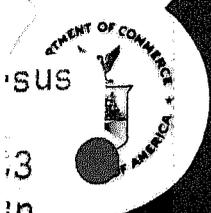
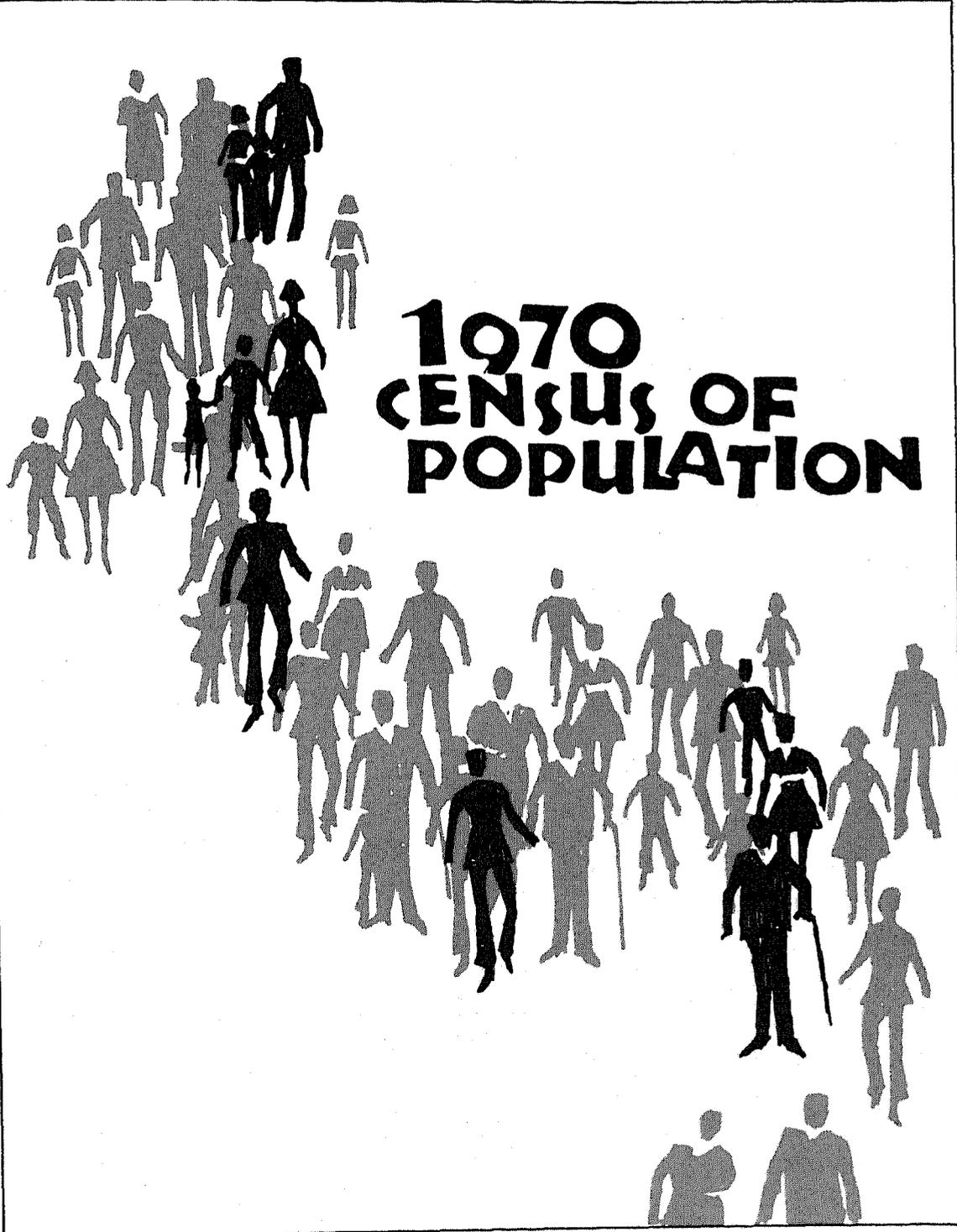


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# Classified Index of Industries and Occupations



## 1970 CENSUS OF POPULATION

U.S.  
DEPARTMENT  
OF COMMERCE  
BUREAU OF  
THE CENSUS

## U.S. DEPARTMENT OF COMMERCE

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CENSUS OF  
POPULATION**

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Classified Index  
of Industries  
and Occupations

Issued September 1971

# INTRODUCTION

## General

This **Classified Index of Industries and Occupations** was developed primarily to define the industrial and occupational classification systems adopted for the 1970 Census of Population. The **Classified Index** presents, for each category in the occupational and industrial classification systems, the individual titles which constitute the particular category. These titles can be considered to be a definition of their respective categories. The same titles are also presented in alphabetical order in the companion volume<sup>1</sup> in the set of the Bureau's industry and occupation classification publications.

The basic content of the 1970 **Classified Index**, like that of prior editions, is largely derived from previous editions. The **Index** presents approximately 19,000 industry and 23,000 occupation titles. These titles represent a comprehensive listing of specific industries and occupations developed historically and maintained continuously by review of Census and survey schedules.

## The Classification Systems

When industrial and occupational information is requested in Censuses and surveys, many thousands of different descriptions will appear on the completed forms. To organize and make understandable this gathered information, a system of homogeneous groupings or classifications must be used. Homogeneous titles are grouped together to form the various categories which comprise the system. Each of these categories is assigned a 3-digit or a single alphabetic code.<sup>2</sup> The Industry and Occupation Classification Systems along with each category's number and letter code is presented starting on page VII. In this **Index** each title is shown in alphabetical order under the code for that category to which it is assigned. This accumulation of all the titles assigned to a category constitutes the definition of the category.

**Industry Classification.** The industrial classification system, as shown beginning on page VII, consists of 215 categories arranged into 14 major groups. The industry codes, which are distinct from those used for occupations, end with digits 7, 8, and 9, or one of the letters A through M. In addition to 215 industry categories shown in this **Index**, the 1970 census computer edit allocated the unreported cases among the major groups. Thus, the classification system includes 14 allocation categories for tabulation purposes.

The **Standard Industrial Classification Manual (SIC)** prepared by the Office of Management and Budget is the standard for industrial classification systems in the United States Government. The system presented here was developed within the framework of the SIC. The display of the system shows the SIC definition for each category.

<sup>1</sup> U.S. Bureau of the Census, 1970 Census of Population **Alphabetical Index of Industries and Occupations**, U.S. Government Printing Office, Washington, D.C. 1971.

<sup>2</sup> There is no classification significance attached to the letter code. It was introduced only as an aid in processing.

**Occupation Classification.** The occupational classification system has 417 separate categories and is grouped into 12 major groups. The listing of this system begins on page X. For occupation, the numeric codes end in digits 0-6 and the letter codes are N through Z. This system also contains 12 allocation categories. There is no government-wide standard system for occupation classification equivalent to the SIC.

## Schedule Items

The following questions were used to collect industry and occupation information in the 1970 Census of Population.

<p><b>33-35. Current or most recent job activity</b></p> <p><i>Describe clearly this person's chief job activity or business last week, if any. If he had more than one job, describe the one at which he worked the most hours.</i></p> <p><i>If this person had no job or business last week, give information for last job or business since 1960.</i></p>
<p><b>33. Industry</b></p> <p><b>a. For whom did he work? If now on active duty in the Armed Forces, print "AF" and skip to question 36.</b></p> <p>-----  <i>(Name of company, business, organization, or other employer)</i></p> <p><b>b. What kind of business or industry was this?</b>  <i>Describe activity at location where employed.</i></p> <p>-----  <i>(For example: junior high school, retail supermarket, dairy farm, TV and radio service, auto assembly plant, road construction)</i></p> <p><b>c. Is this mainly— (Fill one circle)</b></p> <p><input type="radio"/> Manufacturing                      <input type="radio"/> Retail trade  <input type="radio"/> Wholesale trade                      <input type="radio"/> Other (agriculture, construction, service, government, etc.)</p>
<p><b>34. Occupation</b></p> <p><b>a. What kind of work was he doing?</b></p> <p>-----  <i>(For example: TV repairman, sewing machine operator, spray painter, civil engineer, farm operator, farm hand, junior high English teacher)</i></p> <p><b>b. What were his most important activities or duties?</b></p> <p>-----  <i>(For example: Types, keeps account books, files, sells cars, operates printing press, cleans buildings, finishes concrete)</i></p> <p><b>c. What was his job title?</b></p> <p>-----</p>
<p><b>35. Was this person— (Fill one circle)</b></p> <p>Employee of private company, business, or individual, for wages, salary, or commissions... <input type="radio"/></p> <p>Federal government employee ..... <input type="radio"/></p> <p>State government employee ..... <input type="radio"/></p> <p>Local government employee (city, county, etc.)... <input type="radio"/></p> <p>Self-employed in own business, professional practice, or farm—</p> <p>    Own business not incorporated ..... <input type="radio"/></p> <p>    Own business incorporated ..... <input type="radio"/></p> <p>Working without pay in family business or farm <input type="radio"/></p>

All questions relate to the same job. For an employed person, the information referred to the job he held during the reference week (the week prior to completion of the schedule). If he was employed at two or more jobs, the job at which he worked the greatest number of hours during the reference week was to be reported. For experienced unemployed persons, i.e., unemployed persons who have had previous job experience and for those not in the labor force, the information referred to the last job that had been held. Although the response to question 33 is used primarily in coding industry and those found in 34 primarily for coding occupation, in certain cases, all parts are required to determine the proper code. This is explained in further detail later.

#### Coverage

The **Index** lists industry and occupation titles which have been reported in earlier censuses and surveys and covers the bulk of industry and occupation titles in the economy. Sometimes a title may not be listed in the **Index**. There are three main reasons for this: new industries and occupations are constantly being developed, new titles for existing industries and occupations are always arising, and some rare titles are not included in the **Index**.

#### Format of the Index

The **Index** is divided into two sections: the first comprises the listing of industry categories and their component industry titles; the second comprises the occupation categories and their component titles. The industry and occupation categories are shown in the same order as they appear in the classification systems. Within each category the titles are arranged alphabetically. Many titles have various abbreviations and notations following them. These are explained below. However a user will best understand the explanation if he has a copy of the companion volume in the set, the **Alphabetical Index**. This is so because the titles shown here were designed basically for use in the **Alphabetical Index**. The **Alphabetical Index**, presents all titles in alphabetic order and is used primarily for operational classification, i.e., coding of industry and occupation descriptions. In resorting the titles into classified order, some of the original meaning of the lines is not directly evident without reference to the **Alphabetical Index**.

#### Explanation of Industry Titles

- A. **Heading**—The major group title appears in large type on the top of the page. The first category appears in bold type on the top of the first column, preceded by its three digit code. Some industry and occupation categories have a letter code also. If the category has such a letter code it is in parentheses following the numeric code. For example, on page I-1 (the I stands for industry) the heading reads: "AGRICULTURE, FORESTRY, AND FISHERIES," and the first column begins: "017(A) Agriculture production" which is followed by titles which continue until about one third of the second column where the next industry category, "018 Agriculture services, except horticultural."
- B. **Usual Titles**—This "Agricultural services" category begins with the usual presentation of industry titles:

Aerial dusting co.  
Aerial fruit spraying  
Aerial seed sowing  
etc.

- C. **Indented Titles**—A second type of presentation of titles is where they are indented under a caption heading. For instance two titles in "Agricultural production" are:

Fruit  
Orchard  
Stocks growing

Also, under "Agricultural service," there are four titles under the heading "Fruit."

- D. **"Any Not Listed Above"**—On page I-2 under 027 Forestry appears the line "Naval stores, any not listed above." In order to understand the content of this line, and all similar lines, the reader must refer to the **Alphabetical Index** because the restriction of "any not listed above" refers to the preceding lines in that **Index**. For example on page I-91 of the **Alphabetical Index** one finds the lines:

Naval stores (mfg)  
Naval stores (whsl)  
Naval stores, any not listed above

Thus the last line is to be used only for entries of "Naval stores" that are not manufacturing or wholesale. Similar terminology is "Mfg, not listed above." An example of this is "Bearings, any not listed above (mfg)" found under "197 Machinery, except electrical, n.e.c."

- E. **Abbreviations Following Industry Titles**—The following abbreviations are used in the listing of industry titles and are considered an essential part of the title so qualified:

(Const.)—for construction  
(Mfg.)—for manufacturing  
(Ret.)—for retail trade  
(Whsl.)—for wholesale trade  
(Ext.)—for extraction (i.e., mining, etc.)

#### Explanation of Occupation Titles

- A. **Headings**—Like industry headings, major occupation group titles appear in large type at the top of the page. The first occupation category appears in bold type at the top of the first column. For example, on page O-1 (the O stands for occupation) the heading reads "PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS," and the first column begins "001 Accountants."
- B. **Occupation Titles**—Some occupation titles are unique and can be classified without additional information. At other times, the occupation category can be determined only by taking into consideration the combination of the occupation title, the classification of the industry, and the class of worker. The same occupation title is sometimes applied to entirely different kinds of work in different industries and different classes of worker.

Occupation titles along with these relationships are illustrated below.

C. **Occupation Titles That Are Independent**—Titles appearing alone indicate that any such occupation is classified into the specific category. For example, the category "001 Accountants" begins with the occupation titles:

Account auditor  
Accountant  
etc.

This means that any occupation return of "Account auditor" or "Accountant" is included in the category "001 Accountants."

D. **Occupation Titles With Industry and/or Class of Worker**—This relationship indicates that a schedule return of the given occupation title is classified into the particular category only if its accompanying industry and/or class of worker meets the stated limitation. There are a number of types of these relationships. In all cases the occupation title is listed first followed by the relationship on its right.

These limitations appear in the following forms:

1. Title followed by a single industry code.  
This indicates that the occupation title is included in the particular category only if the accompanying industry return on the schedule is covered by the given industry code. For example, the listing "Blending coordinator—377" in the category "010 Chemical engineers" means that this category includes only those occupation returns of "Blending coordinator" whose accompanying industry entry has been classified "377 Petroleum refining."

2. Title followed by a range of industry codes.  
Here, the occupation title is included in the particular category only if the accompanying industry return falls within the given industry range. For example, the listing "Analyst—047-057" in the category "045 Chemists" means the occupation category "Chemists" includes only those occupations of "Analyst" whose accompanying industry falls within the industry code range 047-057.

3. Title followed by several industry codes.  
In identical fashion as the industry range, the accompanying return must be covered by one of the several codes given. For example, the listing "Diet supervisor—J,839,848" in the category "074 Dietitians" means that this category includes only those occupation returns of "Diet supervisor" whose accompanying industry entry is coded either J, or 839, or 848."

4. Title followed by a schedule entry.  
This means that the occupation title is included in the particular category only if the accompanying industry entry on the schedule is the same as the one given. For example, the listing "Observer—U.S. Forest Service 027" in the category "025 Foresters and conservationists" means that this category included occupation returns of "Observer" only if the industry entry on the schedule return is "U.S. Forest Service." Code 027 is the industry code for U.S. Forest Service. In all like cases, the appropriate industry code will accompany the schedule entry.

5. Title followed by a class of worker abbreviation.

Other occupation lines are restricted as to the class of worker allowed. If the class of worker following an occupation title does not apply to an individual, that line cannot be used for the case. The classes of worker and their abbreviations as found in the Index follow.

Class of Worker	Abbreviation
Working for a private company, business or individual for wages, salary, or commission	PR
Working for Federal, State, or Local government	GOV
In own business, professional practice or farm (incorporated and not incorporated)	OWN
Without pay in a family business or farm	WP

An example of a class of worker restriction is the first title under "056 Personnel and labor relations workers" which is "Adjuster-arbitrator—PR."

6. Title followed by a class of worker and industry code.

Most of the occupation lines that have a class of worker restriction also have an industry restriction. Both must apply to the case being coded before the line can be used.

E. **"Any Not Listed Above"**—As for industry there are occupation titles followed by "any not listed above" or "mfg, any not listed above." As pointed out in the description of the industry titles, when this phrase follows a title, reference must be made to the **Alphabetical Index** to know what lines precede this residual line which will reveal what is excluded from this line. Included under the "Engineer" caption head found in the list of titles for "013 Industrial engineer" are the lines, "Plant—Mfg. not listed above" and "Safety—Any not listed above."

F. Some occupation titles are followed by industry codes that are not restrictions to the occupation, but aids to industry coding. These are of two types:

1. An industry code in parentheses indicates that the occupation is predominantly in the given industry. Therefore if the industry is not reported, and the occupation entry has an industry shown in parentheses, the coder is instructed to assign that industry to the case. An example of this is: "Certified accountant—(889)" found under "001 Accountants." Industry code 889 is for "Accounting, auditing, and bookkeeping services."

2. Other occupation lines are followed by an industry code in bold italics. This symbol is used when an occupation is restricted to one industry. For such cases, if a coder finds such an entry, and the industry was given any code other than the one in bold italics, or the industry was blank, the industry is to be changed to the code given. An

example of this type of entry is "Bank accountant-707" found under "001 Accountants." The industry code 707 is for "Banking."

- G. At the end of the indented titles following a caption head, one may find the title N.s. followed by an industry restriction. This N.s. stands for not specified. Thus, the line Engineer, N.s.—227 found under "006 Aeronautical and astronautical engineers" means that an engineer who did not specify the particular kind of engineer and who is working in industry 227 is to be included in occupation 006.

#### Allocation Categories

The Classification Systems include allocation categories. In any census or sample survey some respondents do not report the

requested information. In the 1970 census the coders did not enter any code for blank cases. In the computer processing if the case should have a code, an allocation code was assigned based on other reported characteristics. Allocation was done to the major group level; that is, there is an allocation category for each major group.

#### Census Coding and Instruction Service

The Bureau of the Census does industry and occupation coding for other government and private agencies on a fee basis to the extent its work requirements permit. Where special conditions require, coding instruction may be provided under similar arrangements. Inquiries about this service should be sent to Chief, Population Division, Bureau of the Census, Washington, D.C. 20233.

## INDUSTRIAL CLASSIFICATION SYSTEM

Equivalent alphabetic codes follow some codes. Either code may be utilized, depending upon the processing method. Numbers in parentheses following the industry categories are the SIC definitions. "N.e.c." means "not elsewhere classified."

Industry Code	AGRICULTURE, FORESTRY, AND FISHERIES	Industry Code	MANUFACTURING—Continued
017 (A)	Agricultural production (01)	168	Miscellaneous fabricated metal products (341, 343, 347, 348, 349)
018	Agricultural services, except horticultural (07 except 0713 and 073)	169	Not specified metal industries
019	Horticultural services (073)		Machinery, except electrical
027	Forestry (08)	177	Engines and turbines (351)
028	Fisheries (09)	178	Farm machinery and equipment (352)
	<b>MINING</b>	179	Construction and material handling machines (353)
047	Metal mining (10)	187	Metalworking machinery (354)
048	Coal mining (11, 12)	188	Office and accounting machines (357 except 3573)
049	Crude petroleum and natural gas extractions (13)	189	Electronic computing equipment (3573)
057	Nonmetallic mining and quarrying, except fuel (14)	197	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
	<b>CONSTRUCTION</b>	198	Not specified machinery
067	General building contractors (15)	199	Electrical machinery, equipment, and supplies
068	General contractors, except building (16)	207	Household appliances (363)
069 (B)	Special trade contractors (17)	208	Radio, T.V., and communication equipment (365, 366)
077	Not specified construction	209	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
	<b>MANUFACTURING</b>		Not specified electrical machinery, equipment, and supplies
	<u>Durable goods</u>	219	Transportation equipment
	Lumber and wood products, except furniture	227	Motor vehicles and motor vehicle equipment (371)
107	Logging (241)	228	Aircraft and parts (372)
108	Sawmills, planing mills, and mill work (242, 243)	229	Ship and boat building and repairing (373)
109	Miscellaneous wood products (244, 249)	237	Railroad locomotives and equipment (374)
118	Furniture and fixtures (25)	238	Mobile dwellings and campers (3791)
	Stone, clay, and glass products		Cycles and miscellaneous transportation equipment (375, 3799)
119	Glass and glass products (321-323)	239	Professional and photographic equipment, and watches
127	Cement, concrete, gypsum, and plaster products (324, 327)	247	Scientific and controlling instruments (381, 382)
128	Structural clay products (325)	248	Optical and health services supplies (383, 384, 385)
137	Pottery and related products (326)	249	Photographic equipment and supplies (386)
138	Miscellaneous nonmetallic mineral and stone products (328, 329)	257	Watches, clocks, and clockwork-operated devices (387)
	Metal industries	258	Not specified professional equipment
139	Blast furnaces, steel works, rolling and finishing mills (3312, 3313)	259	Ordnance (19)
147	Other primary iron and steel industries (3315-3317, 332, 3391, part 3399)		Miscellaneous manufacturing industries (39)
148	Primary aluminum industries (3334, part 334, 3352, 3361, part 3392, part 3399)		<u>Nondurable goods</u>
149	Other primary nonferrous industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, part 3392, part 3399)	268	Food and kindred products
157	Cutlery, hand tools, and other hardware (342)	269	Meat products (201)
158	Fabricated structural metal products (344)	278	Dairy products (202)
159	Screw machine products (345)		Canning and preserving fruits, vegetables, and sea foods (203)
167	Metal stamping (346)	279	Grain-mill products (204, 0713)
		287	Bakery products (205)
		288	Confectionery and related products (207)

Industry Code	MANUFACTURING—Continued
289	Beverage industries (208)
297	Miscellaneous food preparation and kindred products (206, 209)
298	Not specified food industries
299	Tobacco manufactures (21)
	Textile mill products
307	Knitting mills (225)
308	Dyeing and finishing textiles, except wool and knit goods (226)
309	Floor coverings, except hard surface (227)
317	Yarn, thread, and fabric mills (221-224, 228)
318	Miscellaneous textile mill products (229)
	Apparel and other fabricated textile products
319 (C)	Apparel and accessories (231-238)
327	Miscellaneous fabricated textile products (239)
	Paper and allied products
328	Pulp, paper, and paperboard mills (261-263, 266)
329	Miscellaneous paper and pulp products (264)
337	Paperboard containers and boxes (265)
	Printing, publishing, and allied industries
338	Newspaper publishing and printing (271)
339	Printing, publishing, and allied industries, except newspapers (272-279)
	Chemicals and allied products
347	Industrial chemicals (281)
348	Plastics, synthetics and resins, except fibers (282, except 2823 and 2824)
349	Synthetic fibers (2823, 2824)
357	Drugs and medicines (283)
358	Soaps and cosmetics (284)
359	Paints, varnishes, and related products (285)
367	Agricultural chemicals (287)
368	Miscellaneous chemicals (286, 289)
369	Not specified chemicals and allied products
	Petroleum and coal products
377	Petroleum refining (291)
378	Miscellaneous petroleum and coal products (295, 299)
	Rubber and miscellaneous plastic products
379	Rubber products (301-303, 306)
387	Miscellaneous plastic products (307)
	Leather and leather products
388	Tanned, curried, and finished leather (311)
389	Footwear, except rubber (313, 314)
397	Leather products, except footwear (312, 315-317, 319)
398	<u>Not specified manufacturing industries</u>

**TRANSPORTATION, COMMUNICATIONS, AND  
OTHER PUBLIC UTILITIES**

Transportation

407 (D)	Railroads and railway express service (40)
408	Street railways and bus lines (411, 413-415, 417)
409	Taxicab service (412)
417	Trucking service (421, 423)
418	Warehousing and storage (422)
419	Water transportation (44)
427	Air transportation (45)
428	Pipe lines, except natural gas (46)
429	Services incidental to transportation (47)

**Industry Code    TRANSPORTATION, COMMUNICATIONS, AND  
OTHER PUBLIC UTILITIES—Continued**

Communications

447	Radio broadcasting and television (483)
448	Telephone (wire and radio) (481)
449	Telegraph and miscellaneous communication services (482, 489)

Utilities and sanitary services

467	Electric light and power (491)
468	Electric-gas utilities (493)
469	Gas and steam supply systems (492, 496)
477	Water supply (494)
478	Sanitary services (495)
479	Other and not specified utilities (497)

**WHOLESALE AND RETAIL TRADE**

Wholesale trade

507	Motor vehicles and equipment (501)
508	Drugs, chemicals, and allied products (502)
509	Dry goods and apparel (503)
527	Food and related products (504)
528	Farm products—raw materials (505)
529	Electrical goods (506)
537	Hardware, plumbing, and heating supplies (507)
538	Not specified electrical and hardware products
539	Machinery equipment and supplies (508)
557	Metals and minerals, n.e.c. (5091)
558	Petroleum products (5092)
559	Scrap and waste materials (5093)
567	Alcoholic beverages (5095)
568	Paper and its products (5096)
569	Lumber and construction materials (5098)
587	Wholesalers, n.e.c. (5094, 5097, 5099)
588	Not specified wholesale trade

Retail trade

607	Lumber and building material retailing (521-524)
608	Hardware and farm equipment stores (525)
609 (E)	Department and mail order establishments (531, 532)
617	Limited price variety stores (533)
618	Vending machine operators (534)
619	Direct selling establishments (535)
627	Miscellaneous general merchandise stores (539)
628 (F)	Grocery stores (541)
629	Dairy products stores (545)
637	Retail bakeries (546)
638	Food stores, n.e.c. (542-544, 549)
639	Motor vehicle dealers (551, 552)
647	Tire, battery, and accessory dealers (553)
648	Gasoline service stations (554)
649	Miscellaneous vehicle dealers (559)
657	Apparel and accessories stores, except shoe stores (56 except 566)
658	Shoe stores (566)
667	Furniture and home furnishings stores (571)
668	Household appliances, TV, and radio stores (572, 573)
669 (G)	Eating and drinking places (58)
677	Drug stores (591)

**Industry Code**      **WHOLESALE AND RETAIL TRADE—Continued**

Retail trade—Continued

678      Liquor stores (592)  
 679      Farm and garden supply stores (596)  
 687      Jewelry stores (597)  
 688      Fuel and ice dealers (598)  
 689      Retail florists (5992)  
 697      Miscellaneous retail stores (593-595, 599 exc. 5992)  
 698      Not specified retail trade

**FINANCE, INSURANCE, AND REAL ESTATE**

707      Banking (60)  
 708      Credit agencies (61)  
 709      Security, commodity brokerage, and investment companies (62, 67)  
 717      Insurance (63, 64)  
 718      Real estate, incl. real estate-insurance-law offices (65, 66)

**BUSINESS AND REPAIR SERVICES**

727      Advertising (731)  
 728      Services to dwellings and other buildings (734)  
 729      Commercial research, development, and testing labs (7391, 7397)  
 737      Employment and temporary help agencies (736, 7398)  
 738      Business management and consulting services (part 7392)  
 739      Computer programming services (part 7392)  
 747      Detective and protective services (7393)  
 748      Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)  
 749      Automobile services, except repair (751, 752, 754)  
 757      Automobile repair and related services (753)  
 758      Electrical repair shops (762, 7694)  
 759      Miscellaneous repair services (763, 764, 769, except 7694)

**PERSONAL SERVICES**

769 (H)      Private households (88)  
 777      Hotels and motels (701)  
 778      Lodging places, except hotels and motels (702, 703, 704)  
 779      Laundering, cleaning, and other garment services (721, 727)  
 787      Beauty shops (723)  
 788      Barber shops (724)  
 789      Shoe repair shops (725)  
 797      Dressmaking shops (part 729)  
 798      Miscellaneous personal services (722, 726, part 729)

**ENTERTAINMENT AND RECREATION SERVICES**

807      Theaters and motion pictures (78, 792)  
 808      Bowling alleys, billiard and pool parlors (793)  
 809      Miscellaneous entertainment and recreation services (791, 794)

**Industry Code**      **PROFESSIONAL AND RELATED SERVICES**

828      Offices of physicians (801, 803)  
 829      Offices of dentists (802)  
 837      Offices of chiropractors (804)  
 838 (J)      Hospitals (806)  
 839      Convalescent institutions (8092)  
 847      Offices of health practitioners, n.e.c. (part 8099)  
 848      Health services, n.e.c. (807, part 8099)  
 849      Legal services (81)  
 857 (K)      Elementary and secondary schools (821)  
 858      Colleges and universities (822)  
 859      Libraries (823)  
 867      Educational services, n.e.c. (824, 829)  
 868      Not specified educational services  
 869      Museums, art galleries, and zoos (84)  
 877      Religious organizations (866)  
 878      Welfare services (part 867)  
 879      Residential welfare facilities (part 867)  
 887      Nonprofit membership organizations (861-865, 869)  
 888      Engineering and architectural services (891)  
 889      Accounting, auditing, and bookkeeping services (893)  
 897      Miscellaneous professional and related services (892, 899)

**PUBLIC ADMINISTRATION**

907      Postal service (part 9190)  
 917 (L)      Federal public administration (part 9190, 9490)  
 927      State public administration (9290)  
 937 (M)      Local public administration (9390)

**999      INDUSTRY NOT REPORTED<sup>1</sup>**

**ALLOCATION CATEGORIES<sup>2</sup>**

029      Agriculture, forestry, and fisheries—allocated  
 058      Mining—allocated  
 078      Construction—allocated  
 267      Manufacturing, durable goods—allocated  
 399      Manufacturing, nondurable goods—allocated  
 499      Transportation, communications, and other public utilities—allocated  
 599      Wholesale trade—allocated  
 699      Retail trade—allocated  
 719      Finance, insurance, and real estate—allocated  
 767      Business and repair services—allocated  
 799      Personal services—allocated  
 817      Entertainment and recreation services—allocated  
 899      Professional and related services—allocated  
 947      Public administration—allocated

<sup>1</sup>This code is used to identify not reported industries in surveys where the not reported cases are not allocated.

<sup>2</sup>Those returns from the Population Census which do not have an industry entry are allocated among the major industry groups during computer processing. These cases are labeled with the code for the "allocation" category to which they are assigned. (See text, page VI).

## OCCUPATIONAL CLASSIFICATION SYSTEM

Equivalent alphabetic codes follow some codes. Either code may be utilized, depending on the processing method. "N.e.c." means "not elsewhere classified."

Occupation Code	PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS	Occupation Code	PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS—Continued
001	Accountants		Nurses, dietitians, and therapists
002	Architects	074	Dietitians
	Computer specialists	075	Registered nurses
003	Computer programmers	076	Therapists
004	Computer systems analysts		Health technologists and technicians
005	Computer specialists, n.e.c.	080	Clinical laboratory technologists and technicians
	Engineers	081	Dental hygienists
006	Aeronautical and astronautical engineers	082	Health record technologists and technicians
010	Chemical engineers	083	Radiologic technologists and technicians
011	Civil engineers	084	Therapy assistants
012	Electrical and electronic engineers	085	Health technologists and technicians, n.e.c.
013	Industrial engineers		Religious workers
014	Mechanical engineers	086	Clergymen
015	Metallurgical and materials engineers	090	Religious workers, n.e.c.
020	Mining engineers		Social scientists
021	Petroleum engineers	091	Economists
022	Sales engineers	092	Political scientists
023	Engineers, n.e.c.	093	Psychologists
024	Farm management advisors	094	Sociologists
025	Foresters and conservationists	095	Urban and regional planners
026	Home management advisors	096	Social scientists, n.e.c.
	Lawyers and judges		Social and recreation workers
030	Judges	100	Social workers
031	Lawyers	101	Recreation workers
	Librarians, archivists, and curators		Teachers, college and university
032	Librarians	102	Agriculture teachers
033	Archivists and curators	103	Atmospheric, earth, marine, and space teachers
	Mathematical specialists	104	Biology teachers
034	Actuaries	105	Chemistry teachers
035	Mathematicians	110	Physics teachers
036	Statisticians	111	Engineering teachers
	Life and physical scientists	112	Mathematics teachers
042	Agricultural scientists	113	Health specialties teachers
043	Atmospheric and space scientists	114	Psychology teachers
044	Biological scientists	115	Business and commerce teachers
045	Chemists	116	Economics teachers
051	Geologists	120	History teachers
052	Marine scientists	121	Sociology teachers
053	Physicists and astronomers	122	Social science teachers, n.e.c.
054	Life and physical scientists, n.e.c.	123	Art, drama, and music teachers
055	Operations and systems researchers and analysts	124	Coaches and physical education teachers
056	Personnel and labor relations workers	125	Education teachers
	Physicians, dentists, and related practitioners	126	English teachers
061	Chiropractors	130	Foreign language teachers
062	Dentists	131	Home economics teachers
063	Optometrists	132	Law teachers
064	Pharmacists	133	Theology teachers
065	Physicians, medical and osteopathic	134	Trade, industrial, and technical teachers
071	Podiatrists	135	Miscellaneous teachers, college and university
072	Veterinarians	140	Teachers, college and university, subject not specified
073	Health practitioners, n.e.c.		

Occupation Code	PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS—Continued
	Teachers, except college and university
141	Adult education teachers
142 (N)	Elementary school teachers
143	Prekindergarten and kindergarten teachers
144	Secondary school teachers
145	Teachers, except college and university, n.e.c.
	Engineering and science technicians
150	Agriculture and biological technicians, except health
151	Chemical technicians
152	Draftsmen
153	Electrical and electronic engineering technicians
154	Industrial engineering technicians
155	Mechanical engineering technicians
156	Mathematical technicians
161	Surveyors
162	Engineering and science technicians, n.e.c.
	Technicians, except health, and engineering and science
163	Airplane pilots
164	Air traffic controllers
165	Embalmers
170	Flight engineers
171	Radio operators
172	Tool programmers, numerical control
173	Technicians, n.e.c.
174	Vocational and educational counselors
	Writers, artists, and entertainers
175	Actors
180	Athletes and kindred workers
181	Authors
182	Dancers
183	Designers
184	Editors and reporters
185	Musicians and composers
190	Painters and sculptors
191	Photographers
192	Public relations men and publicity writers
193	Radio and television announcers
194	Writers, artists, and entertainers, n.e.c.
195	Research workers, not specified
	<b>MANAGERS AND ADMINISTRATORS, EXCEPT FARM</b>
201	Assessors, controllers, and treasurers; local public administration
202	Bank officers and financial managers
203	Buyers and shippers, farm products
205	Buyers, wholesale and retail trade
210	Credit men
211	Funeral directors
212	Health administrators
213	Construction inspectors, public administration
215	Inspectors, except construction, public administration
216	Managers and superintendents, building
220	Office managers, n.e.c.
221	Officers, pilots, and pursers; ship
222	Officials and administrators; public administration, n.e.c.
223	Officials of lodges, societies, and unions
224	Postmasters and mail superintendents
225	Purchasing agents and buyers, n.e.c.
226	Railroad conductors

Occupation Code	MANAGERS AND ADMINISTRATORS, EXCEPT FARM—Continued
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230	Restaurant, cafeteria, and bar managers
231	Sales managers and department heads, retail trade
233	Sales managers, except retail trade
235	School administrators, college
240	School administrators, elementary and secondary
245	Managers and administrators, n.e.c.

**SALES WORKERS**

260	Advertising agents and salesmen
261	Auctioneers
262	Demonstrators
264	Hucksters and peddlers
265	Insurance agents, brokers, and underwriters
266	Newsboys
270	Real estate agents and brokers
271	Stock and bond salesmen
280	Salesmen and sales clerks, n.e.c. <sup>1</sup>

**CLERICAL AND KINDRED WORKERS**

301	Bank tellers
303	Billing clerks
305 (P)	Bookkeepers
310	Cashiers
311	Clerical assistants, social welfare
312	Clerical supervisors, n.e.c.
313	Collectors, bill and account
314	Counter clerks, except food
315	Dispatchers and starters, vehicle
320	Enumerators and interviewers
321	Estimators and investigators, n.e.c.
323	Expeditors and production controllers
325	File clerks
326	Insurance adjusters, examiners, and investigators
330	Library attendants and assistants
331	Mail carriers, post office
332	Mail handlers, except post office
333	Messengers and office boys
334	Meter readers, utilities
	Office machine operators
341	Bookkeeping and billing machine operators
342	Calculating machine operators
343	Computer and peripheral equipment operators
344	Duplicating machine operators

<sup>1</sup>Category "280 Salesmen and sales clerks, n.e.c." was subdivided in the Census into 5 occupation groups dependent on industry. The industry codes are shown in parentheses.

Occ. Code	
281	Sales representatives, manufacturing industries (Ind. 107-399)
282	Sales representatives, wholesale trade (Ind. 017-058, 507-599)
283	Sales clerks, retail trade (Ind. 608-699 except 618, 639, 649, 667, 668, 688)
284	Salesmen, retail trade (Ind. 607, 618, 639, 649, 667, 668, 688)
285	Salesmen of services and construction (Ind. 067-078, 407-499, 707-947)

Occupation Code CLERICAL AND KINDRED WORKERS—Continued

Office machine operators—Continued

345	Key punch operators
350	Tabulating machine operators
355	Office machine operators, n.e.c.
360	Payroll and timekeeping clerks
361	Postal clerks
362	Proofreaders
363	Real estate appraisers
364	Receptionists
	Secretaries
370	Secretaries, legal
371	Secretaries, medical
372 (Q)	Secretaries, n.e.c.
374	Shipping and receiving clerks
375	Statistical clerks
376	Stenographers
381	Stock clerks and storekeepers
382	Teacher aides, exc. school monitors
383	Telegraph messengers
384	Telegraph operators
385	Telephone operators
390	Ticket, station, and express agents
391	Typists
392	Weighers
394	Miscellaneous clerical workers
395	Not specified clerical workers

CRAFTSMEN AND KINDRED WORKERS

401	Automobile accessories installers
402	Bakers
403	Blacksmiths
404	Boilermakers
405	Bookbinders
410	Brickmasons and stonemasons
411	Brickmasons and stonemasons, apprentices
412	Bulldozer operators
413	Cabinetmakers
415 (R)	Carpenters
416	Carpenter apprentices
420	Carpet installers
421	Cement and concrete finishers
422	Compositors and typesetters
423	Printing trades apprentices, exc. pressmen
424	Cranemen, derrickmen, and hoistmen
425	Decorators and window dressers
426	Dental laboratory technicians
430	Electricians
431	Electrician apprentices
433	Electric power linemen and cablemen
434	Electrotypers and stereotypers
435	Engravers, exc. photoengravers
436	Excavating, grading, and road machine operators; exc. bulldozer
440	Floor layers, exc. tile setters
441	Foremen, n.e.c.
442	Forgemen and hammermen
443	Furniture and wood finishers
444	Furriers
445	Glaziers
446	Heat treaters, annealers, and temperers
450	Inspectors, scalers, and graders; log and lumber
452	Inspectors, n.e.c.

Occupation Code CRAFTSMEN AND KINDRED WORKERS—Continued

453	Jewelers and watchmakers
454	Job and die setters, metal
455	Locomotive engineers
456	Locomotive firemen
461	Machinists
462	Machinist apprentices
	Mechanics and repairmen
470	Air conditioning, heating, and refrigeration
471	Aircraft
472	Automobile body repairmen
473 (S)	Automobile mechanics
474	Automobile mechanic apprentices
475	Data processing machine repairmen
480	Farm implement
481	Heavy equipment mechanics, incl. diesel
482	Household appliance and accessory installers and mechanics
	Loom fixers
483	Office machine
484	Radio and television
485	Radio and television
486	Railroad and car shop
491	Mechanic, exc. auto, apprentices
492	Miscellaneous mechanics and repairmen
495	Not specified mechanics and repairmen
501	Millers; grain, flour, and feed
502	Millwrights
503	Molders, metal
504	Molder apprentices
505	Motion picture projectionists
506	Opticians, and lens grinders and polishers
510	Painters, construction and maintenance
511	Painter apprentices
512	Paperhangers
514	Pattern and model makers, exc. paper
515	Photoengravers and lithographers
516	Piano and organ tuners and repairmen
520	Plasterers
521	Plasterer apprentices
522	Plumbers and pipe fitters
523	Plumber and pipe fitter apprentices
525	Power station operators
530	Pressmen and plate printers, printing
531	Pressman apprentices
533	Rollers and finishers, metal
534	Roofers and slaters
535	Sheetmetal workers and tinsmiths
536	Sheetmetal apprentices
540	Shipfitters
542	Shoe repairmen
543	Sign painters and letterers
545	Stationary engineers
546	Stone cutters and stone carvers
550	Structural metal craftsmen
551	Tailors
552	Telephone installers and repairmen
554	Telephone linemen and splicers
560	Tile setters
561	Tool and die makers
562	Tool and die maker apprentices
563	Upholsterers
571	Specified craft apprentices, n.e.c.
572	Not specified apprentices

Occupation Code	CRAFTSMEN AND KINDRED WORKERS-- Continued
575	Craftsmen and kindred workers, n.e.c.
580	Former members of the Armed Forces
<b>OPERATIVES, EXCEPT TRANSPORT</b>	
601	Asbestos and insulation workers
602 (T)	Assemblers
603	Blasters and powdermen
604	Bottling and canning operatives
605	Chainmen, rodmen, and axmen; surveying
610	Checkers, examiners, and inspectors; manufacturing
611	Clothing ironers and pressers
612	Cutting operatives, n.e.c.
613	Dressmakers and seamstresses, except factory
614	Drillers, earth
615	Dry wall installers and lathers
620	Dyers
621	Filers, polishers, sanders, and buffers
622	Furnacemen, smeltermen, and pourers
623	Garage workers and gas station attendants
624	Graders and sorters, manufacturing
625	Produce graders and packers, except factory and farm
626	Heaters, metal
630	Laundry and dry cleaning operatives, n.e.c.
631	Meat cutters and butchers, exc. manufacturing
633	Meat cutters and butchers, manufacturing
634	Meat wrappers, retail trade
635	Metal platers
636	Milliners
640	Mine operatives, n.e.c.
641	Mixing operatives
642	Oilers and greasers, exc. auto
643	Packers and wrappers, except meat and produce
644	Painters, manufactured articles
645	Photographic process workers
	Precision machine operatives
650	Drill press operatives
651	Grinding machine operatives
652	Lathe and milling machine operatives
653	Precision machine operatives, n.e.c.
656	Punch and stamping press operatives
660	Riveters and fasteners
661	Sailors and deckhands
662	Sawyers
663	Sewers and stitchers
664	Shoemaking machine operatives
665	Solderers
666	Stationary firemen
	Textile operatives
670	Carding, lapping, and combing operatives
671	Knitters, loopers, and toppers
672	Spinners, twistors, and winders
673	Weavers
674	Textile operatives, n.e.c.
680	Welders and flame-cutters
681	Winding operatives, n.e.c.
690	Machine operatives, miscellaneous specified
692	Machine operatives, not specified
694	Miscellaneous operatives
695	Not specified operatives

Occupation Code	TRANSPORT EQUIPMENT OPERATIVES
701	Boatmen and canalmen
703	Bus drivers
704	Conductors and motormen, urban rail transit
705	Deliverymen and routemen
706	Fork lift and tow motor operatives
710	Motormen; mine, factory, logging camp, etc.
711	Parking attendants
712	Railroad brakemen
713	Railroad switchmen
714	Taxicab drivers and chauffeurs
715 (U)	Truck drivers
<b>LABORERS, EXCEPT FARM</b>	
740	Animal caretakers, exc. farm
750	Carpenters' helpers
751 (V)	Construction laborers, exc. carpenters' helpers
752	Fishermen and oystermen
753	Freight and material handlers
754	Garbage collectors
755	Gardeners and groundskeepers, exc. farm
760	Longshoremen and stevedores
761	Lumbermen, raftsmen, and woodchoppers
762	Stock handlers
763	Teamsters
764	Vehicle washers and equipment cleaners
770	Warehousemen, n.e.c.
780	Miscellaneous laborers
785	Not specified laborers
<b>FARMERS AND FARM MANAGERS</b>	
801 (W)	Farmers (owners and tenants)
802	Farm managers
<b>FARM LABORERS AND FARM FOREMEN</b>	
821	Farm foremen
822	Farm laborers, wage workers
823	Farm laborers, unpaid family workers
824	Farm service laborers, self-employed
<b>SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD</b>	
Cleaning service workers	
901	Chambermaids and maids, except private household
902	Cleaners and charwomen
903 (X)	Janitors and sextons
Food service workers	
910	Bartenders
911	Busboys
912	Cooks, except private household
913	Dishwashers
914	Food counter and fountain workers
915 (Y)	Waiters
916	Food service workers, n.e.c., except private household

Occu- pation Code	SERVICE WORKERS, EXC. PRIVATE HOUSEHOLD—Continued
	Health service workers
921	Dental assistants
922	Health aides, exc. nursing
923	Health trainees
924	Lay midwives
925	Nursing aides, orderlies, and attendants
926	Practical nurses
	Personal service workers
931	Airline stewardesses
932	Attendants, recreation and amusement
933	Attendants, personal service, n.e.c.
934	Baggage porters and bellhops
935	Barbers
940	Boarding and lodging house keepers
941	Bootblacks
942	Child care workers, exc. private household
943	Elevator operators
944	Hairdressers and cosmetologists
945	Personal service apprentices
950	Housekeepers, exc. private household
952	School monitors
953	Ushers, recreation and amusement
954	Welfare service aides
	Protective service workers
960	Crossing guards and bridge tenders
961	Firemen, fire protection
962	Guards and watchmen
963	Marshals and constables
964	Policemen and detectives
965	Sheriffs and bailiffs

Occu- pation Code	PRIVATE HOUSEHOLD WORKERS
980	Child care workers, private household
981	Cooks, private household
982	Housekeepers, private household
983	Laundresses, private household
984 (Z)	Maids and servants, private household
995	OCCUPATION NOT REPORTED <sup>2</sup>
	ALLOCATION CATEGORIES <sup>3</sup>
196	Professional, technical, and kindred workers—allocated
246	Managers and administrators, except farm—allocated
296	Sales workers—allocated
396	Clerical and kindred workers—allocated
586	Craftsmen and kindred workers—allocated
696	Operatives, except transport—allocated
726	Transport equipment operatives—allocated
796	Laborers, except farm—allocated
806	Farmers and farm managers—allocated
846	Farm laborers and farm foremen—allocated
976	Service workers, exc. private household—allocated
986	Private household workers—allocated

<sup>2</sup>This code is used to identify not reported occupations in surveys where the not reported cases are not allocated.

<sup>3</sup>Those returns from the Population Census which do not have an occupation entry are allocated among the major occupation groups during computer processing. These cases are labeled with the code for the "allocation" category to which they are assigned. (See text, page VI).