.00	.00	.00	.10	.10	.09	.00	.00	.00
Apparel,accessory,except shoes	.00	.00	.00	.08	.09	.07	.00	.00	.00
Shoe stores	.00	.00	.00	.01	.01	.01	.00	.00	.00
Furniture and appliance stores	.00	.00	.00	.90	.95	.86	.00	.00	.00
Home furnishings	.00	.00	.00	.78	.81	.73	.00	.00	.00
Household appliances,tv,radio	.00	.00	.00	.11	.14	.12	.00	.00	.00
Eating and drinking places	.00	.00	.00	.16	.34	.46	.00	.00	.00
Miscellaneous retail trade	.07	.09	.13	1.23	1.62	2.18	.00	.00	.00
Drug stores	.00	.00	.00	.06	.06	.06	.00	.00	.00
Liquor stores	.00	.00	.00	.08	.11	.09	.00	.00	.00
Farm,garden supply stores	.00	.00	.00	.67	1.00	1.38	.00	.00	.00
Jewelry stores	.00	.00	.00	.01	.01	.01	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.18	.13	.07	.00	.00	.00
Retail florists	.00	.00	.00	.01	.01	.00	.00	.00	.00
Misc retail trade stores	.07	.09	.13	.19	.28	.55	.00	.00	.00
Finance,insurance and real estate	.00	.00	.00	.09	.10	.14	.09	.16	.27
Finance,total	.00	.00	.00	.01	.01	.01	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.01	.01	.01	.00	.00	.00
Insurance	.00	.00	.00	.02	.02	.02	.00	.00	.00
Real estate	.00	.00	.00	.06	.07	.10	.09	.16	.27
Services, total	.06	.14	.30	2.02	2.26	3.85	.26	.34	.57

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Fishers, hunters, trappers			Freight and material handlers			Garbage collectors		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.07	.11	.19	.00	.00	.00
Hotels and motels	.00	.00	.00	.06	.10	.17	.00	.00	.00
Other lodging places	.00	.00	.00	.01	.01	.02	.00	.00	.00
Other personal services	.00	.00	.00	.23	.15	.11	.00	.00	.00
Laundrying and cleaning	.00	.00	.00	.23	.15	.11	.00	.00	.00
Miscellaneous business services	.00	.00	.00	.28	.47	.86	.02	.03	.11
Commercial research,development	.00	.00	.00	.01	.02	.05	.00	.00	.00
Computer programing	.00	.00	.00	.00	.01	.01	.00	.00	.00
Services to buildings	.00	.00	.00	.00	.00	.00	.02	.03	.11
Other business services	.00	.00	.00	.25	.43	.79	.00	.00	.00
Automobile services	.00	.00	.00	.00	.00	.00	.04	.04	.07
Automobile services,exc repair	.00	.00	.00	.00	.00	.00	.04	.04	.07
Other repair services	.00	.00	.00	.03	.05	.08	.00	.00	.00
Electrical repair	.00	.00	.00	.01	.01	.03	.00	.00	.00
Other repair,exc electrical	.00	.00	.00	.02	.04	.04	.00	.00	.00
Motion pictures and theaters	.00	.00	.00	.53	.37	.49	.00	.00	.00
Miscellaneous entertainment	.05	.12	.26	.00	.00	.00	.00	.00	.00
Other entertainment	.05	.12	.26	.00	.00	.00	.00	.00	.00
Medical and other health service	.00	.00	.00	.10	.18	.40	.00	.00	.00
Hospitals	.00	.00	.00	.08	.11	.34	.00	.00	.00
Other health services	.00	.00	.00	.02	.06	.06	.00	.00	.00
Educational services	.00	.00	.00	.30	.40	.64	.15	.20	.29
Elementary and secondary school	.00	.00	.00	.08	.12	.16	.00	.00	.00
Colleges and universities	.00	.00	.00	.20	.25	.41	.15	.20	.29
Other educational services	.00	.00	.00	.01	.02	.07	.00	.00	.00
Museums,art galleries,zoos	.01	.02	.04	.00	.00	.02	.00	.00	.00
Nonprofit organizations	.00	.00	.00	.41	.45	.93	.03	.04	.09
Religious organizations	.00	.00	.00	.00	.01	.01	.00	.00	.00
Welfare services	.00	.00	.00	.30	.32	.74	.03	.04	.09
Residential welfare services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Nonprofit membership organiztns	.00	.00	.00	.10	.11	.16	.00	.00	.00
Other professional services	.00	.00	.00	.01	.03	.09	.00	.00	.00
Engineering and architectural	.00	.00	.00	.00	.02	.05	.00	.00	.00
Accounting and auditing	.00	.00	.00	.00	.00	.01	.00	.00	.00
Miscellaneous professional serv	.00	.00	.00	.00	.01	.02	.00	.00	.00
Government,total	.00	.00	.00	4.45	6.09	3.82	.18	.15	.12
Federal public administration	.00	.00	.00	4.26	5.85	3.56	.18	.15	.12
Postal services	.00	.00	.00	3.77	5.36	3.42	.00	.00	.00
Federal pub adm,exc post office	.00	.00	.00	.48	.48	.14	.18	.15	.12
State public administration	.00	.00	.00	.07	.08	.10	.00	.00	.00
Local public administration	.00	.00	.00	.12	.14	.15	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Gardeners, groundkeeper except farm			Longshore workers, stevedores			Timbercutng logging workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	24.48	30.43	28.26	.03	.04	.01	.43	.54	.56
Agriculture	24.16	30.04	27.94	.00	.00	.00	.22	.29	.40
Services,except horticulture	.63	.55	.37	.00	.00	.00	.00	.00	.00
Horticultural services	23.53	29.48	27.57	.00	.00	.00	.22	.29	.40
Forestry	.27	.31	.20	.00	.00	.00	.21	.23	.15
Fisheries	.04	.07	.11	.03	.04	.01	.00	.01	.01
Mining	.08	.09	.09	.04	.13	.41	.05	.05	.06
Metal	.01	.01	.01	.00	.00	.00	.00	.00	.00
Coal	.00	.01	.01	.00	.00	.00	.02	.02	.04
Crude petroleum and natural gas	.03	.04	.04	.04	.13	.41	.00	.00	.00
Nonmetallic mining and quarrying	.02	.02	.02	.00	.00	.00	.02	.02	.01
Construction	2.53	2.57	3.22	.36	.28	.00	.30	.34	.59
General building contractors	.25	.33	.44	.07	.05	.00	.00	.00	.00
General contractors,exc building	2.05	1.97	2.48	.23	.18	.00	.24	.28	.59
Special trade contractors	.22	.26	.29	.05	.05	.00	.06	.05	.00
Manufacturing	1.71	1.49	1.59	2.16	2.39	3.93	96.04	95.82	93.83
Durable goods	1.06	.95	1.03	1.58	1.89	3.54	95.30	95.26	93.22
Ordnance	.05	.02	.01	.12	.04	.00	.02	.01	.02
Lumber and wood products	.16	.14	.11	.14	.22	.30	95.09	95.08	92.98
Logging	.03	.03	.01	.08	.12	.14	79.42	81.76	78.72
Sawmill,planing and mill work	.08	.07	.06	.06	.10	.16	14.23	12.09	13.02
Miscellaneous wood products	.04	.03	.03	.00	.00	.00	1.43	1.22	1.24
Furniture and fixtures	.02	.02	.02	.02	.02	.00	.07	.08	.18
Stone,clay,and glass products	.11	.09	.05	.09	.11	.21	.04	.03	.02
Glass and glass products	.03	.02	.01	.00	.00	.00	.00	.00	.00
Cement,concrete,plaster	.03	.02	.01	.08	.10	.19	.01	.00	.00
Structural clay products	.02	.02	.00	.00	.00	.00	.00	.00	.00
Pottery and related products	.00	.00	.00	.00	.01	.02	.03	.02	.02
Miscellaneous nonmetallic,stone	.01	.01	.01	.00	.00	.00	.00	.00	.00
Primary metal industries	.11	.10	.12	.13	.09	.13	.02	.01	.00
Blast furnaces,steel works	.04	.03	.03	.11	.06	.08	.02	.01	.00
Other primary steel	.02	.02	.02	.00	.00	.00	.00	.00	.00
Primary aluminum	.02	.02	.02	.02	.02	.04	.00	.00	.00
Other primary nonferrous	.01	.01	.03	.00	.00	.00	.00	.00	.00
Fabricated metal products	.05	.04	.05	.00	.00	.00	.00	.00	.00
Cutlery and cther hardware	.00	.00	.01	.00	.00	.00	.00	.00	.00
Fabricated structural metal	.03	.02	.02	.00	.00	.00	.00	.00	.00
Metal stamping	.00	.00	.01	.00	.00	.00	.00	.00	.00
Machinery except electrical	.14	.15	.23	.00	.00	.00	.02	.02	.00
Engines and turbines	.00	.00	.01	.00	.00	.00	.00	.00	.00
Farm machinery and equipment	.02	.01	.01	.00	.00	.00	.00	.00	.00
Construction machines	.02	.02	.03	.00	.00	.00	.00	.00	.00
Metalworking machinery	.01	.01	.03	.00	.00	.00	.00	.00	.00
Electronic computing equipment	.00	.01	.03	.00	.00	.00	.00	.00	.00
Other machinery,exc electrical	.06	.07	.11	.00	.00	.00	.02	.02	.00
Electrical machinery	.15	.15	.22	.00	.00	.00	.00	.00	.00
Household appliances	.00	.00	.01	.00	.00	.00	.00	.00	.00
Radio, tv communications equip	.04	.04	.03	.00	.00	.00	.00	.00	.00
Other electrical machinery	.09	.10	.17	.00	.00	.00	.00	.00	.00
Transportation equipment	.14	.12	.11	1.04	1.39	2.88	.02	.01	.00
Motor vehicles and equipment	.05	.05	.05	.06	.05	.00	.00	.00	.00
Aircraft and parts	.05	.03	.02	.00	.00	.00	.02	.01	.00
Ship,boat building and repair	.02	.01	.02	.98	1.34	2.88	.00	.00	.00
Mobile dwellings	.00	.00	.01	.00	.00	.00	.00	.00	.00
Professional,scientific instrs	.05	.04	.04	.00	.00	.00	.00	.00	.00
Scientific instruments	.01	.01	.01	.00	.00	.00	.00	.00	.00
Optical,health serv supplies	.00	.01	.01	.00	.00	.00	.00	.00	.00
Photo equipment and supplies	.02	.01	.01	.00	.00	.00	.00	.00	.00
Watches and clock devices	.01	.01	.00	.00	.00	.00	.00	.00	.00
Miscellaneous manufacturing	.04	.03	.02	.00	.00	.00	.00	.00	.00
Nondurable goods	.65	.54	.55	.58	.50	.38	.73	.55	.60

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Gardeners, groundkeeper except farm			Longshore workers, stevedores			Timbercutng logging workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	.20	.16	.12	.26	.21	.16	.09	.07	.11
Meat	.02	.02	.02	.02	.01	.00	.05	.04	.05
Canning and preserving	.03	.02	.00	.06	.04	.00	.03	.03	.06
Grain mill	.01	.01	.01	.03	.04	.08	.00	.00	.00
Bakery	.00	.00	.01	.00	.00	.00	.00	.00	.00
Beverages	.04	.03	.02	.00	.00	.00	.00	.00	.00
Miscellaneous food preparation	.06	.05	.04	.14	.11	.08	.00	.00	.00
Textile mill products	.06	.05	.05	.00	.00	.00	.08	.06	.06
Yarn and fabric mills	.05	.04	.04	.00	.00	.00	.08	.06	.06
Apparel and textile products	.01	.01	.02	.00	.00	.00	.01	.00	.00
Apparel and accessories	.01	.01	.02	.00	.00	.00	.01	.00	.00
Paper and allied products	.09	.07	.06	.00	.00	.00	.49	.34	.25
Pulp,paper paperboard mills	.05	.04	.03	.00	.00	.00	.47	.32	.20
Paperboard containers,boxes	.01	.00	.01	.00	.00	.00	.00	.00	.00
Miscellaneous paper and pulp	.02	.02	.01	.00	.00	.00	.02	.02	.04
Printing and publishing	.03	.03	.02	.00	.00	.00	.00	.00	.00
Other printing,exc newspapers	.02	.02	.02	.00	.00	.00	.00	.00	.00
Chemicals and allied products	.14	.12	.18	.13	.09	.00	.06	.05	.17
Industrial chemicals	.05	.04	.07	.12	.08	.00	.00	.00	.00
Plastics and synthetics	.01	.01	.02	.00	.00	.00	.00	.00	.00
Synthetic filters	.01	.01	.01	.00	.00	.00	.00	.00	.00
Drugs and medicines	.01	.01	.01	.00	.00	.00	.00	.00	.00
Soaps and cosmetics	.00	.00	.01	.00	.00	.00	.00	.00	.00
Agricultural chemicals	.01	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous chemicals	.02	.01	.02	.00	.00	.00	.05	.05	.17
Petroleum and coal products	.04	.04	.03	.16	.18	.22	.00	.00	.00
Petroleum refining	.03	.03	.02	.16	.18	.22	.00	.00	.00
Rubber,miscellaneous plastics	.03	.03	.03	.02	.01	.00	.00	.00	.00
Rubber	.02	.01	.02	.02	.01	.00	.00	.00	.00
Miscellaneous plastics	.01	.01	.01	.00	.00	.00	.00	.00	.00
Transportation, other public util	1.23	1.25	1.23	95.70	95.07	91.95	.62	.52	.40
Transportation,total	.32	.35	.36	95.70	95.07	91.95	.57	.46	.33
Railroads and railway express	.02	.01	.01	.29	.16	.00	.00	.00	.00
Local and interurban transit	.01	.00	.04	.00	.00	.00	.03	.03	.18
Street railways and bus lines	.01	.00	.04	.00	.00	.00	.03	.03	.18
Trucking and warehousing	.12	.12	.07	2.13	2.96	3.41	.25	.22	.06
Trucking services	.11	.11	.05	1.79	2.60	2.85	.24	.21	.06
Warehousing and storage	.01	.01	.01	.33	.35	.56	.00	.00	.00
Water transportation	.03	.03	.02	91.44	89.40	84.11	.28	.21	.08
Air transportation	.11	.15	.17	.08	.07	.00	.00	.00	.00
Transportation services	.01	.02	.02	1.74	2.46	4.41	.00	.00	.00
Communicatns,utils,sanitary serv	.91	.90	.87	.00	.00	.00	.04	.06	.06
Communications	.07	.06	.05	.00	.00	.00	.00	.00	.00
Telephone(wire and radio)	.05	.04	.03	.00	.00	.00	.00	.00	.00
Radio and tv broadcasting	.01	.01	.02	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	.83	.83	.81	.00	.00	.00	.04	.06	.06
Electric light and power	.11	.15	.12	.00	.00	.00	.04	.06	.06
Electric-gas utilities	.14	.14	.16	.00	.00	.00	.00	.00	.00
Gas steam supply systems	.03	.02	.02	.00	.00	.00	.00	.00	.00
Water supply	.20	.20	.22	.00	.00	.00	.00	.00	.00
Sanitary services	.31	.28	.25	.00	.00	.00	.00	.00	.00
Other utilities	.03	.02	.02	.00	.00	.00	.00	.00	.00
Wholesale and retail trade	1.66	1.82	2.39	1.21	1.28	1.25	2.37	2.50	4.14
Wholesale trade	.53	.53	.66	1.01	1.10	1.20	1.11	1.20	2.35
Wholesale,exc misc whlsle trade	.15	.15	.13	.62	.70	.75	.12	.16	.46
Motor vehicles and equipment	.00	.00	.00	.00	.00	.00	.02	.04	.23
Drugs,chemicals,allied product	.01	.00	.00	.00	.00	.00	.00	.00	.00
Food and related products	.06	.06	.05	.48	.47	.48	.08	.10	.21
Farm products-raw materials	.01	.01	.00	.13	.23	.26	.01	.01	.01
Machinery equipment,supplies	.04	.04	.04	.00	.00	.00	.00	.00	.00
Miscellaneous wholesale trade	.37	.38	.52	.39	.40	.45	.99	1.03	1.88
Metals and minerals, other	.00	.00	.01	.05	.04	.03	.00	.00	.00
Petroleum products	.03	.02	.00	.12	.17	.40	.00	.00	.00
Scrap and waste material	.01	.01	.01	.04	.05	.02	.00	.00	.00
Alcoholic beverages	.00	.01	.01	.00	.00	.00	.00	.00	.00
Paper and paper products	.00	.00	.01	.00	.00	.00	.02	.02	.06
Lumber,construction materials	.01	.01	.03	.04	.03	.00	.48	.49	.89
Other wholesale trade	.29	.30	.42	.13	.10	.00	.47	.51	.93

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Gardeners, groundkeepers except farm			Longshore workers, stevedores			Timbercutng logging workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Retail trade	1.12	1.28	1.73	.20	.17	.04	1.26	1.30	1.79
Building materials	.07	.06	.05	.00	.00	.00	.82	.81	.52
Lumber,building material	.03	.03	.01	.00	.00	.00	.78	.78	.47
Hardware and farm equipment	.03	.03	.03	.00	.00	.00	.03	.03	.04
General merchandise,total	.06	.07	.16	.05	.03	.00	.32	.41	1.26
Department stores,mail order	.03	.04	.10	.00	.00	.00	.23	.34	1.17
Limited price stores	.00	.00	.00	.00	.00	.00	.05	.03	.00
Direct selling	.00	.00	.01	.05	.03	.00	.00	.00	.00
Miscellaneous merchandise store	.01	.01	.04	.00	.00	.00	.03	.03	.09
Food and dairy stores	.04	.05	.09	.09	.08	.04	.00	.00	.00
Grocery stores	.03	.04	.08	.07	.06	.00	.00	.00	.00
Food stores,cther	.00	.01	.01	.01	.02	.04	.00	.00	.00
Auto dealers,gas stations	.05	.06	.11	.00	.00	.00	.00	.00	.00
Motor vehicle dealers	.01	.02	.02	.00	.00	.00	.00	.00	.00
Gasoline service stations	.00	.01	.01	.00	.00	.00	.00	.00	.00
Miscellaneous vehicle dealers	.02	.03	.06	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.03	.03	.03	.00	.00	.00	.00	.00	.00
Home furnishings	.01	.01	.01	.00	.00	.00	.00	.00	.00
Household appliances,tv,radio	.02	.02	.01	.00	.00	.00	.00	.00	.00
Eating and drinking places	.11	.20	.31	.00	.00	.00	.00	.00	.00
Miscellaneous retail trade	.73	.79	.95	.05	.05	.00	.11	.07	.00
Drug stores	.00	.00	.01	.00	.00	.00	.00	.00	.00
Farm,garden supply stores	.50	.54	.75	.03	.03	.00	.00	.00	.00
Fuel and ice dealers	.00	.00	.00	.00	.00	.00	.09	.05	.00
Retail florists	.14	.13	.07	.00	.00	.00	.00	.00	.00
Misc retail trade stores	.06	.08	.09	.02	.02	.00	.02	.02	.00
Finance,insurance and real estate	6.41	7.22	6.87	.06	.06	.00	.00	.00	.00
Finance,total	.10	.07	.24	.00	.00	.00	.00	.00	.00
Banking	.05	.03	.14	.00	.00	.00	.00	.00	.00
Credit agencies	.03	.02	.09	.00	.00	.00	.00	.00	.00
Stock brokers,investment cos	.01	.01	.01	.00	.00	.00	.00	.00	.00
Insurance	.16	.12	.09	.00	.00	.00	.00	.00	.00
Real estate	6.14	7.02	6.53	.06	.06	.00	.00	.00	.00
Services, total	50.93	43.04	44.76	.01	.01	.00	.13	.17	.40
Hotels and lodging place	1.33	1.38	1.53	.00	.00	.00	.00	.00	.00
Hotels and motels	.80	.90	.89	.00	.00	.00	.00	.00	.00
Other lodging places	.52	.47	.64	.00	.00	.00	.00	.00	.00
Other personal services	.10	.20	.21	.00	.00	.00	.00	.00	.00
Misc personal services	.10	.20	.21	.00	.00	.00	.00	.00	.00
Miscellaneous business services	.42	.52	1.21	.00	.00	.00	.05	.08	.17
Business management services	.01	.01	.03	.00	.00	.00	.00	.00	.00
Commercial research,development	.01	.02	.06	.00	.00	.00	.00	.00	.00
Detective and protective serv	.02	.02	.04	.00	.00	.00	.00	.00	.00
Employment,temporary help	.01	.00	.00	.00	.00	.00	.00	.00	.00
Services to buildings	.30	.36	.91	.00	.00	.00	.00	.00	.00
Other business services	.04	.07	.13	.00	.00	.00	.05	.08	.17
Automobile services	.00	.00	.01	.00	.00	.00	.00	.00	.00
Automobile services,exc repair	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other repair services	.04	.06	.08	.00	.00	.00	.00	.00	.00
Electrical repair	.01	.00	.01	.00	.00	.00	.00	.00	.00
Other repair,exc electrical	.03	.05	.06	.00	.00	.00	.00	.00	.00
Motion pictures and theaters	.09	.07	.11	.00	.00	.00	.00	.00	.00
Miscellaneous entertainment	5.99	10.53	12.82	.00	.00	.00	.00	.00	.00
Bowling alleys,billards	.03	.03	.02	.00	.00	.00	.00	.00	.00
Other entertainment	5.96	10.50	12.79	.00	.00	.00	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Gardeners, groundkeepr except farm			Longshore workers, stevedores			Timbercutng logging workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Medical and other health service	2.53	2.79	5.62	.00	.00	.00	.05	.05	.00
Offices of physicians	.21	.13	.23	.00	.00	.00	.00	.00	.00
Offices of dentists	.14	.07	.04	.00	.00	.00	.00	.00	.00
Offices of chiropractors	.00	.01	.00	.00	.00	.00	.00	.00	.00
Hospitals	1.69	1.90	3.18	.00	.00	.00	.05	.05	.00
Convalescent institutions	.40	.57	2.09	.00	.00	.00	.00	.00	.00
Other health services	.06	.08	.05	.00	.00	.00	.00	.00	.00
Legal services	.00	.01	.02	.00	.00	.00	.00	.00	.00
Educational services	5.61	7.40	9.72	.00	.00	.00	.00	.00	.00
Elementary and secondary school	2.35	3.40	3.77	.00	.00	.00	.00	.00	.00
Colleges and universities	3.16	3.88	5.76	.00	.00	.00	.00	.00	.00
Libraries	.01	.01	.04	.00	.00	.00	.00	.00	.00
Other educational services	.07	.10	.14	.00	.00	.00	.00	.00	.00
Museums, art galleries, zoos	.14	.24	.55	.00	.00	.00	.00	.00	.00
Nonprofit organizations	.91	1.16	1.66	.00	.00	.00	.00	.00	.00
Religious organizations	.62	.80	.99	.00	.00	.00	.00	.00	.00
Welfare services	.11	.12	.27	.00	.00	.00	.00	.00	.00
Residential welfare services	.03	.04	.14	.00	.00	.00	.00	.00	.00
Nonprofit membership organiztns	.15	.17	.24	.00	.00	.00	.00	.00	.00
Private households	33.62	18.52	11.04	.00	.00	.00	.02	.04	.23
Other professional services	.09	.12	.13	.00	.00	.00	.00	.00	.00
Engineering and architectural	.04	.05	.04	.00	.00	.00	.00	.00	.00
Miscellaneous professional serv	.04	.07	.08	.00	.00	.00	.00	.00	.00
Government, total	10.93	12.05	11.55	.39	.71	2.43	.03	.03	.00
Federal public administration	.77	.68	1.78	.00	.00	.00	.00	.00	.00
Postal services	.04	.04	.03	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	.73	.63	1.75	.00	.00	.00	.00	.00	.00
State public administration	1.64	1.94	.72	.22	.39	1.25	.01	.01	.00
Local public administration	8.52	9.42	9.04	.16	.31	1.18	.01	.01	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock handlers			Teamsters			Vehicle washr, equip cleaners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
<b>Total all industries</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
Agriculture, forestry, fisheries	.03	.03	.02	.24	.56	1.45	.15	.22	.22
Agriculture	.02	.02	.01	.24	.56	1.45	.12	.18	.19
Services, except horticulture	.01	.01	.01	.12	.24	.75	.08	.13	.14
Horticultural services	.00	.01	.00	.11	.32	.70	.03	.04	.04
Fisheries	.01	.01	.00	.00	.00	.00	.02	.03	.02
<b>Mining</b>	<b>.03</b>	<b>.03</b>	<b>.03</b>	<b>.62</b>	<b>1.46</b>	<b>4.55</b>	<b>.45</b>	<b>.48</b>	<b>.28</b>
Metal	.00	.00	.00	.14	.22	.65	.11	.10	.07
Coal	.00	.00	.00	.21	.39	.77	.06	.08	.07
Crude petroleum and natural gas	.00	.01	.00	.27	.84	3.12	.15	.19	.06
Nonmetallic mining and quarrying	.01	.01	.00	.00	.00	.00	.11	.10	.06
<b>Construction</b>	<b>.15</b>	<b>.18</b>	<b>.23</b>	<b>1.30</b>	<b>2.24</b>	<b>6.32</b>	<b>.72</b>	<b>.87</b>	<b>1.25</b>
General building contractors	.01	.02	.03	.00	.00	.00	.07	.10	.20
General contractors, exc building	.03	.03	.05	1.30	2.24	6.32	.37	.40	.49
Special trade contractors	.10	.12	.14	.00	.00	.00	.27	.36	.54
<b>Manufacturing</b>	<b>13.64</b>	<b>11.01</b>	<b>7.45</b>	<b>80.65</b>	<b>74.98</b>	<b>60.60</b>	<b>35.15</b>	<b>28.05</b>	<b>19.15</b>
<b>Durable goods</b>	<b>6.56</b>	<b>5.85</b>	<b>4.91</b>	<b>72.09</b>	<b>65.36</b>	<b>45.07</b>	<b>15.67</b>	<b>14.41</b>	<b>13.21</b>
Ordnance	.09	.04	.03	.15	.08	.00	.28	.15	.19
Lumber and wood products	.15	.11	.06	63.02	53.92	27.01	.31	.26	.18
Logging	.01	.01	.00	20.66	18.75	2.62	.03	.03	.02
Sawmill, planing and mill work	.09	.06	.03	42.03	34.78	24.06	.18	.15	.11
Miscellaneous wood products	.04	.03	.02	.32	.37	.32	.09	.07	.04
Furniture and fixtures	.23	.18	.08	.31	.32	.00	.33	.26	.09
Stone, clay, and glass products	.43	.32	.11	1.21	1.65	3.40	1.25	.98	.35
Glass and glass products	.06	.04	.01	.58	.82	2.07	.69	.53	.18
Cement, concrete, plaster	.08	.06	.01	.25	.36	.70	.23	.19	.07
Structural clay products	.13	.08	.01	.12	.17	.27	.05	.03	.00
Pottery and related products	.02	.02	.00	.00	.00	.00	.09	.07	.02
Miscellaneous nonmetallic, stone	.12	.10	.06	.24	.29	.35	.17	.14	.05
<b>Primary metal industries</b>	<b>.34</b>	<b>.26</b>	<b>.20</b>	<b>1.24</b>	<b>1.53</b>	<b>2.52</b>	<b>2.17</b>	<b>1.65</b>	<b>1.05</b>
Blast furnaces, steel works	.14	.09	.07	.55	.67	1.37	.79	.48	.14
Other primary steel	.08	.06	.02	.21	.20	.00	.77	.55	.20
Primary aluminum	.03	.03	.03	.24	.32	.42	.22	.2*	.25
Other primary nonferrous	.07	.06	.06	.22	.32	.72	.38	.36	.44
Fabricated metal products	.76	.71	.64	1.92	2.41	3.35	2.03	2.03	2.07
Cutlery and other hardware	.14	.13	.09	.17	.25	.60	.20	.19	.13
Fabricated structural metal	.09	.07	.02	.05	.05	.00	.19	.16	.07
Screw machine products	.09	.08	.08	.10	.15	.32	.26	.27	.30
Metal stamping	.19	.18	.21	.72	.74	.57	.39	.40	.50
Miscellaneous fabricated metal	.22	.22	.22	.87	1.20	1.85	.96	.99	1.07
<b>Machinery except electrical</b>	<b>1.21</b>	<b>1.24</b>	<b>1.45</b>	<b>1.02</b>	<b>1.10</b>	<b>.00</b>	<b>3.15</b>	<b>3.45</b>	<b>4.33</b>
Engines and turbines	.11	.13	.13	.07	.08	.00	.24	.27	.28
Farm machinery and equipment	.09	.07	.02	.05	.06	.00	.15	.14	.08
Construction machines	.23	.26	.32	.14	.15	.00	.60	.72	.93
Metalworking machinery	.11	.12	.14	.21	.22	.00	.83	.90	1.19
Office and accounting machines	.06	.03	.02	.00	.00	.00	.05	.03	.01
Electronic computing equipment	.04	.05	.10	.07	.08	.00	.04	.04	.04
Other machinery, exc electrical	.54	.56	.70	.47	.48	.00	1.20	1.32	1.77
<b>Electrical machinery</b>	<b>1.20</b>	<b>1.11</b>	<b>1.23</b>	<b>1.50</b>	<b>2.06</b>	<b>5.97</b>	<b>1.53</b>	<b>1.54</b>	<b>1.92</b>
Household appliances	.13	.11	.12	.68	.58	.35	.18	.17	.21
Radio, tv communications equip	.39	.31	.30	.00	.00	.00	.30	.26	.30
Other electrical machinery	.68	.68	.80	.81	1.48	5.62	1.03	1.10	1.40
<b>Transportation equipment</b>	<b>1.46</b>	<b>1.29</b>	<b>.70</b>	<b>1.68</b>	<b>2.25</b>	<b>2.80</b>	<b>3.79</b>	<b>3.28</b>	<b>2.33</b>
Motor vehicles and equipment	1.22	1.09	.54	1.41	1.91	2.02	2.18	1.99	1.57
Aircraft and parts	.14	.08	.02	.05	.03	.00	.42	.27	.10
Ship, boat building and repair	.03	.02	.01	.00	.00	.00	1.04	.83	.36
Railroad equipment	.02	.02	.02	.05	.06	.20	.08	.09	.10
Mobile dwellings	.02	.02	.05	.15	.24	.57	.04	.05	.15
Cycles, misc transportation	.02	.03	.05	.00	.00	.00	.01	.02	.03
Professional, scientific instrs	.27	.28	.27	.00	.00	.00	.39	.43	.50
Scientific instruments	.09	.08	.08	.00	.00	.00	.09	.10	.12
Optical, health serv supplies	.10	.13	.17	.00	.00	.00	.16	.23	.33
Photo equipment and supplies	.05	.04	.02	.00	.00	.00	.10	.08	.03
Watches and clock devices	.02	.01	.00	.00	.00	.00	.02	.01	.00
Miscellaneous manufacturing	.36	.27	.11	.00	.00	.00	.40	.32	.15
<b>Nondurable goods</b>	<b>7.07</b>	<b>5.15</b>	<b>2.53</b>	<b>8.55</b>	<b>9.61</b>	<b>15.53</b>	<b>19.48</b>	<b>13.64</b>	<b>5.93</b>

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock handlers			Teamsters			Vehicle washr, equip cleaners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	1.61	1.05	.33	2.80	3.36	5.60	9.83	6.43	1.97
Meat	.28	.20	.07	.57	.63	.82	1.54	1.15	.40
Dairy	.22	.11	.03	.22	.24	.42	2.21	1.21	.30
Canning and preserving	.17	.11	.03	.55	.63	.80	1.43	1.03	.35
Grain mill	.23	.16	.05	.47	.70	1.85	.35	.26	.09
Bakery	.23	.14	.04	.30	.34	.57	1.93	1.16	.29
Confectionery	.11	.07	.02	.00	.00	.00	.34	.21	.05
Beverages	.08	.05	.01	.45	.50	.55	1.15	.77	.25
Miscellaneous food preparation	.26	.17	.06	.21	.29	.57	.86	.62	.21
Tobacco manufacturing	.05	.02	.00	.00	.00	.00	.30	.20	.09
Textile mill products	.97	.69	.40	1.97	2.17	4.17	3.88	2.66	1.25
Knitting mills	.46	.33	.22	.00	.00	.00	.21	.15	.08
Dyeing,finishing textiles	.07	.04	.01	.00	.00	.00	.24	.16	.05
Floor coverings	.05	.04	.03	.00	.00	.00	.06	.05	.03
Yarn and fabric mills	.35	.23	.12	1.97	2.17	4.17	3.08	2.10	1.01
Miscellaneous textile mill	.04	.02	.01	.00	.00	.00	.27	.18	.07
Apparel and textile products	1.72	1.26	.52	.00	.00	.00	.22	.17	.06
Apparel and accessories	1.46	1.05	.43	.00	.00	.00	.11	.08	.03
Miscellaneous fabricated textile	.25	.21	.08	.00	.00	.00	.10	.09	.03
Paper and allied products	.52	.35	.12	2.80	3.20	5.25	1.06	.70	.25
Pulp,paper paperboard mills	.14	.08	.02	.92	.94	1.27	.67	.43	.13
Paperboard ccontainers,boxes	.16	.10	.04	.80	.87	1.92	.24	.16	.08
Miscellaneous paper and pulp	.21	.16	.05	1.07	1.37	2.05	.14	.10	.02
Printing and publishing	.59	.44	.18	.32	.31	.00	.77	.59	.23
Newspaper publishing, printing	.03	.02	.00	.00	.00	.00	.20	.16	.08
Other printing,exc newspapers	.56	.42	.18	.32	.31	.00	.57	.42	.15
Chemicals and allied products	.84	.68	.56	.51	.43	.50	1.70	1.49	1.46
Industrial chemicals	.09	.08	.10	.00	.00	.00	.46	.43	.57
Plastics and synthetics	.06	.05	.05	.08	.13	.30	.18	.16	.18
Synthetic fibers	.02	.01	.00	.00	.00	.00	.24	.18	.09
Drugs and medicines	.11	.09	.03	.00	.00	.00	.30	.27	.12
Soaps and cosmetics	.16	.14	.13	.00	.00	.00	.21	.21	.24
Paints and varnishes	.11	.09	.05	.00	.00	.00	.13	.09	.04
Agricultural chemicals	.12	.10	.06	.00	.00	.00	.03	.03	.05
Miscellaneous chemicals	.13	.09	.11	.42	.29	.20	.12	.09	.15
Petroleum and coal products	.04	.03	.01	.00	.00	.00	.30	.23	.07
Petroleum refining	.02	.01	.00	.00	.00	.00	.28	.22	.06
Misc petroleum,coal products	.02	.02	.01	.00	.00	.00	.01	.01	.00
Rubber,miscellaneous plastics	.43	.41	.24	.14	.13	.00	1.17	1.01	.47
Rubber	.23	.19	.14	.14	.13	.00	.85	.62	.26
Miscellaneous plastics	.19	.21	.10	.00	.00	.00	.31	.38	.21
Leather products	.27	.18	.11	.00	.00	.00	.20	.12	.05
Leather tanning and finishing	.00	.00	.00	.00	.00	.00	.02	.01	.00
Footwear, except rubber	.19	.13	.07	.00	.00	.00	.15	.10	.04
All other leather	.07	.05	.04	.00	.00	.00	.01	.01	.00
Transportation, other public util	.93	.72	.34	8.10	7.18	3.20	9.96	7.94	7.35
Transportation,total	.73	.55	.23	7.94	6.96	2.57	8.71	6.78	6.62
Railroads and railway express	.07	.03	.01	.52	.63	1.15	1.80	.99	.62
Local and interurban transit	.03	.01	.01	.05	.05	.00	2.02	1.26	1.62
Street railways and bus lines	.03	.01	.01	.05	.05	.00	1.96	1.18	1.58
Taxicab service	.00	.00	.00	.00	.00	.00	.06	.07	.03
Trucking and warehousing	.38	.29	.09	7.17	5.99	.75	1.34	1.25	.89
Trucking services	.07	.06	.02	6.83	5.67	.57	1.30	1.22	.88
Warehousing and storage	.31	.22	.07	.34	.32	.17	.04	.03	.01
Water transportation	.01	.01	.00	.00	.00	.00	.35	.30	.08
Air transportation	.22	.18	.08	.00	.00	.00	2.60	2.23	2.04
Transportation services	.01	.01	.02	.18	.27	.67	.58	.73	1.35
Communicatns,utils,sanitary serv	.19	.16	.10	.15	.22	.62	1.25	1.16	.73
Communications	.06	.05	.01	.00	.00	.00	.45	.38	.20
Telephone(wire and radio)	.06	.04	.01	.00	.00	.00	.45	.38	.20
Utilities and sanitary services	.12	.11	.08	.15	.22	.62	.80	.77	.52
Electric light and power	.05	.05	.03	.00	.00	.00	.22	.28	.29
Electric-gas utilities	.03	.03	.03	.00	.00	.00	.06	.06	.05
Gas steam supply systems	.02	.01	.00	.00	.00	.00	.04	.03	.01
Water supply	.00	.00	.00	.00	.00	.00	.06	.05	.03
Sanitary services	.00	.00	.00	.00	.00	.00	.39	.33	.12
Other utilities	.00	.00	.00	.15	.22	.62	.00	.00	.00
Wholesale and retail trade	81.00	84.09	87.41	7.60	10.60	17.08	22.66	25.81	24.56
Wholesale trade	11.40	11.01	8.92	3.10	4.46	8.55	3.01	3.14	2.37

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock handlers			Teamsters			Vehicle washr, equip cleaners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale, exc misc whlsle trade	8.44	8.20	6.25	1.91	2.58	3.37	2.51	2.62	1.89
Motor vehicles and equipment	1.29	1.35	1.19	.07	.06	.00	.81	.83	.53
Drugs, chemicals, allied product	1.76	1.54	.96	.00	.00	.00	.06	.06	.04
Dry goods and apparel	.75	.63	.50	.32	.46	1.10	.05	.04	.02
Food and related products	1.87	1.72	1.13	1.24	1.58	1.65	.87	.86	.63
Farm products-raw materials	.10	.13	.04	.08	.25	.62	.07	.07	.01
Electrical goods	.69	.68	.65	.10	.10	.00	.05	.06	.07
Hardware and plumbing	.81	.83	.69	.00	.00	.00	.01	.01	.01
Machinery equipment, supplies	1.12	1.28	1.07	.08	.10	.00	.56	.66	.55
Miscellaneous wholesale trade	2.96	2.80	2.67	1.18	1.87	5.17	.49	.52	.47
Metals and minerals, other	.27	.24	.25	.00	.00	.00	.04	.04	.05
Petroleum products	.05	.04	.01	.17	.29	.72	.19	.17	.07
Scrap and waste material	.01	.02	.02	.00	.00	.00	.09	.13	.11
Alcoholic beverages	.12	.14	.10	.07	.13	.35	.04	.05	.06
Paper and paper products	.56	.46	.52	.10	.13	.55	.01	.01	.01
Lumber, construction materials	.20	.18	.18	.37	.41	.47	.05	.05	.09
Other wholesale trade	1.72	1.69	1.56	.47	.89	3.07	.04	.05	.05
Retail trade	69.59	73.08	78.48	4.50	6.13	8.52	19.65	22.66	22.18
Building materials	.99	.81	.25	.44	.72	1.50	.14	.13	.07
Lumber, building material	.56	.49	.12	.44	.72	1.50	.07	.06	.01
Hardware and farm equipment	.43	.32	.12	.00	.00	.00	.07	.07	.06
General merchandise, total	9.43	9.53	11.67	1.05	1.15	.35	.20	.23	.41
Department stores, mail order	6.24	7.04	9.19	.80	.87	.00	.05	.07	.16
Limited price stores	1.79	1.16	.38	.05	.05	.00	.00	.00	.00
Vending machine operators	.04	.05	.08	.11	.13	.35	.09	.10	.18
Direct selling	.06	.05	.05	.00	.00	.00	.02	.02	.04
Miscellaneous merchandise store	1.28	1.22	1.96	.08	.08	.00	.02	.02	.02
Food and dairy stores	52.25	55.38	60.39	2.61	3.86	6.45	.68	.87	1.05
Grocery stores	51.88	54.91	60.01	2.61	3.86	6.45	.30	.37	.59
Dairy products	.04	.06	.04	.00	.00	.00	.06	.08	.05
Retail bakeries	.08	.09	.07	.00	.00	.00	.22	.28	.27
Food stores, cther	.23	.30	.25	.00	.00	.00	.09	.12	.13
Auto dealers, gas stations	.46	.64	.76	.05	.05	.00	18.05	20.48	19.25
Motor vehicle dealers	.12	.13	.11	.00	.00	.00	16.43	18.70	17.81
Tire, battery, accessory dealers	.30	.45	.58	.00	.00	.00	.09	.14	.15
Gasoline service stations	.01	.01	.00	.05	.05	.00	1.30	1.29	.76
Miscellaneous vehicle dealers	.02	.04	.06	.00	.00	.00	.21	.34	.51
Apparel and accessory stores	1.71	1.61	.86	.04	.03	.00	.03	.05	.08
Apparel, accessory, except shoes	1.29	1.16	.39	.04	.03	.00	.03	.05	.08
Shoe stores	.42	.45	.46	.00	.00	.00	.00	.00	.00
Furniture and appliance stores	.44	.41	.17	.00	.00	.00	.01	.02	.02
Home furnishings	.29	.25	.10	.00	.00	.00	.01	.02	.02
Household appliances, tv, radio	.15	.15	.06	.00	.00	.00	.00	.00	.00
Eating and drinking places	.38	.67	.58	.00	.00	.00	.24	.56	.82
Miscellaneous retail trade	3.89	4.00	3.78	.28	.31	.22	.26	.31	.44
Drug stores	2.16	1.83	1.47	.00	.00	.00	.02	.03	.07
Liquor stores	.57	.68	.40	.00	.00	.00	.02	.02	.00
Farm, garden supply stores	.20	.28	.30	.05	.05	.00	.00	.00	.00
Jewelry stores	.11	.10	.02	.00	.00	.00	.01	.01	.00
Fuel and ice dealers	.02	.01	.00	.22	.25	.22	.09	.07	.04
Retail florists	.03	.03	.01	.00	.00	.00	.00	.00	.01
Misc retail trade stores	.77	1.05	1.56	.00	.00	.00	.10	.15	.30
Finance, insurance and real estate	.17	.14	.17	.00	.00	.00	.08	.08	.05
Finance, total	.10	.10	.16	.00	.00	.00	.02	.01	.00
Banking	.05	.06	.14	.00	.00	.00	.02	.01	.00
Stock brokers, investment cos	.05	.03	.02	.00	.00	.00	.00	.00	.00
Insurance	.03	.02	.00	.00	.00	.00	.01	.01	.00
Real estate	.02	.02	.00	.00	.00	.00	.04	.05	.05
Services, total	3.65	3.42	4.23	1.47	2.94	6.77	29.87	35.50	46.75

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Stock handlers			Teamsters			Vehicle washr, equip cleaners		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.05	.07	.09	.00	.00	.00	.00	.00	.00
Hotels and motels	.04	.07	.08	.00	.00	.00	.00	.00	.00
Other lodging places	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other personal services	1.70	.90	.30	.08	.06	.00	1.61	1.09	.45
Laundering and cleaning	1.70	.90	.30	.08	.06	.00	1.47	.82	.24
Misc personal services	.00	.00	.00	.00	.00	.00	.14	.26	.20
Miscellaneous business services	.31	.49	.71	.00	.00	.00	1.05	1.70	3.30
Business management services	.00	.01	.02	.00	.00	.00	.01	.01	.02
Commercial research,development	.00	.00	.01	.00	.00	.00	.04	.07	.15
Computer programing	.01	.02	.03	.00	.00	.00	.01	.01	.01
Detective and protective serv	.02	.05	.08	.00	.00	.00	.08	.17	.34
Services to buildings	.00	.01	.03	.00	.00	.00	.43	.68	1.68
Other business services	.24	.38	.51	.00	.00	.00	.45	.73	1.08
Automobile services	.02	.03	.04	.08	.10	.00	24.78	29.35	38.35
Automobile repair	.01	.02	.02	.00	.00	.00	.94	1.52	1.05
Automobile services,exc repair	.01	.01	.01	.08	.10	.00	23.83	27.82	37.30
Other repair services	.02	.03	.04	.14	.32	.92	.38	.64	.63
Electrical repair	.01	.01	.02	.00	.00	.00	.03	.03	.08
Other repair,exc electrical	.01	.02	.01	.14	.32	.92	.35	.61	.55
Motion pictures and theaters	.01	.01	.01	.30	.50	2.47	.00	.00	.00
Miscellaneous entertainment	.03	.04	.02	.57	1.62	3.37	.12	.16	.05
Bowling alleys,billards	.00	.00	.00	.00	.00	.00	.03	.03	.01
Other entertainment	.02	.04	.01	.57	1.62	3.37	.08	.13	.04
Medical and other health service	1.13	1.39	2.45	.28	.32	.00	.96	1.33	2.41
Offices of physicians	.00	.00	.00	.00	.00	.00	.06	.03	.08
Hospitals	1.10	1.32	2.24	.28	.32	.00	.65	.78	1.12
Convalescent institutions	.01	.02	.13	.00	.00	.00	.13	.22	.97
Other health services	.01	.04	.08	.00	.00	.00	.11	.28	.22
Educational services	.25	.32	.43	.00	.00	.00	.68	.86	1.20
Elementary and secondary school	.06	.10	.12	.00	.00	.00	.15	.26	.36
Colleges and universities	.18	.20	.28	.00	.00	.00	.49	.55	.76
Libraries	.00	.00	.01	.00	.00	.00	.00	.00	.00
Other educational services	.00	.00	.01	.00	.00	.00	.03	.04	.07
Nonprofit organizations	.07	.08	.08	.00	.00	.00	.11	.13	.18
Religious organizations	.01	.02	.02	.00	.00	.00	.02	.03	.06
Welfare services	.02	.02	.02	.00	.00	.00	.02	.03	.06
Residential welfare services	.00	.00	.00	.00	.00	.00	.01	.01	.03
Nonprofit membership organiztns	.03	.03	.02	.00	.00	.00	.04	.04	.02
Private households	.00	.00	.00	.00	.00	.00	.08	.12	.05
Other professional services	.01	.02	.03	.00	.00	.00	.04	.06	.09
Engineering and architectural	.00	.00	.02	.00	.00	.00	.02	.03	.03
Miscellaneous professional serv	.00	.00	.00	.00	.00	.00	.02	.02	.05
Government, total	.38	.33	.07	.00	.00	.00	.91	1.00	.36
Federal public administration	.31	.26	.03	.00	.00	.00	.59	.68	.18
Postal services	.01	.01	.00	.00	.00	.00	.00	.00	.00
Federal pub adm,exc post office	.30	.25	.02	.00	.00	.00	.59	.68	.18
State public administration	.04	.04	.02	.00	.00	.00	.00	.00	.00
Local public administration	.03	.03	.01	.00	.00	.00	.31	.32	.18

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Warehouse laborers, other			Other laborers			Farmers and farm workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	.14	.18	.19	2.31	2.70	2.14	100.00	100.00	100.00
Agriculture	.06	.05	.03	.28	.37	.36	100.00	100.00	100.00
Agricultural production	.00	.00	.00	.00	.00	.00	98.48	97.27	95.54
Services, except horticulture	.05	.04	.01	.28	.37	.36	1.51	2.72	4.45
Horticultural services	.01	.01	.01	.00	.00	.00	.00	.00	.00
Forestry	.06	.10	.08	1.97	2.22	1.63	.00	.00	.00
Fisheries	.01	.02	.07	.05	.10	.14	.00	.00	.00
Mining	.67	.95	1.70	1.00	1.15	1.05	.00	.00	.00
Metal	.29	.33	.66	.23	.22	.23	.00	.00	.00
Coal	.01	.02	.04	.42	.53	.57	.00	.00	.00
Crude petroleum and natural gas	.29	.51	.86	.14	.20	.10	.00	.00	.00
Nonmetallic mining and quarrying	.07	.08	.13	.20	.20	.14	.00	.00	.00
Construction	1.54	1.69	1.80	.01	.01	.04	.00	.00	.00
General building contractors	.20	.21	.22	.00	.00	.00	.00	.00	.00
General contractors, exc building	.42	.41	.38	.01	.01	.04	.00	.00	.00
Special trade contractors	.90	1.06	1.20	.00	.00	.00	.00	.00	.00
Manufacturing	23.06	20.31	21.61	48.12	43.35	40.74	.00	.00	.00
Durable goods	9.04	7.79	7.58	37.75	34.67	34.14	.00	.00	.00
Ordnance	.31	.13	.08	.93	.49	.53	.00	.00	.00
Lumber and wood products	.34	.29	.21	4.50	4.09	2.82	.00	.00	.00
Logging	.01	.01	.00	.00	.00	.00	.00	.00	.00
Sawmill, planing and mill work	.28	.25	.19	4.08	3.76	2.69	.00	.00	.00
Miscellaneous wood products	.04	.03	.01	.42	.32	.13	.00	.00	.00
Furniture and fixtures	.56	.63	1.11	.38	.38	.37	.00	.00	.00
Stone, clay, and glass products	.87	.81	.86	2.02	1.75	1.04	.00	.00	.00
Glass and glass products	.39	.38	.45	.28	.25	.17	.00	.00	.00
Cement, concrete, plaster	.12	.08	.01	.51	.47	.30	.00	.00	.00
Structural clay products	.04	.02	.00	.58	.39	.11	.00	.00	.00
Pottery and related products	.08	.09	.15	.15	.13	.09	.00	.00	.00
Miscellaneous nonmetallic, stone	.23	.22	.22	.49	.48	.35	.00	.00	.00
Primary metal industries	.80	.63	.58	17.19	14.40	13.63	.00	.00	.00
Blast furnaces, steel works	.31	.24	.24	9.80	7.62	6.39	.00	.00	.00
Other primary steel	.24	.22	.29	5.65	4.98	5.24	.00	.00	.00
Primary aluminum	.06	.04	.00	.70	.78	.71	.00	.00	.00
Other primary nonferrous	.19	.13	.04	1.03	1.01	1.28	.00	.00	.00
Fabricated metal products	1.35	1.25	1.21	5.73	6.01	6.72	.00	.00	.00
Cutlery and other hardware	.07	.07	.07	.22	.25	.30	.00	.00	.00
Fabricated structural metal	.41	.46	.79	1.64	1.68	1.55	.00	.00	.00
Screw machine products	.07	.05	.02	.44	.46	.55	.00	.00	.00
Metal stamping	.08	.07	.04	.90	.95	1.25	.00	.00	.00
Miscellaneous fabricated metal	.71	.58	.28	2.51	2.65	3.05	.00	.00	.00
Machinery except electrical	1.12	1.01	.70	2.53	2.89	3.85	.00	.00	.00
Engines and turbines	.04	.03	.01	.31	.37	.44	.00	.00	.00
Farm machinery and equipment	.21	.15	.04	.24	.25	.21	.00	.00	.00
Construction machines	.33	.32	.19	.56	.69	.97	.00	.00	.00
Metalworking machinery	.06	.06	.07	.33	.36	.52	.00	.00	.00
Office and accounting machines	.03	.02	.05	.03	.02	.00	.00	.00	.00
Electronic computing equipment	.04	.05	.06	.01	.01	.01	.00	.00	.00
Other machinery, exc electrical	.38	.34	.25	1.03	1.16	1.66	.00	.00	.00
Electrical machinery	1.35	1.05	.74	1.19	1.27	1.81	.00	.00	.00
Household appliances	.15	.14	.19	.17	.17	.27	.00	.00	.00
Radio, tv communications equip	.56	.39	.30	.14	.13	.16	.00	.00	.00
Other electrical machinery	.63	.51	.24	.86	.96	1.38	.00	.00	.00
Transportation equipment	1.57	1.28	1.56	2.61	2.73	2.71	.00	.00	.00
Motor vehicles and equipment	.43	.55	1.07	1.29	1.41	1.32	.00	.00	.00
Aircraft and parts	.24	.14	.04	.18	.10	.01	.00	.00	.00
Ship, boat building and repair	.78	.46	.33	.66	.63	.53	.00	.00	.00
Railroad equipment	.03	.02	.00	.34	.40	.44	.00	.00	.00
Mobile dwellings	.03	.04	.08	.10	.13	.35	.00	.00	.00
Cycles, misc transportation	.04	.04	.02	.02	.03	.04	.00	.00	.00
Professional, scientific instrs	.29	.28	.17	.19	.21	.27	.00	.00	.00
Scientific instruments	.11	.08	.04	.06	.06	.08	.00	.00	.00
Optical, health serv supplies	.09	.10	.07	.04	.06	.09	.00	.00	.00
Photo equipment and supplies	.09	.08	.05	.05	.05	.06	.00	.00	.00
Watches and clock devices	.00	.00	.00	.02	.02	.02	.00	.00	.00
Miscellaneous manufacturing	.44	.38	.32	.43	.40	.34	.00	.00	.00
Nondurable goods	14.01	12.51	14.02	10.36	8.68	6.60	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Warehouse laborers, other			Other laborers			Farmers and farm workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Food and kindred products	5.85	4.77	3.84	4.21	3.56	2.49	.00	.00	.00
Meat	.18	.15	.10	1.74	1.57	1.12	.00	.00	.00
Dairy	.44	.33	.34	.54	.35	.18	.00	.00	.00
Canning and preserving	1.72	1.43	1.12	.44	.39	.31	.00	.00	.00
Grain mill	.70	.56	.29	.14	.12	.08	.00	.00	.00
Bakery	.39	.28	.21	.12	.08	.02	.00	.00	.00
Confectionery	.20	.18	.26	.04	.03	.02	.00	.00	.00
Beverages	1.37	1.11	.90	.55	.46	.33	.00	.00	.00
Miscellaneous food preparation	.82	.70	.60	.60	.52	.38	.00	.00	.00
Tobacco manufacturing	.10	.06	.04	.12	.08	.04	.00	.00	.00
Textile mill products	.85	.72	1.03	1.36	1.11	1.03	.00	.00	.00
Knitting mills	.15	.16	.40	.16	.14	.16	.00	.00	.00
Dyeing,finishing textiles	.09	.07	.04	.09	.07	.04	.00	.00	.00
Floor coverings	.03	.04	.11	.05	.04	.06	.00	.00	.00
Yarn and fabric mills	.46	.36	.41	.87	.70	.62	.00	.00	.00
Miscellaneous textile mill	.11	.08	.06	.17	.14	.13	.00	.00	.00
Apparel and textile products	.71	.74	1.21	.35	.33	.26	.00	.00	.00
Apparel and accessories	.55	.56	.90	.18	.16	.12	.00	.00	.00
Miscellaneous fabricated textile	.15	.18	.30	.16	.17	.13	.00	.00	.00
Paper and allied products	1.03	.93	1.29	1.25	1.00	.77	.00	.00	.00
Pulp,paper paperboard mills	.30	.22	.14	.83	.64	.45	.00	.00	.00
Paperboard containers,boxes	.36	.30	.44	.26	.21	.19	.00	.00	.00
Miscellaneous paper and pulp	.36	.40	.69	.15	.15	.12	.00	.00	.00
Printing and publishing	.77	.79	1.11	.36	.33	.24	.00	.00	.00
Newspaper publishing, printing	.05	.05	.08	.20	.19	.15	.00	.00	.00
Other printing,exc newspapers	.72	.73	1.02	.16	.14	.08	.00	.00	.00
Chemicals and allied products	2.66	2.28	2.41	.78	.68	.88	.00	.00	.00
Industrial chemicals	.62	.47	.28	.27	.25	.36	.00	.00	.00
Plastics and synthetics	.22	.15	.07	.05	.04	.05	.00	.00	.00
Synthetic fibers	.13	.14	.30	.07	.07	.08	.00	.00	.00
Drugs and medicines	.30	.33	.38	.05	.06	.05	.00	.00	.00
Soaps and cosmetics	.49	.47	.62	.04	.05	.07	.00	.00	.00
Paints and varnishes	.27	.23	.22	.02	.02	.01	.00	.00	.00
Agricultural chemicals	.26	.26	.25	.04	.03	.01	.00	.00	.00
Miscellaneous chemicals	.33	.21	.25	.21	.15	.22	.00	.00	.00
Petroleum and coal products	.52	.48	.52	.11	.11	.09	.00	.00	.00
Petroleum refining	.33	.25	.09	.07	.06	.04	.00	.00	.00
Misc petroleum,coal products	.18	.22	.43	.04	.04	.04	.00	.00	.00
Rubber,miscellaneous plastics	1.29	1.54	2.34	1.28	1.05	.55	.00	.00	.00
Rubber	.73	.69	.97	1.10	.81	.31	.00	.00	.00
Miscellaneous plastics	.55	.85	1.37	.17	.24	.24	.00	.00	.00
Leather products	.20	.16	.18	.51	.39	.23	.00	.00	.00
Leather tanning and finishing	.03	.02	.03	.38	.29	.15	.00	.00	.00
Footwear, except rubber	.12	.09	.08	.10	.07	.06	.00	.00	.00
All other leather	.04	.04	.07	.02	.02	.01	.00	.00	.00
Transportation, other public util	7.41	7.54	7.47	27.55	26.09	25.90	.00	.00	.00
Transportation,total	5.92	5.96	5.72	14.57	12.40	12.97	.00	.00	.00
Railroads and railway express	.10	.06	.01	12.95	10.77	11.15	.00	.00	.00
Local and interurban transit	.02	.01	.07	.55	.46	.76	.00	.00	.00
Street railways and bus lines	.02	.01	.07	.55	.46	.76	.00	.00	.00
Trucking and warehousing	5.15	5.16	4.88	.43	.47	.32	.00	.00	.00
Trucking services	1.69	1.84	1.44	.34	.38	.26	.00	.00	.00
Warehousing and storage	3.45	3.32	3.43	.09	.08	.06	.00	.00	.00
Water transportation	.36	.37	.35	.33	.31	.18	.00	.00	.00
Air transportation	.14	.15	.22	.08	.08	.11	.00	.00	.00
Pipelines	.00	.00	.00	.01	.01	.01	.00	.00	.00
Transportation services	.14	.18	.17	.19	.28	.42	.00	.00	.00
Communicatns,utils,sanitary serv	1.49	1.57	1.74	12.98	13.69	12.93	.00	.00	.00
Communications	.25	.31	.74	.14	.15	.17	.00	.00	.00
Telephone(wire and radio)	.23	.28	.69	.13	.14	.16	.00	.00	.00
Telegraph,misc communicatn serv	.02	.02	.04	.00	.00	.00	.00	.00	.00
Utilities and sanitary services	1.23	1.26	1.00	12.83	13.53	12.75	.00	.00	.00
Electric light and power	.49	.59	.24	1.12	1.38	1.25	.00	.00	.00
Electric-gas utilities	.37	.30	.18	.22	.22	.25	.00	.00	.00
Gas steam supply systems	.22	.21	.27	.30	.28	.27	.00	.00	.00
Water supply	.11	.12	.20	.92	.93	.92	.00	.00	.00
Sanitary services	.02	.03	.08	9.89	10.33	9.52	.00	.00	.00
Other utilities	.00	.00	.00	.36	.37	.52	.00	.00	.00
Wholesale and retail trade	53.25	55.23	57.94	10.81	12.63	12.75	.00	.00	.00
Wholesale trade	38.17	39.34	41.45	7.43	8.23	7.79	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Warehouse laborers, other			Other laborers			Farmers and farm workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Wholesale,exc misc whlsle trade	24.49	27.27	33.69	1.65	1.76	1.28	.00	.00	.00
Motor vehicles and equipment	2.91	3.50	5.28	.05	.06	.07	.00	.00	.00
Drugs,chemicals,allied product	2.82	2.90	3.50	.06	.06	.06	.00	.00	.00
Dry goods and apparel	.84	.84	1.31	.03	.03	.03	.00	.00	.00
Food and related products	7.10	7.34	7.76	.89	.83	.48	.00	.00	.00
Farm products-raw materials	.47	.66	.43	.24	.32	.14	.00	.00	.00
Electrical goods	3.23	3.42	4.58	.06	.07	.10	.00	.00	.00
Hardware and plumbing	2.84	3.17	3.81	.06	.07	.08	.00	.00	.00
Machinery equipment,supplies	4.24	5.41	6.99	.23	.30	.29	.00	.00	.00
Miscellaneous wholesale trade	13.68	12.06	7.75	5.78	6.46	6.50	.00	.00	.00
Metals and minerals, other	2.03	1.62	.99	.40	.40	.51	.00	.00	.00
Petroleum products	1.25	1.22	.93	.05	.05	.02	.00	.00	.00
Scrap and waste material	.11	.13	.06	3.36	3.88	3.30	.00	.00	.00
Alcoholic beverages	1.65	1.71	.93	.02	.03	.03	.00	.00	.00
Paper and paper products	1.85	1.42	1.12	.04	.04	.05	.00	.00	.00
Lumber,construction materials	1.90	1.62	1.15	.21	.22	.26	.00	.00	.00
Other wholesale trade	4.87	4.31	2.54	1.66	1.83	2.29	.00	.00	.00
Retail trade	15.07	15.89	16.48	3.38	4.40	4.96	.00	.00	.00
Building materials	1.37	1.58	1.66	.77	.86	.51	.00	.00	.00
Lumber,building material	1.05	1.27	1.26	.74	.83	.49	.00	.00	.00
Hardware and farm equipment	.32	.31	.39	.02	.02	.02	.00	.00	.00
General merchandise,total	5.10	4.87	5.04	.17	.20	.37	.00	.00	.00
Department stores,mail order	3.26	3.38	3.06	.09	.12	.25	.00	.00	.00
Limited price stores	.48	.41	.46	.01	.01	.02	.00	.00	.00
Vending machine operators	.13	.11	.07	.01	.01	.02	.00	.00	.00
Direct selling	.17	.15	.23	.01	.01	.01	.00	.00	.00
Miscellaneous merchadise store	1.04	.79	1.21	.03	.03	.06	.00	.00	.00
Food and dairy stores	3.56	3.33	1.91	.25	.32	.43	.00	.00	.00
Grocery stores.	3.40	3.15	1.80	.08	.11	.23	.00	.00	.00
Dairy products	.02	.02	.00	.09	.12	.10	.00	.00	.00
Retail bakeries	.03	.03	.01	.00	.00	.00	.00	.00	.00
Food stores,cther	.10	.11	.07	.06	.07	.09	.00	.00	.00
Auto dealers,gas stations	.61	.83	1.17	.23	.30	.38	.00	.00	.00
Motor vehicle dealers	.07	.07	.05	.12	.13	.13	.00	.00	.00
Tire,battery,accessory dealrs	.36	.46	.49	.03	.05	.08	.00	.00	.00
Gasoline service stations	.13	.22	.49	.02	.03	.03	.00	.00	.00
Miscellaneous vehicle dealers	.04	.07	.12	.04	.08	.12	.00	.00	.00
Apparel and accessory stores	.52	.66	1.10	.03	.04	.05	.00	.00	.00
Apparel,accessory,except shoes	.28	.38	.65	.01	.01	.02	.00	.00	.00
Shoe stores	.23	.28	.45	.02	.02	.02	.00	.00	.00
Furniture and appliance stores	1.96	2.21	2.75	.07	.07	.06	.00	.00	.00
Home furnishings	1.75	1.92	2.33	.05	.05	.03	.00	.00	.00
Household appliances,tv,radio	.21	.29	.42	.02	.02	.02	.00	.00	.00
Eating and drinking places	.18	.35	.58	.10	.21	.25	.00	.00	.00
Miscellaneous retail trade	1.73	2.02	2.25	1.73	2.38	2.88	.00	.00	.00
Drug stores	.50	.54	.88	.01	.01	.02	.00	.00	.00
Liquor stores	.15	.21	.32	.01	.01	.00	.00	.00	.00
Farm,garden supply stores	.40	.48	.30	.68	.96	1.19	.00	.00	.00
Jewelry stores	.02	.03	.01	.01	.01	.00	.00	.00	.00
Fuel and ice dealers	.05	.03	.02	.14	.10	.05	.00	.00	.00
Retail florists	.01	.02	.04	.52	.74	.85	.00	.00	.00
Misc retail trade stores	.57	.69	.64	.35	.52	.74	.00	.00	.00
Finance,insurance and real estate	.05	.04	.00	2.43	2.90	3.28	.00	.00	.00
Finance,total	.00	.00	.00	.02	.03	.07	.00	.00	.00
Banking	.00	.00	.00	.01	.02	.05	.00	.00	.00
Stock brokers,investment cos	.00	.00	.00	.01	.01	.01	.00	.00	.00
Insurance	.02	.01	.00	.02	.02	.04	.00	.00	.00
Real estate	.02	.02	.00	2.38	2.84	3.17	.00	.00	.00
Services, total	2.39	2.71	2.77	6.11	9.35	11.61	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Warehouse laborers, other			Other laborers			Farmers and farm workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Hotels and lodging place	.00	.00	.00	.23	.28	.44	.00	.00	.00
Hotels and motels	.00	.00	.00	.09	.13	.15	.00	.00	.00
Other lodging places	.00	.00	.00	.14	.15	.28	.00	.00	.00
Other personal services	.03	.02	.05	.48	.86	.62	.00	.00	.00
Laundering and cleaning	.03	.02	.05	.08	.05	.04	.00	.00	.00
Barber shops	.00	.00	.00	.00	.03	.00	.00	.00	.00
Misc personal services	.00	.00	.00	.39	.76	.57	.00	.00	.00
Miscellaneous business services	.64	.80	.58	1.62	2.29	3.85	.00	.00	.00
Advertising	.02	.02	.01	.01	.01	.00	.00	.00	.00
Business management services	.00	.00	.00	.00	.00	.01	.00	.00	.00
Commercial research, development	.04	.06	.09	.02	.03	.05	.00	.00	.00
Computer programing	.01	.02	.01	.01	.00	.00	.00	.00	.00
Detective and protective serv	.00	.00	.00	.02	.03	.05	.00	.00	.00
Employment, temporary help	.00	.00	.00	.08	.15	.34	.00	.00	.00
Services to buildings	.05	.07	.10	.12	.20	.62	.00	.00	.00
Other business services	.50	.62	.36	1.34	1.83	2.75	.00	.00	.00
Automobile services	.01	.01	.02	.13	.18	.25	.00	.00	.00
Automobile repair	.00	.00	.00	.04	.06	.06	.00	.00	.00
Automobile services, exc repair	.01	.01	.02	.09	.11	.19	.00	.00	.00
Other repair services	.01	.01	.01	1.51	2.44	2.43	.00	.00	.00
Electrical repair	.01	.01	.01	.01	.01	.02	.00	.00	.00
Other repair, exc electrical	.00	.00	.00	1.50	2.42	2.41	.00	.00	.00
Motion pictures and theaters	.03	.02	.09	.04	.03	.03	.00	.00	.00
Miscellaneous entertainment	.06	.14	.31	.75	1.40	1.35	.00	.00	.00
Bowling alleys, billiards	.00	.00	.00	.08	.10	.08	.00	.00	.00
Other entertainment	.06	.14	.31	.67	1.29	1.27	.00	.00	.00
Medical and other health service	.52	.63	.99	.16	.23	.42	.00	.00	.00
Hospitals	.48	.55	.94	.10	.14	.32	.00	.00	.00
Convalescent institutions	.00	.00	.00	.02	.03	.07	.00	.00	.00
Other health services	.04	.07	.05	.03	.05	.02	.00	.00	.00
Educational services	.74	.70	.35	.40	.57	.88	.00	.00	.00
Elementary and secondary school	.56	.55	.19	.14	.25	.37	.00	.00	.00
Colleges and universities	.17	.15	.15	.22	.27	.41	.00	.00	.00
Libraries	.00	.00	.00	.00	.01	.02	.00	.00	.00
Other educational services	.00	.00	.00	.02	.03	.07	.00	.00	.00
Museums, art galleries, zoos	.01	.01	.00	.00	.01	.02	.00	.00	.00
Nonprofit organizations	.25	.26	.30	.43	.56	.87	.00	.00	.00
Religious organizations	.03	.04	.10	.19	.26	.34	.00	.00	.00
Welfare services	.16	.14	.11	.13	.15	.31	.00	.00	.00
Residential welfare services	.00	.00	.01	.00	.01	.06	.00	.00	.00
Nonprofit membership organiztns	.05	.06	.07	.10	.12	.14	.00	.00	.00
Private households	.00	.00	.00	.22	.36	.29	.00	.00	.00
Other professional services	.06	.07	.02	.07	.09	.11	.00	.00	.00
Engineering and architectural	.01	.01	.00	.04	.06	.04	.00	.00	.00
Miscellaneous professional serv	.04	.05	.02	.02	.03	.06	.00	.00	.00
Government, total	11.45	11.30	6.48	1.61	1.77	2.44	.00	.00	.00
Federal public administration	10.95	10.66	5.41	.52	.41	.25	.00	.00	.00
Postal services	.16	.26	.21	.00	.00	.00	.00	.00	.00
Federal pub adm, exc post office	10.80	10.39	5.20	.52	.41	.25	.00	.00	.00
State public administration	.24	.28	.27	.21	.26	.28	.00	.00	.00
Local public administration	.25	.36	.79	.88	1.09	1.90	.00	.00	.00

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farmers and farm managers			Farmers (owners and tenants)			Farm managers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agricultural production	99.81	99.61	99.40	99.86	99.71	99.54	97.14	95.70	96.38
Services, except horticulture	.18	.38	.59	.13	.29	.45	2.85	4.29	3.61

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm labor- ers, farm supervisors			Farm labor supervisors			Farm laborers, wage workers		
	1970	1978	1990	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture,forestry,fisheries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Agricultural production	96.86	94.64	90.89	92.75	90.06	83.64	95.79	94.15	90.04
Services,except horticulture	3.14	5.36	9.10	7.24	9.93	16.35	4.20	5.85	9.95

Table 2. Percent distribution of occupational employment by industry, 1970, 1978 and projected 1990

	Farm laborers, unpaid fmly			Farm laborers, self-emplyd		
	1970	1978	1990	1970	1978	1990
Total all industries	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture, forestry, fisheries	100.00	100.00	100.00	100.00	100.00	100.00
Agriculture	100.00	100.00	100.00	100.00	100.00	100.00
Agricultural production	99.64	99.62	99.64	70.38	1.64	45.42
Services, except horticulture	.36	.37	.35	29.61	98.35	54.58

**Table 3. National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1990
Total nonagricultural employment .....		70,616	107,978
Mining .....	10-14	622	1,038
Metal mining .....	10	93.9	113.0
Iron ores .....	101	25.9	19.0
Copper ores .....	102	36.7	57.0
Coal mining .....	11-12	144.5	339.0
Bituminous coal and lignite mining .....	12	138.9	335.4
Oil and gas extraction .....	13	269.6	475.0
Crude petroleum and natural gas fields .....	131,2	144.1	190.0
Oil and gas field services .....	138	125.5	285.0
Nonmetallic minerals, except fuels .....	14	114.1	111.0
Crushed and broken stone .....	142	40.3	38.4
Sand and gravel .....	144	36.8	35.9
Contract construction .....	15-17	3,345	4,925
General building contractors .....	15	1,003.1	1,428.6
Heavy construction contractors .....	16	705.2	972.8
Highway and street construction .....	161	324.7	395.0
Heavy construction, nec. ....	162	380.5	577.8
Special trade contractors .....	17	1,636.5	2,523.6
Plumbing, heating, air conditioning .....	171	404.6	628.7
Painting, paper hanging, decorating .....	172	124.8	147.1
Electrical work .....	173	296.3	496.2
Masonry, stonework, and plastering .....	174	209.8	247.9
Roofing and sheet-metal work .....	176	113.7	164.2
Manufacturing .....	19-39	19,369	23,585.0
Durable goods .....	19,24,25,32-39	11,198	14,502.0
Ordnance and accessories .....	19	242.1	153.0
Ammunition, except for small arms .....	192	170.0	103.0
Complete guided missiles .....	1925	99.0	86.0
Ammunition, except for small arms, nec. ....	1929	71.0	17.0
Lumber and wood products .....	24	572.5	691.0
Logging camps and logging contractors .....	241	71.9	64.0
Sawmills and planing mills .....	242	213.8	175.0
Sawmills and planing mills, general .....	2421	181.3	141.7
Millwork, plywood, and related products .....	243	167.1	283.9
Millwork .....	2431	72.2	121.7
Veneer and plywood .....	2432	70.2	104.4
Wooden containers .....	244	33.2	14.0
Wooden boxes, shooks, and crates .....	2441,2	26.7	10.0
Miscellaneous wood products .....	2512	86.4	154.1
Furniture and fixtures .....	25	459.9	676.0
Household furniture .....	251	320.7	497.0
Wood household furniture .....	2511	161.5	248.1
Upholstered household furniture .....	2512	87.3	154.8
Mattresses and bedsprings .....	2515	36.8	43.5
Office furniture .....	252	37.7	56.6
Partitions and fixtures .....	254	51.1	69.8
Other furniture and fixtures .....	253,9	50.4	52.6
Stone, clay, and glass products .....	32	638.5	716.0
Flat glass .....	321	24.3	16.3
Glass and glassware, pressed or blown .....	322	132.2	155.8
Glass containers .....	3221	76.8	88.6
Pressed and blown glass, nec. ....	3229	55.4	67.2

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1990
Cement, hydraulic .....	324	33.3	19.2
Structural clay products .....	325	58.5	32.0
Brick and structural clay tile .....	3251	25.8	14.5
Pottery and related products .....	326	43.3	42.0
Concrete, gypsum, and plaster products .....	327	185.5	241.8
Other stone and nonmetallic mineral products .....	328,9	133.0	156.0
Abrasive products .....	3291	26.2	27.9
Primary metal industries .....	33	1,314.8	1,356.0
Blast furnace and basic steel products .....	331	629.4	553.0
Blast furnaces and steel mills .....	3312	549.3	474.4
Iron and steel foundries .....	332	228.0	259.9
Gray iron foundries .....	3321	139.6	173.8
Malleable iron foundries .....	3322	22.6	20.3
Steel foundries .....	3323	65.8	65.8
Nonferrous metals .....	333,4	89.5	103.1
Primary aluminum .....	3334	31.4	41.8
Nonferrous rolling and drawing .....	335	213.1	236.3
Copper rolling and drawing .....	3351	44.0	29.3
Aluminum rolling and drawing .....	3352	69.6	72.3
Nonferrous wire drawing and insulating .....	3357	77.7	110.7
Nonferrous foundries .....	336	83.0	108.6
Aluminum castings .....	3361	42.9	56.9
Other nonferrous castings .....	3362,9	40.1	51.7
Miscellaneous primary metal products .....	339	71.7	95.0
Iron and steel forgings .....	3391	47.0	57.1
Fabricated metal products .....	34	1,379.9	1,874.0
Metal cans .....	341	73.2	73.8
Cutlery, hand tools, and hardware .....	342	150.9	229.0
Cutlery and hand tools, including saws .....	3421,3,5	63.2	107.4
Hardware, nec. ....	3429	87.8	121.6
Plumbing and heating, except electric .....	343	81.9	77.0
Sanitary ware and plumbers' brass goods .....	3431,2	37.5	38.3
Heating equipment, except electric .....	3433	44.4	38.7
Fabricated structural metal products .....	344	426.5	693.0
Fabricated structural steel .....	3441	110.9	124.7
Metal doors, sash, and trim .....	3442	66.7	107.8
Fabricated plate work (boiler shops) .....	3443	117.8	195.7
Sheet-metal work .....	3444	81.3	150.8
Architectural and misc. metal work .....	3446,9	49.7	114.0
Screw machine products, bolts, etc. ....	345	104.7	114.0
Screw machine products .....	3451	46.4	54.4
Bolts, nuts, rivets, and washers .....	3452	58.3	59.6
Metal stampings .....	346	232.5	293.0
Metal services, nec. ....	347	84.6	127.7
Misc. fabricated wire products .....	348	66.8	65.9
Misc. fabricated metal products .....	349	158.8	200.6
Valves, pipe, and pipe fittings .....	3494,8	96.3	129.7
Machinery, except electrical .....	35	1,976.9	2,997.0
Engines and turbines .....	351	111.4	145.0
Steam engines and turbines .....	3511	39.9	44.4
Internal combustion engines, nec. ....	3519	71.5	100.6
Farm machinery .....	352	129.5	182.0
Construction and related machinery .....	353	296.0	472.0
Construction and mining machinery .....	3531,2	157.8	238.0
Oil field machinery .....	3533	45.9	96.0
Conveyors, hoists, cranes, monorails .....	3535,6	42.6	66.9
Industrial trucks and tractors .....	3537	33.4	53.9
Metalworking machinery .....	354	315.2	436.0
Machine tools, metal cutting types .....	3541	67.8	73.2
Special dies, tools, jigs & fixtures .....	3544	117.7	177.4
Machine tool accessories .....	3545	54.3	79.2
Misc. metalworking machinery .....	3542,8	75.4	106.2
Special industry machinery .....	355	197.8	230.0
Food products machinery .....	3551	43.0	53.6
Textile machinery .....	3552	38.6	39.8
Printing trades machinery .....	3555	32.2	36.3

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
General industrial machinery .....	356	283.2	391.0
Pumps and compressors .....	3561	76.8	108.0
Ball and roller bearings .....	3562	59.5	67.6
Blowers and fans .....	3564	32.9	53.5
Power transmission equipment .....	3566	51.9	60.7
Office and computing machines .....	357	282.0	524.0
Electronic computing equipment .....	3573	190.3	457.7
Service industry machines .....	358	147.4	261.0
Refrigeration machinery .....	3585	98.7	191.0
Misc. machinery, except electrical .....	359	214.5	356.0
Electrical equipment and supplies .....	36	1,922.9	2,524.0
Electrical test and distributing equipment .....	361	207.1	276.0
Electrical measuring instruments .....	3611	68.6	114.5
Transformers .....	3612	56.8	70.3
Switchgear and switchboard apparatus .....	3613	81.6	91.2
Electrical industrial apparatus .....	362	217.1	291.0
Motors and generators .....	3621	118.0	130.7
Industrial controls .....	3622	57.2	104.5
Household appliances .....	363	184.7	215.0
Household refrigerators and freezers .....	3632	59.7	43.7
Household laundry equipment .....	3633	26.1	29.4
Electric housewares and fans .....	3634	47.7	72.1
Electric lighting and wiring equipment .....	364	195.3	301.0
Electric lamps .....	3641	37.3	50.0
Lighting fixtures .....	3642	63.5	88.9
Wiring devices .....	3643,4	94.5	162.1
Radio and TV receiving equipment .....	365	134.7	137.0
Communication equipment .....	366	498.2	526.0
Telephone and telegraph apparatus .....	3661	162.4	219.0
Radio and TV communication equipment .....	3662	335.8	307.0
Electronic components and accessories .....	367	368.3	607.0
Electron tubes .....	3671,3	60.4	24.3
Other electronic components .....	3674,9	307.9	582.7
Misc. electrical equipment and supplies .....	369	117.5	171.0
Engine electrical equipment .....	3694	60.4	74.0
Transportation equipment .....	37	1,806.8	2,334.0
Motor vehicles and equipment .....	371	805.1	1,154.0
Motor vehicles .....	3711	339.1	506.9
Passenger car bodies .....	3712	48.2	27.0
Truck and bus bodies .....	3713	38.3	60.9
Motor vehicle parts and accessories .....	3714	354.4	516.4
Truck trailers .....	3715	25.1	42.8
Aircraft and parts .....	372	671.2	519.0
Aircraft .....	3721	370.4	266.2
Aircraft engines and engine parts .....	3722	180.9	186.6
Other aircraft parts and equipment .....	3723,9	119.8	66.2
Ship and boat building and repairing .....	373	169.8	256.0
Ship building and repairing .....	3731	132.4	195.3
Boat building and repairing .....	3732	37.4	60.7
Railroad equipment .....	374	51.1	65.0
Other transportation equipment .....	375,9	109.6	340.0
Instruments and related products .....	38	458.6	687.0
Engineering and scientific instruments .....	381	71.3	65.0
Mechanical measuring and control devices .....	382	108.8	133.0
Mechanical measuring devices .....	3821	69.4	88.0
Automatic temperature controls .....	3822	39.4	45.0
Optical and ophthalmic goods .....	383,5	52.6	91.0
Ophthalmic goods .....	385	35.0	60.0
Medical instruments and supplies .....	384	84.1	176.0
Photographic equipment and supplies .....	386	110.6	186.0
Watches, clocks, and watchcases .....	387	31.3	36.0
Miscellaneous manufacturing industries .....	39	425.7	494.0
Jewelry, silverware, and plated ware .....	391	50.7	66.7

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
Toys and sporting goods .....	394	117.0	162.5
Games, toys, dolls, and play vehicles .....	3941,3	66.8	71.1
Sporting and athletic goods, nec. ....	393,9	50.2	91.4
Pens, pencils, office and art supplies .....	395	33.7	40.6
Costume jewelry and notions .....	396	61.4	46.7
Other manufacturing industries .....	393,9	163.0	177.5
Musical instruments and parts .....	393	21.5	31.5
<b>Nondurable goods .....</b>	<b>20-23,26-31</b>	<b>8,171</b>	<b>9,083</b>
<b>Food and kindred products .....</b>	<b>20</b>	<b>1,781.7</b>	<b>1,754.0</b>
Meat products .....	201	343.7	360.0
Meat packing plants .....	2011	181.2	119.7
Sausages and other prepared meats .....	2013	60.3	83.2
Poultry dressing plants .....	2015	102.2	157.1
Dairy products .....	202	241.8	135.0
Ice cream and frozen desserts .....	2024	26.7	15.1
Fluid milk .....	2026	169.4	85.6
Canned, cured, and frozen foods .....	203	286.0	370.0
Canned, cured, and frozen sea foods .....	2031,6	43.5	55.9
Canned foods, except sea food .....	2032,3	140.6	142.3
Frozen fruits and vegetables .....	2037	66.4	116.6
Grain mill products .....	204	135.3	156.0
Flour and other grain mill products .....	2041	28.0	23.3
Prepared feeds for animals and fowl .....	2042	66.6	89.2
Bakery products .....	205	274.1	207.0
Bread, cake, and related products .....	2051	228.5	168.3
Cookies and crackers .....	2052	45.6	38.7
Sugar .....	206	34.4	34.0
Confectionery and related products .....	207	82.3	81.0
Confectionery products .....	2071	65.9	54.7
Beverages .....	208	237.4	238.0
Malt liquors .....	2082	59.0	32.3
Bottled and canned soft drinks .....	2086	131.8	148.5
Misc. foods and kindred products .....	209	146.6	173.0
<b>Tobacco manufactures .....</b>	<b>21</b>	<b>81.7</b>	<b>60.0</b>
Cigarettes .....	211	43.2	41.7
Cigars .....	212	17.8	7.6
<b>Textile mill products .....</b>	<b>22</b>	<b>977.6</b>	<b>1,063.0</b>
Weaving mills, cotton .....	221	219.3	81.0
Weaving mills, synthetics .....	222	98.2	148.1
Weaving and finishing mills, wool .....	223	37.7	22.3
Narrow fabric mills .....	224	29.9	29.0
Knitting mills .....	225	247.3	337.0
Women's hosiery, except socks .....	2251	69.7	22.3
Hosiery, nec. ....	2252	36.1	28.4
Knit outerwear mills .....	2253	67.9	106.6
Knit underwear mills .....	2254	30.0	45.7
Textile finishing, except wool .....	226	83.5	78.0
Floor covering mills .....	227	56.8	104.0
Yarn and thread mills .....	228	130.0	180.6
Miscellaneous textile goods .....	229	74.9	83.0
<b>Apparel and other textile products .....</b>	<b>23</b>	<b>1,372.2</b>	<b>1,557.6</b>
Men's and boys' suits and coats .....	231	119.4	100.6
Men's and boys' furnishings .....	232	376.7	500.1
Men's and boys' shirts and nightwear .....	2321	120.9	127.4
Men's and boys' separate trousers .....	2327	82.7	131.5
Men's and boys' work clothes .....	2328	82.8	127.1
Women's and misses' outerwear .....	233	429.6	464.3
Women's and misses' blouses and waists .....	2331	48.2	55.7
Women's and misses' dresses .....	2335	206.7	183.0
Women's and misses' suits and coats .....	2337	80.1	39.3
Women's and misses' outerwear, nec. ....	2339	94.7	186.3
Women's and children's undergarments .....	234	115.6	97.5
Women's and children's underwear .....	2341	81.1	82.6
Corsets and allied garments .....	2342	34.5	14.9

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
Hats, caps, and millinery .....	235	18.8	15.0
Children's outerwear .....	236	74.8	72.1
Children's dresses and blouses .....	2361	33.5	26.7
Fur goods and miscellaneous apparel .....	237,8	74.9	74.0
Misc. fabricated textile products .....	239	162.3	234.0
Housefurnishings .....	2391,2	65.3	106.4
Paper and allied products .....	26	706.5	800.0
Paper and pulp mills .....	261,2,6	2190	190.5
Paperboard mills .....	263	72.3	67.9
Misc. converted paper products .....	264	189.6	271.6
Bags, except textile bags .....	2643	43.5	58.8
Paperboard containers and boxes .....	265	225.6	270.0
Folding and set-up paperboard boxes .....	2651,2	67.6	53.9
Corrugated and solid fiber boxes .....	2653	107.0	152.4
Sanitary food containers .....	2654	31.6	35.4
Printing and publishing .....	27	1,106.8	1,285.0
Newspapers .....	271	371.9	477.0
Periodicals .....	272	76.4	73.0
Books .....	273	101.7	103.3
Commercial printing .....	275	356.1	421.8
Commercial printing, exc. lithographic .....	2751	215.0	208.8
Commercial printing, lithographic .....	2752	129.9	202.6
Blankbooks and bookbinding .....	278	56.8	65.1
Other publishing and printing .....	274,6,7,9	143.9	144.8
Chemicals and allied products .....	28	1,051.3	1,349.0
Industrial chemicals .....	281	323.4	398.0
Alkalies and chlorine .....	2812	22.2	14.7
Industrial organic chemicals, nec. ....	2818	133.6	165.9
Industrial inorganic chemicals, nec. ....	2819	99.1	121.1
Plastics materials and synthetics .....	282	216.8	294.0
Plastics materials and resins .....	2821	90.6	97.0
Synthetic fibers .....	2823,4	112.1	184.0
Drugs .....	283	147.2	224.0
Pharmaceutical preparations .....	2834	115.8	191.2
Soap, cleaners, and toilet goods .....	284	127.6	168.0
Soap and other detergents .....	2841	42.3	48.0
Toilet preparations .....	2844	53.3	79.8
Paints and allied products .....	285	70.0	93.0
Agricultural chemicals .....	287	56.1	58.0
Fertilizers, complete and mixing only .....	2871,2	38.8	31.4
Other chemical products .....	286,9	110.3	114.0
Explosives .....	2892	35.4	30.2
Petroleum and coal products .....	29	190.4	180.0
Petroleum refining .....	291	153.7	122.8
Other petroleum and coal products .....	295,9	36.7	57.2
Rubber and plastics products, nec. ....	30	580.4	817.0
Tires and inner tubes .....	301	117.8	151.0
Other rubber products .....	302,3,6	172.0	195.0
Rubber footwear .....	302	24.7	24.4
Miscellaneous plastics products .....	307	290.6	471.0
Leather and leather products .....	31	322.2	217.0
Leather tanning and finishing .....	311	26.4	14.0
Footwear, except rubber .....	314	215.1	130.6
Other leather products .....	312,3,5-7,9	80.7	72.4
Luggage .....	316	17.9	21.8
Handbags and personal leather goods .....	317	34.2	32.1
Transportation and public utilities .....	40-49	4,504	5,415
Railroad transportation .....	40	626.8	447.0

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**  
(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
Local and interurban passenger transit .....	41	278.9	288.0
Local and suburban transportation .....	411	76.7	76.1
Taxicabs .....	412	107.4	62.2
Intercity highway transportation .....	413	43.5	43.5
Trucking and warehousing .....	42	1,095.2	1,430.0
Trucking and trucking terminals .....	421,3	1,008.9	1,328.9
Public warehousing .....	422	86.3	101.1
Transportation by air .....	45	347.7	511.0
Air transportation .....	451,2	317.2	458.4
Pipe line transportation .....	46	17.8	17.0
Other transportation and services .....	44,47	322.2	445.0
Water transportation .....	44	215.3	192.0
Transportation services .....	47	107.0	253.0
Communication .....	48	1,120.5	1,438.0
Telephone communication .....	481	940.3	1,123.2
Telegraph communication .....	482	30.6	12.3
Radio and television broadcasting .....	483	131.4	252.0
Electric, gas, and sanitary services .....	49	694.9	839.0
Electric companies and systems .....	491	288.9	364.8
Gas companies and systems .....	492	163.9	165.1
Combination companies and systems .....	493	188.6	221.1
Water, steam, and sanitary systems .....	494-7	53.5	88.0
Wholesale and retail trade .....	50,52-59	14,922	24,772
Wholesale trade .....	50	3,824	5,290
Motor vehicles and automotive equipment .....	501	322.3	519.2
Drugs, chemicals, and allied products .....	502	234.5	295.0
Dry goods and apparel .....	503	152.6	188.4
Groceries and related products .....	504	550.2	689.3
Electrical goods .....	506	320.3	470.2
Hardware; plumbing and heating equipment .....	507	170.6	225.9
Machinery, equipment, and supplies .....	508	743.8	1,247.1
Miscellaneous wholesalers .....	509	1234.3	1,565.5
Retail trade .....	52-59	11,098	19,482
Retail general merchandise .....	53	2,301.3	4,057.5
Department stores .....	531	1,513.4	2,888.8
Mail order houses .....	532	132.5	219.0
Variety stores .....	533	314.0	330.7
Food stores .....	54	1,734.5	2,832.2
Grocery, meat, and vegetable stores .....	541-3	1,566.2	2,623.7
Apparel and accessory stores .....	56	727.8	1,097.2
Men's and boys' clothes and furnishings .....	561	131.0	208.1
Women's ready-to-wear stores .....	562	271.6	397.8
Family clothing stores .....	565	107.1	173.2
Shoe stores .....	566	144.5	232.4
Furniture and home furnishings stores .....	57	455.8	722.5
Furniture and home furnishings .....	571	288.1	453.8
Eating and drinking places .....	58	2,481.6	5,583.5
Other retail trade .....	52,55,59	3,396.8	5,188.7
Building materials and farm equipment .....	52	540.7	760.1

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**  
(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
Automotive dealers and service stations .....	55	1,611.0	2,245.9
Motor vehicle dealers .....	551,2	757.3	963.4
Other automotive and accessory dealers .....	553,9	234.3	547.1
Gasoline service stations .....	554	619.4	735.4
Miscellaneous retail stores .....	59	1,245.1	2,182.7
Drug stores and proprietary stores .....	591	454.5	672.3
Book and stationery stores .....	594	64.6	109.3
Farm and garden supply stores .....	596	107.2	179.6
Fuel and ice dealers .....	598	109.3	99.0
Finance, insurance, and real estate .....	60-67	3,690	6,320
Banking .....	60	1,046.4	2,054.0
Credit agencies other than banks .....	61	363.9	727.0
Savings and loan associations .....	612	107.2	301.4
Personal credit institutions .....	614	190.8	304.7
Security, commodity brokers and services .....	62	207.9	275.0
Insurance carriers .....	63	1,046.7	1,465.4
Life insurance .....	631	544.0	641.7
Accident and health insurance .....	632	93.4	190.1
Fire, marine, and casualty insurance .....	633	364.3	553.1
Insurance agents, brokers and services .....	64	274.6	478.6
Real estate .....	65	663.9	1,149.5
Subdividers and developers .....	655	93.0	236.8
Operative builders .....	656	44.3	97.2
Other finance, insurance, and real estate .....	66,67	86.0	160.5
Services .....	70-86,89,99,07-09	11,630	24,416
Hotels and other lodging places .....	70	761.9	1,640.0
Hotels, tourist courts, and motels .....	701	676.9	1,315.5
Personal services .....	72	992.3	860.1
Laundries and dry cleaning plants .....	721	508.2	211.4
Photographic studios .....	722	40.2	55.2
Miscellaneous business services .....	73	1,611.2	4,271.1
Advertising .....	731	123.0	139.0
Credit reporting and collection .....	732	78.2	140.6
Services to buildings .....	734	292.0	864.6
Miscellaneous repair services .....	76	181.3	312.7
Motion pictures .....	78	203.4	239.0
Motion picture filming and distributing .....	781	57.1	98.5
Motion picture theaters and services .....	782-3	146.3	140.5
Medical and other health services .....	80	3,052.4	8,844.0
Hospitals .....	806	1,869.4	4,200.0
Legal services .....	81	237.2	567.9
Educational services .....	82	1,136.2	1,666.0
Elementary and secondary schools .....	821	385.8	542.2
Colleges and universities .....	822	642.1	872.8
Miscellaneous services .....	89	669.6	1,519.2
Engineering and architectural services .....	891	303.8	666.2
Nonprofit research agencies .....	892	105.8	244.0

See notes at end of table.

**Table 3. Continued—National nonagricultural employment of wage and salary workers by industry, 1970 and projected 1990**  
(In thousands)

Industry	1967 Standard Industrial Classification Code	1970	1990
Government .....	91-93	12,535	17,507
Federal Government .....	91	2,705	2,976
Executive .....		2,668.7	2,921.1
Department of Defense .....		1,036.5	966.0
Post Office Department .....		725.8	668.0
Other agencies .....		906.4	1,287.1
Legislative .....		29.8	42.7
Judicial .....		6.8	12.2
State and local government .....	92,93	9,830	14,531
State government .....	92	2,672.0	4,050.2
State education .....	9282	1,104.6	1,423.5
Other State government .....	Other 92	1,567.4	2,626.7
Local government .....	93	7,157.7	10,480.8
Local education .....	9382	4,003.1	4,989.5
Other local government .....	Other 93	3,154.6	5,491.3

nec = not elsewhere classified.

NOTE: Detail may not add to totals due to rounding.

**Table 4. Total national employment by industry, 1970, 1978, and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1978	1990
Total all industries .....		78,627.7	94,372.6	114,000.3
Agriculture, forestry, and fisheries .....				
Agriculture .....		3,561.1	3,484.7	3,067.9
Agricultural production .....	01	3,463.4	3,334.8	2,934.0
Services, except horticulture .....	07 except 0713, 073	3,135.5	2,845.8	2,384.8
Horticultural services .....	073	170.5	241.9	303.8
Forestry .....	08	157.4	247.1	245.4
Fisheries .....	09	53.4	79.5	71.1
		44.3	70.4	62.8
Mining .....		634.0	884.8	1,059.2
Metal mining .....	10	93.7	94.6	113.1
Coal mining .....	11,12	144.8	212.7	339.8
Crude petroleum and natural gas .....	13	279.2	453.3	491.0
Nonmetallic mining and quarrying .....	14	116.3	124.2	115.5
Construction .....		4,673.3	5,907.9	6,897.8
General building contractors .....	15	1,138.0	1,466.4	1,717.9
General contractors exc building .....	16	1,401.9	1,552.3	1,925.3
Special trade contractors .....	17	2,133.4	2,889.2	3,254.6
Manufacturing .....		19,635.9	20,611.6	23,617.1
Durable goods .....		11,410.7	12,347.6	14,550.0
Ordnance .....	19	296.3	172.3	172.9
Lumber and wood products .....	24	620.5	685.4	739.9
Logging .....	241	110.8	131.2	104.3
Sawmill, planing and mill work .....	242,243	388.3	422.7	465.9
Miscellaneous wood products .....	244,9	121.4	131.5	169.7
Furniture and fixtures .....	25	464.3	522.1	674.4
Stone, clay, and glass products .....	32	644.1	697.6	710.4
Glass and glass products .....	321-3	185.2	202.2	221.6
Cement, concrete, plaster .....	324,7	221.8	245.1	260.1
Structural clay products .....	325	59.1	51.3	31.9
Pottery and related products .....	326	43.9	46.9	42.3
Miscellaneous nonmetallic stone .....	328,9	134.1	152.1	154.4
Primary metal industries .....		1303.4	1255.2	1345.5
Blast furnaces, steel works .....	3312, 3	556.0	480.6	478.5
Other primary steel .....	3315-7, 332,3391	367.7	366.6	427.1
Part 3399				
Primary aluminum .....	3334; pt.334; 3352; 3361; pt. 3392,9	156.4	179.3	181.2
Other primary nonferrous .....	3331-3,9; pt. 334; 3351,6,7; 3362,9; pt. 3392 and 9	223.2	228.7	258.7
Fabricated metal products .....		1,387.4	1,547.7	1,868.0
Cutlery and other hardware .....	342	151.6	180.0	227.6
Fabricated structural metal .....	344	431.4	502.3	692.8
Screw machine products .....	345	104.8	108.7	113.5
Metal stamping .....	346	232.3	244.9	291.0
Miscellaneous fabricated metal .....	341,3,7-9	467.2	511.8	543.2
Machinery except electrical .....		1,978.5	2,316.4	2,980.4
Engines and turbines .....	351	110.0	132.5	142.8
Farm machinery and equipment .....	352	128.6	149.6	179.7
Construction machines .....	353	293.3	370.8	466.7
Metalworking machinery .....	354	317.8	348.4	436.6
Office and accounting machines .....	357 exc. 3	90.9	72.1	65.9
Electronic computing equipment .....	357,3	187.9	268.0	450.8
Other machinery, except electrical .....	355,6,8,9	849.9	975.1	1,238.0
Electrical machinery .....		1,919.6	2,056.4	2,500.5
Household appliances .....	363	184.7	182.7	213.0
Radio, TV, communication equipment .....	365,6	630.3	598.5	657.2
Other electrical machinery .....	361,2,4,7	1,104.5	1,275.2	1,630.3

See note at end of table.

**Table 4. Continued—Total national employment by industry, 1970, 1978, and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1978	1990
Transportation equipment .....		1,907.1	2,066.4	2,371.5
Motor vehicles and equipment .....	371	804.6	981.6	1,145.2
Aircraft and parts .....	372	665.9	586.6	513.2
Ship, boat building and repair .....	373	275.6	282.8	314.3
Railroad equipment .....	374	50.6	62.2	63.9
Mobile dwellings .....	3791	85.2	110.8	269.0
Cycles, misc. transportation .....	375,3799	25.1	42.4	65.9
Professional, scientific instruments .....		453.9	564.5	683.2
Scientific instruments .....	381.2	177.3	196.3	196.0
Optical, health serv supplies .....	383,4,5	136.4	206.8	266.6
Photo equipment and supplies .....	386	108.9	131.1	184.3
Watches and clock devices .....	387	31.3	30.3	36.3
Miscellaneous manufacturing .....	39	435.5	463.8	503.2
Nondurable goods .....		8,225.2	8,264.0	9,067.1
Food and kindred products .....		1,784.2	1,707.7	1,735.9
Meat products .....	201	344.2	350.6	355.4
Dairy products .....	202	244.6	186.7	137.3
Canning and preserving .....	203	284.1	300.1	363.0
Grainmill products .....	204,0713	138.1	146.2	156.6
Bakery products .....	205	273.6	232.7	204.8
Confectionery products .....	207	82.7	77.5	80.2
Beverages .....	208	236.1	227.8	234.4
Miscellaneous food preparation .....	206,9	180.7	186.1	204.2
Tobacco manufacturing .....	21	81.7	67.3	57.8
Textile mill products .....		978.5	898.9	1,054.9
Knitting mills .....	225	247.3	235.7	333.9
Dyeing, finishing textiles .....	226	83.2	78.7	76.9
Floor coverings .....	227	57.1	61.4	103.4
Yarn and fabric mills .....	221-4,8	515.9	453.1	458.2
Miscellaneous textile mills .....	229	74.9	70.0	82.5
Apparel and textile products .....		1,392.3	1,342.3	1,557.0
Apparel and accessories .....	231-8	1,224.5	1,146.8	1,320.3
Miscellaneous fabricated textiles .....	239	167.8	195.5	236.7
Paper and allied products .....		707.4	696.2	790.4
Pulp, paper, paperboard mills .....	261-3,6	291.6	265.1	255.7
Paperboard containers, boxes .....	265	226.1	212.9	266.5
Miscellaneous paper and pulp .....	264	189.7	218.2	268.1
Printing and publishing .....		1,161.1	1,259.3	1,342.7
Newspaper publishing, printing .....	271	417.2	459.5	531.0
Other printing, exc. newspapers .....	272-9	743.9	799.8	811.7
Chemicals and allied products .....		1,031.3	1,078.1	1,333.2
Industrial chemicals .....	281	318.9	325.6	393.5
Plastics and synthetics .....	282 exc. 2823,4	101.7	96.2	108.9
Synthetic fibers .....	2823,4	108.6	116.9	180.8
Drugs and medicines .....	283	143.1	185.4	220.7
Soaps and cosmetics .....	284	124.8	134.5	166.3
Paints and varnishes .....	285	68.4	72.2	92.0
Agricultural chemicals .....	287	55.0	61.0	57.1
Miscellaneous chemicals .....	286,9	110.7	86.3	113.9
Petroleum and coal products .....		190.1	208.4	177.8
Petroleum refining .....	291	153.5	164.5	121.5
Misc petroleum, coal products .....	295,9	36.6	43.9	56.3
Rubber and miscellaneous plastics .....		577.8	747.8	802.7
Rubber .....	301-3,6	288.1	295.9	339.1
Miscellaneous plastics .....	307	289.7	451.9	463.7
Leather products .....		320.7	258.2	214.7
Leather tanning and finishing .....	311	26.1	22.5	13.7
Footwear except rubber .....	313,4	225.5	171.7	132.1
All other leather products .....	312,5-7,9	69.1	64.0	69.0
Transportation, other public utilities .....		5,025.8	5,749.8	6,332.1

See note at end of table.

**Table 4. Continued—Total national employment by industry, 1970, 1978, and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1978	1990
Transportation, total .....		2,867.7	3,287.3	3,524.6
Railroads and railway express .....	40	615.2	511.7	429.4
Local and interurban transit .....		385.5	465.4	540.3
Street railways and bus lines .....	411,3-5,7	289.8	345.4	419.3
Taxicab service .....	412	95.7	120.0	121.0
Trucking and warehousing .....		1,162.9	1,459.7	1,544.0
Trucking services .....	421,3	1,074.4	1,365.7	1,440.5
Warehousing and storage .....	422	88.5	94.0	103.5
Water transportation .....	44	236.2	243.7	212.1
Air transportation .....	45	344.0	418.1	528.3
Pipelines .....	46	16.9	19.1	16.0
Transportation services .....	47	106.9	169.6	254.6
Communications, utilities, sanitary services .....		2,158.1	2,462.6	2,807.5
Communications .....		1,081.7	1,203.3	1,384.9
Telephone (wire and radio) .....	481	904.6	962.4	1,079.6
Telegraph, misc communication services ..	482,9	47.5	63.4	61.1
Radio and TV broadcasting .....	483	129.6	177.5	244.2
Utilities and sanitary services .....		1,076.4	1,259.3	1,422.6
Electric light and power .....	491	327.0	439.7	417.7
Electric-gas utilities .....	493	196.0	205.0	233.0
Gas steam supply systems .....	492,6	166.1	166.3	167.0
Water supply .....	494	133.0	153.2	189.0
Sanitary services .....	495	247.5	288.0	405.6
Other utilities .....	497	6.7	7.1	10.2
Wholesale and retail trade .....		16,366.2	20,612.6	25,589.9
Wholesale trade .....		3,937.4	4,822.8	5,353.3
Wholesale, exc misc wholesale .....		2,644.1	3,335.0	3,738.3
Motor vehicles and equipment .....	501	332.5	428.5	522.2
Drugs, chemicals and allied products .....	502	233.3	269.1	291.7
Dry goods and apparel .....	503	157.0	167.5	192.3
Food and related products .....	504	581.6	669.0	718.2
Farm products—raw materials .....	505	104.8	155.9	100.4
Electrical goods .....	506	316.8	375.7	460.1
Hardware and plumbing .....	507	171.1	209.9	224.4
Machinery equipment, supplies .....	508	747.0	1,059.4	1,229.0
Miscellaneous wholesale trade .....		1,293.2	1,487.9	1,614.9
Metals and minerals, other .....	5091	134.4	140.9	163.6
Petroleum products .....	5092	200.3	233.0	238.4
Scrap and waste material .....	5093	101.0	134.2	116.8
Alcoholic beverages .....	5095	98.4	130.7	124.4
Paper and paper products .....	5096	133.0	130.8	162.5
Lumber, construction materials .....	5098	160.9	175.8	213.8
Other wholesale trade .....	5094,7,9	465.2	542.5	595.5
Retail trade .....		12,428.8	15,789.7	20,236.7
Building materials .....		595.3	717.0	811.3
Lumber, and building materials .....	521-4	363.2	475.3	486.5
Hardware and farm equipment .....	525	232.1	241.7	324.8
General merchandise, total .....		2,567.8	2,938.4	4,288.1
Department stores, mail order .....	531,2	1,562.9	1,932.4	2,988.4
Limited price stores .....	533	309.8	283.5	333.2
Vending machine operators .....	534	67.6	75.5	130.5
Direct selling .....	535	324.5	348.1	340.8
Miscellaneous merchandise stores .....	539	303.0	298.9	495.2
Food and dairy stores .....		1,959.8	2,348.3	2,951.2
Grocery stores .....	541	1,680.9	2,017.5	2,608.7
Dairy product stores .....	545	36.8	45.1	41.7
Retail bakeries .....	546	118.8	139.6	152.3
Food stores, other .....	542-4,9	123.3	146.1	148.5
Auto dealers, gas stations .....		1,807.4	1,987.1	2,288.4
Motor vehicle dealers .....	551,2	767.3	888.0	964.3
Tire, battery, accessory dealers .....	553	182.1	263.4	363.4
Gasoline service stations .....	554	781.7	713.1	770.6
Miscellaneous vehicle dealers .....	559	76.3	122.6	190.1

See note at end of table.

**Table 4. Continued—Total national employment by industry, 1970, 1978, and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1978	1990
Apparel and accessory stores.....		769.1	925.0	1,128.9
Apparel and accessory, except shoes.....	56 exc. 566	618.5	751.9	893.0
Shoe stores.....	566	150.6	173.1	235.9
Furniture and appliances.....		553.3	673.1	808.0
Home furnishings.....	571	344.1	403.0	503.0
Household appliances, TV, radio.....	572,3	209.2	270.1	304.9
Eating and drinking places.....	58	2,698.3	4,325.3	5,575.9
Miscellaneous retail trade.....		1,477.8	1,875.6	2,384.8
Drug stores.....	591	466.8	494.7	670.8
Liquor stores.....	592	125.7	167.7	207.3
Farm, garden supply stores.....	596	118.8	165.4	184.5
Jewelry stores.....	597	104.6	134.5	161.2
Fuel and ice dealers.....	598	116.0	109.1	103.5
Retail florists.....	5992	84.8	114.3	175.8
Misc retail trade stores, other.....	593-5,9 exc. 5992	461.1	689.9	881.7
Finance, insurance and real estate.....		3,820.6	5,026.6	6,496.2
Finance, total.....		1,613.9	2,145.4	3,056.2
Banking.....	60	990.8	1,333.0	1,937.9
Credit agencies.....	61	358.0	510.8	773.3
Stock brokers, investment companies.....	62,7	265.1	301.6	345.0
Insurance.....	63,4	1,350.9	1,607.8	1,962.3
Real estate.....	65,6	855.8	1,273.4	1,477.6
Services, total.....		20,651.4	27,074.5	34,987.8
Hotels and lodging places.....		992.1	1,299.4	1,878.7
Hotels and motels.....	701	697.6	942.0	1,327.5
Other lodging places.....	702-4	294.5	357.4	551.2
Other personal services.....		1,436.4	1,459.8	1,376.8
Laundry and cleaning services.....	721,7	595.9	441.5	310.4
Beauty shops.....	723	454.2	489.4	569.6
Barber shops.....	724	147.8	151.6	136.7
Shoe repair shops.....	725	27.5	33.2	24.0
Dressmaking shops.....	pt. 729	36.3	46.6	45.0
Miscellaneous personal services, other.....	722,6; pt. 729	174.7	297.5	291.1
Miscellaneous business services.....		1,636.3	2,665.2	4,174.1
Advertising.....	731	129.0	150.4	148.1
Business management services.....	pt. 7392	178.6	276.7	461.2
Commercial research, development.....	7391,7397	87.5	135.5	226.8
Computer programming.....	pt. 7392	112.2	192.1	325.0
Detective and protective services.....	7393	138.7	280.8	469.6
Employment, temporary help.....	736,7398	215.3	386.5	628.3
Services to buildings.....	734	300.7	459.9	845.5
Miscellaneous bus. services, other.....	732,3,5; 7394, 5,6,9	474.3	783.3	1,069.6
Automobile services.....		502.9	742.9	887.9
Automobile repair.....	753	333.8	526.1	587.9
Automobile services, exc repair.....	751,2,4	169.1	216.8	300.0
Other repair services.....		316.9	450.7	493.9
Electrical repair.....	762,7694	125.5	131.7	183.5
Other repair, exc electrical.....	763,4,9 ex. 7694	191.4	319.0	310.3
Motion pictures and theaters.....	78,792	242.2	206.7	306.5
Miscellaneous entertainment.....		426.6	777.7	858.3
Bowling alleys, billiards.....	793	92.4	114.9	91.6
Other misc entertainment.....	791,4	334.2	662.8	766.7
Medical and other health services.....		4,630.9	6,698.4	10,954.7
Offices of physicians.....	801,3	564.9	800.7	1,211.5
Offices of dentists.....	802	254.0	390.3	552.8
Offices of chiropractors.....	804	22.3	44.4	31.2
Hospitals.....	806	2,960.4	3,900.3	5,859.8
Convalescent institutions.....	8092	507.3	791.5	3,228.4
Health practitioners, other.....	pt. 8099	47.6	83.6	137.9
Health services, other.....	807, pt. 8099	274.4	687.5	933.2
Legal services.....	81	389.7	586.2	775.0

See note at end of table.

**Table 4. Continued—Total national employment by industry, 1970, 1978, and projected 1990**

(In thousands)

Industry	1967 Standard Industrial Classification code	1970	1978	1990
Educational services .....		6,015.9	7,519.6	8,037.4
Elementary and secondary school .....	821	4,108.3	5,025.5	5,135.4
Colleges and universities .....	822	1,575.5	2,020.5	2,256.9
Libraries .....	823	81.6	103.8	151.8
Educational services, other .....	824,9	250.5	369.7	493.3
Museums, art galleries, zoos .....	84	28.8	51.6	92.5
Nonprofit organizations .....		1,428.3	1,925.0	2,467.5
Religious organizations .....	866	568.9	724.1	788.2
Welfare services .....	pt. 867	429.2	644.8	934.9
Residential welfare services .....	pt. 867	48.3	64.1	139.4
Nonprofit membership organizations .....	861-5,9	382.0	492.0	605.0
Private households .....	88	1,780.5	1,396.0	1,050.0
Other professional, related services .....		823.9	1,295.3	1,634.5
Engineering and architectural services .....	891	318.0	491.4	627.0
Accounting, auditing services .....	893	299.0	443.2	575.0
Miscellaneous professional services .....	892,9	206.9	360.7	432.5
Government, total .....		4,259.4	5,020.0	5,952.3
Federal public administration .....		2,262.8	2,272.0	2,385.4
Postal services .....	pt. 9190	712.8	680.0	661.3
Federal public administration, exc Post Office .....	pt. 9190, 9490	1,550.0	1,592.0	1,724.1
State public administration .....	9290	615.8	903.0	1,132.7
Local public administration .....	9390	1,380.8	1,845.0	2,434.2

Note: Detail may not add to totals due to rounding.

**Table 5. National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Total all occupations .....	94,372.6	114,000.3	20.8	5,177.4	1,635.6	3,541.8
Professional and technical .....	14,244.6	16,854.2	18.3	675.8	217.5	458.3
Engineers, technical .....	1,157.1	1,418.0	22.5	47.2	21.7	25.5
Aeronautical .....	58.0	70.0	20.7	1.9	1.0	.9
Chemical .....	53.0	63.6	20.0	1.8	.9	.9
Civil .....	155.0	190.3	22.8	7.8	2.9	4.9
Electrical .....	300.0	364.4	21.5	10.5	5.4	5.1
Industrial .....	185.0	233.1	26.0	8.0	4.0	4.0
Mechanical .....	195.0	232.2	19.1	7.5	3.1	4.4
Metallurgical .....	16.5	21.3	29.1	.8	.4	.4
Mining .....	6.0	9.5	58.3	.6	.3	.3
Petroleum .....	17.0	23.4	37.6	.8	.5	.3
Sales .....	34.0	32.0	-5.9	.6	-.2	.8
Other engineers .....	137.6	178.2	29.5	7.0	3.4	3.6
Life and physical scientists .....	280.6	349.8	24.7	12.4	5.8	6.6
Agricultural .....	19.7	26.0	32.0	1.2	.5	.7
Atmospheric and space .....	12.5	14.0	12.0	.4	.1	.3
Biological .....	62.2	79.0	27.0	2.9	1.4	1.5
Chemists .....	122.5	151.3	23.5	5.2	2.4	2.8
Geologists .....	31.0	43.8	41.3	1.9	1.1	.8
Marine .....	5.2	6.3	21.2	.2	.1	.1
Physicists and astronomers .....	24.9	26.4	6.0	.4	.1	.3
Other life and physical scientists ..	2.6	3.0	15.4	.1	.0	.1
Mathematical specialists .....	42.4	54.3	28.1	2.3	1.0	1.3
Actuaries .....	9.0	11.9	32.2	.5	.2	.3
Mathematicians .....	10.4	11.3	8.7	.3	.1	.2
Statisticians .....	23.0	31.1	35.2	1.5	.7	.8
Engineering and science technicians	967.1	1,241.0	28.3	40.4	22.8	17.6
Agricultural, biological, exc health	44.7	55.5	24.2	2.2	.9	1.3
Chemical technicians .....	88.2	110.6	25.4	3.5	1.9	1.6
Drafters .....	296.0	393.0	32.8	13.4	8.1	5.3
Electrical and electronic .....	196.1	253.4	29.2	7.4	4.8	2.6
Industrial engineering .....	27.6	35.7	29.3	1.3	.7	.6
Mathematical technicians .....	1.2	1.9	58.3	.1	.1	.0
Mechanical engineering .....	15.1	19.9	31.8	.7	.4	.3
Surveyors .....	73.8	87.0	17.9	2.6	1.1	1.5
Other engineering and science technicians .....	224.4	284.0	26.6	9.4	5.0	4.4
Medical workers, exc technicians ...	1,915.1	2,688.5	40.4	140.5	64.4	76.1
Chiropractors .....	18.0	21.1	17.2	1.5	.3	1.2
Dentists .....	119.3	155.0	29.9	5.5	3.0	2.5
Dietitians .....	35.0	50.0	42.9	3.1	1.3	1.8
Optometrists .....	20.9	26.3	25.8	1.6	.5	1.1
Pharmacists .....	135.0	185.0	37.0	12.6	4.2	8.4
Physicians and osteopaths .....	375.6	504.0	34.2	16.8	10.7	6.1
Podiatrists .....	8.1	12.4	53.1	.9	.4	.5
Registered nurses .....	1,001.7	1,455.0	45.3	85.0	37.8	47.2
Therapists .....	164.4	230.0	39.9	11.4	5.5	5.9
Veterinarians .....	29.6	39.8	34.5	1.8	.9	.9
Other medical and health workers	7.6	9.8	28.9	.7	.2	.5
Health technologists, technicians ...	510.2	670.8	31.5	30.6	13.4	17.2
Clinical lab technologists, tech ...	217.9	265.0	21.6	10.6	3.9	6.7
Dental hygienists .....	35.0	65.0	85.7	4.3	2.5	1.8
Health record technologists, technicians .....	15.6	20.0	28.2	1.2	.4	.8
Radiologic technologists, technicians .....	103.8	140.0	34.9	6.6	3.0	3.6
Therapy assistants .....	7.3	10.0	37.0	.5	.2	.3
Other health technicians .....	130.6	170.8	30.8	7.4	3.4	4.0

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Technicians, except health .....	217.1	283.3	30.5	10.1	5.5	4.6
Airplane pilots .....	71.6	99.3	38.7	3.2	2.3	.9
Air traffic controllers .....	27.2	33.2	22.1	.9	.5	.4
Embalmers .....	5.0	5.0	0.0	.2	.0	.2
Flight engineers .....	5.2	6.7	28.8	.2	.1	.1
Radio operators .....	44.3	56.6	27.8	2.7	1.0	1.7
Tool programmers, numerical .....	3.8	5.8	52.6	.3	.2	.1
Other technicians except health ..	60.0	76.7	27.8	2.8	1.4	1.4
Computer specialists .....	435.8	570.0	30.8	16.6	11.2	5.4
Computer programmers .....	247.0	320.0	29.6	9.2	6.1	3.1
Computer systems analysts .....	157.7	217.0	37.6	6.8	4.9	1.9
Other computer specialists .....	31.1	33.0	6.1	.5	.2	.3
Social scientists .....	264.3	359.6	36.1	14.8	7.9	6.9
Economists .....	122.5	170.0	38.8	7.3	4.0	3.3
Political scientists .....	2.9	4.8	65.5	.3	.2	.1
Psychologists .....	110.0	148.0	34.5	6.0	3.2	2.8
Sociologists .....	3.9	6.2	59.0	.3	.2	.1
Urban and regional planners .....	17.0	22.0	29.4	.7	.4	.3
Other social scientists .....	8.0	8.6	7.5	.4	.1	.3
Teachers .....	3,690.0	3,572.9	-3.2	111.9	-9.8	121.7
Adult education .....	84.1	13.0	-86.1	3.6	.9	2.7
College and university .....	583.2	500.0	-14.3	6.7	-6.9	13.6
Elementary school .....	1,355.3	1,580.4	16.6	76.3	18.8	57.5
Preschool and kindergarten .....	237.6	282.0	18.7	12.6	3.7	8.9
Secondary school .....	1,197.4	880.0	-26.5	1.2	-26.5	27.7
Other teachers .....	232.4	235.4	1.3	11.5	.3	11.2
Writers, artists, entertainers .....	1,246.5	1,457.2	16.9	58.1	17.6	40.5
Actors .....	13.4	18.0	34.3	.8	.4	.4
Athletes and kindred workers .....	106.6	115.2	8.1	3.5	.7	2.8
Authors .....	43.4	50.0	15.2	2.3	.6	1.7
Dancers .....	8.0	11.0	37.5	.6	.3	.3
Designers .....	167.1	184.0	10.1	5.8	1.4	4.4
Editors and reporters .....	190.9	240.0	25.7	11.6	4.1	7.5
Musicians and composers .....	154.6	208.0	34.5	10.1	4.5	5.6
Painters and sculptors .....	193.0	205.5	6.5	7.2	1.0	6.2
Photographers .....	93.0	107.0	15.1	3.9	1.2	2.7
Public relations specialists .....	131.0	163.0	24.4	7.6	2.7	4.9
Radio and TV announcers .....	27.0	33.5	24.1	.8	.5	.3
Other writers, artists, entertainers ..	118.5	122.0	3.0	3.8	.3	3.5
Other professional and technical .....	3,518.4	4,188.9	19.1	190.9	55.9	135.0
Accountants .....	1,011.8	1,265.0	25.0	58.7	21.1	37.6
Architects .....	71.6	114.0	59.2	6.5	3.5	3.0
Archivists and curators .....	10.4	12.0	15.4	.6	.1	.5
Clergy .....	262.0	276.0	5.3	14.1	1.2	12.9
Religious workers, except clergy ..	60.0	75.0	25.0	5.1	1.3	3.8
Farm management advisors .....	9.3	11.0	18.3	.3	.1	.2
Foresters and conservationists .....	60.2	70.0	16.3	2.5	.8	1.7
Home management advisors .....	5.2	5.4	3.8	.2	.0	.2
Judges .....	18.4	20.0	8.7	2.1	.1	2.0
Lawyers .....	487.0	600.0	23.2	35.8	9.4	26.4
Librarians .....	147.4	160.0	8.5	7.7	1.1	6.6
Operations and systems research ..	121.2	139.0	14.7	3.5	1.5	2.0
Personnel, labor relations workers ..	420.3	473.0	12.5	15.8	4.4	11.4
Other research workers .....	126.6	135.0	6.6	3.4	.7	2.7
Recreation workers .....	130.1	164.4	26.4	7.0	2.9	4.1
Social workers .....	399.5	475.0	18.9	20.9	6.3	14.6
Vocation, education counselors ...	177.5	194.0	9.3	6.6	1.4	5.2
Managers, officials, proprietors .....	10,105.0	12,203.0	20.8	594.7	174.8	419.9

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Buyers, sales, loan managers .....	1,657.3	2,373.0	43.2	118.0	59.6	58.4
Bank, financial managers .....	548.4	831.0	51.5	45.0	23.6	21.4
Credit managers .....	49.0	56.0	14.3	2.2	.6	1.6
Buyers, shippers, farm products .....	25.0	25.0	.0	1.3	.0	1.3
Buyers, wholesale, retail trade .....	175.6	210.0	19.6	10.7	2.9	7.8
Purchasing agents, buyers, other .....	185.0	267.0	44.3	13.4	6.8	6.6
Sales managers, retail trade .....	347.4	535.0	54.0	26.7	15.6	11.1
Sales managers, exc retail trade .....	326.9	449.0	37.4	18.9	10.2	8.7
Administrators, public inspectors .....	1,014.1	1,203.9	18.7	61.1	15.8	45.3
Assess, control, local pub admin .....	37.9	40.0	5.5	3.2	.2	3.0
Construction inspectors, public .....	20.0	30.1	50.5	2.2	.8	1.4
Health administrators .....	184.0	282.8	53.7	18.1	8.2	9.9
Inspectors, exc construct, public .....	98.0	122.0	24.5	5.8	2.0	3.8
Officials, administrators, public .....	312.5	344.0	10.1	16.7	2.6	14.1
Postmasters, mail supervisors .....	30.4	40.0	31.6	2.7	.8	1.9
School administrators, college .....	56.3	60.0	6.6	2.2	.3	1.9
School admin, elem, secondary .....	275.0	285.0	3.6	10.0	.8	9.2
Other managers, officials, proprietors ..	7,433.6	8,626.1	16.0	415.7	99.4	316.3
Funeral directors .....	40.0	40.0	.0	1.9	.0	1.9
Mgrs, superintendents, building .....	155.3	214.0	37.8	19.0	4.9	14.1
Office managers, other .....	381.1	521.0	36.7	26.8	11.7	15.1
Officers, pilots, pursers, ship .....	33.2	34.5	3.9	1.1	.1	1.0
Officials of lodges, unions .....	80.7	83.0	2.9	3.7	.2	3.5
Railroad conductors .....	36.4	38.6	6.0	1.7	.2	1.5
Restaurant, cafe, bar, managers .....	610.3	673.0	10.3	29.1	5.2	23.9
Other managers, administrators .....	6,096.7	7,022.0	15.2	332.3	77.1	255.2
Sales workers .....	5,951.1	7,598.0	27.7	416.7	137.2	279.5
Advertising agents, sales workers .....	97.6	139.0	42.4	7.5	3.5	4.0
Auctioneers .....	7.0	7.4	5.7	.4	.0	.4
Demonstrators .....	60.6	69.0	13.9	2.8	.7	2.1
Hucksters and peddlers .....	203.0	208.4	2.7	9.0	.4	8.6
Insurance agents and brokers .....	568.0	681.5	20.0	30.0	9.5	20.5
Newspaper carriers and vendors .....	78.7	85.0	8.0	2.4	.5	1.9
Real estate agents, brokers .....	555.0	670.0	20.7	47.7	9.6	38.1
Stock and bond sales agents .....	109.0	120.0	10.1	5.5	.9	4.6
Sales and sales workers, other .....	4,272.2	5,617.7	31.5	311.4	112.1	199.3
Clerical workers .....	16,903.8	21,711.1	28.4	1,070.4	400.6	669.8
Stenographers, typists, secretaries .....	4,727.9	6,602.7	39.7	366.0	156.2	209.8
Legal secretaries .....	162.0	232.5	43.5	13.6	5.9	7.7
Medical secretaries .....	83.0	180.3	117.2	12.9	8.1	4.8
Other secretaries .....	3,344.9	4,875.9	45.8	279.7	127.6	152.1
Stenographers .....	94.0	68.0	-27.7	1.0	-2.2	3.2
Typists .....	1,044.0	1,246.0	19.3	58.8	16.8	42.0
Office machine operators .....	826.0	866.9	5.0	22.4	3.4	19.0
Bookkeeping and billing .....	45.0	70.6	56.9	4.0	2.1	1.9
Calculating .....	28.0	34.8	24.3	1.9	.6	1.3
Computer and peripheral equipment .....	393.0	465.0	18.3	11.6	6.0	5.6
Duplicating .....	20.0	26.5	32.5	1.3	.5	.8
Keypunch .....	273.0	200.0	-26.7	1.0	-6.1	7.1
Tabulating .....	3.0	1.8	-40.0	.0	-1.1	.1
Other office machine operators .....	64.0	68.2	6.6	2.7	.4	2.3
Other clerical workers .....	11,349.9	14,241.5	25.5	682.0	241.0	441.0
Bank tellers .....	449.0	510.0	13.6	19.9	5.1	14.8
Billing clerks .....	160.1	256.0	59.9	15.4	8.0	7.4
Bookkeepers .....	1,830.0	2,045.0	11.7	96.0	17.9	78.1
Cashiers .....	1,403.0	2,100.0	49.7	118.9	58.1	60.8
Clerical assistants, soc welfare .....	38.0	42.5	11.8	2.0	.4	1.6
Clerical supervisors, other .....	256.4	322.0	25.6	14.3	5.5	8.8
Collectors, bill and account .....	78.0	95.0	21.8	4.6	1.4	3.2

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Counter clerks, exc food .....	375.3	490.0	30.6	27.8	9.6	18.2
Dispatchers, starters, vehicle .....	80.0	97.0	21.3	4.0	1.4	2.6
Enumerators and interviewers .....	70.1	65.0	-7.3	1.9	-.4	2.3
Estimators, investigators, other .....	466.7	541.0	15.9	22.8	6.2	16.6
Expeditors, production controllers ..	226.9	301.0	32.7	12.3	6.2	6.1
File clerks .....	273.0	335.0	22.7	16.6	5.2	11.4
Insurance adjusters, examiners .....	169.0	237.4	40.5	10.4	5.7	4.7
Library attendants, assistants .....	172.0	195.0	13.4	8.6	1.9	6.7
Mail carriers, post office .....	245.0	260.0	6.1	6.7	1.2	5.5
Mail handlers, exc post office .....	151.9	187.0	23.1	9.3	2.9	6.4
Messengers and office helpers .....	66.0	64.0	-3.0	3.9	-.2	4.1
Meter readers, utilities .....	39.6	43.0	8.6	1.1	.3	.8
Payroll, timekeeping clerks .....	224.5	253.0	12.7	10.9	2.4	8.5
Postal clerks .....	260.0	210.0	-19.2	2.1	-4.2	6.3
Proofreaders .....	32.4	44.0	35.8	2.9	1.0	1.9
Real estate appraisers .....	34.6	44.0	27.2	2.9	.8	2.1
Receptionists .....	588.0	752.0	27.9	40.7	13.7	27.0
Shipping and receiving clerks .....	461.0	567.0	23.0	22.1	8.8	13.3
Statistical clerks .....	377.0	474.9	26.0	23.5	8.2	15.3
Stock clerks and store keepers .....	507.0	600.0	18.3	23.0	7.8	15.2
Teachers' aides, exc monitors .....	342.0	519.0	51.8	25.5	14.8	10.7
Telegraph messengers .....	2.5	.7	-72.0	-.2	-.2	.0
Telegraph operators .....	10.8	.6	-94.4	-.1	-.4	.3
Telephone operators .....	311.0	290.0	-6.8	10.0	-1.7	11.7
Ticket, station, express agents .....	107.7	119.0	10.5	3.8	.9	2.9
Weighers .....	49.0	51.0	4.1	1.9	.2	1.7
Misc clerical workers .....	1,492.5	2,124.9	42.4	116.7	52.7	64.0
<b>Crafts and kindred workers .....</b>	<b>12,386.3</b>	<b>14,867.5</b>	<b>20.0</b>	<b>575.3</b>	<b>206.8</b>	<b>368.5</b>
<b>Construction craft workers .....</b>	<b>3,759.1</b>	<b>4,481.0</b>	<b>19.2</b>	<b>182.3</b>	<b>60.2</b>	<b>122.1</b>
Carpenters and apprentices .....	1,253.0	1,390.0	10.9	57.9	11.4	46.5
Brick, stonemasons, apprentices ..	204.0	220.0	7.8	6.1	1.3	4.8
Bulldozer operators .....	121.0	190.0	57.0	9.3	5.8	3.5
Cement and concrete finishers .....	82.0	110.0	34.1	4.4	2.3	2.1
Electricians and apprentices .....	590.0	735.0	24.6	27.9	12.1	15.8
Excavating, grading mach operators	304.0	411.0	35.2	17.3	8.9	8.4
Floor layers, exc tile setters .....	20.0	20.0	.0	.5	.0	.5
Painters and apprentices .....	484.0	551.0	13.8	25.7	5.6	20.1
Paperhangers .....	20.0	22.0	10.0	1.5	.2	1.3
Plasterers and apprentices .....	28.0	30.0	7.1	1.2	.2	1.0
Plumbers, pipefitters, apprentices ...	428.0	513.0	19.9	20.4	7.1	13.3
Roofers and slaters .....	114.0	140.0	22.8	4.5	2.2	2.3
Structural metal craft workers .....	78.0	104.0	33.3	4.1	2.2	1.9
Tilesetters .....	33.0	45.0	36.4	1.8	1.0	.8
<b>Blue collar worker supervisors .....</b>	<b>1,671.0</b>	<b>1,925.0</b>	<b>15.2</b>	<b>69.0</b>	<b>21.2</b>	<b>47.8</b>
<b>Metalworking craft workers, exc mech</b>	<b>1,200.3</b>	<b>1,462.1</b>	<b>21.8</b>	<b>56.4</b>	<b>21.8</b>	<b>34.6</b>
Blacksmiths .....	11.0	7.0	-36.4	.3	-.3	.6
Boilermakers .....	37.0	56.0	51.4	3.1	1.6	1.5
Heat treaters, annealers .....	22.6	20.0	-11.5	.4	-.2	.6
Forge and hammer operators .....	19.3	22.0	14.0	.7	.2	.5
Job and die setters, metal .....	98.0	123.0	25.5	4.5	2.1	2.4
Machinists and apprentices .....	484.0	584.0	20.7	22.7	8.3	14.4
Millwrights .....	95.0	118.0	24.2	4.7	1.9	2.8
Molders, metal, and apprentices .....	54.0	62.0	14.8	1.9	.7	1.2
Pattern and moldmakers .....	34.0	40.5	19.1	1.7	.5	1.2
Rollers and finishers, metal .....	22.4	24.6	9.8	.8	.2	.6
Sheetmetal workers, apprentices .....	153.0	195.0	27.5	7.2	3.5	3.7
Tool and diemakers, apprentices .....	170.0	210.0	23.5	8.4	3.3	5.1
<b>Mechanics, repairers, installers .....</b>	<b>3,330.5</b>	<b>4,318.5</b>	<b>29.7</b>	<b>169.9</b>	<b>82.3</b>	<b>87.6</b>
Air cond, heating, refrig mech .....	210.0	245.0	16.7	8.2	2.9	5.3
Aircraft mechanics .....	132.0	145.3	10.1	3.5	1.1	2.4
Auto accessories installers .....	7.6	6.5	-14.5	.0	-.1	.1
Auto body repairers .....	185.0	235.0	27.0	7.7	4.2	3.5

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-1990	Average annual openings 1978-90		
				Total	Employment change	Replacement needs
Auto mechanics and apprentices . . . . .	1,025.0	1,265.0	23.4	45.1	20.0	25.1
Data processing mach repairers . . . . .	63.0	121.0	92.1	5.4	4.8	.6
Farm implement mechanics . . . . .	62.0	77.0	24.2	3.5	1.3	2.2
Heavy equip mech, incl diesel . . . . .	950.0	1,400.0	47.4	66.9	37.5	29.4
Household appliance mechanics . . . . .	145.0	180.0	24.1	6.9	2.9	4.0
Loom fixers . . . . .	14.8	14.1	-4.7	.3	-1	.4
Office machine repairers . . . . .	63.0	98.3	56.0	4.1	2.9	1.2
Radio, television repairers . . . . .	131.0	166.0	26.7	6.1	2.9	3.2
Railroad, car shop repairers . . . . .	47.4	45.3	-4.4	1.4	-2	1.6
Other mechanics and apprentices . . . . .	294.6	320.0	8.6	10.7	2.1	8.6
Printing trade crafts workers . . . . .	425.3	436.0	2.5	13.0	.9	12.1
Bookbinders . . . . .	27.0	32.9	21.9	1.6	.5	1.1
Compositors and typesetters . . . . .	181.0	157.8	-12.8	3.9	-1.9	5.8
Electrotypers and typesetters . . . . .	2.0	.9	-55.0	.0	-1	.1
Engravers exc photoengravers . . . . .	12.3	10.0	-18.7	.2	-2	.4
Photoengravers, lithographers . . . . .	36.0	52.5	45.8	2.5	1.4	1.1
Press, plate printers, apprentices . . . . .	167.0	181.9	8.9	5.0	1.2	3.8
Transport, public util craft workers . . . . .	559.4	573.8	2.6	9.5	1.2	8.3
Elec pwr line installers, repairers . . . . .	123.3	128.0	3.8	2.0	.4	1.6
Locomotive engineers . . . . .	49.3	54.1	9.7	2.8	.4	2.4
Locomotive engineers' helpers . . . . .	10.0	4.7	-53.0	-.2	-.4	.2
Power station operators . . . . .	20.8	17.0	-18.3	.2	-.3	.5
Telephone installers, repairers . . . . .	297.0	310.0	4.4	4.2	1.1	3.1
Telephone line installers, splicers . . . . .	59.0	60.0	1.7	.6	.1	.5
Other crafts, kindred workers . . . . .	1,440.6	1,671.2	16.0	75.2	19.2	56.0
Bakers . . . . .	131.3	122.0	-7.1	4.0	-.8	4.8
Cabinetmakers . . . . .	86.9	93.0	7.0	4.3	.5	3.8
Carpet installers . . . . .	68.0	90.0	32.4	2.8	1.8	1.0
Crane, derrick, hoist operators . . . . .	156.0	219.0	40.4	9.6	5.2	4.4
Decorators, window dressers . . . . .	125.0	169.0	35.2	9.3	3.7	5.6
Dental laboratory technicians . . . . .	45.0	70.0	55.6	3.8	2.1	1.7
Furniture and wood finishers . . . . .	26.4	23.7	-10.2	.9	-.2	1.1
Furriers . . . . .	2.6	2.2	-15.4	.2	-.0	.2
Glaziers . . . . .	36.0	50.0	38.9	2.1	1.2	.9
Inspectors, log and lumber . . . . .	18.7	21.8	16.6	1.0	.3	.7
Inspectors, other . . . . .	152.6	160.0	4.8	6.1	.6	5.5
Jewelers and watchmakers . . . . .	51.0	66.0	29.4	4.6	1.3	3.3
Millers, grain, flour, feed . . . . .	10.1	13.0	28.7	.6	.2	.4
Motion picture projectionists . . . . .	11.0	10.5	-4.5	.8	-.0	.8
Opticians, lens grinder, polisher . . . . .	44.0	56.5	28.4	2.5	1.0	1.5
Piano, organ tuners, repairers . . . . .	8.0	8.8	10.0	.7	.1	.6
Shipfitters . . . . .	10.9	8.8	-19.3	.0	-.2	.2
Shoe repairers . . . . .	22.0	21.0	-4.5	1.6	-.1	1.7
Sign painters and letterers . . . . .	23.8	27.0	13.4	1.6	.3	1.3
Stationary engineers . . . . .	179.0	186.0	3.9	7.8	.6	7.2
Stone cutters, stone carvers . . . . .	8.2	7.3	-11.0	.2	-.1	.3
Tailors . . . . .	65.1	67.0	2.9	4.2	.2	4.0
Upholsterers . . . . .	59.0	71.5	21.2	3.4	1.0	2.4
Other craft workers . . . . .	100.0	107.1	7.1	3.3	.6	2.7
Operatives . . . . .	14,416.3	16,620.1	15.3	594.7	183.7	411.0
Operatives, except transport . . . . .	10,875.3	12,506.4	15.0	459.3	135.9	323.4
Semiskilled metalworking . . . . .	1,399.5	1,670.1	19.3	56.2	22.5	33.7
Drill press operatives . . . . .	64.0	60.1	-6.1	1.3	-.3	1.6
Furnace tendrs, smeltrs, pourers . . . . .	77.7	85.0	9.4	2.4	.6	1.8
Grinding machine operatives . . . . .	129.0	125.0	-3.1	3.0	-.3	3.3
Heaters, metal . . . . .	6.7	5.6	-16.4	.1	-.1	.2
Lathe, milling mach operatives . . . . .	125.0	140.4	12.3	4.5	1.3	3.2
Metal platers . . . . .	40.0	40.0	.0	.9	-.0	.9
Other precision mach operators . . . . .	68.0	86.0	26.5	3.3	1.5	1.8
Punch, stamping press operatives . . . . .	172.3	197.0	14.3	6.4	2.1	4.3
Solderers . . . . .	37.8	24.0	-36.5	-.3	-1.2	.9
Welders and flamecutters . . . . .	679.0	907.0	33.6	34.9	19.0	15.9

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Semiskilled textile operatives .....	382.6	353.6	-7.6	8.7	-2.4	11.1
Carding, lapping, combing oprs .....	13.3	6.6	-50.4	-.3	-.6	.3
Knitters, loopers, and toppers .....	29.7	27.0	-9.1	.7	-.2	.9
Spinners, twisters, winders .....	134.0	134.0	.0	4.1	-.0	4.1
Weavers .....	37.8	28.0	-25.9	.3	-.8	1.1
Other textile operatives .....	167.8	158.0	-5.8	3.9	-.8	4.7
Semiskilled packing, inspecting .....	1,545.6	1,897.0	22.7	79.6	29.3	50.3
Checkers, examiners, mfg .....	736.0	909.0	23.5	37.8	14.4	23.4
Graders and sorters, mfg .....	45.6	51.0	11.8	2.2	.5	1.7
Meat wrappers, retail trade .....	58.1	72.0	23.9	3.0	1.2	1.8
Packers, wrappers, exc meat, produce .....	675.0	827.0	22.5	34.9	12.7	22.2
Produce grdrs, pkrs, exc fact, farm .....	30.9	38.0	23.0	2.0	.6	1.4
Other operatives, exc transport .....	7,547.5	8,585.7	13.8	314.7	86.5	228.2
Asbestos, insulation workers .....	51.0	65.0	27.5	2.2	1.2	1.0
Assemblers .....	1,164.0	1,662.0	42.8	76.1	41.5	34.6
Blasters .....	8.4	10.0	19.0	.3	.1	.2
Bottling, canning operatives .....	60.4	64.6	7.0	2.2	.4	1.8
Surveyors' helpers .....	14.1	14.8	5.0	.3	.1	.2
Clothing ironers and pressers .....	134.7	122.6	-9.0	4.1	-1.0	5.1
Cutting operatives, other .....	262.3	313.8	19.6	12.5	4.3	8.2
Dressmakers, exc factory .....	138.6	113.3	-18.3	6.9	-2.1	9.0
Drillers, earth .....	75.7	82.8	9.4	2.4	.6	1.8
Dry wall installers, lathers .....	105.0	125.0	19.0	2.9	1.7	1.2
Dyers .....	27.8	36.0	29.5	1.4	.7	.7
Filers, polishers, sanders, buffers .....	126.5	124.0	-2.0	3.5	-.2	3.7
Garage wrkrs, gas station atten .....	416.0	360.0	-13.5	3.3	-4.7	8.0
Laundry, dry cleang oprs, other .....	166.1	252.6	52.1	16.5	7.2	9.3
Meat cutters, butchers, exc mfg .....	204.0	187.0	-8.3	5.2	-1.4	6.6
Meat cutters and butchers .....	83.1	97.0	16.7	3.5	1.2	2.3
Milliners .....	2.0	1.5	-25.0	.1	-.0	.1
Mine operatives, other .....	204.1	247.0	21.0	8.1	3.6	4.5
Mixing operatives .....	86.0	93.0	8.1	2.5	.6	1.9
Oilers, greasers, exc automobiles .....	52.1	48.9	-6.1	1.2	-.3	1.5
Painters, mfg articles .....	182.0	216.0	18.7	7.1	2.8	4.3
Photographic process workers .....	96.0	115.0	19.8	4.5	1.6	2.9
Riveters and fasteners .....	29.8	34.6	16.1	1.2	.4	.8
Sailors and deckhands .....	31.0	27.0	-12.9	.3	-.3	.6
Sawyers .....	135.3	161.5	19.4	6.7	2.2	4.5
Sewers and stitchers .....	820.6	1,060.0	29.2	57.7	19.9	37.8
Shoemaking machine operatives .....	48.8	29.6	-39.3	-.2	-1.6	1.4
Furnace tendrs, stokers, exc metal .....	71.0	70.0	-1.4	2.7	-.1	2.8
Winding operatives, other .....	77.1	105.0	36.2	4.6	2.3	2.3
Miscellaneous machine operatives .....	1,474.8	1,531.0	3.8	41.8	4.7	37.1
Other operatives, exc transport .....	1,199.0	1,215.3	1.4	33.1	1.4	31.7
Transport equipment operatives .....	3,541.0	4,113.8	16.2	135.3	47.7	87.6
Boat operators .....	6.4	5.4	-15.6	.1	-.1	.2
Bus drivers .....	337.0	347.0	3.0	12.9	.8	12.1
Conductors, operators, urban rail .....	8.5	10.5	23.5	.4	.2	.2
Delivery and route workers .....	579.0	644.0	11.2	18.5	5.4	13.1
Fork lift, tow motor operatives .....	363.0	458.0	26.2	14.2	7.9	6.3
Rail vehicle operators, other .....	12.1	12.6	4.1	.3	.0	.3
Parking attendants .....	44.0	50.0	13.6	3.2	.5	2.7
Railroad brake operators .....	47.1	51.3	8.9	1.5	.4	1.1
Railroad switch operators .....	45.7	42.0	-8.1	.7	-.3	1.0
Taxicab drivers, chauffeurs .....	177.3	160.0	-9.8	6.3	-1.4	7.7
Truck drivers .....	1,920.9	2,333.0	21.5	77.1	34.3	42.8
Service workers .....	12,838.6	16,682.9	29.9	968.1	320.4	647.7
Cleaning service workers .....	2,438.7	3,035.1	24.5	199.7	49.7	150.0
Lodging qtrs cleaners, exc privt .....	187.8	291.0	55.0	19.9	8.6	11.3
Bldg interior cleaners, other .....	862.0	1,216.0	41.1	82.9	29.5	53.4
Janitors and sextons .....	1,389.0	1,528.0	10.0	96.9	11.6	85.3
Food service workers .....	4,250.4	5,656.8	33.1	290.9	117.2	173.7
Bartenders .....	282.0	369.0	30.9	21.7	7.3	14.4

See notes at end of table.

**Table 5. National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Waiters' assistants .....	215.0	348.0	61.9	14.1	11.1	3.0
Cooks, exc private households .....	1,186.0	1,564.0	31.9	86.4	31.5	54.9
Dishwashers .....	240.0	393.0	63.8	22.9	12.8	10.1
Food counter, fountain workers .....	463.0	648.0	40.0	34.4	15.4	19.0
Waiters .....	1,382.9	1,635.0	18.2	69.7	21.0	48.7
Other food serv workers, exc privt ...	481.6	699.7	45.3	41.8	18.2	23.6
<b>Health service workers .....</b>	<b>1,968.1</b>	<b>3,148.9</b>	<b>60.0</b>	<b>196.7</b>	<b>98.4</b>	<b>98.3</b>
Dental assistants .....	150.0	225.0	50.0	13.0	6.3	6.7
Health aides, except nursing .....	247.8	500.0	101.8	34.3	21.0	13.3
Health trainees .....	13.6	10.0	-26.5	.2	-.3	.5
Lay midwives .....	.8	.8	.0	.0	.0	.0
Nursing aides and orderlies .....	1,040.0	1,575.0	51.4	93.2	44.6	48.6
Practical nurses .....	516.0	838.0	62.4	55.9	26.8	29.1
<b>Personal service workers .....</b>	<b>1,658.4</b>	<b>2,133.4</b>	<b>28.6</b>	<b>127.9</b>	<b>39.6</b>	<b>88.3</b>
Flight attendants .....	44.5	75.5	69.7	5.0	2.6	2.4
Attendants, recreation, amusement...	112.9	175.0	55.0	10.6	5.2	5.4
Attendants, personal serv, other .....	78.4	100.0	27.6	7.2	1.8	5.4
Baggage porters and bellhops .....	23.9	28.0	17.2	1.3	.3	1.0
Barbers .....	121.0	140.0	15.7	9.7	1.6	8.1
Boarding, lodging housekeepers .....	35.8	54.0	50.8	5.7	1.5	4.2
Bootblacks .....	2.6	1.0	-61.5	.1	-.1	.2
Child care workers, exc private .....	382.8	551.4	44.0	38.8	14.1	24.7
Elevator operators .....	40.4	26.0	-35.6	1.4	-1.2	2.6
Hairdressers and cosmetologists .....	542.0	624.0	15.1	28.4	6.8	21.6
Housekeepers, exc private homes .....	128.0	183.0	43.0	12.2	4.6	7.6
School monitors .....	35.8	43.0	20.1	1.6	.6	1.0
Ushers, recreation and amusement...	14.3	16.5	15.4	.5	.2	.3
Welfare service aides .....	96.0	116.0	20.8	5.7	1.7	4.0
<b>Protective service workers .....</b>	<b>1,360.0</b>	<b>1,816.1</b>	<b>33.5</b>	<b>109.5</b>	<b>38.0</b>	<b>71.5</b>
Crossing guards, bridgetenders .....	49.0	56.3	14.9	5.4	.6	4.8
Firefighters .....	220.0	270.0	22.7	7.8	4.2	3.6
Guards .....	548.0	820.0	49.6	73.7	22.7	51.0
Marshals and constables .....	8.0	9.8	22.5	.8	.2	.6
Police and detectives .....	475.0	585.0	23.2	17.7	9.2	8.5
Sheriffs and bailiffs .....	60.0	75.0	25.0	4.2	1.3	2.9
<b>Private household workers .....</b>	<b>1,163.0</b>	<b>892.6</b>	<b>-23.3</b>	<b>43.4</b>	<b>-22.5</b>	<b>65.9</b>
Child care workers .....	486.0	335.4	-31.0	11.7	-12.5	24.2
Cooks .....	22.0	26.4	20.0	2.4	.4	2.0
Housekeepers .....	118.0	62.8	-46.8	2.2	-4.6	6.8
Launderers .....	7.0	2.8	-60.0	.0	-.4	.4
Cleaners and servants .....	530.0	465.2	-12.2	27.2	-5.4	32.6
<b>Laborers, except farm .....</b>	<b>4,729.1</b>	<b>5,111.0</b>	<b>8.1</b>	<b>171.1</b>	<b>31.8</b>	<b>139.3</b>
Animal caretakers, exc farm .....	120.5	162.0	34.4	8.6	3.5	5.1
Carpenters' helpers .....	103.7	101.0	-2.6	2.1	-.2	2.3
Constr labr, exc carpenters' helpers ..	862.0	970.0	12.5	31.5	9.0	22.5
Fishers, hunters, trappers .....	50.6	30.0	-40.7	-.3	-1.7	1.4
Freight and material handlers .....	819.4	880.0	7.4	22.1	5.0	17.1
Garbage collectors .....	101.4	166.0	63.7	8.8	5.4	3.4
Gardens, groundskeepers, exc farm ..	682.6	726.0	6.4	45.9	3.6	42.3
Longshore workers, stevedores .....	57.9	54.0	-6.7	1.3	-.3	1.6
Timbercutting, logging workers .....	88.1	66.0	-25.1	.0	-1.8	1.8
Stock handlers .....	915.0	1,032.0	12.8	25.4	9.7	15.7
Teamsters .....	5.8	4.0	-31.0	-.1	-.2	.1
Vehicle washers, equip cleaners .....	202.7	202.0	-.3	4.5	-.1	4.6
Warehouse laborers, other .....	157.9	153.0	-3.1	3.0	-.4	3.4
Other laborers .....	561.4	565.0	.6	18.4	.3	18.1
<b>Farmers and farm workers .....</b>	<b>2,797.9</b>	<b>2,352.5</b>	<b>-15.9</b>	<b>110.5</b>	<b>-37.1</b>	<b>147.6</b>
Farmers and farm managers .....	1,480.0	1,285.5	-13.1	83.7	-16.2	99.9
Farmers (owners and tenants) .....	1,445.0	1,227.0	-15.1	79.5	-18.2	97.7
Farm managers .....	35.0	58.5	67.1	4.3	2.0	2.3

See notes at end of table.

**Table 5. Continued—National 1978 employment, projected 1990 requirements, and average annual openings, 1978-90, by occupation**

(Numbers in thousands)

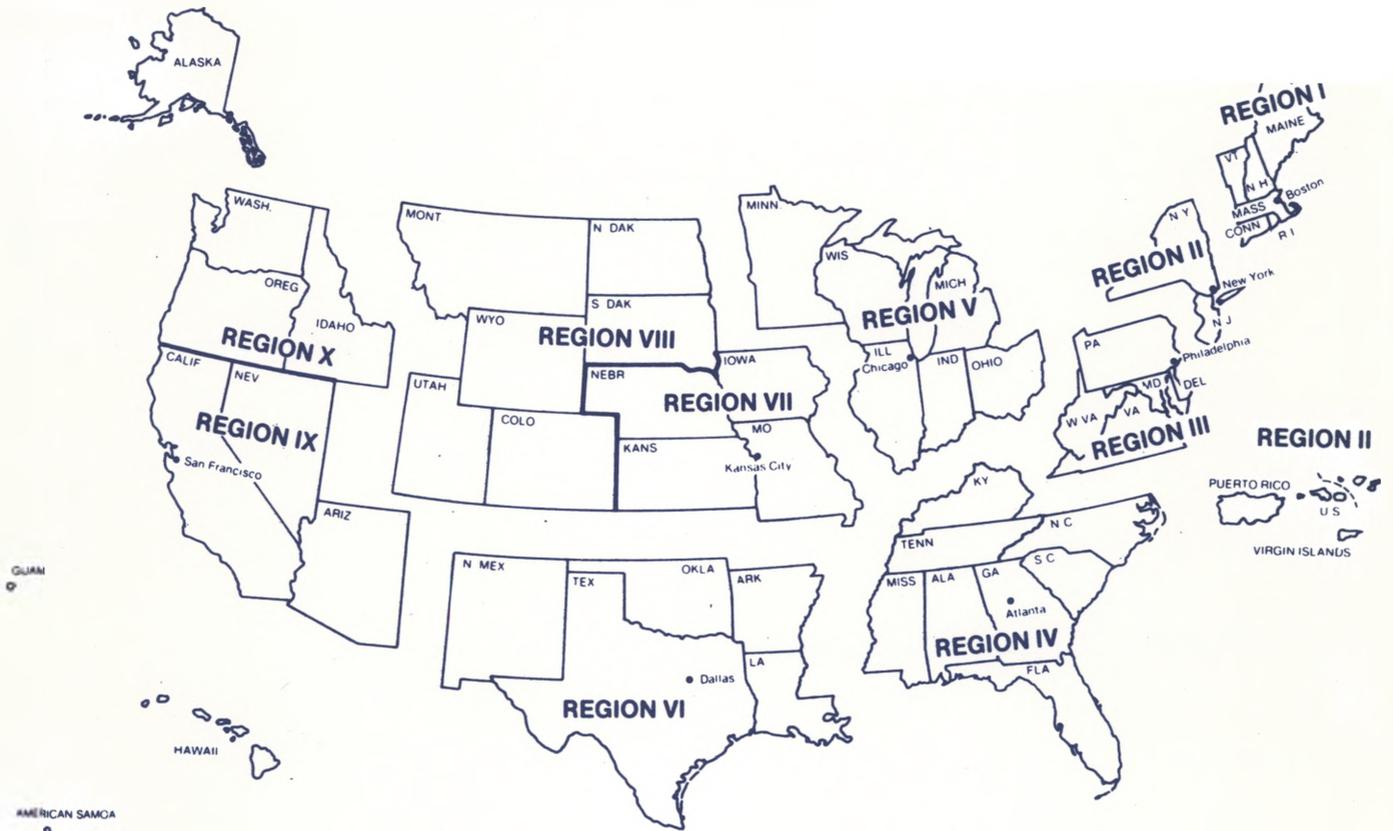
Occupation	1978 employment	1990 employment	Percent change 1978-90	Average annual openings 1978-90		
				Total	Employment change	Replacement needs <sup>1</sup>
Farm laborers, farm supervisors.....	1,317.9	1,067.0	-19.0	26.8	-20.9	47.7
Farm labor supervisors .....	39.0	36.1	-7.4	1.3	-.2	1.5
Farm laborers, wage workers .....	971.0	794.8	-18.1	21.6	-14.7	36.3
Farm laborers, unpaid family .....	298.9	215.4	-27.9	2.2	-7.0	9.2
Farm laborers, self-employed .....	9.0	20.7	130.0	1.6	1.0	.6

<sup>1</sup>Replacement needs due to deaths and retirements; does not take account of replacement needs due to occupational transfers.

NOTE: Detail may not add to totals due to rounding.

# Bureau of Labor Statistics

## Regional Offices



### Region I

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

### Region II

Suite 3400  
1515 Broadway  
New York, N.Y. 10036  
Phone: (212) 944-3121

### Region III

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

### Region IV

1371 Peachtree Street, N.E.  
Atlanta, Ga. 30367  
Phone: (404) 881-4418

### Region V

9th Floor  
Federal Office Building  
230 S. Dearborn Street  
Chicago, Ill. 60604  
Phone: (312) 353-1880

### Region VI

Second Floor  
555 Griffin Square Building  
Dallas, Tex. 75202  
Phone: (214) 767-6971

### Regions VII and VIII

911 Walnut Street  
Kansas City, Mo. 64106  
Phone: (816) 374-2481

### Regions IX and X

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