

## APPENDIX A-4

### 1980 Census of Population Occupation Classification System

(The numbers in parentheses refer to the 1980 Standard Occupational Classification code equivalents. Pt means part. N.e.c. means not elsewhere classified.)

#### MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1980  
Code

##### Executive, Administrative, and Managerial Occupations

003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
	Management related occupations
023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion agents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)

##### Professional Specialty Occupations

###### Engineers, Architects, and Surveyors

043	Architects (161)
	Engineers
044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)

058 Marine and naval architects (1637)  
 059 Engineers, n.e.c. (1639)  
 063 Surveyors and mapping scientists (164)  
 Mathematical and Computer Scientists  
 064 Computer systems analysts and scientists (171)  
 065 Operations and systems researchers and analysts (172)  
 066 Actuaries (1732)  
 067 Statisticians (1733)  
 068 Mathematical scientists, n.e.c. (1739)  
 Natural Scientists  
 069 Physicists and astronomers (1842, 1843)  
 073 Chemists, except biochemists (1845)  
 074 Atmospheric and space scientists (1846)  
 075 Geologists and geodesists (1847)  
 076 Physical scientists, n.e.c. (1849)  
 077 Agricultural and food scientists (1853)  
 078 Biological and life scientists (1854)  
 079 Forestry and conservation scientists (1852)  
 083 Medical scientists (1855)  
 Health Diagnosing Occupations  
 084 Physicians (261)  
 085 Dentists (262)  
 086 Veterinarians (27)  
 087 Optometrists (281)  
 088 Podiatrists (283)  
 089 Health diagnosing practitioners, n.e.c. (289)  
 Health Assessment and Treating Occupations  
 095 Registered nurses (29)  
 096 Pharmacists (301)  
 097 Dietitians (302)  
 Therapists  
 098 Inhalation therapists (3031)  
 099 Occupational therapists (3032)  
 103 Physical therapists (3033)  
 104 Speech therapists (3034)  
 105 Therapists, n.e.c. (3039)  
 106 Physicians' assistants (304)  
 Teachers, Postsecondary  
 113 Earth, environmental, and marine science teachers (2212)  
 114 Biological science teachers (2213)  
 115 Chemistry teachers (2214)  
 116 Physics teachers (2215)  
 117 Natural science teachers, n.e.c. (2216)  
 118 Psychology teachers (2217)  
 119 Economics teachers (2218)  
 123 History teachers (2222)  
 124 Political science teachers (2223)  
 125 Sociology teachers (2224)  
 126 Social science teachers, n.e.c. (2225)  
 127 Engineering teachers (2226)  
 128 Mathematical science teachers (2227)  
 129 Computer science teachers (2228)  
 133 Medical science teachers (2231)  
 134 Health specialties teachers (2232)  
 135 Business, commerce, and marketing teachers (2233)  
 136 Agriculture and forestry teachers (2234)

137 Art, drama, and music teachers (2235)  
 138 Physical education teachers (2236)  
 139 Education teachers (2237)  
 143 English teachers (2238)  
 144 Foreign language teachers (2242)  
 145 Law teachers (2243)  
 146 Social work teachers (2244)  
 147 Theology teachers (2245)  
 148 Trade and industrial teachers (2246)  
 149 Home economics teachers (2247)  
 153 Teachers, postsecondary, n.e.c. (2249)  
 154 Postsecondary teachers, subject not specified  
 Teachers, Except Postsecondary  
 155 Teachers, prekindergarten and kindergarten (231)  
 N(156) Teachers, elementary school (232)  
 P(157) Teachers, secondary school (233)  
 158 Teachers, special education (235)  
 159 Teachers, n.e.c. (236, 239)  
 163 Counselors, educational and vocational (24)  
 Librarians, Archivists, and Curators  
 164 Librarians (251)  
 165 Archivists and curators (252)  
 Social Scientists and Urban Planners  
 166 Economists (1912)  
 167 Psychologists (1915)  
 168 Sociologists (1916)  
 169 Social scientists, n.e.c. (1913, 1914, 1919)  
 173 Urban planners (192)  
 Social, Recreation, and Religious Workers  
 174 Social workers (2032)  
 175 Recreation workers (2033)  
 176 Clergy (2042)  
 177 Religious workers, n.e.c. (2049)  
 Lawyers and Judges  
 178 Lawyers (211)  
 179 Judges (212)  
 Writers, Artists, Entertainers, and Athletes  
 183 Authors (321)  
 184 Technical writers (398)  
 185 Designers (322)  
 186 Musicians and composers (323)  
 187 Actors and directors (324)  
 188 Painters, sculptors, craft-artists, and artist printmakers (325)  
 189 Photographers (326)  
 193 Dancers (327)  
 194 Artists, performers, and related workers, n.e.c. (328, 329)  
 195 Editors and reporters (331)  
 197 Public relations specialists (332)  
 198 Announcers (333)  
 199 Athletes (34)

## TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

### Technicians and Related Support Occupations

	<b>Health Technologists and Technicians</b>
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health technologists and technicians, n.e.c. (369)
	<b>Technologists and Technicians, Except Health</b>
	<b>Engineering and Related Technologists and Technicians</b>
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
	<b>Science Technicians</b>
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
	<b>Technicians; Except Health, Engineering, and Science</b>
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
	<b>Sales Occupations</b>
243	Supervisors and proprietors, sales occupations (40)
	<b>Sales Representatives, Finance and Business Services</b>
253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)
	<b>Sales Representatives, Commodities Except Retail</b>
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
	<b>Sales Workers, Retail and Personal Services</b>
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275	Sales counter clerks (4363)
Q(276)	Cashiers (4364)
277	Street and door-to-door sales workers (4366)

- 278 News vendors (4365)
- Sales Related Occupations
- 283 Demonstrators, promoters and models, sales (445)
- 284 Auctioneers (447)
- 285 Sales support occupations, n.e.c. (444, 446, 449)

### Administrative Support Occupations, Including Clerical

#### Supervisors, Administrative Support Occupations

- 303 Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
- 304 Supervisors, computer equipment operators (4512)
- 305 Supervisors, financial records processing (4521)
- 306 Chief communications operators (4523)
- 307 Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)

#### Computer Equipment Operators

- 308 Computer operators (4612)
- 309 Peripheral equipment operators (4613)

#### Secretaries, Stenographers, and Typists

- R(313) Secretaries (4622)
- 314 Stenographers (4623)
- 315 Typists (4624)

#### Information Clerks

- 316 Interviewers (4642)
- 317 Hotel clerks (4643)
- 318 Transportation ticket and reservation agents (4644)
- 319 Receptionists (4645)
- 323 Information clerks, n.e.c. (4649)

#### Records Processing Occupations, Except Financial

- 325 Classified-ad clerks (4662)
- 326 Correspondence clerks (4663)
- 327 Order clerks (4664)
- 328 Personnel clerks, except payroll and timekeeping (4692)
- 329 Library clerks (4694)
- 335 File clerks (4696)
- 336 Records clerks (4699)

#### Financial Records Processing Occupations

- S(337) Bookkeepers, accounting, and auditing clerks (4712)
- 338 Payroll and timekeeping clerks (4713)
- 339 Billing clerks (4715)
- 343 Cost and rate clerks (4716)
- 344 Billing, posting, and calculating machine operators (4718)

#### Duplicating, Mail and Other Office Machine Operators

- 345 Duplicating machine operators (4722)
- 346 Mail preparing and paper handling machine operators (4723)
- 347 Office machine operators, n.e.c. (4729)

#### Communications Equipment Operators

- 348 Telephone operators (4732)
- 349 Telegraphers (4733)
- 353 Communications equipment operators, n.e.c. (4739)

#### Mail and Message Distributing Occupations

- 354 Postal clerks, exc. mail carriers (4742)
- 355 Mail carriers, postal service (4743)
- 356 Mail clerks, exc. postal service (4744)
- 357 Messengers (4745)

#### Material Recording, Scheduling, and Distributing Clerks

- 359 Dispatchers (4751)

363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
	<b>Adjusters and Investigators</b>
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
	<b>Miscellaneous Administrative Support Occupations</b>
379	General office clerks (463)
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers' aides (4795)
389	Administrative support occupations, n.e.c. (4787, 4799)

## **SERVICE OCCUPATIONS**

### **Private Household Occupations**

403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
T(407)	Private household cleaners and servants (502, 507, 509)

### **Protective Service Occupations**

	<b>Supervisors, Protective Service Occupations</b>
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
	<b>Firefighting and Fire Prevention Occupations</b>
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
	<b>Police and Detectives</b>
418	Police and detectives, public service (5132)
423	Sheriffs bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
	<b>Guards</b>
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)

### **Service Occupations, Except Protective and Household**

	<b>Food Preparation and Service Occupations</b>
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
U(435)	Waiters and waitresses (5213)

436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters' /waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
	<b>Health Service Occupations</b>
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
	<b>Cleaning and Building Service Occupations, except Household</b>
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
V(453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)
	<b>Personal Service Occupations</b>
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

## **FARMING, FORESTRY, AND FISHING OCCUPATIONS**

### **Farm Operators and Managers**

W(473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)

### **Other Agricultural and Related Occupations**

	<b>Farm Occupations, Except Managerial</b>
477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
	<b>Related Agricultural Occupations</b>
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)

### Forestry and Logging Occupations

- 494 Supervisors, forestry, and logging workers (571)
- 495 Forestry workers, except logging (572)
- 496 Timber cutting and logging occupations (573, 579)

### Fishers, Hunters, and Trappers

- 497 Captains and other officers, fishing vessels (pt 8241)
- 498 Fishers (583)
- 499 Hunters and trappers (584)

## PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

### Mechanics and Repairers

- 503 Supervisors, mechanics and repairers (60)
- Mechanics and Repairers, Except Supervisors
  - Vehicle and Mobile Equipment Mechanics and Repairers
    - X(505) Automobile mechanics (pt 6111)
      - 506 Automobile mechanic apprentices (pt 6111)
      - 507 Bus, truck, and stationary engine mechanics (6112)
      - 508 Aircraft engine mechanics (6113)
      - 509 Small engine repairers (6114)
      - 514 Automobile body and related repairers (6115)
      - 515 Aircraft mechanics, exc. engine (6116)
      - 516 Heavy equipment mechanics (6117)
      - 517 Farm equipment mechanics (6118)
      - 518 Industrial machinery repairers (613)
      - 519 Machinery maintenance occupations (614)
    - Electrical and Electronic Equipment Repairers
      - 523 Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
      - 525 Data processing equipment repairers (6154)
      - 526 Household appliance and power tool repairers (6156)
      - 527 Telephone line installers and repairers (6157)
      - 529 Telephone installers and repairers (6158)
      - 533 Miscellaneous electrical and electronic equipment repairers (6152, 6159)
      - 534 Heating, air conditioning, and refrigeration mechanics (6161)
    - Miscellaneous Mechanics and Repairers
      - 535 Camera, watch, and musical instrument repairers (6171, 6172)
      - 536 Locksmiths and safe repairers (6173)
      - 538 Office machine repairers (6174)
      - 539 Mechanical controls and valve repairers (6175)
      - 543 Elevator installers and repairers (6176)
      - 544 Millwrights (6178)
      - 547 Specified mechanics and repairers, n.e.c. (6177, 6179)
      - 549 Not specified mechanics and repairers

### Construction Trades

- Supervisors, construction occupations
  - 553 Supervisors; brickmasons, stonemasons, and tile setters (6312)
  - 554 Supervisors, carpenters and related workers (6313)
  - 555 Supervisors, electricians and power transmission installers (6314)
  - 556 Supervisors; painters, paperhangers, and plasterers (6315)
  - 557 Supervisors; plumbers, pipefitters, and steamfitters (6316)

558 Supervisors, n.e.c. (6311, 6318)  
 Construction Trades, Except Supervisors  
 563 Brickmasons and stonemasons (pt 6412, pt 6413)  
 564 Brickmason and stonemason apprentices (pt 6412, pt 6413)  
 565 Tile setters, hard and soft (6414, pt 6462)  
 566 Carpet installers (pt 6462)  
 Y(567) Carpenters (pt 6422)  
 569 Carpenter apprentices (pt 6422)  
 573 Drywall installers (6424)  
 575 Electricians (pt 6432)  
 576 Electrician apprentices (pt 6432)  
 577 Electrical power installers and repairers (6433)  
 579 Painters, construction and maintenance (6442)  
 583 Paperhangers (6443)  
 584 Plasterers (6444)  
 585 Plumbers, pipefitters, and steamfitters (pt 645)  
 587 Plumber, pipefitter, and steamfitter apprentices (pt 645)  
 588 Concrete and terrazzo finishers (6463)  
 589 Glaziers (6464)  
 593 Insulation workers (6465)  
 594 Paving, surfacing, and tamping equipment operators (6466)  
 595 Roofers (6468)  
 596 Sheetmetal duct installers (6472)  
 597 Structural metal workers (6473)  
 598 Drillers, earth (6474)  
 599 Construction trades, n.e.c. (6467, 6475, 6476, 6479)  
 Extractive Occupations  
 613 Supervisors, extractive occupations (632)  
 614 Drillers, oil well (652)  
 615 Explosives workers (653)  
 616 Mining machine operators (654)  
 617 Mining occupations, n.e.c. (656)  
 Precision Production Occupations  
 633 Supervisors, production occupations (67, 71)  
 Precision Metal Working Occupations  
 634 Tool and die makers (pt 6811)  
 635 Tool and die maker apprentices (pt 6811)  
 636 Precision assemblers, metal (6812)  
 637 Machinists (pt 6813)  
 639 Machinist apprentices (pt 6813)  
 643 Boilermakers (6814)  
 644 Precision grinders, filers, and tool sharpeners (6816)  
 645 Patternmakers and model makers, metal (6817)  
 646 Lay-out workers (6821)  
 647 Precious stones and metals workers (Jewelers) (6822, 6866)  
 649 Engravers, metal (6823)  
 653 Sheet metal workers (pt 6824)  
 654 Sheet metal worker apprentices (pt 6824)  
 655 Miscellaneous precision metal workers (6829)  
 Precision Woodworking Occupations  
 656 Patternmakers and model makers, wood (6831)  
 657 Cabinet makers and bench carpenters (6832)  
 658 Furniture and wood finishers (6835)  
 659 Miscellaneous precision woodworkers (6839)  
 Precision Textile, Apparel, and Furnishings Machine Workers  
 666 Dressmakers (pt 6852, pt 7752)

- 667 Tailors (pt 6852)
- 668 Upholsterers (6853)
- 669 Shoe repairers (6854)
- 673 Apparel and fabric patternmakers (6856)
- 674 Miscellaneous precision apparel and fabric workers (6859, pt 7752)
- Precision Workers, Assorted Materials
- 675 Hand molders and shapers, except jewelers (6861)
- 676 Patternmakers, lay-out workers, and cutters (6862)
- 677 Optical goods workers (6864, pt 7477, pt 7677)
- 678 Dental laboratory and medical appliance technicians (6865)
- 679 Bookbinders (6844)
- 683 Electrical and electronic equipment assemblers (6867)
- 684 Miscellaneous precision workers, n.e.c. (6869)
- Precision Food Production Occupations
- 686 Butchers and meat cutters (6871)
- 687 Bakers (6872)
- 688 Food batchmakers (6873, 6879)
- Precision Inspectors, Testers, and Related Workers
- 689 Inspectors, testers, and graders (6881, 828)
- 693 Adjusters and calibrators (6882)
- Plant and System Operators
- 694 Water and sewage treatment plant operators (691)
- 695 Power plant operators (pt 693)
- 696 Stationary engineers (pt 693, 7668)
- 699 Miscellaneous plant and system operators (692, 694, 695, 696)

## **OPERATORS, FABRICATORS, AND LABORERS**

### **Machine Operators, Assemblers, and Inspectors**

- Machine Operators and Tenders, except Precision
- Metal working and Plastic Working Machine Operators
- 703 Lathe and turning machine set-up operators (7312)
- 704 Lathe and turning machine operators (7512)
- 705 Milling and planing machine operators (7313, 7513)
- 706 Punching and stamping press machine operators (7314, 7317, 7514, 7517)
- 707 Rolling machine operators (7316, 7516)
- 708 Drilling and boring machine operators (7318, 7518)
- 709 Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
- 713 Forging machine operators (7319, 7519)
- 714 Numerical control machine operators (7326)
- 715 Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
- 717 Fabricating machine operators, n.e.c. (7339, 7539)
- Metal and Plastic Processing Machine Operators
- 719 Molding and casting machine operators (7315, 7342, 7515, 7542)
- 723 Metal plating machine operators (7343, 7543)
- 724 Heat treating equipment operators (7344, 7544)
- 725 Miscellaneous metal and plastic processing machine operators (7349, 7549)
- Woodworking Machine Operators
- 726 Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
- 727 Sawing machine operators (7433, 7633)
- 728 Shaping and joining machine operators (7435, 7635)
- 729 Nailing and tacking machine operators (7636)
- 733 Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)

- Printing Machine Operators**
- 734      Printing machine operators (7443, 7643)
  - 735      Photoengravers and lithographers (6842, 7444, 7644)
  - 736      Typesetters and compositors (6841, 7642)
  - 737      Miscellaneous printing machine operators (6849, 7449, 7649)
- Textile, Apparel, and Furnishings Machine Operators**
- 738      Winding and twisting machine operators (7451, 7651)
  - 739      Knitting, looping, taping, and weaving machine operators (7452, 7652)
  - 743      Textile cutting machine operators (7654)
  - 744      Textile sewing machine operators (7655)
  - 745      Shoe machine operators (7656)
  - 747      Pressing machine operators (7657)
  - 748      Laundering and dry cleaning machine operators (6855, 7658)
  - 749      Miscellaneous textile machine operators (7459, 7659)
- Machine Operators, Assorted Materials**
- 753      Cementing and gluing machine operators (7661)
  - 754      Packaging and filling machine operators (7462, 7662)
  - 755      Extruding and forming machine operators (7463, 7663)
  - 756      Mixing and blending machine operators (7664)
  - 757      Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
  - 758      Compressing and compacting machine operators (7467, 7667)
  - 759      Painting and paint spraying machine operators (7669)
  - 763      Roasting and baking machine operators, food (7472, 7672)
  - 764      Washing, cleaning, and pickling machine operators (7673)
  - 765      Folding machine operators (7474, 7674)
  - 766      Furnace, kiln, and oven operators, exc. food (7675)
  - 768      Crushing and grinding machine operators (pt 7477, pt 7677)
  - 769      Slicing and cutting machine operators (7478, 7678)
  - 773      Motion picture projectionists (pt 7479)
  - 774      Photographic process machine operators (6863, 6868, 7671)
  - 777      Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
  - 779      Machine operators, not specified
- Fabricators, Assemblers, and Hand Working Occupations**
- 783      Welders and cutters (7332, 7532, 7714)
  - 784      Solderers and brazers (7333, 7533, 7717)
  - 785      Assemblers (772, 774)
  - 786      Hand cutting and trimming occupations (7753)
  - 787      Hand molding, casting, and forming occupations (7754, 7755)
  - 789      Hand painting, coating, and decorating occupations (7756)
  - 793      Hand engraving and printing occupations (7757)
  - 794      Hand grinding and polishing occupations (7758)
  - 795      Miscellaneous hand working occupations (7759)
- Production Inspectors, Testers, Samplers, and Weighers**
- 796      Production inspectors, checkers, and examiners (782, 787)
  - 797      Production testers (783)
  - 798      Production samplers and weighers (784)
  - 799      Graders and sorters, exc. agricultural (785)

### **Transportation and Material Moving Occupations**

- Motor Vehicle Operators**
- 803      Supervisors, motor vehicle operators (8111)
  - 804      Truck drivers, heavy (8212, 8213)
  - 805      Truck drivers, light (8214)
  - 806      Driver-sales workers (8218)
  - 808      Bus drivers (8215)

809 Taxicab drivers and chauffeurs (8216)  
 813 Parking lot attendants (874)  
 814 Motor transportation occupations, n.e.c. (8219)  
 Transportation Occupations, Except Motor Vehicles  
 Rail Transportation Occupations  
 823 Railroad conductors and yardmasters (8113)  
 824 Locomotive operating occupations (8232)  
 825 Railroad brake, signal, and switch operators (8233)  
 826 Rail vehicle operators, n.e.c. (8239)  
 Water Transportation Occupations  
 828 Ship captains and mates, except fishing boats (pt 8241, 8242)  
 829 Sailors and deckhands (8243)  
 833 Marine engineers (8244)  
 834 Bridge, lock, and lighthouse tenders (8245)  
 Material Moving Equipment Operators  
 843 Supervisors, material moving equipment operators (812)  
 844 Operating engineers (8312)  
 845 Longshore equipment operators (8313)  
 848 Hoist and winch operators (8314)  
 849 Crane and tower operators (8315)  
 853 Excavating and loading machine operators (8316)  
 855 Grader, dozer, and scraper operators (8317)  
 856 Industrial truck and tractor equipment operators (8318)  
 859 Miscellaneous material moving equipment operators (8319)

#### **Handlers, Equipment Cleaners, Helpers, and Laborers**

863 Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)  
 864 Helpers, mechanics and repairers (863)  
 Helpers, Construction and Extractive Occupations  
 865 Helpers, construction trades (8641-8645, 8648)  
 866 Helpers, surveyor (8646)  
 867 Helpers, extractive occupations (865)  
 869 Construction laborers (871)  
 873 Production helpers (861, 862)  
 Freight, Stock, and Material Handlers  
 875 Garbage collectors (8722)  
 876 Stevedores (8723)  
 877 Stock handlers and baggers (8724)  
 878 Machine feeders and offbearers (8725)  
 883 Freight, stock, and material handlers, n.e.c. (8726)  
 885 Garage and service station related occupations (873)  
 887 Vehicle washers and equipment cleaners (875)  
 888 Hand packers and packagers (8761)  
 889 Laborers, except construction (8769)  
 905 Member of the Armed Forces

## APPENDIX A-5

### 1980 Census of Population Industry Classification System

(Alphabets parentheses are the 1972 SIC code equivalents 1)

Census  
Code

#### AGRICULTURE, FORESTRY, AND FISHERIES

- 010 (A) Agricultural production, crops (01)
- 011 Agricultural production, livestock (02)
- 020 Agricultural services, except horticultural (07, except 078)
- 021 Horticultural services (078)
- 030 Forestry (08)
- 031 Fishing, hunting, and trapping (09)

#### MINING

- 040 Metal mining (10)
- 041 Coal mining (11, 12)
- 042 Crude petroleum and natural gas extraction (13)
- 050 Nonmetallic mining and quarrying, except fuel (14)

- 060 (B) **CONSTRUCTION** (15, 16, 17)

#### MANUFACTURING

##### Nondurable Goods

- Food and kindred products
  - 100 Meat products (201)
  - 101 Dairy products (202)
  - 102 Canned and preserved fruits and vegetables (203)
  - 110 Grain mill products (204)
  - 111 Bakery products (205)
  - 112 Sugar and confectionery products (206)
  - 120 Beverage Industries (208)
  - 121 Miscellaneous food preparations and kindred products (207, 209)
  - 122 Not specified food industries
  - 130 Tobacco manufactures (21)
- Textile mill products
  - 132 Knitting mills (225)
  - 140 Dyeing and finishing textiles, except wool and knit goods (226)
  - 141 Floor coverings, except hard surface (227)
  - 142 Yarn, thread, and fabric mills (221-224, 228)
  - 150 Miscellaneous textile mill products (229)

- Apparel and other finished textile products
- 151 Apparel and accessories, except knit (231-238)
- 152 Miscellaneous fabricated textile products (239)
- Paper and allied products
- 160 Pulp, paper, and paperboard mills (261-263, 266)
- 161 Miscellaneous paper and pulp products (264)
- 162 Paperboard containers and boxes (265)
- Printing, publishing, and allied industries
- 171 (C) Newspaper publishing and printing (271)
- 172 Printing, publishing, and allied industries, except newspapers (272-279)
- Chemicals and allied products
- 180 Plastics, synthetics, and resins (282)
- 181 Drugs (283)
- 182 Soaps and cosmetics (284)
- 190 Paints, varnishes, and related products (287)
- 191 Agricultural chemicals (287)
- 192 Industrial and miscellaneous chemicals (281, 286, 289)
- Petroleum and coal products
- 200 Petroleum refining (291)
- 201 Miscellaneous petroleum and coal products (295, 299)
- Rubber and miscellaneous plastics products
- 210 Tires and inner tubes (301)
- 211 Other rubber products, and plastics footwear and belting (302-304, 306)
- 212 Miscellaneous plastics products (307)
- Leather and leather products
- 220 Leather tanning and finishing (311)
- 221 Footwear, except rubber and plastic (313, 314)
- 222 Leather products, except footwear (315-317, 319)

### **Durable Goods**

- Lumber and wood products, except furniture
- 230 Logging (241)
- 231 Sawmills, planing mills, and millwork (242, 243)
- 232 Wood buildings and mobile homes (245)
- 241 Miscellaneous wood products (244, 249)
- 242 Furniture and fixtures (25)
- Stone, clay, glass, and concrete products
- 250 Glass and glass products (321-323)
- 251 Cement, concrete, gypsum, and plaster products (324, 327)
- 252 Structural clay products (325)
- 261 Pottery and related products (326)
- 262 Miscellaneous nonmetallic mineral and stone products (328, 329).
- Metal industries
- 270 Blast furnaces, steelworks, rolling and finishing mills (331)
- 271 Iron and steel foundries (332)
- 272 Primary aluminum industries (3334, part 334, 3353-3355, 3361)
- 280 Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
- 281 Cutlery, handtools, and other hardware (342)
- 282 Fabricated structural metal products (344)
- 290 Screw machine products (345)
- 291 Metal forgings and stampings (346)
- 292 Ordnance (348)

- 300 Miscellaneous fabricated metal products (341, 343, 347, 349)
- 301 Not specified metal industries
- Machinery, except electrical
- 310 Engines and turbines (351)
- 311 Farm machinery and equipment (352)
- 312 Construction and material handling machines (353)
- 320 Metalworking machinery (354)
- 321 Office and accounting machines (357, except 3573)
- 322 Electronic computing equipment (3573)
- 331 Machinery, except electrical, n.e.c. (355, 356, 358, 359)
- 332 Not specified machinery
- Electrical machinery, equipment, and supplies
- 340 Household appliances (363)
- 341 Radio, T.V., and communication equipment (365, 366)
- 342 Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
- 350 Not specified electrical machinery, equipment, and supplies
- Transportation equipment
- 351 Motor vehicles and motor vehicle equipment (371)
- 352 Aircraft and parts (372)
- 360 Ship and boat building and repairing (373)
- 361 Railroad locomotives and equipment (374)
- 362 Guided missiles, space vehicles, and parts (376)
- 370 Cycles and miscellaneous transportation equipment (375, 379)
- Professional and photographic equipment, and watches
- 371 Scientific and controlling instruments (381, 382)
- 372 Optical and health services supplies (383, 384, 385)
- 380 Photographic equipment and supplies (386)
- 381 Watches, clocks, and clockwork operated devices (387)
- 382 Not specified professional equipment
- 390 Toys, amusement, and sporting goods (394)
- 391 Miscellaneous manufacturing industries (39 exc. 394)
- 392 Not specified manufacturing industries

## TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

- Transportation
- 400 Railroads (40)
- 401 Bus service and urban transit (41, except 412)
- 402 Taxicab service (412)
- 410 Trucking service (421, 423)
- 411 Warehousing and storage (422)
- 412 U.S. Postal Service (43)
- 420 Water transportation (44)
- 421 Air transportation (45)
- 422 Pipe lines, except natural gas (46)
- 432 Services incidental to transportation (47)
- Communications
- 440 Radio and television broadcasting (483)
- 441 Telephone (wire and radio) (481)
- 442 Telegraph and miscellaneous communication services (482, 489)
- Utilities and sanitary services
- 460 Electric light and power (491)

- 461 Gas and steam supply systems (492, 496)
- 462 Electric and gas, and other combinations (493)
- 470 Water supply and irrigation (494, 497)
- 471 Sanitary services (495)
- 472 Not specified utilities

## **WHOLESALE TRADE**

### **Durable Goods**

- 500 Motor vehicles and equipment (501)
- 501 Furniture and home furnishings (502)
- 502 Lumber and construction materials (503)
- 510 Sporting goods, toys, and hobby goods (504)
- 511 Metals and minerals, except petroleum (505)
- 512 Electrical goods (506)
- 521 Hardware, plumbing and heating supplies (507)
- 522 Not specified electrical and hardware products
- 530 Machinery, equipment, and supplies (508)
- 531 Scrap and waste materials (5093)
- 532 Miscellaneous wholesale, durable goods (5094, 5099)

### **Nondurable Goods**

- 540 Paper and paper products (511)
- 541 Drugs, chemicals and allied products (512, 516)
- 542 Apparel, fabrics, and notions (513)
- 550 Groceries and related products (514)
- 551 Farm products - raw materials (515)
- 552 Petroleum products (517)
- 560 Alcoholic beverages (518)
- 561 Farm supplies (5191)
- 562 Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
- 571 Not specified wholesale trade

## **RETAIL TRADE**

- 580 Lumber and building material retailing (521, 523)
- 581 Hardware stores (525)
- 582 Retail nurseries and garden stores (526)
- 590 Mobile home dealers (527)
- 591 (D) Department stores (531)
- 592 Variety stores (533)
- 600 Miscellaneous general merchandise stores (539)
- 601 (E) Grocery stores (541)
- 602 Dairy products stores (545)
- 610 Retail bakeries (546)
- 611 Food stores, n.e.c. (542, 543, 544, 549)
- 612 Motor vehicle dealers (551, 552)
- 620 Auto and home supply stores (553)
- 621 Gasoline service stations (554)
- 622 Miscellaneous vehicle dealers (555, 556, 557, 559)
- 630 Apparel and accessory stores, except shoe (56, except 566)
- 631 Shoe stores (566)

- 632 Furniture and home furnishings stores (571)
- 640 Household appliances, TV, and radio stores (572, 573)
- 641 (F) Eating and drinking places (58)
- 642 Drug stores (591)
- 650 Liquor stores (592)
- 651 Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
- 652 Book and stationery stores (5942, 5943)
- 660 Jewelry stores (5944)
- 661 Sewing, needlework and piece goods stores (5949)
- 662 Mail order houses (5961)
- 670 Vending machine operators (5962)
- 671 Direct selling establishments<sup>1</sup> establishments (5963)
- 672 Fuel and ice dealers (598)
- 681 Retail florists (5992)
- 682 Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
- 691 Not specified retail trade

### **FINANCE, INSURANCE, AND REAL ESTATE**

- 700 (G) Banking (60)
- 701 Savings and loan associations (612)
- 702 Credit agencies, n.e.c. (61, except 612)
- 710 Security, commodity brokerage, and investment companies (62, 67)
- 711 (H) Insurance (63, 64)
- 712 Real estate, including real estate-insurance-law offices (65, 66)

### **BUSINESS AND REPAIR SERVICES**

- 721 Advertising (731)
- 722 Services to dwellings and other buildings (734)
- 730 Commercial research, development, and testing labs (7391, 7397)
- 731 Personnel supply services (736)
- 732 Business management and consulting services (7392)
  
- 740 Computer and data processing services (737)
- 741 Detective and protective services (7393)
- 742 Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
- 750 Automotive services, except repair (751, 752, 754)
- 751 Automotive repair shops (753)
- 752 Electrical repair shops (762, 7694)
- 760 Miscellaneous repair services (763, 764, 7692, 7699)

### **PERSONAL SERVICES**

- 761 (J) Private households (88)
- 762 Hotels and motels (701)
- 770 Lodging places, except hotels and motels (702, 703, 704)
- 771 Laundry, cleaning, and garment services (721)
- 772 Beauty shops (723)
- 780 Barber shops (724)
- 781 Funeral service and crematories (726)
- 782 Shoe repair shops (725)
- 790 Dressmaking shops (part 729)

791 Miscellaneous personal services (722, part 729)

## **ENTERTAINMENT AND RECREATION SERVICES**

800 Theaters and motion pictures (78, 792)

801 Bowling alleys, billiard and pool parlors (793)

802 Miscellaneous entertainment and recreation services (791, 794, 799)

## **PROFESSIONAL AND RELATED SERVICES**

812 Offices of physicians (801, 803)

820 Offices of dentists (802)

821 Offices of chiropractors (8041)

822 Offices of optometrists (8042)

830 Offices of health practitioners, n.e.c. (8049)

831 (K) Hospitals (806)

832 Nursing and personal care facilities (805)

840 Health services, n.e.c. (807, 808, 809)

841 Legal services (81)

842 (L) Elementary and secondary schools (821)

850 (M) Colleges and universities (822)

851 Business, trade, and vocational schools (824)

852 Libraries (823)

860 Educational services, n.e.c. (829)

861 Job training and vocational rehabilitation services (833)

862 Child day care services (835)

870 Residential care facilities, without nursing (836)

871 Social services, n.e.c. (832, 839)

872 Museums, art galleries, and zoos (84)

880 Religious organizations (866)

881 Membership organizations (861-865, 869)

882 Engineering, architectural, and surveying services (891)

890 Accounting, auditing, and bookkeeping services (893)

891 Noncommercial educational and scientific research (892)

892 Miscellaneous professional and related services (899)

## **PUBLIC ADMINISTRATION**

900 Executive and legislative offices (911-913)

901 General government, n.e.c. (919)

910 Justice, public order, and safety (92)

921 Public finance, taxation, and monetary policy (93)

922 Administration of human resources programs (94)

930 Administration of environmental quality and housing programs (95)

931 Administration of economic programs (96)

932 National security and international affairs (97)

991 Member of the Armed Forces