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TM 12-405

WAR DEPARTMENT TECHNICAL MANUAL

OFFICER CLASSIFICATION— COMMISSIONED AND WARRANT: CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

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WAR DEPARTMENT OCTOBER 1943

TECHNICAL MANUAL

OFFICER CLASSIFICATION—COMMISSIONED AND
WARRANT: CLASSIFICATION AND CODING
OF CIVILIAN OCCUPATIONS

CHANGES } WAR DEPARTMENT,
No. 1 } WASHINGTON 25, D. C., 5 June 1944.

TM 12-405, 30 October 1943, is changed as follows:

Title page and page 1, change "This manual, together with TM 12-206, 30 October 1943 and TM 12-207, 30 October 1943," etc. to read "This manual, together with TM 12-406, 30 October 1943 and TM 12-407, 30 October 1943," etc.

Figure 1, page 2, under instruction for use of second digit, codes 8 and 9, change "(See par. 9)" to read "(See par. 5)."

Paragraph 8, page 4, is superseded by the following:

8. COLLEGE STUDENTS AND THOSE WITHOUT OCCUPATIONAL EXPERIENCE. a. College or professional school students in the following categories who have had no occupational experience will be coded in Group "B" under the area and field of specialization in which they studied:

(1) Students who participated in or completed the last year of a prescribed program of instruction. (Whenever the words "fourth year" appear in this manual, they shall be interpreted to mean the last year of a prescribed program of instruction.)

Examples:

(a) An officer who was in his fourth year of college and who majored in Radio Engineering will be coded 47.997 (the last three digits of the code will be "997" when there is no specialization within the area).

(b) An officer who graduated from college and who majored in Electrical Engineering and specialized in Telephone Communications will be coded 51.970 (the middle or third digit "9" is always used for students regardless of any other function assigned to this number).

(c) An officer who is an ASTP graduate in Mechanical Engineering will be coded 52.997.

(d) An officer who was in his last year of a 3-year course in Pharmacology will be coded 23.997.

(e) An officer who has completed or who has participated in the last year of a premedical, pre-dental, or pre-veterinary course or who has partially completed a course leading to a degree in any of these professional fields will be coded 13.997.

(f) An officer who has completed or who has participated in the last year of a pre-law course or who has completed less than 1 year in law school will be coded 00.997.

(2) *Graduate school students.*

Example: An officer who has completed a regular 4-year college program and who has completed at least 1 year of graduate study with specialization in Public Finance will be coded 60.940, whereas one who has studied in the field of economics without any further specialization will be coded 60.997.

b. Officers who have had 3 years or less of a normal 4-year college program and those who have not matriculated in the last year of shorter term programs and who have had *no full time occupational experience* will be coded 00.999.

Paragraph 2, page 9, last line under *A Industries*, delete the word "operations." Code 27.x00 through 27.x09, change "Crude-Petroleum and Other Soft Coal Mining" to read "Crude-Petroleum and Natural Gas Production."

Page 11, under "*B Natural Sciences and Related Fields*," change "91. Forestry and Range Management -----91," to read "91. Forestry and Range Management -----110."

Paragraph 1, page 12, insert in proper numerical sequence new Code "00.997 *Student Majoring in Pre-Law* (see par. 3a (1) (f))."

Page 14, insert in proper numerical sequence under "*01.41 Telegraph Operators and Related*" new Code "01.412 Radio Telegrapher, Commercial and Marine."

Page 16, insert in proper numerical sequence under "*Domestic Service*" new Code "02.000 Housewife (no previous history of gainful employment)."

Page 17, Code 02.610, change to read "Gatemen; Plant Protection Men."

Page 18, Code 02.664, after "Bertillon Expert" add "; Fingerprint Classifier."

Code 02.665, after "F. B. I. Investigators" add "Federal or State Special Agents." Insert in proper numerical sequence new Code "02.667 Plant Protection Inspector."

Page 21, immediately under *Manufacture of Tobacco Products* change "14.120 through 04.129)" to read "(04.210 through 04.129)."

Page 35, Code 05.763, after the word "Inspectors" add "(includes Pipe-line Inspectors)."

Page 38, Code 11.x13, after "Old age and other social insurance" add "(Veterans Administration)." In occupational field heading for Codes 11.x30 through 11.x39, change the word "paid" to read "aid."

Page 42, Code 13.x97, after the word "specialization" add "(includes pre-medical, pre-veterinary, and pre-dental students)." Code 13.x98, change the word "Entomologist" to read "Biologist."

Page 43, under heading "FUNCTIONS FOR INDUSTRIES," change "(11) page 38" to read "(65) page 92)."

Page 49, Code 18.x43, change "26.x40)" to read "26.x44)."

Page 51, Code 19.x70, after the word "stone-working" add "machinery; and water and sewage treatment equipment."

Page 52, Code 19.x78, after "n.e.c." add "(includes blowers, exhaust and ventilating fans)." Code 19.x91, after the word "devices" insert ", electrical measuring instruments,".

Page 56, Code 23.x97, change the word "physiology" to read "pharmacy."

Page 57, Code 24.x53, change the word "Periodontia" to read "Pedodontia."

Page 58, after heading "MANUFACTURING INDUSTRIES," add "(Continued from 19.x99)." Immediately above Code 26.x00, insert occupational field heading "*Electrical Machinery—Continued.*" Code 26.x09, after the word "machinery" insert "and insulated wire and cable."

Page 60, left-hand column, after Code 27.x15 delete heading "CONSTRUCTION INDUSTRIES." Top of page, right-hand column, change heading "CONSTRUCTION INDUSTRIES—Continued" to read "MINING INDUSTRIES—Continued." Be-

low Code 27.x29, change heading "CONSTRUCTION" to read "CONSTRUCTION INDUSTRIES."

Page 63, right-hand column, between Code 30.x99, and heading "INDUSTRIAL FUNCTIONS" insert heading "WHOLESALE TRADE—(Continued from 28.x99)." Change Code "31.09 Metals and minerals, n. e. c." to read "31.x09 Metals, minerals, coal and coke, n. e. c."

Page 64, delete Codes "31.x42 Farm supplies," "31.x45 Flowers and nursery stock," "31.x46 Rough timber products." (See Codes 28.x24, 28.x25, and 28.x26 respectively).

Page 65, Code 32.x52, after the word "investment" add "holding companies."

Page 66, immediately below Code 32.x85, change Code "31.x86" to read "32.x86."

Under heading "PHYSICS AND ASTRONOMY (33)—Continued," change third digit "7" to read "9."

Page 67, immediately below Code 33.x98, change Code "33.x90" to read "33.x99."

Page 68, under heading "GEOLOGY AND GEOPHYSICS (35)," change third digit "5" to read "Inspection and testing."

Page 75, between Code "42.x99" and heading "INDUSTRIAL FUNCTIONS," insert "SERVICE INDUSTRIES—(Continued from 37.x99)." Insert in proper numerical sequence new Code "44.x07 X-ray laboratories."

Page 79, under heading "CHEMICAL ENGINEERING (50)," change third digit "1" to read "Production, inspection and testing." Top of page, right-hand column, change heading "CHEMICAL ENGINEERING (40)—Continued" to read "CHEMICAL ENGINEERING (50)—Continued."

Page 80, under heading "ELECTRICAL ENGINEERING—Continued," change third digit "7" to read "Construction and installation, including inspection and testing."

Page 82, Code 52.x78, change the word "Nonferrous" to read "Ferrous."

Page 83, under heading "AUTOMOTIVE ENGINEERING (54)," line 10, after the word "maintenance" add "under Transportation (65.424)." Change third digit "1" to read "Production, inspection, and testing."

Page 84, at top of both left- and right-hand columns, change headings "AERONAUTICAL ENGINEERING (56)—Con." to read "AUTOMOTIVE

ENGINEERING (54)—Con.” Under heading AERONAUTICAL ENGINEERING (56),” change third digit “7” to read “Inspection and testing.”

Page 87, under heading “HEATING, VENTILATING, ETC.—Continued,” change third digit “5” to read “Installation, erection, and operation, including inspection and testing.”

Page 90, Code 61.x37, after the word “Siamese” add “; Thai.”

Page 92, under TRANSPORTATION (65), third digit “0,” change the word “overhaul” to read “over-all.” Third digit “1,” delete “and locomotive engineer.”

Page 93, Code 65.x41, change to read “Traffic (rates and tariffs—railroads and/or highway carriers).”

Page 94, immediately below Code 65.x96, insert occupational field heading “*Transportation (other)*.”

Code 66.x11, after the word “exhibits” add “including window dressing.”

Page 106, immediately above Code 87.x00, change occupational field heading “*Writing*” to read “*Writing and Editing*.” Insert in proper numerical sequence new Codes “87.x24 Advertising” and “87.x98 Personnel experienced in two or more of above (italicized) fields.”

Page 107, immediately after Code 88.x55 delete Code “88.x59 Not classified above.”

Page 109, under heading PLANT PATHOLOGY, HORTICULTURE AND AGRONOMY (90), change third digit “1” to read “Inspecting and testing.”

Page 111, under heading ANIMAL SCIENCES (92), change third digit “5” to read “Inspecting (laboratory) including testing.”

Page 112, immediately below Code 92.x02, change “93.x03” to read “92.x03.”

Page 113, immediately following Code 95.x49, change “90.x50” to read “95.x50.” Code 95.x54, change to read “Horse racing and dog racing.”

Page 114, insert in proper numerical sequence new Codes “96.x91 Medical illustration including model making” and “97.x91 Medical photography.”

Page 115, under heading “GROUP B” (OTHER) (professional, managerial, and administrative) (99)—Continued,” change third digit “7” to read “Production (see functions for industries “1—Production,” Page 43).”

Page 116, insert in proper numerical sequence new Code “99.x67 Drafting, statistical.”

Alphabetical Index, page 122, change “Ballistics Expert” to read “Ballistics Expert (Crime Detection).” Page 124, change “Electronics” to read “Electronics (Electrical Engineering).” Page 126, change code following “Inspecting, Public Service, n. e. c. from “05.x” to “99.x20.” Page 128, change “Painting” to read “Painting (Art).” Change “Petroleum” to read “Petroleum (Industrial and Safety Engineering).”

R		Code	Page	T		Code	Page
Radar (Physics).....	33.x49	67	Tank Radio Engineering.....	47.x99	79		
Radar Engineering (Radio Engineering).....	47.x95	79	Taxidermy (Commercial).....	37.x79	71		
Radio Program Broadcasting.....	37.x03	70	Taxidermy (Recreation Leadership).....	88.x46	107		
Radio Manufacturing Industries.....	19.x99	52	Taxonomy, Animal, General.....	13.x48	41		
Radio Telegrapher, Commercial and Marine.....	01.412	14	Taxonomy, Plant.....	13.x3-	41		
Radio (Trade and Industrial Education).....	89.x9-	109	Telegrapher, Radio, Commercial and Marine.....	01.412	14		
Railroad Equipment Maintenance.....	65.x6-	93	Television, Program Broadcasting.....	37.x03	70		
Railroad Maintenance of Way.....	65.x6-	93	Television Engineering.....	47.x-	78		
S				V			
Silviculture.....	91.x1-	110	Vaudeville Performers.....	95.x2-	113		
Sketching and Drawing.....	96.x2-	113	W				
Social Insurance (Economics).....	60.x8-	89	Window Dressing.....	66.x11	94		
Social Insurance (Government Administration).....	11.x1-	38	X				
Social Psychiatry (Sociology).....	82.x61	102	X-ray (Electrical Engineering).....	51.x35	80		
Sports (Recreation Leadership).....	88.x56	107	X-ray Laboratories (Service Industries).....	44.x07	75		
Sports (Professional Athletics).....	95.x4-	113	X-ray Technician.....	44.507	75		
Student (see par. 8, sec. 1, page 6.1).							

[A. G. 300.7 (27 May 44).]

BY ORDER OF THE SECRETARY OF WAR:

OFFICIAL:

J. A. ULIO,
Major General,
The Adjutant General.

DISTRIBUTION:

"X."

For explanation of symbols, see FM 21-6.

G. C. MARSHALL,
Chief of Staff.

OFFICER CLASSIFICATION—
COMMISSIONED AND WARRANT:
CLASSIFICATION AND CODING
OF CIVILIAN OCCUPATIONS

✓
This manual, together with TM 12-206, 30 October 1943 and TM 12-207, 30 October 1943, supersedes AR 605-95 (Tentative) 19 January 1943, including Supplement I thereto, 18 March 1943 and memorandum No. W605-22-43. 15 May 1943.



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WAR DEPARTMENT,
WASHINGTON 25, D. C., 30 October 1943.

TM 12-405, Officer Classification—Commissioned and Warrant: Classification and Coding of Civilian Occupations, is published for the information and guidance of all concerned.

[A. G. 300.7 (7 Sep 43).]

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SECTION I

INTRODUCTION TO OFFICER CIVILIAN CLASSIFICATION

	Paragraph	Page		Paragraph	Page
Purpose.....	1	1	Classification of Female Personnel.....	7	6
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1. PURPOSE. This manual presents in detail a method of classifying officers according to civilian occupational skills. The accurate classification of officers, nurses, warrant officers, and other commissioned personnel is essential to procurement and assignment on the basis of specific abilities, and to the transfer of qualified officers from one to another arm or service. Accurate classification makes possible efficient wartime requisitioning of qualified officers and will later assist in a well-ordered demobilization and post-war readjustment.

2. PRINCIPLES OF CLASSIFICATION. The word classification may be variously interpreted. However, the term as used in this manual refers to the identification of an officer's civilian occupational experience by means of a standardized code system. Ordinarily, job identification, in industry as well as in Government, is made by title. However, wide variations in meaning and interpretation of these titles make this device unsuitable where exactness and uniformity are desired.

The method of classification described in this man-

ual is based upon an analysis of a man's job functions and a description of those functions in terms of a numerical code. In order, therefore, to assign an accurate code number to a man on the basis of his experience, the following steps must be taken:

Step 1. From material already recorded during a previous interview, or from information gained through a new interview, ascertain the general occupational background.

Step 2. Analyze the information thus gained to determine the area of specialization within the occupational field.

Step 3. Determine, by further analysis, the specific nature of the work performed.

However, the final code number does not yield a descriptive job title. Where such titles are required, the classifier should use the generally accepted title which most nearly describes the occupation being classified. For example, the code structure requires that the occupation of mining engineer be specifically coded by specialization and function. For title purposes alone, however, the description mining engineer is adequate.

CODING STRUCTURE FOR GROUP "A"

(Skilled, unskilled, clerical, or sales)

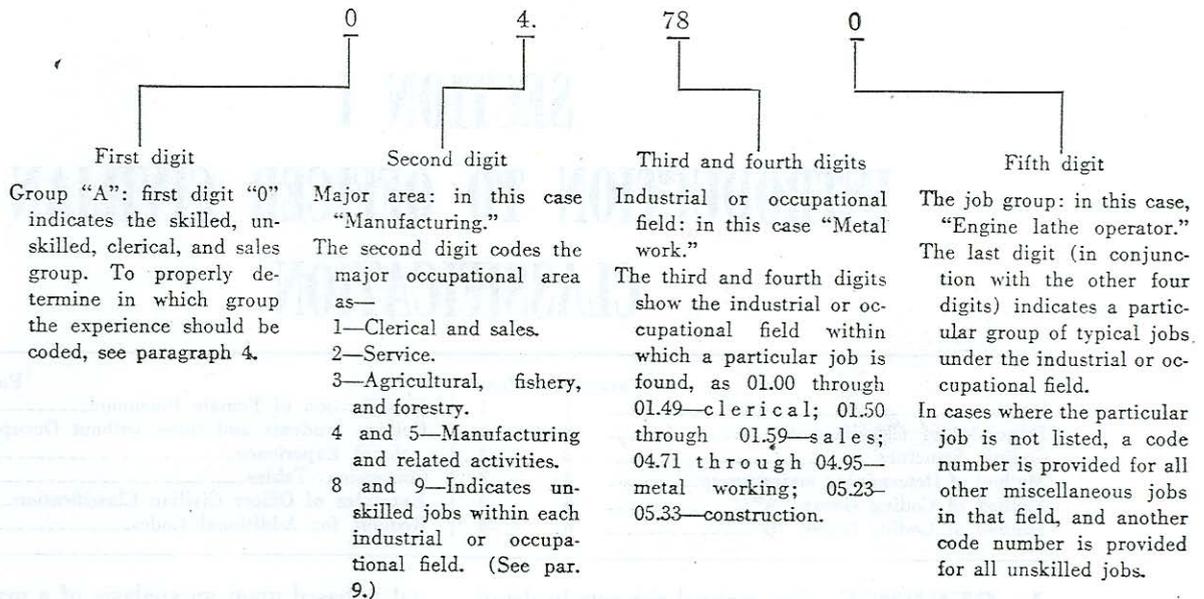


FIGURE 1.

CODING STRUCTURE FOR GROUP "B"

(Professional, managerial, and technical)

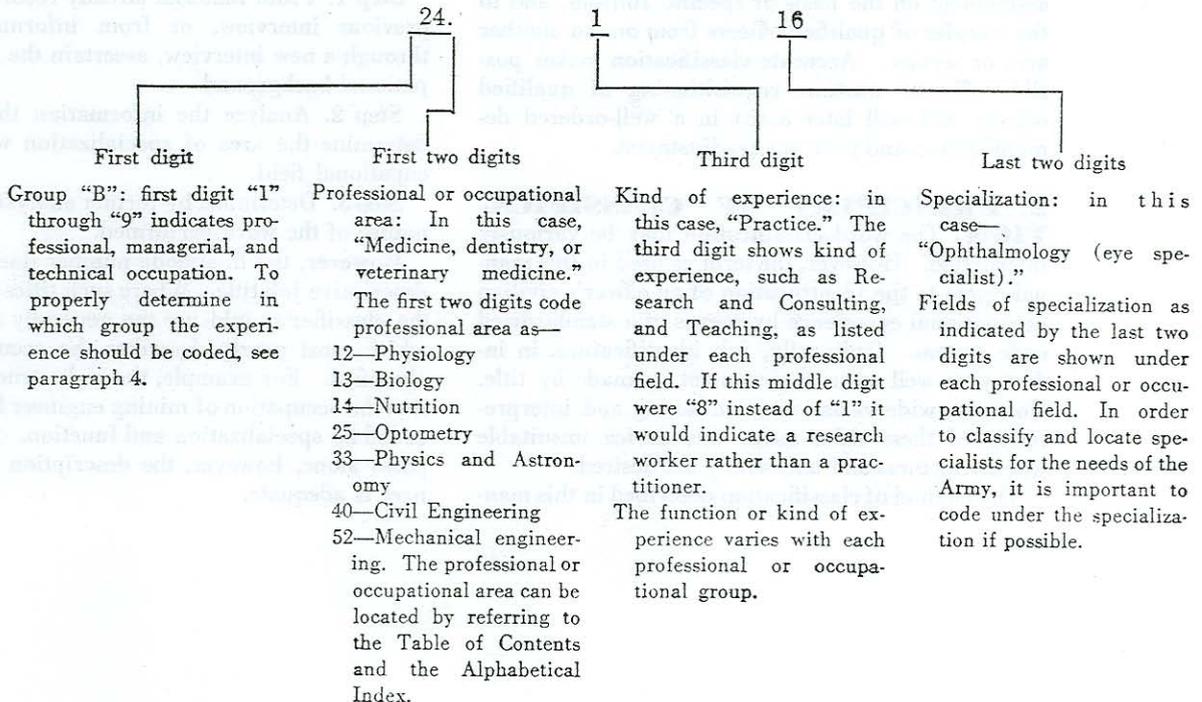


FIGURE 2.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

Accurate classification of officers by means of the coding structure discussed in this manual depends upon—

a. A complete discussion of the officer's training and experience in order to determine the pertinent facts concerning the officer's occupational history. In many cases it will be necessary to reinterview officers in order to assign an accurate code number on the basis of their civilian experience and skill.

b. Thorough study and understanding of the code structure presented, and of the underlying principles of the system. (Particular attention should be given section II.)

c. Complete understanding of the purpose of officer classification as set forth in paragraph 1. Accurate classification makes the information necessary to effect these aims available to all echelons through machine records cards or other means.

3. CODING STRUCTURE. The code group used for each occupational classification consists of a five-digit number. The first two digits indicate the general area of occupational experience, the final two digits indicate the area of specialization, and the middle digit indicates the special function within the area of specialization. For purposes of clarity, the function of the middle digit will be discussed after that of the other digits. Civilian occupations are divided into two broad groups as follows:

a. Group "A". Includes skilled, semiskilled, unskilled, clerical, and general sales occupations; they will always carry "0" as the first digit. The four digits which follow the first digit "0" are derived from the "Dictionary of Occupational Titles."¹ Figure 1 diagrams in detail the code structure for Group "A."

b. Group "B". Includes professional, managerial, and administrative occupations; they are always indicated by using the numbers "1" through "9" as the first digit. In the main, the complete five-digit code grouping follows code structure used by "The National Roster of Scientific and Specialized Personnel." Figure 2 diagrams in detail the structure of this coding system. The industrial classification (Code Groups "15" through "19"; "26" through "28"; "31" through "32"; "37"; and "44")

¹ *Dictionary of Occupational Titles*, United States Department of Labor, United States Employment Service, Government Printing Office, Washington, 1939.

in Group "B" is derived from the Standard Industrial Classification Manual."²

4. METHOD OF DETERMINING MAJOR GROUP. The determination of the group in which an officer's vocation should be coded is dependent upon an adequate interview, and the consideration of such factors as—

a. Job Title. "Statistical Clerk" would be considered clerical (Group "A") and "Statistician," professional (Group "B").

b. An Accurate Description of Duties Performed. "Kept the books and balanced ledger sheets" should indicate classification under "Clerical and Sales Occupations" (Group "A"); while "analyzed budgets and determined financial policy" should indicate classification under "Accounting" (Group "B").

c. Training, Education, or Experience Required for Civilian Occupation. A stock clerk, whose work required relatively little experience, training, or education, would be classified under Group "A"; while a physicist whose work required a college education would be classified under Group "B."

All of the above factors should be considered in determining the proper classification level of the individual officer's experience. Some jobs accurately classified under Group "A" require long training and apprenticeship, such as machinist, tool maker, farmer, and others. However, such occupations are skilled rather than professional, managerial, or administrative. In the final analysis, it is the level of competence or skill which determines the group in which the experience should be classified. Thus, most farmers would be classified within Group "A" (03.000 through 03.499), while a few farmers on the basis of specialized training or education (horticulture, agronomy, and other specialties) would be coded under Group "B" (90—"Plant Pathology, Horticulture, and Agronomy" or 92—"Animal Sciences"). Proper classification of officers depends upon a good interview, the sound judgment of the classification officer, and comprehension of the purpose of classification. Some further examples of the basis for differentiating between the two general groups follow:

² *Standard Industrial Classification Manual, Volumes I and II*, Executive Office of the President, Bureau of the Budget, Government Printing Office, Washington, 1942.

(1) A "Statistical Clerk" would be coded as 01.360 (Group "A") while a "Statistician" would be coded under "34—Mathematics and Statistics," (Group "B") with closer attention given to the specific function and type of statistics. Thus, a professor of statistics in the field of general agricultural economics would be coded 34.450; a statistician specializing in computing methods in the analysis of marine insurance would be coded 34.694.

(2) A retail automobile salesman would be coded 01.800 while a sales manager for an automobile distributor would be coded 31.391 or 31.091 depending upon his particular specialization; that is, distribution or management.

5. METHOD OF CODING GROUP "A". When the civilian experience (skilled, semi-skilled, unskilled, clerical, or sales) falls within this group the proper code is determined as follows:

a. Section II, "Occupational Group Structure—Numerical" should be consulted for the major area within which the occupation occurs. Thus, "Production of Textiles 04.140 through 04.199" is found under "Manufacturing and Related Occupations." Weaving occupations would be found under this group. However, if an occupational group cannot be located by use of "Section II," the "Alphabetical Index" should be consulted. For example, a "Weaver" would be found under Weaving Textile Occupations. Since the index has been expanded to include as many specific occupations as possible, "Weaver" would also be located under "Weaving Textile Occupations," for example, "Textile Weaving Occupations—04.15" and "Weaving Occupations—04.15."

b. Under the Industrial Group Heading in section III, according to group code given above, a listing of representative jobs is shown, together with the code number. For example, under the group heading 04.15 are listed representative jobs in this field:

- 04.150—Weavers
- 04.153—Loom changers
- 04.157—Loom fixers
- 08.150—All unskilled laboring jobs in this process

Thus a "Weaver" would be given the code "04.150."

c. If the officer's civilian job is not found among the jobs listed and his experience is in this field, reference should be made to the special code covering miscellaneous jobs given at the end of the list together with a code number for all unskilled jobs in this field. Unskilled occupations will automatically

fall within Group "A," that is, an "0" digit grouping. Within each occupational grouping in this field, provision is made for classifying unskilled jobs by use of the second digit, "8" or "9." For example, 09.220 under "Extraction of Minerals," page 32, is the code number for unskilled laboring jobs in this process, while on page 29 under "Production of Ferrous and Nonferrous Metals" 08.920 is the proper code number for unskilled labor in this field. Similar code numbers accompany every occupational grouping.

Examples (see fig. 1):

If an officer's civilian job was lathe operation, his proper code can be found by referring to the index, either for the job-title, "Lathe Operator," or a more general title, "Machine Operator" or "Machine Shop and Related Occupations." Reference is made to "04.78—Machine Shop and Related, n. e. c. (not elsewhere classified)" where various machine operator jobs are listed by code numbers. If, however, the particular job is not listed under this group and the officer's civilian experience was in machine shop work, he would be coded under the title "04.799—Miscellaneous Machine Shop Jobs," or if unskilled, under the code "08.780—All unskilled laboring jobs in this process." It has proven impractical to include every occupation in the "Alphabetical Index," and occupations such as "Waterproofers" or "Dredgers" will be found under "Construction, n. e. c." Thus a "Waterproofers" is found listed under "Construction, n. e. c.—05.32" and would be coded "05.331." The alphabetical index is not intended to be exhaustive or complete; it is not an independent tool, but an aid to the use of the manual, and should always be used in conjunction with the material to which it refers.

6. METHOD OF CODING GROUP "B".

When the civilian experience falls within this group (professional, managerial, or administrative) the proper code is determined as follows:

a. Section II, "Occupational Group Structure—Numerical" should be consulted for the major area within which the occupation occurs; if the occupation cannot be found by this method, the Alphabetical Index should be used. It should be emphasized, however, that section II gives a broader picture of the Group "B" coding structure as a whole and should be used in preference to the Alphabetical Index.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

b. Civilian occupations on the professional, managerial, or administrative level (Group "B") are broken down by the first two digits into such general fields as Medicine, Civil Engineering, Electrical Engineering. Thus, the first two digits "24" indicate the field of Medicine, Dentistry, and Veterinary Medicine; the first two digits "40" indicate Civil Engineering; the first two digits "51" indicate Electrical Engineering.

c. The last two digits in Group "B" code numbers indicate the field of specialization. For example, under medicine, which would be identified by the first two digits "24," the last two digits "26" indicate obstetrics, the last two digits "10" indicate general surgery, and the last two digits "01" indicate aviation medicine. Thus a five-digit code group beginning 24. and ending with 17 indicates a medical man in the field of dermatology. Similarly, under electrical engineering, indicated by the first two digits "51," the last two digits indicate the field of specialization. The last two digits "02" indicate insulating materials; the last two digits "11" indicate batteries; the last two digits "43" indicate small power units; and the last two digits "35" indicate X-rays. Thus a code number beginning 51. and ending with 02 indicates an officer with electrical engineering experience, specializing in the field of insulating materials, while a code number beginning 51. and ending with 35 shows an electrical engineer specializing in the X-ray field.

d. The third, or middle, digit of the code number indicates the special activity or *function* performed in the field of specialization. A list of such functions together with the appropriate code numbers to be substituted for the "x" given in each code will be found under the major field. It will be noted that the functions are not the same for all occupational fields, and that only the functions shown for the specific field under consideration should be used. The following functions, for example, are listed under Electrical Engineering—51:

- 0 General (two or more functions including administration)
- 1 Operation
- 2 Editing and Writing
- 3 Consulting
- 4 Research
- 5 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Construction
- 8 Design
- 9 Other

(1) "0-General (two or more functions)" is to be used only when an officer's civilian experience has been extremely broad and where it would be difficult to indicate a specific function. For example, most college professors have performed a certain amount of research work. However, since *teaching* was the main function, function "5-Teaching (college level)" should be indicated. On the other hand, if the experience has been primarily in the field of *research*, with teaching more or less secondary to this, then the function "4-Research" should be indicated.

(2) When the function performed by the officer does not appear in the list, use "9" as a middle digit.

(3) As in most other occupations, all italicized fields of specialization under "Electrical Engineering" begin with the term "General." However, this term is to be used only when the experience includes two or more of the fields of specialization within an italicized title.

(4) When the experience has been in two or more italicized fields within "Electrical Engineering," and justice cannot be done by coding with a single italicized field, then the last two digits "98" should be used. However, it is far better to give an officer a specific number within the coding structure than to use this nonspecific classification.

(5) The last two digits "97" (in this case, beginning with 51) are used for students (either a fourth-year college or graduate student who does not indicate a specialized field).

Example (see fig. 2):

The code 24.116 indicates a physician specializing in the treatment (practice) of defects and diseases of the eye. If the code were 24.816 it would indicate research in the same field. The code 51.743 indicates an electrical engineer with experience in *constructing* small power plants. In the case of an individual who has had more than one kind of experience within a particular field, the type of experience he seems best qualified for should be coded. If he is equally well qualified for two or more kinds of experience, the most valuable one should be coded. If his experience is so general as to make it difficult or impossible to code in one specialized field, he should be coded by a group beginning with 51 and ending 98—that is, as experienced in two or more of the italicized fields in "Electrical Engineering".

7. CLASSIFICATION OF FEMALE PERSONNEL. This manual adequately covers all occupations for women. Where masculine titles are applicable to women, the same code shall be used. For example, women who performed such civilian occupations as "Servicewoman," "Repairwoman," or "Waitress" will be coded the same as "Serviceman," "Repairman," or "Waiter," respectively. In addition, many civilian occupations performed primarily by women have been added to this manual, such as "Medical Secretary," "Nursemaid," and "Governess."

8. COLLEGE STUDENTS AND THOSE WITHOUT OCCUPATIONAL EXPERIENCE. College students who are either fourth year or graduate students will be coded in Group "B" under the area and field of specialization within which they studied. If the student does not indicate a *field* of specialization the last three digits of his code will be "997," and the first two digits will be that of the general area of study.

Examples:

An officer entered the Army when he was in his fourth year of college. He had majored in Radio Engineering but did not indicate a field of specialization. He would be coded 47.997.

An officer who has just graduated from college states that he majored in Electrical Engineering and specialized in Telephone and Telegraph Communication. He would be coded 51.970 (the middle digit "9" is always used for students regardless of any other function assigned this number).

Officers who have had 3 years or less of college education, and *no occupational experience* will be coded 00.999. In many instances, however, the officer will have had some type of occupational experience and should be coded accordingly.

9. CONVERSION TABLES. Because of the extent of the revision of AR 605-95 (tentative) by this manual, it has been necessary to make certain changes and to add occupational codes. Since items 27 and 28, W. D., A. G. O. Form 66-1 were coded from AR 605-95 (Tentative) dated 19 January 1943; supplement I to AR 605-95 dated 18 March 1943; and Memorandum No. W605-22-43 dated 15 May 1943, it will be necessary to review and change a number of 66-1 forms. While the number of such instances is not large, review is essential in these cases. Reference should be made

to section IV, where complete tables are given for proper conversion of codes and examples are furnished to facilitate this work. As time permits, it is also desirable to review all 66-1's to insure that proper classification was originally accomplished.

10. EXAMPLES OF OFFICER CIVILIAN CLASSIFICATION. The following cases are taken directly from item 26 or 27, on W. D., A. G. O. Forms 66-1.

CASE A. (College graduate—Business Administration.) "Supervised and directed office procedures and personnel for an investment and finance company. Directed and coordinated all office personnel concerned with correspondence, keeping of records, credits, and collections. From June 1939 to May 1940. Monthly Salary, \$165.00."

Suggested classification: 57.710 General Office Management or 32.044 Management of a Small Loan Company.

Comment: As this officer had been employed for only 11 months in the loan company, and had had no previous occupational experience, the chances are that it is "ability to supervise and direct an office force," and not "small loan activities" which should be classified; thus 57.710 is preferable. If this officer, however, had become the manager of the loan company while employed there, or had been so employed for several years, the "management of a loan company" should be emphasized, and the code 32.044 might be used.

CASE B. (High school graduate.) "Supervised office personnel. From 1935 to 1941. Salary \$120.00, month."

Suggested classification: None—until reinterviewed.

Comment: Such descriptive words as "directed," "supervised," "managed," and "bossed" are used indiscriminately by most persons in describing their duties. The salary of \$120.00 a month does not indicate a very high degree of responsible supervision. This officer may have been a bookkeeper, typist, or file clerk, and may have had some degree of responsibility or supervising one or two clerks. A reinterview is necessary to classify this officer's civilian occupation properly.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CASE C. (Completed third year high school.) "Repaired all makes of cars and light trucks. Ground valves, replaced rings; overhauled entire motor, ignition system, transmission, and differential. Did some body repair work and painting. From 1937 to 1940. Monthly income \$160.00."
From 1937 to 1940. Monthly income \$160.00."

Suggested classification: 05.810 All around Automobile Mechanic and Repairman.

Comments: Good description; states exactly what the officer did.

CASE D. (High school graduate.) "Operated lathes, milling machines, and drills. From 1939 to 1942. Monthly income \$300.00."

Suggested classification: 04.780 Engine Lathe Operation or 04.782 Milling Machine Operation.

Comment: Duties should also show ability to read blueprints, set up machine and do lay-out work; gages used, and tolerance to which worked. The type of machines operated should also be shown. Description might read: "Set up and operated engine lathes, universal milling machines, multiple spindle drills, and cylindrical grinders. Used micrometers and other gages. Read blueprints. Worked to .0001 on steel. Made small machine tools." This might have been the actual job description for this officer if he had been adequately interviewed; with such a description he would be coded 04.750 Journeyman Machinist.

CASE E. (College graduate, majored in advertising.) "Managed retail automobile and auto-

motive accessory agency. From 1934 to 1939. Monthly income \$150.00."

Suggested classification: 31.091 Management of Retail Automobile Sales.

Comment: Adequate description for classification. Some indication as to number of men supervised or size of business should be shown.

CASE F. (College graduate, Liberal Arts.) "Sold books to schools and universities. From 1928 to 1940. Monthly income \$950.00."

Suggested classification: 17.314 Selling of Books for a book printing and publishing firm.

Comment: If books were sold to retail stores and no technical knowledge of the textual material was required, the code "01.872, Salesman of Publications, Printing, and Advertising" might be used.

(Attention is invited to the examples shown in paragraphs 4, 5, 6, and 8.)

II. REQUEST FOR ADDITIONAL CODES. Though conscientious effort has been made to present a coding structure which will represent most varieties of experience and training, it is obvious that occasional instances will arise which are not covered by this compilation. In this event, recommendations for changes and revisions are welcome if they are specific enough in form to be readily understood and incorporated in this manual. Such suggestions should be forwarded, through channels, to The Adjutant General, Classification and Replacement Branch, Washington, D. C.

Section II

Occupational Group Structure—Numerical

	Paragraph	Page		Paragraph	Page
Group "A"—Skilled, Semiskilled, Unskilled, Clerical, and General Sales Occupations....	1	8	Group "B"—Professional, Managerial, and Ad- ministrative Occupations.....	2	9

I. GROUP "A"—SKILLED, SEMI-SKILLED, UNSKILLED, CLERICAL, AND GENERAL SALES OCCUPATIONS.

CODE	CIVILIAN OCCUPATIONAL GROUPS	
01.000 through 01.999	Clerical and Sales Occupations.....	12
01.000 through 01.499	Clerical and Kindred.....	12
01.500 through 01.999	Sales and Kindred.....	15
02.000 through 02.999	Service Occupations.....	16
02.000 through 02.099	Domestic Service.....	16
02.200 through 02.499	Personal Service.....	16
02.600 through 02.699	Protective Service.....	17
02.800 through 02.999	Building Service Workers and Porters.....	18
03.000 through 03.999	Agricultural, Fishery, Forestry, and Kindred Occupations.....	18
03.000 through 03.499	Agriculture, Horticulture, and Kindred.....	18
03.800 through 03.899	Fishery Occupations.....	19
03.900 through 03.999	Forestry (except Logging), Hunting and Trapping.....	19
04.010 through 05.189	Manufacturing and Related Occupations.....	19
04.010 through 04.109	Production of Food Products.....	19
04.120 through 04.129	Manufacturing of Tobacco Products.....	21
04.140 through 04.199	Production of Textiles.....	21
04.210 through 04.279	Production of Fabricated Textile Products.....	21
04.290 through 04.399	Production of Lumber and Lumber Products.....	22
04.410 through 04.429	Production of Paper and Paper Goods.....	23
04.440 through 04.499	Printing and Publishing Occupations.....	24
04.500 through 04.549	Production of Chemicals and Chemical Products.....	24
04.550 through 04.569	Production of Petroleum and Coal Products.....	25
04.570 through 04.579	Production of Rubber Goods.....	25
04.580 through 04.639	Manufacturing of Leather and Leather Products.....	25
04.650 through 04.709	Production of Stone, Clay, and Glass Products.....	26
04.710 through 04.959	Metalworking.....	27
04.970 through 05.009	Electrical Work and Manufacturing of Electrical Equipment.....	29
05.020 through 05.509	Manufacturing of Transportation Equipment.....	30
05.080 through 05.139	Manufacturing of Miscellaneous Products.....	30
05.160 through 05.189	Miscellaneous Manufacturing Processes.....	31
05.200 through 05.619	Nonmanufacturing Occupations.....	31
05.200 through 05.229	Extraction of Minerals.....	31
05.230 through 05.339	Construction.....	32
05.350 through 05.499	Transportation.....	33

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CODE	CIVILIAN OCCUPATIONAL GROUP	Page
05.200 through 05.619—		
Continued	Nonmanufacturing Occupations—Continued	
05.510 through 05.549	Communication and Utilities.....	33
05.550 through 05.609	Trades and Services.....	34
05.610 through 05.619	Public Service, n. e. c.....	34
05.630 through 05.899	Miscellaneous Occupations.....	34
05.910 through 05.999	Foreman.....	36
07.930 through 07.999	Apprentices.....	37

2. GROUP "B"—PROFESSIONAL, MANAGERIAL, AND ADMINISTRATIVE OCCUPATIONS.

A Industries

Includes such specific activities as over-all and coordinating management; production supervision; purchasing; engineering and kindred sales; warehousing, storage, or transportation; applied science, including engineering not classified under professional fields; operations; and cost accounting.

CODE	CIVILIAN OCCUPATIONAL GROUP	Page
15.x00 through 19.x99 and 26.x00 through 26.x69	} Manufacturing Industries.....	44
15.x00 through 15.x49	Food and Kindred Products.....	44
15.x50 through 15.x59	Tobacco Products.....	45
15.x60 through 15.x99	Textile-mill Products.....	45
16.x00 through 16.x39	Apparel.....	45
16.x40 through 16.x49	Lumber and Timber Basic Products.....	46
16.x50 through 16.x79	Furniture and Finished Lumber Products.....	46
16.x80 through 17.x09	Paper and Allied Products.....	47
17.x10 through 17.x29	Printing, Publishing and Allied Industries.....	47
17.x30 through 17.x69	Chemicals and Allied Products.....	47
17.x70 through 17.x89	Ordnance and Accessories.....	48
17.x90 through 17.x99	Products of Petroleum and Coal.....	48
18.x00 through 18.x19	Rubber Products.....	48
18.x20 through 18.x39	Leather and Leather Products.....	48
18.x40 through 18.x79	Stone, Clay, and Glass Products.....	49
18.x80 through 19.x19	Iron, Steel, and Their Products.....	49
19.x20 through 19.x49	Nonferrous Metals and Their Products.....	50
19.x50 through 19.x89	Machinery (except electrical).....	51
19.x90 through 19.x99	Electrical Machinery.....	52
26.x00 through 26.x09	Electrical Machinery (Cont'd).....	58
26.x10 through 26.x29	Transportation Equipment (except automobiles).....	58
26.x30 through 26.x39	Automobiles and Automobile Equipment.....	59
26.x40 through 26.x69	Miscellaneous Manufacturing Industries.....	59
26.x70 through 27.x29	Mining Industries.....	59
26.x70 through 26.x79	Metal Mining.....	59
26.x80 through 26.x89	Anthracite Mining.....	59
26.x70 through 27.x29		
26.x90 through 26.x99	Bituminous and Other Soft Coal Mining.....	60
27.x00 through 27.x09	Crude-Petroleum and Other Soft Coal Mining.....	60
27.x10 through 27.x29	Nonmetallic Mining and Quarrying.....	60

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

CODE	CIVILIAN OCCUPATIONAL GROUP	Page
27.x30 through 27.x59	Construction Industries.....	60
27.x30 through 27.x39	General Contractors n. e. c.....	60
27.x40 through 27.x59	Special Trade Contractors (Subcontractors).....	60
27.x60 through 28.x99 and	} Wholesale Trade Industries.....	60
31.x00 through 31.x49		
27.x60 through 27.x69	Motor Vehicles and Automotive Equipment.....	60
27.x70 through 27.x79	Chemicals, Drugs, and Allied Products.....	61
27.x80 through 27.x89	Dry Goods and Apparel.....	61
27.x90	Petroleum and Its Products.....	61
28.x00 through 28.x09	Groceries and Food Specialties.....	61
28.x10 through 28.x29	Farm Products (includes assemblers of).....	61
28.x30	Tobacco and Its Products (except Leaf).....	61
28.x40	Beer, Wine, and Liquors.....	61
28.x50 through 28.x59	Electrical Goods.....	61
28.x60 through 28.x69	Furniture and Housefurnishings.....	61
28.x70	Hardware.....	61
28.x80 through 28.x89	Lumber and Construction Materials.....	61
28.x90 through 28.x99	Machinery, Equipment, and Supplies.....	61
31.x00 through 31.x09	Metals and Minerals (Except petroleum products and scrap).....	63
31.x10 through 31.x19	Paper and Paper Products.....	63
31.x20	Plumbing and Heating Equipment and Supplies.....	63
31.x30 through 31.x39	Waste Materials.....	63
31.x40 through 31.x49	Wholesale Trade, Other.....	64
31.x50 through 32.x19	Retail Trade Industries.....	64
31.x50 through 31.x59	Food (Includes eating and drinking places).....	64
31.x60 through 31.x69	General Merchandise.....	64
31.x70 through 31.x79	Apparel and Accessories.....	64
31.x80 through 31.x89	Furniture, Home Furnishings, and Equipment.....	64
31.x90 through 32.x19	Miscellaneous Retail Stores.....	64
32.x20 through 32.x99	Finance, Insurance, and Real Estate Industries.....	65
32.x20 through 32.x29	Banking.....	65
32.x30 through 32.x39	Credit Agencies other than Banks—long term.....	65
32.x40 through 32.x49	Credit Agencies other than Banks—short term.....	65
32.x50 through 32.x59	Investment Trusts and Companies; Holding and Investment-Holding Companies.....	65
32.x60 through 32.x69	Security and Commodity Brokers, Dealers, and Exchanges.....	65
32.x70 through 32.x79	Insurance Carriers—not Agents, Brokers, and Service.....	65
32.x80 through 32.x86	Insurance Agents, Brokers and Service.....	65
32.x87 through 32.x89	Finance, other.....	66
32.x90 through 32.x99	Real Estate.....	66
37.x00 through 37.x29	Communications and Other Utilities.....	70
37.x00 through 37.x09	Communication.....	70
37.x10 through 37.x19	Heat, Light, and Power.....	70
37.x20 through 37.x29	Water and Sanitary Services.....	70
37.x30 through 37.x99 and	} Service Industries.....	70
44.x00 through 44.x99		
37.x30 through 37.x39	Lodging Places.....	70
44.x00 through 44.x99	} Personal Services (Industries).....	70
37.x40 through 37.x49		
37.x50 through 37.x59		
37.x60 through 37.x69		
	Business Services.....	70
	Automobile Repair Services and Garages.....	70

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CODE	CIVILIAN OCCUPATIONAL GROUP	Page
44.x00 through 44.x99—		
Continued	Service Industries—Continued	
37.x70 through 37.x79	Miscellaneous Repair Services.....	71
37.x86 through 37.x87	Motion Picture Theaters.....	71
37.x90 through 37.x99	Amusement and Recreation Services.....	71
44.x00 through 44.x09	Medical and Other Health Services.....	75
44.x10 through 44.x19	Professional Services, Not Elsewhere Classified.....	75
44.x20 through 44.x29	Educational Services.....	75
44.x30 through 44.x39	Nonprofit Membership Organizations.....	75
65.x00 through 65.x99	Transportation.....	92
65.x00 through 65.x19	Air Transportation.....	93
65.x20 through 65.x29	Highway Transportation, Warehousing and Storage.....	93
65.x30 through 65.x39	Miscellaneous Transportation, Industries and Services.....	93
65.x40 through 65.x49	Railroad Officials.....	93
65.x50 through 65.x59	Railroad Operating Officials.....	93
65.x60 through 65.x79	Railroad Equipment and Way.....	93
65.x80 through 65.x99	Waterborne Transportation.....	93
<i>B Natural Sciences and Related Fields</i>		
12. Physiology.....	39	
13. Biology.....	40	
14. Nutrition.....	42	
20. Bacteriology, Immunology, and Pathology.....	52	
21. Anatomy.....	54	
23. Pharmacology and Experimental Therapeutics.....	54	
24. Medicine, Dentistry, and Veterinary Medicine.....	56	
25. Optometry.....	57	
74. Nursing.....	99	
76. Speech Pathology.....	100	
90. Plant Pathology, Horticulture, and Agronomy.....	109	
91. Forestry and Range Management.....	91	
92. Animal Sciences.....	111	
<i>C Physical Sciences and Related Fields</i>		
30. Chemistry and Related Fields.....	62	
33. Physics and Astronomy.....	66	
34. Mathematics and Statistics.....	67	
35. Geology and Geophysics.....	68	
40. Civil Engineering.....	71	
41. Naval Architecture and Marine Engineering.....	73	
42. Architecture.....	74	
45. Industrial and Safety Engineering.....	75	
46. Transit and Traffic Engineering.....	77	
47. Radio Engineering.....	78	
50. Chemical Engineering.....	79	
51. Electrical Engineering (other than Radio).....	79	
52. Mechanical Engineering.....	81	
54. Automotive Engineering.....	83	
56. Aeronautical Engineering.....	84	
<i>C Physical Sciences and Related Fields—Continued</i>		
58. Heating, Ventilating, Refrigerating, and Air Conditioning Engineering.....	86	
59. Mining Engineering and Metallurgy (includes Petroleum and Natural Gas).....	87	
66. Industrial Design.....	94	
<i>D Social Sciences and Related Fields</i>		
60. Economics.....	88	
61. Foreign Languages.....	89	
62. Philosophy.....	91	
67. Library Science.....	95	
70. Psychology.....	95	
71. Anthropology.....	97	
72. History and Political Sciences.....	98	
81. Geography.....	101	
82. Sociology.....	101	
83. Social Welfare.....	102	
<i>E Other Professions and Techniques</i>		
11. Governmental Organizations and Services.....	38	
53. Motion Pictures.....	83	
57. Management and Administrative Techniques.....	85	
63. Accounting.....	91	
68. Law.....	95	
86. Professional Education.....	104	
87. Journalism—Writing and Editing.....	105	
88. Recreation Leadership.....	106	
89. Trade and Industrial Education.....	107	
95. Amusement.....	112	
96. Art and Sculptoring.....	113	
97. Photography.....	114	
98. Religion.....	114	
99. Professions and Techniques Not Elsewhere Classified.....	115	

Section III

Classification Codes

	Paragraph	Page		Paragraph	Page
Group "A"—Skilled, Semiskilled, Unskilled, Clerical, and General Sales Occupations.....	1	12	Group "B"—Professional, Semiprofessional, Managerial, and Administrative Occupations.....	2	38

I. GROUP "A"—SKILLED, SEMI-SKILLED, UNSKILLED, CLERICAL, AND GENERAL SALES OCCUPATIONS.

00.999 No Occupational Experience and Less Than Four Years College Education

CLERICAL AND SALES

(01.000 through 01.999)

Clerical and Kindred

(01.000 through 01.499)

01.01 Bookkeepers and Cashiers, Except Bank Cashiers

01.010 Bookkeepers

Includes such as General Bookkeeper; Classification-Control Clerk; Night Auditor; Commercial Bookkeeper; Commodity-Loan Clerk; Display-Advertising Bookkeeper; Safe-Deposit-Box Bookkeeper; Budget Clerk; Food Controller.

01.013 Bookkeeping Clerks

Includes such as Accounting Clerk; Audit Clerk; Entry Clerk; Insurance Clerk; Inventory Clerk; Posting Clerk; Social Security Clerk.

01.015 Cashiers

Includes such as Disbursement Clerk; Cash-Register Reader; Desk Clerk; Mutual-Option Clerk; Ticket Seller; Tube Operator; Mutual-Option Cashier; Change-Booth Man; Cashier-Wrapper.

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

01.01 Bookkeepers and Cashiers, Except Bank Cashiers—Continued

01.019 Miscellaneous Bookkeepers and Cashiers
Calculator Assistant

01.02 Bookkeeping Machine Operators

01.020 Bookkeeping Machine Operators
Includes any job requiring or involving the use of a bookkeeping machine.

01.03 Checkers

01.030 Checkers

Includes such as Billing Checker; Carton Checker; Certificate-of-Insurance Checker; Counter; Expense Clerk; Filing Checker; Insurance Clerk; Train Clerk; Yardage Caller; Grocery Checker; Kitchen Clerk; Invoice-Control Clerk.

01.04 Clerks, General

01.040 Clerks, General

Includes such as Clerk, General; Addresser; Bill Sorter; Check Sorter; Copy Holder; Job Tracer; Package Addresser; Rate Inserter; Sorting Clerk.

01.05 Clerks, General Office

01.050 General Office Clerks

Includes such as Checking and Receipt Clerk; Investment-Bond Clerk; Mail-Return Clerk; Reclamation Clerk; Settlement Clerk; Tax Clerk; Underwriter Clerk.

01.06 Financial Institution Clerks, n. e. c.

01.060 Tellers and Financial Clerks

Includes Tellers and such clerks as

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

- 01.06 *Financial Institution Clerks, n. e. c.—Con.*
Teller, Savings; City Collection Clerk; Messenger, Bank; Safe-Deposit Attendant; Account Analyst; Corporate-Trust Clerk; Real-Estate Clerk; Margin Clerk.
- 01.07 *Hotel Clerks, n. e. c.*
 - 01.070 Hotel Clerks
Includes such as Front Clerk; Key Clerk; Back Clerk; Reservation Clerk; Room Clerk.
- 01.08 *Insurance Clerks, n. e. c.*
 - 01.080 Preparation, Examining, and Recording Clerks
Includes such as Actuarial Clerk; Brokerage Clerk; Cancellation Clerk; Death Claim Examiner; Revival Clerk; Term-Insurance Clerk.
 - 01.084 Miscellaneous Insurance Clerks
Includes such as Agent-Contract Clerk; Borderau Clerk; Capitalization Clerk; Real-Estate Location Writer; Abstract Approver; Closing-Sale Paper Examiner.
- 01.10 *Printing and Publishing Clerks, n. e. c.*
 - 01.100 Editing, Production, and Advertising Clerks
Includes such as Classified-Ad Clerk, Distribution Inspector; District Circulator; Production Man; Proofreader; Copy Cutter; Braille Proofreader.
- 01.11 *Railroad Clerks, n. e. c.*
 - 01.110 Railroad Clerks
Includes such as Car Sealer; Demurrage Clerk; Railway Express Clerk; Schedule Maker; Yard Clerk.
- 01.12 *Clerks in Trade, n. e. c.*
 - 01.120 Credit Clerks
Includes such as Credit Authorizer; Error-Charge Clerk; New-Account Clerk; Reference Clerk.
 - 01.123 Direct Service Clerks
Includes such as Adjustment Clerk; Return-Merchandise Clerk; Service-Desk Clerk; Post-Office Clerk; Lost-and-Found Clerk; Will-Call Clerk.
 - 01.125 Mail Order Clerks
Includes such as Shopper, Mail-Order Department.
- 01.15 *Collectors, Bills and Accounts*
 - 01.150 Collectors

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

- 01.16 *Correspondence Clerks*
 - 01.160 Correspondence Clerks
- 01.17 *File Clerks*
 - 01.170 File Clerks
- 01.18 *General Industry Clerks*
 - 01.180 Mail Clerks (not in Post Office)
Includes such as Dispatcher; Mail Sorter; Mailing-Room Clerk; Parcel-Post Clerk; Parcel-Post Order-Clerk.
 - 01.183 Personnel Clerks
Employment Clerk; Reception Interviewer; Personnel Clerk.
 - 01.184 Receptionists and Information Clerks
 - 01.186 General Industry Clerks (except Office), n. e. c.
Includes such as Dispatcher, Motor Vehicle; Order Clerk; Order Detailer; Production Clerk; Complaint Clerk; Stock Chaser.
 - 01.188 General Industrial Clerks (Office), n. e. c.
Includes such as Billing Clerk; C. O. D. Clerk; Collection Clerk; Mimeoscope Operator; Tube Operator; Ticket Girl (laundry).
- 01.20 *Library Assistants and Attendants*
 - 01.200 Library Assistants
- 01.23 *Messengers, Errand Boys, and Office Boys and Girls*
 - 01.230 Messengers and Office Boys
Includes such as Copy Boy; Bill Distributor; Sample Distributor; Delivery Boy; Page Boy.
- 01.24 *Telegraph Messengers*
 - 01.241 Telegraph Messengers
- 01.25 *Office Machine Operators*
 - 01.250 Billing-Machine Operators
Includes any job requiring or involving the use of a billing machine.
 - 01.251 Computing-Machine Operators
Includes Adding-Machine Operator; Comptometer Operator; Calculating-Machine Operator.
 - 01.252 Duplicating-Machine Operators
Includes such as Mimeograph Operator; Hectograph Operator; Multigraph Operator; Multilith-Machine Operator.
 - 01.254 Mail-Preparing, and Mail-Handling Machine Operators
Includes such as Addressing-Machine

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

- 01.25 *Office Machine Operators—Continued*
Operator; Addressograph Operator;
Letter-Opener Operator.
- 01.256 Statistical-Card-Punching-Sorting and
Verifying-Machine Operators
Includes such as Key-Punch Duplicator
Operator; Sorting-Machine Operator;
Tabulating-Machine Operator.
- 01.259 Miscellaneous Office Machine Operators
Includes jobs involving the use of any
office machines not previously in-
cluded; such as Check-Writing-Machine
Operator; Recorder Operator.
- 01.26 *Paymasters, Pay-Roll Clerks, and Time-
keepers*
- 01.260 Paymasters, Pay-Roll Clerks, and Time-
keepers
- 01.27 *Post Office Clerks*
- 01.270 Post Office Clerks
Includes such as Clerks, Postal;
Sorters, Mail; Weighers, Mail.
- 01.28 *Mail Carriers*
- 01.280 Mail Carriers
- 01.31 *Express Messengers*
- 01.310 Express Messengers
- 01.32 *Physicians' and Dentists' Assistants and
Attendants*
- 01.321 Dental and Medical Assistants
- 01.322 Medical Technician
- 01.33 *Secretaries*
- 01.330 Secretaries
Includes such as Legal Secretary; Pri-
vate Secretary; Social Secretary; Medi-
cal Secretary.
- 01.34 *Shipping and Receiving Clerks*
- 01.340 Shipping and Receiving Clerk
- 01.35 *Technical Clerks, n. e. c.*
- 01.351 Technical Clerks
Includes such as Engineering Clerk.
- 01.352 Title Searchers
- 01.36 *Statistical Clerks and Compilers*
- 01.360 Statistical Clerks and Compilers
Includes such as Census Clerk; Mile-
age Clerk; Census Taker; Coding
Clerk.
- 01.37 *Stenographers and Typists*
- 01.371 Stenographers
Includes general and specialized steno-
graphers such as Foreign Language Ste-
nographer; Legal Stenographer;

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

- 01.37 *Stenographers and Typists—Continued*
Stenotype Operator! Medical Steno-
grapher, Court.
- 01.372 Court Reporter
(Stenography, Stenotype)
- 01.373 Typists
Includes such as Telegraphic-Type-
writer Operator; Clerk-Typist; Type-
writer Operator, Automatic, Varitypist;
Hooven-Perforator Operator; Dicta-
phone Operator, Ediphone Operator.
- 01.379 Miscellaneous Stenography and Typ-
ing;
Include such as Script Girl.
- 01.38 *Stock Clerks*
- 01.380 Stock Clerks
Includes such as Gear-Room Keeper;
Kit Assembler; Storeroom Clerk, Ga-
rage Supplies; Stock-Control Clerk;
Tool Clerk.
- 01.41 *Telegraph Operators and Related*
- 01.411 Telegraph Operators
Includes such as Jackboard Operator;
Gamewell Operator.
- 01.42 *Telephone Operators*
- 01.420 Central-Office Operators
- 01.423 P. B. X. Operators
- 01.43 *Baggageman, Transportation*
- 01.430 Baggageman
- 01.44 *Ticket, Station, and Express Agents, Trans-
portation*
- 01.441 Agents
Includes such as Ticket Agent; Freight-
Traffic Agent; Crating and Moving
Estimator; Freight-Transportation
Agent.
- 01.45 *Weighers*
- 01.450 Weighers
- 01.48 *Agents and Appraisers, n. e. c.*
- 01.480 Business Agents
Includes such as Manager, Theatrical
Production; Advance Agent; Literary
Agent; Booking Agent; Claim Agent;
Right-of-Way Agent.
- 01.485 Appraisers
- 01.487 Adjusters
Includes such as Tire Adjuster; Claim
Adjuster.
- 01.49 *Clerks and Kindred Occupations, n. e. c.*
- 01.490 Readers and Prompters
- 01.491 Patent Clerk

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CLERICAL AND SALES—Continued

Clerical and Kindred—Continued

- 01.49 *Clerks and Kindred Occupations, n. e. c.—Con.*
 01.492 Property Custodians, n. e. c.
 01.493 Tallyman
 Includes such as Tallyman; Lumber Checker; Purser.
 01.494 Estimators, n. e. c.
 Includes such as Furniture Repair Estimator, Watch and Clock Repair Clerk; Estimator (jewelry).
 01.498 Miscellaneous Clerks, n. e. c.

Sales and Kindred Occupations

(01.500 through 01.999)

Because of the variations in selling techniques, many of the selling jobs are titled in an arbitrary manner. The term "sales clerk" is applied to jobs requiring little special knowledge or training. A sales clerk is usually stationed behind a counter where his chief task is to receive cash payment for the article selected by the customer, wrap the article and return it together with any change, to the customer. All sales clerks are grouped together in a single classification, with code 01.700.

The term "salesperson" is applied to jobs that involve no personal solicitation, but that do require to some degree, special knowledge of the merchandise sold. A salesperson is generally stationed on the selling floor where he displays, explains, and sells merchandise to interested persons.

The term "salesman" is applied to jobs that require a personal solicitation of the customer, frequently outside the store. In general, the salesman sells high-priced articles and must be able to persuade indifferent prospects of the desirability of the articles. For "Sales Engineer" see function "3" Sales under "Industrial Functions" page 43.

- 01.51 *Auctioneers*
 01.511 Auctioneers
 01.52 *Salesmen, Brokerage, and Commission Firms, n. e. c.*
 01.522 Commission Men and Agents
 Includes such as Manufacturers' Agent; Brokers and Market Operators; Salesmen, Livestock.
 01.55 *Canvassers and Solicitors*
 01.551 Salesmen and Solicitors
 Includes such as Salesman, House-to-House; Telephone Solicitor Salesman, Education Courses.

CLERICAL AND SALES—Continued

Sales and Kindred Occupations—Continued

- 01.56 *Demonstrators*
 01.560 Demonstrators
 Includes such as Food Demonstrator; Paint Demonstrator; Toiletries and Cosmetics Sales-Demonstrator.
 01.57 *Salesmen, Insurance*
 01.571 Insurance Salesmen (Including agency brokers)
 01.58 *Newsboys*
 01.581 Newsboys
 01.61 *Hucksters and Peddlers*
 01.611 Vendors and Peddlers
 01.63 *Salesmen, Real Estate*
 01.631 Salesmen and Brokers
 01.65 *Salesmen, Stock and Bond*
 01.650 Securities Salesmen and Traders
 01.70 *Sales Clerks*
 01.700 Sales Clerks (of any commodity)
 01.75 *Salespersons*
 01.750 Salespersons of Wearing Apparel
 01.752 Salespersons of Automotive and Maritime Equipment
 01.753 Salespersons of Farm and Garden Equipment
 01.754 Salespersons of Household Goods
 Includes the selling of such commodities as china and glassware, decorative household accessories, floor coverings, and furniture.
 01.755 Salespersons of Music and Musical Instruments
 01.756 Salespersons of Medical Supplies
 01.758 Miscellaneous Salespersons, n. e. c.
 01.80 *Salesmen, to Consumers (retail)*
 01.800 Salesmen, to Consumers
 Includes such as Salesman, Automobile; Salesman, Motorboat; Salesman, Piano.
 01.85 *Salesmen and Sales Agents, Except to Consumers (wholesale)*
 01.850 Salesmen of Amusement and Sporting Goods
 01.851 Salesmen of Automotive Goods
 01.852 Salesmen of Beverages, Foodstuffs, and Tobacco
 01.853 Salesmen of Chemicals and Drug Preparations
 01.854 Salesmen of Apparel and Dry Goods
 01.855 Salesmen of Fuel

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

CLERICAL AND SALES—Continued

Sales and Kindred Occupations—Continued

- 01.85 Salesmen and Sales Agents, Except to Consumers (wholesale)—Continued
- 01.856 Salesmen of Household Goods
Includes such goods as house furnishings and musical instruments and accessories.
- 01.857 Salesmen of Jewelry and Optical Goods
- 01.858 Salesmen of Building and Construction Goods
- 01.860 Salesmen of Metals
- 01.861 Salesmen of Machinery, Equipment, and Supplies
Includes such commodities as office machinery; hotel and restaurant equipment and supplies; rubber goods; printing supplies.
- 01.865 Salesmen of Paper and Paper Products
- 01.866 Salesmen of Petroleum Products
- 01.869 Salesmen of Miscellaneous Products, n. e. c. (See "Sales" function under Industrial Functions, page 43.)
- 01.870 Salesmen of Hotel Services
- 01.871 Salesmen of Radio Broadcasting Services
- 01.872 Salesmen of Printing, Publications, and Advertising
- 01.96 Sales Clerks, Dry-Cleaning and Laundry
- 01.960 Laundry Sales Clerks
- 01.97 Shoppers
- 01.971 Shopper
Includes such as Comparison Shopper; Personal Shopper; Outside Shopper

SERVICE

(02.000 through 02.999)

Domestic Service

(02.000 through 02.099)

- 02.01 Day Workers
- 02.010 Day Worker (dom. ser.)
- 02.02 Laundresses, Private Family
- 02.021 Laundress (dom. ser.)
- 02.03 Housekeepers, Private Family
- 02.030 Manager, household
- 02.031 Housekeeper, working (dom. ser.)
- 02.033 Farm Housekeeper (dom. ser.)
- 02.04 Housemen and Yardmen
- 02.040 Housemen and Yardmen
Houseman: Man-of-all-work. Yardman: Caretaker

SERVICE—Continued

Domestic Service—Continued

- 02.05 Cooks, Domestic
- 02.050 Domestic Service Cooks
Cook; Chef; Cook-on-Call; Cook's Helper; Cook-on-Call Assistant
- 02.06 Maids, General
- 02.060 Maid, General, No Cooking (dom. ser.)
- 02.061 Maid, General (dom. ser.)
- 02.062 Farm Housemaid
- 02.07 Nursemaids
- 02.070 Nursemaids
Child Monitor; Mother's Helper
- 02.08 Parlormaids
- 02.080 Parlormaid
Dining-Room Maid
- 02.09 Miscellaneous Servants, Private Family
- 02.090 Miscellaneous Servants
Includes such as Butler, Footman, Valet, Chambermaid, Personal Maid; Companion

Personal Service

(02.200 through 02.499)

- 02.21 Bartenders
- 02.210 Bartenders
Bartender; Bar Attendant; Barkeeper; Beverage Dispenser
- 02.22 Bellmen and Related
- 02.220 Bell Captains
- 02.221 Bellmen
- 02.222 Valets, Hotel
- 02.226 Receiving-Room Clerks, Hotel
- 02.227 Tourist-Camp Attendants
- 02.23 Boarding-House and Lodging House Keepers
- 02.231 Lodging House Managers
- 02.24 Housemen, Hotels, Restaurants, Etc.
- 02.241 Hotel and Restaurant Housemen
Includes such as Carpet Layer, Curtain Man, Floor Houseman, Porter, Chambermaid, Ladies Maid
- 02.25 Stewards
- 02.251 Stewards, Hotels and Restaurants
- 02.252 Housekeeper, Steward, and Hostesses; Inspectors; Linen-Room Women; House Mother
- 02.254 Kitchen Supervisors
Kitchen Supervisor; Manager Assistant, Kitchen
- 02.26 Cooks, Except Private Family
- 02.260 Chefs and Cooks, Large Hotels and Restaurants

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

SERVICE—Continued

Personal Service—Continued

- 02.26 *Cooks, Except Private Family—Continued*
Includes such as Pastry
- 02.263 Chefs and Cooks, Small Hotels and Restaurants
- 02.264 Railroad Cooks
- 02.265 Camp Cooks
- 02.266 Marine Cooks
- 02.269 Miscellaneous Cooks, n. e. c.
- 02.27 *Waiters, Except Private Family*
- 02.270 Hotel Waiters, Formal
- 02.271 Hotel Waiters, Informal
- 02.272 Cafeteria Waiters
Includes such as Salad Man and Steam Table Attendant.
- 02.276 Soda Dispensers
- 02.279 Miscellaneous Waiters, n. e. c.
- 02.28 *Ship Steward*
- 02.280 Stewards
- 02.29 *Kitchen Workers in Hotels, Restaurants, Railroads, Steamships, etc., n. e. c.*
- 02.290 Food and Beverage Preparation
Includes such as Cook's Helper; Pantryman; Sandwich Man.
- 02.295 Cleaning
Includes such as Bus Boy; Dishwasher; Silver Man.
- 02.32 *Barbers and Beauticians*
- 02.320 Barbers
- 02.321 Beauticians
Includes such as Hairdresser; Hair Stylist; Facial Operator.
- 02.323 Manicurist
- 02.324 Make-up Man
Includes such as Make-up Man; Cosmetician; Make-up Artist; Make-up Man Assistant.
- 02.34 *Bootblacks*
- 02.341 Bootblacks and Shoe Cleaners
- 02.36 *Guides, Except Hunting and Trapping*
- 02.361 Travel, Sightseeing and Institution Guides
- 02.38 *Practical Nurses*
- 02.381 First Aid Attendants and Practical Nurses
- 02.40 *Attendants, Recreation and Amusement, n. e. c.*
- 02.400 Golf Course Attendants
- 02.401 Bowling Alley and Pool Parlor Attendants
- 02.402 Commission and Amusement Device Attendants

SERVICE—Continued

Personal Service—Continued

- 02.40 *Attendants, Recreation and Amusement, n. e. c.—Continued*
Includes such as Shooting-Gallery Operator; Barker; Concession Attendant.
- 02.405 Attendants, Tennis Courts, Skating Rinks, etc.
- 02.409 Miscellaneous Attendants
- 02.42 *Attendants, Hospitals and other Institutions, n. e. c.*
- 02.421 Orderlies, Nurses Aides, and Attendants
- 02.43 *Attendants, Professional and Personal Service, n. e. c.*
- 02.430 Wardrobe and Dressing Room Attendants
- 02.431 Locker Room and Restroom Attendants
- 02.432 Bath Attendants
- 02.433 Clubhouse Attendants
- 02.434 Models and Stand-Ins
- 02.435 Checkroom Attendants
- 02.439 Miscellaneous Attendants, n. e. c.
- 02.44 *Camp Attendants*
- 02.441 Camp Attendants
- 02.45 *Doormen*
- 02.450 Doormen
- 02.47 *Apprentices to Service Occupations*
- 02.470 Cook Apprentices
- 02.471 Beauty Operator Apprentices
- 02.48 *Ushers*
- 02.481 Ushers

Protective Service

(02.600 through 02.699)

- 02.61 *Guards and Watchman, Except Crossing Watchmen*
- 02.610 Gatemen
- 02.611 Watchmen
- 02.612 Guards
Includes such as Lifeguard; Jailer; Guard, penitentiary; Fire Fighter
- 02.62 *Crossing Watchmen and Bridge Tenders*
- 02.621 Watchmen
- 02.622 Bridge Tenders
- 02.623 Toll Collectors, Highway or Bridge
- 02.63 *Firemen, Fire Department*
- 02.631 Firemen
- 02.65 *Policemen and Detectives, Except in Public Service*
- 02.650 Detectives and Policemen; includes Investigation Shoppers

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

SERVICE—Continued

Protective Service—Continued

- 02.66 *Policemen and Detectives, Public Service*
- 02.660 Police Officers
- 02.661 Detectives
- 02.662 Patrolmen and Other Nonranking
Policemen
- 02.663 Humane Officer
- 02.664 Bertillon Expert
- 02.665 F. B. I. Investigators
- 02.666 Sanitary Officer
- 02.669 Other Crime Experts
- 02.67 *Sheriffs and Bailiffs*
- 02.670 Sheriffs
- 02.672 Bailiffs

Building Service Workers and Porters

(02.800 through 02.999)

- 02.82 *Cleaners*
- 02.821 Cleaners
Includes such as Chimney Sweep; Win-
dow Cleaners; Charwomen.
- 02.84 *Janitors and Sextons*
- 02.841 Janitors
- 02.86 *Porters, n. e. c.*
- 02.861 Porters
Includes Hall Maids.
- 02.91 *Porters*
- 02.911 Pullman Porters
- 02.912 Baggage Porters
- 02.95 *Elevator Operators*
- 02.951 Elevator Operators and Starters

AGRICULTURAL, FISHERY, FORESTRY, AND
KINDRED

(03.000 through 03.999)

Agricultural, Horticultural, and Kindred

(03.000 through 03.499)

Also see "Plant Pathology, Horticulture, and
Agronomy 90, page 109

- 03.01 *Cash Grain Farmers*
- 03.011 Farmers, Cash Grain
Includes such as Rice Farmers; Wheat
Grower.
- 03.02 *Cotton Farmers*
- 03.021 Cotton Raisers
- 03.03 *Crop Specialty Farmers*
- 03.031 Farmers, other Crop Specialty
Includes such as Hay Farmer; Hop

AGRICULTURAL, FISHERY, FORESTRY, AND
KINDRED—Continued

Agricultural, Horticultural, and Kindred—Con.

- 03.03 *Crop Specialty Farmers—Continued*
Raiser; Peanut Farmer; Sugar-Beet
Grower; Tobacco Grower.
- 03.04 *Dairy Farmers*
- 03.041 Dairymen
- 03.05 *Fruit Farmers*
- 03.050 Farmer, Fruit
Includes Berry and Nut Farmers.
- 03.06 *General Farmers*
- 03.060 Farmers, General
- 03.07 *Animal and Livestock Farmers*
- 03.070 Farmers, Livestock
Includes such as Cattle Rancher; Fox
Raiser; Pigeon Fancier; Beekeeper
- 03.08 *Poultry Farmers*
- 03.081 Farmers, Poultry
- 03.09 *Truck Farmers*
- 03.091 Truck Farmer
- 03.11 *Farm Hands, Grain*
- 03.111 Farm Hands, Grain
- 03.12 *Farm Hands, Cotton*
- 03.121 Farm Hands, Cotton
- 03.13 *Farm Hands, other Crop Specialty*
- 03.130 Farm Hands, Crop Specialty
Includes such crop specialties as Sugar
Beet; Tobacco; Farm Hand, Crop
Specialty, n. e. c.
- 03.14 *Farm Hands, Dairy*
- 03.141 Farm Hands, Dairy
- 03.15 *Farm Hands, Fruit*
- 03.150 Farm Hands, Fruit
Includes Berry and Nut Farm Hands
- 03.16 *Farm Hands, General Farms*
- 03.161 Farm Hand, General
- 03.17 *Farm Hands, Animal and Livestock*
- 03.170 Farm Hands, Live Stock
- 03.171 Herdsman
- 03.18 *Farm Hands, Poultry*
- 03.181 Farm Hands, Poultry
- 03.19 *Farm Hands, Vegetable*
- 03.191 Farm Hands, Vegetable
- 03.30 *Fruit and Vegetable Graders and Packers*
- 03.300 Fruit Packers
- 03.302 Vegetable Packers
- 03.31 *Blight Control Laborers and Bindweed Erad-
icators*
- 03.311 Laborers, Blight Control
- 03.32 *Irrigation*
- 03.321 Irrigators and Ditch Tenders

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

AGRICULTURAL, FISHERY, FORESTRY, AND
KINDRED—Continued

Agricultural, Horticultural, and Kindred—Con.

- 03.35 *Farm Mechanics*
 - 03.351 Farm Mechanics
- 03.36 *Farm Couples*
 - 03.361 Farm Couples
- 03.37 *Farm Managers and Foremen*
 - 03.371 Managers
 - Includes Overseer and Superintendent
 - 03.372 Foremen
- 03.38 *Nursery Operators and Flower Growers*
 - 03.381 Flower Raisers and Nurserymen
- 03.39 *Nursery and Landscaping Laborers*
 - 03.391 Nursery Laborers
- 03.40 *Gardeners and Grounds Keepers, Parks, Cemeteries*
 - 03.400 Gardeners and Grounds Keepers
 - 03.401 Cemetery Supervisors
- 03.41 *Hatchery Men*
 - 03.411 Hatchery Men, Poultry and Fish
- 03.42 *Laborers, Hatchery*
 - 03.421 Laborers, Hatchery
- 03.43 *Stablemen and Barn Bosses*
 - 03.432 Stablemen
 - 03.433 Barn Bosses
- 03.47 *Cotton Ginners*
 - 03.471 Ginners
- 03.48 *Technical Agriculture, n. e. c.*
 - 03.480 Poultry Experts
 - Includes such as Blood Tester, Fowls; Caponizer; Chickens Sexer; Poultry Culler.
 - 03.489 Miscellaneous Technical Agriculture
 - Includes such as Agricultural Aide; Biological Aide; Cattle Dehorner.
- 03.49 *Agriculture, n. e. c.*
 - 03.492 Agriculture, General
 - Includes such as Seed Sorter; Sheep Shearer; Combine Operator; Horse Breaker.

Fishery Occupations

(03.800 through 03.899)

- 03.87 *Fishermen and Oystermen*
 - 03.870 Net and Seine Fishermen
 - 03.872 Line Fishermen
 - 03.874 Fishermen, Miscellaneous Gear
 - Includes such gear as Fish Wheel, Spear and Gaff, and Weir.
 - 03.875 Fishermen, Specific Kind of Fish
 - This Classification is for those jobs

AGRICULTURAL, FISHERY, FORESTRY, AND
KINDRED—Continued

Fishery Occupations—Continued

- 03.87 *Fishermen and Oystermen—Continued*
 - whose specialty lies in a specific kind of fish caught, such as Eel, Oyster, Swordfish, Terrapin, rather than the gear used.
 - 03.877 Seal Fishermen
 - 03.879 Miscellaneous Fishing
- 03.88 *Sponge and Seaweed Gatherers*
 - 03.880 Seaweed Gatherers
 - 03.882 Irish Moss Gatherers
 - 03.884 Sponge Fishermen, Except Divers
- 03.89 *Fishing, n. e. c.*
 - 03.890 Fishing, General
 - Includes such as Crab Inspector; Flenser; Fish Dresser.

Forestry (Except Logging), and Hunting and Trapping

(03.900 through 03.999)

- 03.91 *Forestry, Except Logging*
 - 03.910 Forestry
 - Includes such as Chipper, or Face Cutter (turpentine and resin).
- 03.96 *Hunting and Trapping Guides*
 - 03.961 Guides, Hunting and Fishing
- 03.97 *Hunters and Trappers*
 - 03.972 Hunters and Trappers

MANUFACTURING AND RELATED
ACTIVITIES

(04.010 through 05.189)

Production of Food Products

(04.010 through 04.109)

- 04.01 *Mixing of Doughs and Batters and Baking Breads and Pastries*
 - 04.011 Bakers, Except Hotel and Restaurant
 - 04.012 Molders and Formers
 - 04.013 Pie Makers
 - 04.014 Hotel and Restaurant Bakers
 - 04.015 Cookie Mixers
 - 04.016 Batter Mixers
 - 04.017 Dough Mixers
 - 04.018 Oven Tenders and Operators
 - 08.010 All Unskilled laboring jobs in this process
- 04.02 *Production of Bakery Products, n. e. c.*
 - 04.020 Ingredient Preparers and Mixers

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Food Products—Continued

04.02 *Production of Bakery Products, n. e. c.—Con.*

- 04.021 Formers and Shapers
- 04.023 Finishers and Icers
- 04.024 Slicers and Wrappers
- 04.029 Miscellaneous Producers of Bakery Products
- 08.020 All unskilled laboring jobs in this process, including such as Dough-Mixer Helpers; Ovenman Helper, Batter-Mixer Helpers; Bread-Wrapping-Machine Feeders

04.03 *Production of Beverages*

- 04.030 Production Workers, Distilled Liquors
- 04.032 Production Workers, Malt Liquors
- 04.034 Production Workers, Vinous Liquors
- 04.036 Production Workers, Nonalcoholic Beverages
- 04.037 Preparation Workers, Cider and Vinegar
- 08.030 All unskilled laboring jobs in this process, including such as Process Laborers; Still Operators; and Soft-Drink-Powder Men

04.04 *Canning and Preserving of Foods*

- 04.040 Fish Preparers
- 04.043 Cooks
- 04.045 Mixers and Miscellaneous Processors
- 04.049 Miscellaneous Canners and Preservers of Food
- 08.040 All unskilled laboring jobs in this process, including such as Process Laborers; Fruit Packers; Pickler Helpers; and Cutting-Machine Operators

04.05 *Production of Confections*

- 04.050 Preparers of Chocolate and Cocoa
- 04.051 Chewing Gum Makers
- 04.052 Candy Makers
- 04.053 Candy Coaters and Decorators
- 04.054 Candy Inspectors
- 04.055 Miscellaneous Makers of Confections, n. e. c.
- 08.050 All unskilled laboring jobs in this process, including such as Process Laborers; Cocoa Bean Roasters; Chicle-Grinder Feeders; and Bag Fillers

04.06 *Processing of Dairy Products*

- 04.060 Production workers, Ice Cream
- 04.063 Production workers, Butter
- 04.064 Production workers, Cheese

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Food Products—Continued

04.06 *Processing of Dairy Products—Continued*

- 04.065 Milk Processors and Related Jobs
Includes such as Cream Graders; Pasteurizers; and Cream Ripeners.
- 04.067 Container Washers and Related
- 08.060 All unskilled laboring jobs in this process

04.07 *Milling of Grain, Flour, Feed, and other Products*

- 04.071 Millers, except Wet Process Millers
- 04.073 Wet Process Millers
- 08.070 All unskilled laboring jobs in this process

04.08 *Production of Grain-Mill Products, n. e. c.*

- 04.080 Grain Receivers and Distributors
- 04.081 Flour Blenders and Sifters
- 04.082 Cereal Processors
- 04.083 Starch Separators
- 04.084 Production Workers, Corn Syrup and Corn Sugar
- 04.085 Grain and Grain Product Drying
- 04.086 Corn Oil Extractors
- 04.087 Feed and Cereal Blenders
- 04.089 Miscellaneous Production Workers, Grain Mill Products
- 08.080 All unskilled laboring jobs in this process, including such as Loaders; Bone-Char Operators; and Stampers

04.09 *Slaughtering and Preparation of Meat Products*

- 04.090 Poultry Processors
- 04.091 Killing Floor Jobs
- 04.092 Reducers of Carcasses and Meat Processors
- 04.094 Processors of Byproducts
- 08.090 All unskilled laboring jobs in this process, including such as Killing-Floor Laborers; Carcass Reduction Laborers; and Byproduct Laborers

04.10 *Production of Miscellaneous Food Products*

- 04.100 Processors of Coffee, Tea, and Spice
- 04.101 Makers of Leavening Agents
- 04.102 Preparers of Flavoring Extracts and Flavoring Syrups
- 04.103 Makers of Edible Oils and Fats
- 04.104 Makers of Macaroni and Related Products
- 04.105 Nut Processors
- 04.106 Ice Makers

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Food Products—Continued

04.10 *Production of Miscellaneous Food Products—Continued*

- 04.107 Oleomargarine Processors
- 04.108 Sugar Refiners
- 04.109 Producers of Miscellaneous Food Products
- 08.100 All unskilled laboring jobs in this process

Manufacture of Tobacco Products

(14.120 through 04.129)

04.12 *Manufacture of Tobacco Products*

- 04.120 Blenders, Stemmers, and Conditioners of Leaf Tobacco
- 04.121 Preparers of Flavoring Mixtures
- 04.122 Cutters and Shredders of Tobacco
- 04.123 Cigar Makers
- 04.124 Cigarette Makers
- 04.125 Preparers of Chewing and Smoking Tobacco
- 04.126 Snuff Makers
- 04.129 Miscellaneous Processors of Tobacco
- 08.120 All unskilled laboring jobs in this process including such as Humidor-Room Workers; Ripping-Machine Feeders; Conveyor Feeders; and Revenue Stampers

Production of Textiles

(04.140 through 04.199)

04.14 *Manufacture of Knit Goods*

- 04.140 Machine Knitters
- 04.141 Hand Knitters
- 04.142 Crocheters
- 04.143 Boarders
- 04.144 Inspectors
- 04.145 Menders
- 04.146 Pairers and Sorters
- 04.147 Loopers
- 04.148 Toppers
- 04.149 Miscellaneous makers of knit goods, including such as Knit-Back-Machine Operators; Board Makers; Autolap-Machine Operators; and Hand Top Stretchers
- 08.140 All unskilled laboring jobs in this process, including all Process Laborers in the Hosiery and Knit Goods industries

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Textiles—Continued

04.15 *Textile Weaving*

- 04.150 Weavers
- 04.153 Loom Changers
- 04.157 Loom Fixers
- 08.150 All unskilled laboring jobs in this process

04.18 *Nonprocess Manufacture of Textiles, n. e. c.*

- 04.180 Nonprocess Jobs in the Manufacture of Knit Goods, n. e. c.
- 04.182 Nonprocess Jobs in the Manufacture of Yarn, Thread, and Textile Fabrics
- 08.180 All unskilled laboring jobs in this process

04.19 *Manufacture of Textiles, n. e. c.*

- 04.190 Carders, Combers, Drawers, and Related
- 04.191 Spinners
- 04.192 Twisters
- 04.193 Reelers, Spoolers, and Winders
- 04.194 Beamers and Warpers
- 04.195 Cloth and Yarn Washers and Bleachers, and Related
- 04.196 Burlers and Menders
- 04.197 Mercerizers, Sizers, and Related
- 04.198 Cloth and Yarn Blockers, Dryers, Steamers, and Ironers
- 04.199 Cloth Winders, Folders, and Measurers
- 04.200 Cloth Shrinkers
- 04.201 Final Inspectors
- 04.202 Makers of Artificial Leather, n. e. c.
- 04.203 Makers of Carpets and Rugs, n. e. c.
- 04.204 Makers of Felt Goods, n. e. c.
- 04.205 Makers of Linoleum, n. e. c.
- 04.206 Makers of Textile Bags, n. e. c.
- 04.207 Makers of Cordage, Twine, Nets, and Seines, n. e. c.
- 04.208 Preparers and Adjusters of Looms, n. e. c.
- 04.209 Miscellaneous Makers of Textiles
- 08.190 All unskilled laboring jobs in this process, including Process Laborers in the Artificial Leather, Carpet, Felt Goods, Linoleum, Textile Bag, and Carpet Industries

Production of Fabricated Textile Products

(04.210 through 04.279)

04.21 *Fabrication of Fur Goods, n. e. c.*

- 04.210 Furriers and Fur Finishers

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Production of Fabricated Textile Products—Con.*04.21 *Fabrication of Fur Goods, n. e. c.—Continued*

- 04.211 Fur Processors
- 04.214 Fur Sorters
- 08.210 All unskilled laboring jobs in this process

04.23 *Designers and Makers of Millinery*

- 04.231 Millinery Makers
- 04.233 Millinery Designers
- 08.230 All unskilled laboring jobs in this process

04.24 *Manufacture of Hats and Caps, n. e. c.*

- 04.240 Hat Hardeners
- 04.241 Hat Formers
- 04.242 Hat Blockers and Pressers
- 04.243 Hat and Cap Makers, n. e. c.
- 04.244 Hat Sizers
- 04.245 Hat Poncers
- 04.246 Hat Finishers and Trimmers
- 04.247 Hat Sewers
- 04.248 Preparers of Hat Fur
- 04.249 Hat Rounders
- 08.240 All unskilled laboring in this process, including such as Hand Cutter Helpers; Dry-Room Attendants; and Hat-Blocker Helpers

04.25 *Fabrication, Repair, and Fitting of Miscellaneous Wearing Apparel and Other Articles Made of Textiles.*

- 04.250 Makers and Fitters of Wearing Apparel; includes Dressmaker
- 04.251 Reweavers
- 04.252 Miscellaneous Sewers, n. e. c.
- 04.253 Alteration Workers and Menders
- 04.254 Makers of House Furnishings
- 04.259 Tailors
- 08.250 All unskilled laboring jobs in this process

04.27 *Fabrication of Textile Products, n. e. c.*

- 04.270 Layers-out and Markers
- 04.271 Cutters
- 04.272 Hand Sewers
- 04.273 Inspectors, Matchers, and Sorters
- 04.274 Finishers and Trimmers
- 04.275 Embroiderers
- 04.276 Menders
- 04.277 Patternmakers and Pattern Cutters
- 04.278 Makers of Canvas Products, n. e. c.
- 04.279 Pressers and Shapers; Corsetier
- 04.280 Creasers and Pleaters

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Production of Fabricated Textile Products—Con.*04.27 *Fabrication of Textile Products, n. e. c.—Con.*

- 04.281 Drying Machine Operators
- 04.282 Cloth Riveters
- 04.283 Standard Sewing Machine Operators, except Garment
- 04.284 Standard Sewing Machine Operators, Garment
- 04.285 Special Sewing-Machine Operators, Garment, including such as Buttonhole-Machine Operators; Gathering-Machine Operators; Shirring-Machine Operators; and Tucking-Machine Operator
- 04.289 Miscellaneous Fabricators of Textile Products, n. e. c.
- 08.270 All unskilled laboring jobs in this process, including such as Basting Pullers; Grommet-Machine Operators; Mangle Catchers; and Bag Clippers

Production of Lumber and Lumber Products

(04.290 through 04.399)

04.29 *Inspection, Scaling, and Grading of Logs and Lumber*

- 04.290 Log Inspectors, Graders and Scalers
- 04.295 Lumber Inspectors, Graders, and Scalers
- 04.290 All unskilled laboring jobs in this process

04.30 *Lumbering, Lumber Transporting, and Wood Chopping*

- 04.300 Timber Cutters
- 04.303 Log Transporters, including such as Pondmen; Top Loaders; Chute Tenders; and Rigging Slingers.
- 04.309 Miscellaneous Lumberman, Raftsmen, and Woodchoppers
- 08.300 All unskilled laboring jobs in this process, including such as Brush Pilers, Donkey Tenders; Doggers; Skidders; and Swampers

04.31 *Sawmill Operation, n. e. c.*

- 04.310 Log Sawyers (Preliminary), including such as Dragsaw Operators and Timber Trimmers
- 04.311 Log Sawyers (Size), including such as Bank-Sawmill Operators; Single-Saw Operators; Circular-Headsaw Operators; and Veneer Sawyers
- 04.312 Resawyers and Trimmers
- 04.318 Miscellaneous Jobs in Sawmill Operation

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Lumber and Lumber Products—Con.

- 04.31 *Sawmill Operation, n. e. c.—Continued*
08.310 All unskilled laboring jobs in this process, including such as Cant Setters; Edger-Man Helpers; Peelers; Slasher Operators; and Hand Timber Trimmers
- 04.32 *Cabinetmaking*
04.321 Cabinetmakers
- 04.33 *General Woodworking, n. e. c.*
04.330 Hand and Machine Sanders
04.331 Woodworking Sawyers
04.332 Grooving, Mortising, and Tenoning Machine Operators
04.333 Wood Carvers, Shapers, and Turners
04.334 Boring and Routing Machine Operators
04.335 Jointing and Planing Machine Operators
04.339 Miscellaneous Woodworkers
08.330 All unskilled laboring jobs in this process, including such as Carving Sanders; Millman Helpers; Off-Bearers; and Nailers
- 04.34 *Planing Mill Operations, n. e. c.*
04.340 Planing Mill Operators
08.340 All unskilled jobs in this process, including such as Dowell-Inserting-Machine-Operator Helpers; Off-Bearers; Pluggers; Linderman Feeders
- 04.35 *Upholstering*
04.351 Upholsterers of Springless Cushions and Pads
04.352 Mattress Renovators
04.354 Automobile Upholsterers
04.356 Furniture Upholsterers
04.358 Casket Coverers and Liners
08.350 All unskilled laboring jobs in this process
- 04.36 *Manufacture of Furniture, n. e. c.*
04.360 Assemblers of Furniture and Furniture Parts
04.363 Inspectors and Graders of Furniture and Furniture Parts
04.364 Process Upholsters of Furniture, Mattresses and Bedspings
04.365 Furniture Repairmen
04.366 Makers of Mattresses and Bedspings, n. e. c.
04.367 Makers of Furniture, n. e. c.
08.360 All unskilled laboring jobs in this process, including such as Bench Assem-

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Lumber and Lumber Products—Con.

- 04.36 *Manufacture of Furniture, n. e. c.—Continued*
blers; Drawer Liners, Picking-Machine Operators; and Helical Looper Operators
- 04.38 *Cooperage, n. e. c.*
04.381 Operators of Cooperage Machines
04.383 Makers of Barrels and Tanks
04.385 Inspectors
04.389 Miscellaneous Coopers
08.380 All unskilled laboring jobs in this process, including such as Barrel-Charrer Helpers; Bung-hole Reamers; Cooper Helpers; and Keg Varnishers
- 04.39 *Manufacture of Miscellaneous Finished Lumber Products, n. e. c.*
04.390 Makers of Baskets and other Rattan and Willow Ware
04.391 Makers of Wooden Boxes, n. e. c.
04.392 Makers of Cigar Boxes
04.393 Makers of Mirror and Picture Frames
04.394 Makers of Caskets and other Mortician's Goods, n. e. c.
04.395 Makers of Lasts and other Shaped Wooden Articles, n. e. c.
04.396 Wood Preservers
04.397 Veneer Makers
04.398 Makers of Window Shades and Fixtures
04.399 Insulators and Builders of Refrigerator Cabinets, n. e. c.
04.400 Match Manufacturing Jobs
04.401 Makers of Excelsior, n. e. c.
04.402 Makers of Cork Products
04.409 Miscellaneous Makers of Finished Lumber Products
08.390 All unskilled laboring jobs in this process, including such as Band Nailers; Box, Gluers; Cleat Layers; Thumbers; and Corner Formers

Production of Paper and Paper Goods

(04.410 through 04.429)

- 04.41 *Manufacture of Paper and Pulp*
04.410 Preparers of Pulpwood
04.411 Beaters and Screeners of Pulpwood
04.412 Acid, Bleach, and Size Makers
04.414 Calender Operators, Sizers and Related
04.418 Miscellaneous jobs in the manufacture of Paper and Pulp

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Production of Paper and Paper Goods—Continued**04.41 Manufacture of Paper and Pulp—Continued*

08.410 All unskilled laboring jobs in this process, including such as Block Handlers; Chip-Bin Man; Conveyor Men; and Wood Sorters

04.42 Manufacture of Paper Goods

04.420 Paper Cutters

04.222 Sealcone Makers

04.423 Makers of Paper Boxes

04.424 Jobs in the Manufacture of Paper Bags

04.425 Liners of Paper Boxes

04.429 Miscellaneous Jobs in the Manufacture of Paper Goods, including such as Paper-Pattern Inspector; Envelope-Machine Operators; and Paper Novelty Makers

08.420 All unskilled laboring jobs in this process, including such as Hand Benders; Cone Treaders; Paper-Tube-Machine Tenders; Paper Balers; and Wrapping-Machine Operators

Printing and Publishing Occupations

(04.440 through 04.490)

04.44 Composing and Typesetting

04.440 Hand Typesetters and Composers

04.441 Machine Typesetters and Composers

04.442 Make-up and Lock-up Men

04.45 Electrotyping and Stereotyping

04.450 Electrotypers

04.452 Stereotypers

04.46 Lithography

04.461 Stone Engravers

04.462 Photolithographers

04.463 Transferrers

04.464 Hand Transfers

04.467 Lithographic Art Workers

04.47 Photoengraving

04.471 Photoengravers

04.472 Photoengraving Printers

04.48 Press Operation and Plate Printing

04.480 Cylinder Press Operators

04.482 Platen-Press Operators

04.489 Press Operators and Plate Printers, n. e. c.

04.49 Printing and Publishing, n. e. c.

04.490 Bookbinders, including such as Folding Machine Operators; Gathering-Machine

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Printing and Publishing Occupations—Continued**04.49 Printing and Publishing, n. e. c.—Continued*

Operators; Rounders; Hand Stitchers; and Book Repairers

04.492 Blockers and Routers

04.493 Machine Type-Casters

04.494 Press Feeders

04.495 Proof Press Operators

04.496 Wallpaper Printers

04.497 Rotogravure Retouchers and Stagers

04.499 Miscellaneous Printing and Publishing Jobs

08.490 All unskilled laboring jobs in this process

Production of Chemicals and Chemical Products

(04.500 through 04.549)

04.50 Production of Paint and Varnish

04.500 Mixers and Blenders

04.501 Grinders of Ingredients

04.502 Lead Furnace Tenders

04.503 Thinners

04.504 Powder Stampers and Colorers

04.505 Kettle Tenders

04.506 White Lead Makers

04.509 Miscellaneous Jobs in the Manufacture of Paint and Varnish, including such as Putty Makers; Varnish Inspectors; Centrifuge Operators; and Lead-Reclaimer Operators

08.500 All unskilled laboring jobs in this process, including such as Disintegrator Feeders; Heading-Up-Machine Man; Tanbark-Loader Operators; and Water-Grinder Helpers

04.51 Production of Rayon and Allied Products

04.510 Acid Workers

04.512 Coagulating Bath Mixers

04.519 Miscellaneous Jobs in the Production of Rayon and Allied Products, n. e. c.

08.510 All unskilled laboring jobs in this process

04.52 Production of Industrial Chemicals

04.520 Makers of Cottonseed and Linseed Products

04.521 Processors of Crude, Animal, and Vegetable Oils, n. e. c.

04.522 Production Worker, Fertilizer

04.523 Refiners of Salt

04.524 Production Worker, Explosives, n. e. c.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

*Production of Chemicals and Chemical Products—
Continued*

- 04.52 *Production of Industrial Chemicals—Con.*
04.525 Makers of Tanning Materials and Related Products
04.526 Processors of Coal Tar Products
04.528 Makers of Plastic Materials
04.529 Production Worker, Miscellaneous Chemicals
08.520 All unskilled laboring jobs in this process
- 04.53 *Production of Chemical Products, n. e. c.*
04.530 Makers of Drugs, Cosmetics, and Related Products
04.531 Production Worker, Soap
04.532 Wood Distillers and Producers of Charcoal, Turpentine, and Rosin
04.533 Alcohol Distillers
04.534 Glue and Gelatin Makers
04.535 Fireworks Makers
04.536 Celluloid Makers; includes Color Watchers; Kettle Operators; Sheet Planners; Roll Men; and Vertical Hydraulic Stuffers
04.537 Ink Makers
04.538 Makers of Bone Black, Carbon Black, and Lampblack
04.539 Production Workers, Chemical Products, n. e. c.
08.530 All unskilled laboring jobs in this process, including such as Soap Grinders; Charcoal Baggers; Retort Forkers; Bone Pressers; and Kettle Loaders
- 04.54 *Production of Ammunition*
05.540 Ammunition Makers
08.540 All unskilled laboring jobs in this process

*Production of Petroleum and Coal Products
(04.550 through 04.569)*

- 04.55 *Refining of Petroleum*
04.550 Still Operators
04.551 Paraffin Plant Operators
04.552 Products Treaters
04.553 Products Reclaimers
04.554 Production Workers, Coke and Gas
04.555 Makers of Asphalt and Paving Materials
04.556 Makers of Asphalt Roofing Materials

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Production of Petroleum and Coal Products—Con.

- 04.55 *Refining of Petroleum—Continued*
04.557 Miscellaneous jobs in the Manufacture of Petroleum and Coal Products
08.550 All unskilled laboring jobs in this process, including such as Acid-Retort-Operator Helpers; Filter-Plant Laborers, and Can Fillers

*Production of Rubber Goods
(04.570 through 04.579)*

- 04.57 *Production of Rubber Goods*
04.570 Millers, Compounders, and Reclaimers of Rubber
04.571 Builders of Tires
04.572 Rubber Curers
04.573 Tire Finishers
04.574 Makers of Rubber Hose
04.575 Calenders and Fabric Coaters
04.577 Rubber Dippers
04.578 Formers of Rubber by Extrusion
04.579 Miscellaneous jobs in the production of Rubber Goods, including such as Polishers and Golf-Ball Winders
08.570 All unskilled laboring jobs in this process, including such as Banbury-Mixer Helpers; Bead Buffers; Inner-Tube Buffers; Tire Strippers; and Valve Fitters

04.576 *Builders of Tire Beads and Inner-Tubes*

*Manufacture of Leather and Leather Products
(04.580 through 04.639)*

- 04.58 *Manufacture of Leather*
04.580 Flesh and Hair Removers
04.581 Hide Trimmers and Cutters
04.582 Leather Stretchers
04.583 Hide Picklers, Limers, and Bleachers
04.584 Oil and Grease Removers
04.585 Hide Greasers, Oilers, and Softeners
04.586 Leather Repairers
04.587 Leather Colorers
04.588 Leather Dopers
04.589 Leather Ironers
04.590 Leather Grainers and Softeners
04.591 Leather Brushers, Buffers, Polishers, and Roughers
04.592 Solution Mixers
04.593 Inspectors and Checkers
04.594 Hair Processors

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Manufacture of Leather and Leather Products—
Continued**04.58 Manufacture of Leather—Continued*

- 04.595 Tanners
- 04.599 Miscellaneous jobs in the manufacture of leather, including such as Delimers; Sorters; Spanishers; Splitting-Machine Feeders; and Press Operators
- 08.580 All unskilled laboring jobs in this process, including such as Beam Men; Crop Dippers; Dampeners; Driers; Leather Wipers; and Strippers

*04.60 Shoemaking and Shoe Repairing, Not in
Factory*

- 04.600 Shoemakers, Shoe Repairmen, and Cobblers

04.61 Manufacturer of Boots and Shoes

- 04.610 Cutters
- 04.611 Hand Trimmers
- 04.612 Shoe Parts Assemblers
- 04.613 Markers
- 04.614 Stitchers and Sewers
- 04.615 Channelers
- 04.616 Folders and Cementers
- 04.617 Taperers and Reinforcers
- 04.618 Ironers, Pressers, and Rubbers
- 04.619 Leather Softeners and Flexers
- 04.620 Heel Builders
- 04.621 Buttonhole Makers and Finishers
- 04.622 Sole Levelers
- 04.623 Bevelers
- 04.624 Staplers
- 04.625 Wooden Heel Attachments
- 04.626 Hole Punchers
- 04.627 Nailers
- 04.628 Riveters
- 04.629 Lasters
- 04.630 Molders
- 04.631 Pounders
- 04.632 Rollers
- 04.633 Last Pullers
- 04.634 Tack Pullers
- 04.635 Buffers, Polishers, and Cleaners
- 04.636 Sorters, Graders, and Inspectors
- 04.637 Patternmakers
- 04.638 Last Repairman
- 04.639 Miscellaneous jobs in the manufacture of boots and shoes, including such as Bobbin Winders; Interlacers; Perforators; Welt-Upper Coverers; Bucklers-in; and Heel Prickers

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Manufacture of Leather and Leather Products—
Continued**04.61 Manufacturer of Boots and Shoes—Continued*

- 08.610 All unskilled laboring jobs in this process, including such as Cementers; Tackers; Inkers; Maters; Sole Painters; and upper Wetters and Mullers

*04.64 Manufacture of Leather Products other than
Boots and Shoes*

- 04.641 Jobs in the Manufacture of Miscellaneous Leather Products, including such as Glove Cutters; Harness Fitters; Leather Riveters; Leather Weavers; Skivers; and Case Makers
- 08.640 All unskilled laboring jobs in this process

Production of Stone, Clay, and Glass Products

(04.650 through 04.709)

04.65 Production of Glass Products

- 04.650 Melters
- 04.651 Cutters, Grinders, Frosters, and Polishers
- 04.652 Formers, Pressers, and Blowers of Glass
- 04.653 Producers of Flat Glass, n. e. c.
- 04.654 Calibrators and Markers of Glassware
- 04.655 Formers, Pressers, and Blowers of Glass
- 04.656 Annealers of Glass
- 04.659 Miscellaneous jobs in the Manufacture of Glass and Glass Products, including such as Glass Artists; Pyroglazers; Inspectors, and Mirror Silverers
- 08.650 All unskilled laboring jobs in this process, including such as Mixers; Strippers; Fillers; Glass Breakers; and Cappers

04.66 Production of Clay Products

- 04.660 Clay Grinders and Mixers
- 04.661 Glaze Makers
- 04.662 Brick Formers
- 04.663 Tile and Pipe Formers
- 04.664 Colorers and Decorators of Brick, Tile, and Similar Products
- 04.665 Kiln Operators
- 04.666 Testers and Sorters of Brick and Tile
- 04.667 Mold and Sagger Builders
- 04.668 Makers of Pottery and Porcelain Ware

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

*Production of Stone, Clay, and Glass Products—
Continued*

04.66 *Production of Clay Products—Continued*

- 04.669 Miscellaneous Jobs in the Production of Clay Products
- 08.660 All unskilled laboring jobs in this process, including such as Batch Mixers; Brick-Machine Off-Bearers; Brick Tossers; Jackhammer Operators; Kiln Drawers; and Setter Helpers

04.67 *Production of Cement, Concrete, Gypsum, and Plaster Products*

- 04.670 Production Workers, Cement
- 04.673 Production Workers, Lime
- 04.676 Production Workers, Concrete Products
- 04.677 Production Workers, Statuary and Art Goods
- 04.678 Production Workers, Wallboard and other Plaster Products, n. e. c.
- 08.670 All unskilled laboring jobs in this process

04.68 *Stonecutting*

- 04.681 Stone Carvers
- 04.682 Stonecutters

04.69 *Stoneworking, n. e. c.*

- 04.690 Stone Sawyers
- 04.691 Machine Stoneworkers
- 04.692 Hand Stoneworkers
- 04.693 Stone Inspectors
- 04.694 Patternmakers and Tracers
- 08.690 All unskilled laboring jobs in this process

04.70 *Production of Asbestos Products, Abrasives and Polishing Products*

- 04.700 Production Worker, Asbestos Products
- 04.703 Production Worker, Abrasives and Polishing Products
- 04.705 Makers of Pipe Covering, Gaskets, and Related Products
- 04.706 Makers of Graphite
- 04.707 Processors of Minerals and earths
- 08.700 All unskilled laboring jobs in this process

Metalworking

(04.710 through 04.959)

04.71 *Watchmaking, Goldsmithing, and Silver-smithing*

- 04.710 Jewelers and Stonesetters

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Metalworking—Continued

04.71 *Watchmaking, Goldsmithing, and Silver-smithing—Continued*

- 04.712 Gem Cutters and Examiners
- 04.713 Silversmiths and Goldsmiths
- 04.715 Watchmakers

04.72 *Manufacture of Clocks, Watches, Jewelry, and Articles of Precious Metals, n. e. c.*

- 04.720 Fabricators of Clock and Watch Parts
- 04.721 Assemblers of Clocks and Watches
- 04.722 Adjusters, Inspectors, and Testers of Clocks and Watches
- 04.723 Grinders, Brushers, and Polishers of Watches
- 04.724 Jewelry Fabricators
- 04.725 Melters and Casters of Jewelry
- 04.726 Platers and Decorators of Jewelry
- 04.727 Cleaners and Polishers of Jewelry
- 04.729 Miscellaneous jobs in the fabrication of Jewelry, Clocks and Watches
- 08.720 All unskilled laboring jobs in this process

04.73 *Engraving*

- 04.730 Hand Engravers
- 04.735 Machine Engravers
- 04.739 Miscellaneous Engravers

04.74 *Electroplating, Galvanizing, and Related Processes*

- 04.740 Electroplaters
- 04.741 Dip Platers
- 04.742 Inspectors
- 04.749 Miscellaneous jobs in electroplating, Dip Plating, and Related Processes
- 08.740 All unskilled laboring jobs in this process, including such as Plater Helpers; and Cleaners

04.75 *Machine Tool Operation*

- 04.750 Machinists, including All Around Machinists; Construction Machinists; Automobile Machinists; and Journeyman Machinists
- 04.751 Bench Fitters, Bench Machinists, and Lay-out Men
- 04.752 Machine Set-up Men and Adjusters

04.76 *Tool and Die Sinking and Setting*

- 04.760 Tool and Die Makers and Setters
- 04.762 Tool Inspectors

04.77 *Filing, Grinding, Buffing, and Polishing*

- 04.770 Buffers and Polishers
- 04.773 Burnishers
- 04.775 Filers

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Metalworking—Continued*04.77 *Filing, Grinding, Buffing, and Polishing—*
Continued

04.777 Grinders

04.78 *Machine Shop and Related, n. e. c.*

04.780 Engine Lathe Operators

04.781 Turret Lathe Operators

04.782 Milling Machine Operators

04.783 Boring Machine Operators

04.784 Broaching Machine Operators

04.785 Drill Press Operators

04.786 Keyseating Machine Operators

04.787 Gear Cutting and shaping Machine
Operators04.788 Tapping and Threading Machine Op-
erators

04.789 Centering Machine Operators

04.790 Special Lathe Operators

04.791 Special Drilling, Boring, and Reaming
Machine Operators

04.792 Miscellaneous Machining Jobs

04.793 Precision Honers and Lappers

04.794 Precision Grinding Machine Operators

04.795 Metal Sawing Machine Operators

04.796 Machine Assemblers

04.797 Inspectors and Testers

04.799 Miscellaneous Machine Shop Jobs, in-
cluding such as Balancing-Machine Op-
erators; Mold Stampers; Benders; and
Model Makers08.780 All unskilled laboring jobs in this proc-
ess, including such as Air-Chuck Op-
erators; Babbitters; Gear Cleaners;
Snag Grinder; and Tool Markers04.80 *Sheet Metal Working*

04.801 Sheet-Metal Workers

04.81 *Foundry Moulding*

04.810 Bench Molders

04.811 Floor Molders

04.812 Machine Molders

04.82 *Foundry Operation, n. e. c.*

04.820 Core Makers

04.821 Sandblasters and Tumbling Barrel
Operators

04.822 Sand Preparers and Mixers

04.824 Flask Makers

04.829 Miscellaneous Foundry Jobs

08.820 All unskilled laboring jobs in this proc-
ess, including such as Casting Clearers;
Casting Picklers; Flask Carriers; Fire-
men; and Ladle SkimmersMANUFACTURING AND RELATED
ACTIVITIES—Continued*Metalworking—Continued*04.83 *Boilermaking*

04.830 Boilermakers.

04.84 *Structural and Ornamental Metal Work*

04.841 Field Assemblers and Erectors

04.844 Field Riveters

04.845 Structural and Ornamental Metal
Workers, Shop04.849 Miscellaneous Structural and Ornamen-
tal Metal Workers08.840 All unskilled laboring jobs in this
process04.85 *Welding and Flame Cutting*

04.851 Welders

04.853 Burners

04.857 Brazers

04.86 *Smithing and Forging*

04.860 Blacksmiths and Hand Forgemen

04.861 Hammersmiths and Machine Forgemen

04.863 Horseshoers and Farriers

04.87 *Heating Treating, Annealing, and Tempering*

04.870 All around Heat Treaters

04.871 Annealers

04.872 Hardeners

04.873 Temperers

04.879 Miscellaneous Heat Treaters, Anneal-
ers, and Temperers08.870 All unskilled laboring jobs in this
process04.88 *Mechanical Treatment of Metals (Rolling,
Stamping, Forging, Pressing, etc.) n. e. c.*04.880 Sheet and Bar Rollers, Heaters, Feed-
ers, and Catchers

04.881 Conveyers of Sheets and Bars

04.882 Testers and Gagers of Sheets and Bars

04.883 Pipe Makers and Wire Drawers

04.884 Arbor and Straightening Press Opera-
tors

04.885 Forming and Punching Press Operators

04.886 Sawing and Shearing Machine Opera-
tors04.887 Forgers of Steel Plate and Metal
Forgers04.888 Miscellaneous Jobs in the Mechanical
Treatment of Metals

08.880 Unskilled Laboring Jobs in this process

04.90 *Ore Dressing*04.900 Separators of Metals or Minerals from
Ore04.901 Operators of Ore Grinding and Milling
Machinery

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Metalworking—Continued

- 04.90 *Ore Dressing—Continued*
 04.909 Miscellaneous Ore Dressing Jobs
 08.900 Unskilled Laboring jobs in this process
- 04.91 *Furnace Operation, Smelting, and Pouring*
 04.910 Furnace Chargers
 04.913 Furnace Tenders
 04.916 Pourers, Ladle Men, and Tappers
 04.919 Miscellaneous Jobs in Furnace Operation, Smelting, and Pouring
 08.910 Unskilled laboring jobs in this process
- 04.92 *Production of Ferrous and Nonferrous Metals, n. e. c.*
 04.920 Producers of Ferrous Metals, n. e. c.
 04.921 Testers and Samplers, n. e. c.
 04.928 Producers of nonferrous metals and alloys, n. e. c.
 08.920 All unskilled laboring jobs in this process
- 04.93 *Fabrication of Metal Products, n. e. c.*
 04.930 Makers of Tin Cans and other Tinware, n. e. c.
 04.931 Makers of Wire and Wire Products, n. e. c.
 04.932 Makers of Firearms, n. e. c.
 04.933 Makers and Assemblers of Cutlery, tools, and Hardware, n. e. c.
 04.934 Makers of Heating Apparatus and Plumbers Supplies, n. e. c.
 04.935 Makers of Miscellaneous Ordnance Materials, n. e. c.
 04.936 Makers of Miscellaneous Iron and Steel Products, n. e. c.
 04.937 Enamellers of Metal Products, n. e. c.
 04.941 Makers of Nonferrous Metal Products, n. e. c.
 04.942 Sheet Metal Workers, n. e. c.
 04.943 Jobs in the Manufacture of Agricultural Machinery and Equipment, n. e. c.
 04.944 Makers and Assemblers of Office and Store Machines, Equipment, and supplies, n. e. c.
 04.945 Makers and Assemblers of Refrigerating Machinery and Equipment, n. e. c.
 04.946 Makers of Lighting Fixtures, n. e. c.
 04.947 Fabricators, assemblers, and Inspectors, of Machinery, n. e. c.
 08.930 All unskilled laboring jobs in this process

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Metalworking—Continued

- 04.95 *Inter-Industry Metalworking*
 04.950 Solderers
 04.951 Lead Burners
 04.952 Riveters and Riveting Machine Operators
 04.953 Binders, Cutters, and Threaders of Pipe and Tubes
 08.950 All unskilled laboring jobs in this process
- Electrical Work and the Manufacture of Electrical Equipment*
 (04.970 through 05.009)
- 04.97 *Electrical Work*
 04.970 Construction Electricians
 04.971 Stage and Motion Picture Electricians
 04.972 Ship Electricians
 04.974 Electrical Servicemen and Repairmen
 04.975 Power-House Electricians
 04.976 Miscellaneous Electricians
 04.978 Storage Battery Repairmen and Battery Chargers
 08.970 All unskilled laboring jobs in this process
- 04.98 *Manufacture of Radios and Phonographs*
 04.981 Makers, Assemblers, and Testers of Radios and Radio Parts
 04.985 Makers, Assemblers and Testers of Phonographs and Phonograph Records
 08.980 All unskilled laboring jobs in this process
- 04.99 *Manufacture of Electrical Machinery and Accessories, n. e. c.*
 04.990 Winders of Coils, and Armatures
 04.991 Banders and Tapers of Armatures and Coils
 04.993 Enamellers, Varnishers, and Finishers
 04.994 Balancers, Static and Dynamic
 04.995 Inspectors
 04.996 Miscellaneous Jobs in the Manufacture of Motors and Generators, including such as Wire-Brush Makers; Electrical Lay-out Men; and Breaker-Box Assemblers.
 04.997 Makers of Insulated Wire Cable
 08.990 All unskilled laboring jobs in this process

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Electrical Work and the Manufacture of Electrical
Equipment—Continued*05.00 *Manufacture of Miscellaneous Electrical
Equipment, n. e. c.*

- 05.000 Makers of light bulbs and radio tubes, including such as Sealing-Machine Operators; Gettering-Filament-Machine Operators; Bulb Branders; and Exhaust Operators.
- 05.001 Makers of Storage Batteries, including such as Battery Assemblers; Coating-Machine Operators; Grooving-Machine Operators; Lead Parts Casters; and Plate Drying-Machine Operators
- 05.002 Fabricators of Electrical Wire and Cable from Drawn Wire
- 05.003 Makers and Assemblers of Communications Equipment
- 05.004 Makers and Assemblers of Refrigeration Equipment
- 05.009 Makers and Assemblers of Miscellaneous Electrical Equipment, n. e. c.
- 09.000 All unskilled laboring jobs in this process, including such as Paper-Wrapping-Machine Operators; Lead-Kettle Operators; Saggermen; and Rubber Stainers

Manufacture of Transportation Equipment

(05.020 through 05.059)

05.02 *Manufacture of Automobiles, n. e. c.*

- 05.020 Fabricators of Automobile Parts, including such as Cylinder-Block-Rolling-Machine Operators; Radiator-Core Dippers; Torch Solderers; and Truck Men
- 05.023 Assemblers of Automobile, including such as General Assemblers; Door Panelers; Headlight Adjusters; Spring Fitters; and Door Adjusters
- 05.027 Inspectors, Testers, and Related
- 05.029 Miscellaneous jobs in the manufacture of Automobiles
- 09.020 All unskilled laboring jobs in this process, including such as Binding Appliers; Clutch Assemblers; Hair-Picking-Machine Operators; Wheel-Assemblers; and Wire Strippers

MANUFACTURING AND RELATED
ACTIVITIES—Continued*Manufacture of Transportation Equipment—Con.*05.03 *Building of Aircraft, n. e. c.*

- 05.030 Fabricators of Aircraft Parts, including such as Airplane Coverers; Spar Builders; and Wing-Frame Builders
- 05.035 Assemblers of Aircraft, including such as Detail Assemblers; Aircraft Riveters; and Skin Men
- 05.038 Inspectors and Testers

05.05 *Building Transportation Equipment (Except
Automobiles and Aircraft), n. e. c.*

- 05.050 Builders of Railroad and Railway Cars and Locomotives, n. e. c., including such as Wheel Mounters; Wheel-Press operators; Car Trimmers; and Band-Trimmed Operators
- 05.051 Makers of Motorcycles, Bicycles, and Parts
- 05.052 Makers of Military Tanks
- 05.055 Builders of Ships and Boats, including such as Ship Riggers; Wood Caulkers; Hull inspectors; and Joggers
- 05.059 Miscellaneous Jobs in the Manufacture of Transportation Equipment
- 09.050 All unskilled laboring jobs in this process, including such as Babbitter Helpers; Riveter Helpers; Tender-Frame-Repairmen Helpers; Boatbuilder Helpers; Ship-Rigger Helpers; and Painter, Helper

Manufacture of Miscellaneous Products

(05.080 through 05.139)

05.08 *Manufacture of Spectacles and Spectacle
Lenses*

- 05.080 Opticians, Lens Grinders, and Lens Polishers
- 05.085 Makers of Spectacle Frames, Lens Mounters, and Adjusters

05.09 *Manufacture of Professional and Scientific
apparatus, n. e. c.*

- 05.091 Makers of Measuring Instruments
- 05.092 Makers of Photographic Apparatus and Materials
- 05.095 Orthopedic Technicians and other Makers of Surgical Appliances
- 05.096 Dental Technician
- 09.090 All unskilled laboring jobs in this process

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Manufacture of Miscellaneous Products—Continued

05.10 *Piano and Organ Tuning*

- 05.100 Piano Tuners
- 05.105 Organ Tuners.

05.12 *Manufacture of Miscellaneous Products*

- 05.120 Makers of Fabricated Plastic Products, including such as Plastic Mixers and Plastic Polishers
- 05.121 Makers of Wood and Metal Toys and Games
- 05.122 Makers of Sporting and Athletic Goods, including such as Golf Club Makers; Fly Tiers; and Tennis Racquet Stringers
- 05.123 Makers of Pencils and Crayons
- 05.124 Makers of Buttons, including such as Button - Cutting - Machine Operators; Polishers; and Hand Splitters
- 05.125 Makers of Artificial Flowers
- 05.126 Makers of Signs and Advertising Displays, including such as Lay-out Men; Neon-Tube Pumpers; Painters, Hand; and Electrode Men (neon gas)
- 05.127 Makers of Umbrellas, Parasols, and Canes and Plaster
- 05.128 Makers of Papier-Mâché and Plaster Mannequins, Models and Patterns, n. e. c.
- 05.129 Makers of Combs and Hairpins
- 05.130 Makers of Needles, Pins, and Related Products, including such as Coining Machine Operators; Chain-Machine Operators; Inspectors; and Indenting Machine Operators
- 05.131 Fur Dressers, Hair Clippers, Hair Mixers, and Related
- 05.132 Makers of Brooms and Brushes
- 05.133 Makers of Musical Instruments
- 05.134 Makers of Tobacco Pipes and Cigarette Holders
- 05.135 Wig Makers and Hair Workers
- 05.139 Makers of Miscellaneous Products, n. e. c.
- 09.120 All unskilled laboring jobs in this process, including such as Assortment Workers; Hand Cutters; Umbrella Finishers; Picking-Machine Operators; and Broom Labelers

MANUFACTURING AND RELATED
ACTIVITIES—Continued

Miscellaneous Manufacturing Processes

(05.160 through 05.189)

05.16 *Painting, except Construction and Maintenance*

- 05.161 Stainers, Waxers, and Related
- 05.162 Painters and Finishers of Railroad and Railway Cars and Locomotives
- 05.163 Spray Painters
- 05.164 Operators of Painting, Lacquering, and Related Machines
- 05.165 Painters in the Manufacture of Automobiles
- 05.166 Furniture Finishers, n. e. c.
- 05.167 Miscellaneous Painters, including such as stove Refinishers; Mannequin Painters; Dip Painters; Varnishers; and Finishers
- 09.160 All unskilled laboring jobs in this process such as Barrel Painters; Tire Painters; and Drum Sprayers

05.17 *Pattern and Model Making, except Paper*

- 05.170 Patternmakers, including such as Machine Patternmakers; Wood Patternmakers; Metal Patterns Bench Hands; Loftsmen; Form Builders; and Template Makers

05.18 *Dyeing*

- 05.180 Dyers of Textiles
- 05.183 Color Mixers, Dye Weighers, Dye Fixers, and Related
- 05.185 Dyers of Leather
- 05.186 Dyers of Hats, Caps, and Millinery
- 05.189 Miscellaneous Dyers
- 09.180 All unskilled laboring jobs in this process

NONMANUFACTURING ACTIVITIES

(05.200 through 05.619)

Extraction of Minerals

(05.200 through 05.229)

05.20 *Production of Petroleum*

- 05.200 Casing Men
- 05.201 Treaters
- 05.202 Switchmen
- 05.203 Drillers, n. e. c.
- 05.209 Miscellaneous Jobs in the Production of Petroleum, including such as Tank Strappers; Condition Men; Gas-Well man; and Trainers

NONMANUFACTURING ACTIVITIES—Con.

Extraction of Minerals—Continued

- 05.20 *Production of Petroleum—Continued*
 09.200 All unskilled laboring jobs in this process including such as Derrickman Helpers; Roustabouts; and Truck Swampers
- 05.21 *Mining and Mining-Machine Operation*
 05.210 Miners and Miners Helpers
 05.212 Cutters
 05.214 Machine Loaders
 09.210 All unskilled laboring jobs in this process
- 05.22 *Extraction of Minerals, n. e. c.*
 05.220 Timbermen and Related
 05.221 Ore Samplers
 05.222 Checkers and Tallymen
 05.223 Treaters of Extracted Coal, Ore, and Rock
 05.225 Movers of Extracted Material
 05.226 Quarrymen
 05.228 Ventilation Men
 05.229 Miscellaneous Jobs in the extraction of Minerals, including such as Shaftmen; Flume Men; Panners; Centermen; and screen Attendants
 09.220 All unskilled laboring jobs in this process, including such as Coal Pickers; Shovelers; Incline Men; Slate Handlers; and Muckers

Construction

(05.230 through 05.339)

- 05.23 *Construction Machinery Operation, n. e. c.*
 05.230 Operators of Excavating and Grading Equipment
 05.233 Operators of Concrete-Mixing and Concrete-Paving Machines
 05.235 Operators of Asphalt Plants and Asphalt Paving Machines
 05.236 Pile-Driver Operators
 05.239 Operators of Miscellaneous Construction Machinery, including such as Shield Runners; Erector Operators; and Hydraulic Men
 09.230 All unskilled laboring jobs in this process
- 05.24 *Brickwork, Stonework, and Tile Setting*
 05.240 Bricklayers
 05.242 Stoneworkers, including such as Stonemasons; Flagsetters; Stonesetters; and Stonemason Foremen

NONMANUFACTURING ACTIVITIES—Con.

Construction—Continued

- 05.24 *Brickwork, Stonework, and Tile Setting—Con.*
 05.244 Marble and Tile Setters
 05.247 Terrazo Workers and Polishers
 09.240 All unskilled laboring jobs in this process
- 05.25 *Carpentry*
 05.250 Bench and Shop Carpenters
 05.251 Construction Carpenters
 05.253 Stage and Scene Carpenters
 05.255 Car Building Carpenters
 05.256 Ship Building Carpenters
 05.258 Maintenance Carpenters
 05.259 Miscellaneous Carpenters
 09.250 All unskilled laboring jobs in this process
- 05.26 *Cement and Concrete Finishing*
 05.261 Cement Finishers and Finishing Machine Operators
 09.260 All unskilled laboring jobs in this process
- 05.27 *Painting, Construction and Maintenance*
 05.270 Construction Painters
 05.271 Ship and Boat Painters
 05.273 Miscellaneous Painters, n. e. c.
 09.270 All unskilled laboring jobs in this process
- 05.28 *Paperhanging and Plastering*
 05.281 Paperhangers
 05.282 Plasterers
 09.280 All unskilled laboring jobs in this process
- 05.30 *Plumbing, Gas Fitting, and Steam Fitting*
 05.300 Pipe Fitters
 05.302 Plumbers
 05.304 Steam Fitters
 09.300 All unskilled laboring jobs in this process
- 05.31 *Roofing and Slating*
 05.311 Roofers
 05.314 Slaters
 09.310 All unskilled laboring jobs in this process
- 05.32 *Construction, n. e. c.*
 05.320 Shorers
 05.321 Placers and Tampers of Metal Road Forms
 05.322 Concrete Mixers and Placers
 05.323 Bituminous Pavers, n. e. c.
 05.324 Reinforcing Iron Workers
 05.325 Pipe and Sewer Layers
 05.326 Pile Drivers

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

NONMANUFACTURING ACTIVITIES—Con.

NONMANUFACTURING ACTIVITIES—Con.

Construction—Continued

- 05.32 *Construction, n. e. c.—Continued*
 05.327 Dredgers
 05.328 Tunnel Builders
 05.329 Wire and Cable Spinners
 05.330 Building Exterior Cleaners
 05.331 Waterproofers
 05.332 Well-Point Pumpmen
 05.333 Building Wreckers and Movers
 05.334 Floor Sanders
 05.335 Wire Fence Erectors
 05.336 All-Around House Builders
 05.337 Composition-Floor Layers
 05.338 Lathers and Furrers
 05.339 Miscellaneous Construction Jobs, including such as Cofferdam Builders; Well Diggers; and Seat Installers
 09.320 All unskilled laboring jobs in this process
 05.34 *Asbestos and Insulation Work*
 05.341 Asbestos Workers and Insulators
 09.340 All unskilled laboring jobs in this process

Transportation

(05.350 through 05.499)

- 05.35 *Route Driving*
 05.351 Routemen
 09.350 All unskilled laboring jobs in this category, including such as Routemen Helpers; Jumpers; and Wagon Boys
 05.36 *Operation of Buses, Taxis, Trucks and Tractors*
 05.360 Chauffeurs and Taxi Drivers
 05.361 Ambulance Drivers, Hearse Drivers, and other Emergency Vehicle Drivers
 05.362 Truck Drivers
 05.363 Tractor Drivers
 05.37 *Packing of Supplies*
 05.371 Packers
 05.375 Teamsters.
 05.38 *Railroad Braking and Switching*
 05.380 Brakemen
 05.383 Switchmen and Towermen.
 05.39 *Conductors*
 05.391 Street Car Conductors
 05.393 Passenger Train Conductors
 05.40 *Motor Operation, Except Railroad, Railway, and Bus*
 05.401 Transporters of Molten Metal, includ-

Transportation—Continued

- 05.40 *Motor Operation, Except Railroad, Railway, and Bus—Continued*
 ing such as Ladle Engineers; and Lead Motormen
 05.403 Mine Trammers, Dinky Operators, and Compressed-Air Motormen
 05.41 *Locomotive Operation*
 05.410 Locomotive Engineers
 05.415 Locomotive Firemen
 05.417 Street, Subway, and Elevated Railway Motormen
 05.42 *Gate Tending and Train Calling*
 05.421 Gate Tenders
 05.423 Train Callers
 05.47 *Boat Loading and Wharf Tending*
 05.471 Stevedores
 05.473 Dockmen and Wharf Tenders
 09.470 All unskilled laboring jobs in this category, including such as Longshoremen; Hatch Tenders; Hold Men; and Wharf-Tender Helpers
 05.48 *Sailors and Deck Workers, except U. S. Navy*
 05.481 Sailors
 09.480 All unskilled laboring jobs in this category, including such as Deckhands and Bargemen
 05.49 *Transportation, n. e. c.*
 05.490 Air Transportation Workers, n. e. c., including such as Parachute Packers; Linemen; and Gas Supply Men
 05.491 Water Transportation Workers, n. e. c., including such as Ferryboat Operators; Scow Captains; Motorboat Operators; Launch Captains; and Engine Room Officers
 05.492 Motor Transportation Workers, n. e. c., including such as Bus Dispatchers
 05.493 Railroad Transportation Workers, n. e. c., including such as Dispatchers and Street Railway Platform Men
 05.494 Pipe Line Workers, n. e. c., including such as Line Walkers; and Trouble Shooters
 05.495 Canal and Gate Keepers, n. e. c.
 09.490 All unskilled jobs in this category

Communication and Utilities

(05.510 through 05.549)

- 05.51 *Power Station Operation*
 05.510 Power House and Substation Operators

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

NONMANUFACTURING ACTIVITIES—Con.

- Communication and Utilities—Continued*
- 05.53 *Line and Service Work, Telegraph, Telephone, and Power*
- 05.530 Installers of Telephone and Telegraph Equipment
- 05.532 Repairmen and Servicemen of Telegraph, Telephone, and Power Equipment
- 05.534 Lineman
- 05.539 Miscellaneous Linemen and Servicemen, including such as Transmission Engineers; Pipeman; Cable Splicers; and Testing and Regulating Men
- 05.54 *Utilities, n. e. c.*
- 05.543 Filterers, Purifiers, and Distributors of Water, including such as Dam Men; Water Filterers; Water Softeners; Purifying Plant Operators; and Water Tenders
- 05.547 Coal Pulverizers and Related Jobs
- 05.548 Disposers of Refuse and Sewage
- 09.540 All unskilled laboring jobs in this category, including such as Cable Pullers; Groundmen; Waterworks Laborers; and Screen Operators

Trades and Services

(05.550 through 05.609)

- 05.55 *Motion Picture Projection*
- 05.550 Motion Picture Projectionist
- 05.56 *Amusement, Recreation, and Motion Picture, n. e. c.*
- 05.560 Camera and Sound Equipment Operators, Except Cameramen
- 05.562 Motion Picture Production Stage Hands
- 05.563 Theatrical Stage Hands and Related Amusement and Recreation Jobs
- 05.564 Aquarium and Zoo Attendants
- 05.569 Miscellaneous Work in Amusement and Recreation
- 09.560 All unskilled laboring jobs in this category, including such as Billposters; Carnival Roustabouts; and Swimming Pool Attendants
- 05.57 *Laundrying, Cleaning, and Pressing of Apparel and other Articles*
- 05.570 Receivers and Markers
- 05.571 Dry Cleaners
- 05.572 Wet Cleaners
- 05.573 Finishers and Pressers

NONMANUFACTURING ACTIVITIES—Con.

- Trades and Services—Continued*
- 05.57 *Laundrying, Cleaning, and Pressing of Apparel and other Articles—Continued*
- 05.574 Fur Cleaners
- 05.576 Hat Cleaners and Blockers, not in factory
- 05.577 Rug Cleaners
- 05.578 Spotters
- 05.579 Miscellaneous Launderers, Cleaners, and Pressers, including such as Hand Laundrymen; Washing-Machine Operators; and Insecticide Sprayers
- 09.570 All unskilled laboring jobs in this process, including such as Feather Renovators; Curtain Starchers; Tie Pressers; Shakers, Shirt Folders; and Dampeners
- 05.58 *Meat cutting, except in packing and slaughtering houses*
- 05.581 Butchers and Meatcutters
- 05.59 *Trades and Services, n. e. c.*
- 05.590 Garment Markers, Fitters, and Related
- 05.591 Installers of Carpets, Upholstery, Bedding, and Related Products
- 05.592 Decorators; includes Window Trimmers and Display Men
- 05.594 Furniture Inspectors
- 05.595 Automobile Checkers
- 05.598 Miscellaneous Occupations in Trades and Services, including such as Ice Station Attendants; Termite Treaters; and Gasoline Salesmen
- 09.590 All unskilled laboring jobs in this category, including such as Junior Salespersons; Ice Pullers; Santa Claus; Floor Stock Girls; and Wrappers
- Public Service, n. e. c.*
- (05.610 through 05.619)
- 05.61 *Public Service, n. e. c.*
- 05.610 Highway Maintenance Man
- 05.611 Park Cleaners and Caretakers
- 05.613 Lighthouse keepers
- 09.610 All unskilled laboring jobs in this category, including such as Municipal Service Laborers and Street Cleaners
- Miscellaneous Occupations*
- (05.630 through 05.899)
- 05.63 *Nonprocess Manufacturing, n. e. c.*
- 05.639 Machinery and Equipment Cleaners

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

NONMANUFACTURING ACTIVITIES—Con.

Miscellaneous Occupations—Continued

- 05.63 *Nonprocess Manufacturing, n. e. c.—Con.*
 05.630 All unskilled laboring jobs in this category, including such as Food and Tobacco Manufacturing Laborers; Textile Laborers; Lumber and Sawmill Laborers; Paper Manufacturing Laborers; Chemical Laborers; and Petroleum Product Laborers
- 05.68 *Packing, Filling, Labeling, Marking, Bottling and Related, n. e. c.*
 05.680 Can, Bottle, and Jar Filling Machine Operators
 05.681 Bag and Sack Filling Machine Operators
 05.682 Fancy Hand Packers
 05.683 Jar and Can Capping Machine Operators
 05.684 Jar and Can Vacuum Sealing Machine Operators
 05.685 Packers, Wrappers, and Craters (Heavy)
 05.686 Sample Package Packers
 05.687 Marking, Stamping, and Labeling Machine Operators
 05.688 Hand Bundlers, Wrappers, and Tiers
 05.689 Machine Bundlers, Wrappers, and Tiers
 09.680 All unskilled laboring jobs in this category
- 05.70 *Firing of Boilers and Fireboxes, other than process firing*
 05.700 Boiler Tenders
 05.702 Marine Fireman
 05.703 Heating Equipment Tenders, n. e. c., including such as Retort Firemen and Oven Firemen
- 05.71 *Machinery Oiling*
 05.710 Oilers, Lubricators, and Greasers, including Marine Oilers
 09.710 All unskilled laboring jobs in this category
- 05.72 *Stationary Operating Engineering*
 05.720 Stationary Engineers, not including Diesel
 05.722 Diesel Engineers
 05.723 Refrigerating Engineers
 05.724 Ventilating Equipment Operators
 05.725 Pump and Air Compressor Operators
 05.729 Miscellaneous Engineers, n. e. c., including such as Caisson-Compressor Engineers; Hydraulic-Machine Operators; and Fan Operators

NONMANUFACTURING ACTIVITIES—Con.

Miscellaneous Occupations—Continued

- 05.73 *Crane, Derrick, Hoist, and Shovel Operation*
 05.730 Cranemen
 05.732 Power-Shovel Operators
 05.733 Cable-Line Operators
 05.735 Hoistmen
 05.736 Derrick Boat Operators and Captains
 05.737 Winchmen
 09.730 All unskilled laboring jobs in this category
- 05.74 *Blasting and Powder Work*
 05.740 Blastmen, Powder Monkeys, and Shot Firers
 05.743 Powder Carriers and Workers
 05.749 Miscellaneous Blasting Jobs and Related
 09.740 All unskilled laboring jobs in this category
- 05.75 *Drilling in the extraction of minerals and in construction*
 05.750 Machine Drillers
 05.756 Hand Drillers
 05.757 Jackhammer Operators
- 05.76 *Inspection, n. e. c.*
 05.760 Railroad and Railroad Equipment Inspectors
 05.761 Graders and Classers of Cotton, Tobacco, Butter, etc.
 05.762 Power and Communication Inspectors
 05.763 Petroleum Refining and Petroleum Production Inspectors
 05.769 Miscellaneous Inspectors
- 05.77 *Glazing*
 05.770 Glass Setters
 05.771 Art Glass Workers
 05.773 Glass Lay-out Men
 09.770 All unskilled laboring jobs in this process
- 05.78 *Machine Maintenance*
 05.781 Millwrights and Machine Erectors
- 05.79 *Railway Repairing*
 05.790 Railroad Mechanics and Repairmen
 05.795 Street Railway Mechanics and Repairmen
- 05.80 *Airplane Repairing*
 05.801 Aircraft Mechanics
 05.803 Aircraft Engine Mechanics
 05.805 Aircraft Riggers
- 05.81 *Motor Vehicle Repair*
 05.810 All-around Automobile Mechanics and Repairmen
 05.811 Brake Repairmen and Adjusters

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

NONMANUFACTURING ACTIVITIES—Con.

Miscellaneous Occupations—Continued

- 05.81 *Motor Vehicle Repair—Continued*
 05.812 Wheel Aliners and Wheelwrights
 05.814 Repairmen of Electrical Automotive Equipment
 05.815 Body, Fender, and Radiator Repairmen
 05.816 Miscellaneous Repairmen of Motors and Chassis
 09.810 All unskilled laboring jobs in this process, including Gas Station Attendants
- 05.83 *Mechanics and Repairmen, n. e. c.*
 05.830 Household Appliance Servicemen and Installers
 05.831 Office Machine Servicemen
 05.832 Musical Instrument Repairmen
 05.833 Elevator Installers
 05.834 Electrical Repairmen, n. e. c., including Radio Repairmen
 05.835 Meter Repairmen, Testers, and Installers
 05.836 Gunsmiths and Locksmiths
 05.837 Mine Equipment Repairmen
 05.838 Maintenance Men and Maintenance Mechanics, n. e. c.
 05.839 Miscellaneous Mechanics and Repairmen
 09.830 All unskilled laboring jobs in this process, including such as Armature Solderers; Electric Motor and Generator Strippers; and Electric Motor Washers
- 05.84 *Tool Sharpening and Dressing*
 05.840 Tool Dressers
 05.841 Tool Grinders
 05.842 Saw Sharpeners
 05.843 Tool Filers
 05.849 Miscellaneous Tool Sharpeners and Dressers
- 05.85 *Car Washing and Greasing*
 05.851 Car and Truck Greasers
 05.855 Steam Cleaners
 09.850 All unskilled laboring jobs in this process, including such as Automobile Washers and Automobile Polishers
- 05.86 *Photographic Processing*
 05.860 Developers, Printers, and Processors of Motion Picture Films, n. e. c.
 05.861 Photostat Machine Operators, Blueprinting Machine Operators, and other Photographic Machine Operators, n.e.c.
 05.865 Photograph Developers, Finishers, and Related.

NONMANUFACTURING ACTIVITIES—Con.

Miscellaneous Occupations—Continued

- 05.86 *Photographic Processing—Continued*
 05.869 Miscellaneous Photographic Workers, including such as Blueprint Trimmers and Film Machine Operators
 09.860 All unskilled laboring jobs in this process
- 05.87 *Surveying Jobs, except Surveyors.*
 05.871 Rodman
 05.872 Chainmen
 05.874 Notekeepers
 09.870 All unskilled laboring jobs in this category, including such as Axmen and Stakemen
- 05.88 *Warehousing, Storekeeping, Handling, Loading, Unloading, and Related, n. e. c.*
 05.880 Loaders and Unloaders of Materials
 05.882 Tenders of Mechanical Conveyor Systems
 05.884 Movers of Materials, n. e. c.
 05.886 Warehousemen and Handlers of Material, n. e. c.
 09.880 All unskilled laboring jobs in this category
- 05.89 *Miscellaneous, n. e. c.*
 05.890 Divers, including such as Submarine Workers; Marine Drillers; Pearl Fishermen; and Spongers
 05.893 Decorators and Painters, including such as Gold-Leaf Layers and Silk Screen Painters
 05.895 Tire Retreaders and Repairs, n. e. c.
 05.899 Miscellaneous jobs, n. e. c.
 09.890 All unskilled laboring jobs in this category, including such as Grave Diggers

FOREMEN

(05.910 through 05.999)

- 05.91 *Foremen, Manufacturing* (For production supervisors who oversee and have an intimate knowledge of all jobs in a plant or in a large subdivision of a plant see industrial function "Production Supervision," page 43)
 05.910 Foremen, Food and Beverage Manufacturing
 05.911 Foremen, Tobacco Manufacturing
 05.912 Foremen, Textile Manufacturing
 05.913 Foremen, Fabricated, Textile Product Manufacturing
 05.914 Foremen, Logging and Basic Lumber Product Manufacturing

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

FOREMEN—Continued

- 05.91 *Foremen, Manufacturing*—Continued
- 05.915 Foremen, Finished Lumber Product Manufacturing
 - 05.916 Foremen, Paper and Paper Product Manufacturing
 - 05.917 Foremen, Printing and Publishing
 - 05.918 Foremen, Chemical and Chemical Product Manufacturing
 - 05.919 Foremen, Petroleum, Coal, and Gas Product Manufacturing
 - 05.920 Foremen, Rubber Goods Manufacturing
 - 05.921 Foremen, Leather and Leather Product Manufacturing
 - 05.922 Foremen, Stone, Clay, and Glass Product Manufacturing
 - 05.923 Foremen, Iron and Steel, and Iron and Steel Product Manufacturing
 - 05.924 Foremen, Transportation Equipment Manufacturing
 - 05.925 Foremen, Nonferrous Metal, and Nonferrous Metal Product Manufacture
 - 05.926 Foremen, Electrical Equipment Manufacturing
 - 05.927 Foremen, Machinery Manufacturing
 - 05.928 Foremen, Automobile and Automobile Equipment Manufacturing
 - 05.929 Foremen, Miscellaneous Product Manufacturing
- 05.93 *Foremen, Extraction of Minerals*
- 05.930 Foremen, Metal Mining
 - 05.931 Foremen, Anthracite Mining
 - 05.932 Foremen, Bituminous Coal Mining
 - 05.933 Foremen, Crude Petroleum and Natural Gas Production
 - 05.934 Foremen, Nonmetallic Mining
 - 05.935 Foremen, Quarrying
- 05.94 *Foremen, Construction*
- 05.940 Construction Foremen
- 05.95 *Foremen, Transportation, Communication, and Utilities*
- 05.950 Foremen, Transportation
 - 05.952 Foremen, Communication
 - 05.953 Foremen, Utilities
- 05.97 *Foremen, Services and Amusements*
- 05.970 Foremen, Laundry and Cleaning, Dyeing and Pressing
 - 05.971 Foremen, Automobile Service
 - 05.972 Foremen, Amusement and Motion Pictures
 - 05.976 Foremen, Retail and Wholesale Trade
 - 05.979 Foremen, Miscellaneous Service

FOREMEN—Continued

- 05.99 *Foremen, n. e. c.*
- 05.990 Foremen, Routing.
- APPRENTICES
(07.930 through 07.999)
- 07.93 *Carpentry*
- 07.931 Carpenter's Apprentices
- 07.94 *Machine Shop*
- 07.941 Machinists' Apprentices, including such as Tool and Die Maker Apprentices, and Instrument Maker Apprentices
- 07.95 *Electrical*
- 07.951 Electricians' Apprentices
- 07.96 *Plumbing*
- 07.961 Plumbers' Apprentices including such as Pipe-Fitter Apprentices, and Steam-Fitter Apprentices
- 07.97 *Apprentices to other Construction and Hand Trades*
- 07.970 Apprentices to Metal Trades, including such as Blacksmith Apprentices; Boilermaker Apprentices; Sheet-Metal-Worker Apprentices; Molder Apprentices; and Coppersmith Apprentices.
 - 07.973 Apprentices to Stone Trades, including such as Stone-Carver Apprentices
 - 07.974 Apprentices to Masons including such as Bricklayer Apprentices; Stone Mason Apprentices; Concrete-Finisher Apprentices; Terrazzo-Worker Apprentices; and Tile-Setter Apprentices
 - 07.975 Apprentices to Painters and Paperhangers
 - 07.977 Apprentices to other Construction Trades, including such as Glazier Apprentices; Roofer Apprentices; Structural-Steel-Worker Apprentices; and Ornamental-Iron-Worker Apprentices
- 07.98 *Apprentices to Printing Trades*
- 07.980 Apprentices to Compositors and Typesetters, including such as Printer Apprentices; and Linotype-Operator Apprentices
 - 07.981 Apprentices to Electrotypers and Stereotypers, including such as Electrotyper Apprentices; Photoengraver Apprentices; and Stereotyper Apprentices
 - 07.984 Apprentices to Pressmen and Plate Printers
 - 07.989 Apprentices to Miscellaneous Printing Trades, including such as Bookbinder Apprentices

APPRENTICES—Continued

07.99 Apprentices to other Trades

- 07.990 Apprentices to Furnace Installers
- 07.991 Apprentices to Maintenance Mechanics
- 07.992 Apprentices to Welders
- 07.993 Apprentices to Elevator Installers
- 07.994 Apprentices to Operating Engineers
- 07.995 Apprentices to Stone-Polishers
- 07.996 Apprentices to Bakers
- 07.997 Apprentices to Airplane Mechanics
- 07.998 Apprentices to Automobile Mechanics
- 07.999 Miscellaneous Apprentices, n. e. c., including such as Brush-Maker Apprentices; Plater Apprentices; Etcher Apprentices; Cutter Apprentices; Jeweler Apprentices; Kiln-Operator Apprentices; Millman Apprentices; Asbestos-Worker Apprentices; Lather Apprentices; Watch Maker Apprentices; Loftsman Apprentices; Meat Cutter Apprentices; Weaver Apprentices; Optician Apprentices; Upholsterer Apprentices; Pattern Maker Apprentices; and Model Maker Apprentices
- 09.999 This code is not to be used for classification. Reserved for Machine Record unit totalizations

2. GROUP "B"—PROFESSIONAL, SEMIPROFESSIONAL, MANAGERIAL, AND ADMINISTRATIVE OCCUPATIONS.

GOVERNMENTAL ORGANIZATIONS AND SERVICES (11)

This designation covers occupational fields peculiar to Government. If an occupation occurs in Government, but is more prevalent elsewhere, the classification should be sought in another section of this code structure. For example, an entomologist employed by the Government should be classified under "Biology."

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Social science research, surveys and planning
- 2 Technical research and surveys
- 3 Investigation
- 4 Appraising

GOVERNMENTAL ORGANIZATIONS AND SERVICES (11)—Continued

- 5 Quasi judicial commission or board membership
- 6 Purchasing
- 9 Function not specified above

(For students and for those with generalized experience see 11.x97 and 11.x98)

Social Services (fact-finding about, aid to, and regulation of)

- 11.x00 General
- 11.x01 Public Health
- 11.x02 Youth programs
- 11.x03 Minority groups (including Indian)
- 11.x04 Food distribution
- 11.x05 Housing (for financial aid see page 65)
- 11.x06 Labor supply (including employment)*
- 11.x07 Labor disputes (including arbitration and conciliation)*
- 11.x08 Wages, hours, and working conditions*
- 11.x11 Unemployment insurance and workmen's compensation*
- 11.x12 Unemployment relief*
- 11.x13 Old age and other social insurance*
- 11.x14 Consumer services*
- 11.x15 Penal and correctional institutions
- 11.x16 Recreation facilities and museums (including parks)
- 11.x17 Education
- 11.x19 Not classified above

Industry and Commerce (fact-finding about, aid to, and regulation of)

- 11.x20 General
- 11.x21 Antitrust activities
- 11.x22 Priorities and other material control plans
- 11.x23 Price control and rationing
- 11.x24 Pure food and drugs
- 11.x25 Narcotics and alcoholic beverages
- 11.x26 Foreign trade
- 11.x27 Licenses for regulating purposes, other
- 11.x29 Not classified above

Exploiters of Natural Resources (fact-finding about, aid to, and regulation of)

- 11.x30 General
- 11.x31 Agriculture
- 11.x32 Forestry
- 11.x33 Wildlife (fish and game)
- 11.x34 Anthracite coal mining

*For "Economists" within this group, see 60.x70 through 60.x89; for Personnel Specialists, see 57.x20 group.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

GOVERNMENTAL ORGANIZATIONS AND SERVICES (11)—Continued

Exploiters of Natural Resources (fact-finding about, paid to, and regulation of)—Continued

- 11.x35 Bituminous coal mining
- 11.x36 Crude petroleum and natural gas
- 11.x37 Metal mining
- 11.x38 Mining and quarrying, other
- 11.x39 Not classified above

Financial Institutions (fact-finding about, aid to, and regulation of)

- 11.x40 General
- 11.x41 Banks and clearing houses
- 11.x42 Credit agencies other than banks—long or short term
- 11.x43 Investment trusts and companies
- 11.x44 Holding companies
- 11.x45 Securities brokers and exchanges
- 11.x46 Commodity brokers and exchanges
- 11.x47 Insurance companies
- 11.x49 Not classified above

Public Utilities (fact-finding about, aid to, and regulation of)

- 11.x50 General
- 11.x51 Railroad or motor transportation (including urban)
- 11.x52 Water transportation
- 11.x53 Air transportation
- 11.x54 Communication
- 11.x55 Gas and fuel
- 11.x56 Power and light
- 11.x57 Water and sanitation
- 11.x58 Pipe lines
- 11.x59 Not classified above

Public Finance

- 11.x60 General
- 11.x61 Income, inheritance, gift, and estate taxes
- 11.x62 Property taxes (including real, tangible, and intangible)
- 11.x63 Licensing for revenue purposes (including motor vehicles)
- 11.x64 Customs
- 11.x65 Sales and amusement taxes
- 11.x66 Excise tax (except sales)
- 11.x67 Governmental borrowing
- 11.x68 Budgeting
- 11.x69 Not classified above

Governmental Organizations and Services (Other)

- 11.x70 General
- 11.x71 International and foreign affairs
- 11.x72 Censorship (for any purpose)
- 11.x73 Professional licensing

GOVERNMENTAL ORGANIZATIONS AND SERVICES (11)—Continued

Governmental Organizations and Services (Other)—Continued

- 11.x74 Weather observation and forecasting
- 11.x75 Army
- 11.x76 Navy, Marine Corps, and Coast Guard
- 11.x77 Judicial (administrative only)
- 11.x78 Legislative bodies
- 11.x79 Municipal and local administrations
- 11.x80 State administration
- 11.x81 Vital statistics (as in municipal and county records)
- 11.x82 Fire fighting
- 11.x83 Criminal law enforcement
- 11.x84 Census taking and reporting
- 11.x85 Immigration, naturalization, and alien control
- 11.x86 Post office
- 11.x87 Copyright
- 11.x88 Patents
- 11.x89 Selective Service System
- 11.x91 Civil Service
- 11.x97 Student (either a fourth year, or a graduate student in government who does not indicate a field of specialization)
- 11.x98 Individual experienced in two or more of the above (italicized) fields
- 11.x99 Not classified above

PHYSIOLOGY (12)

Included in this classification are persons engaged (not as physicians) in the fields of general physiology, neurophysiology, muscle physiology, functioning of the heart and respiratory system, digestion and excretion, and endocrinology.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions, including administration)
- 1 Directing (laboratory)
- 2 Editing and writing
- 5 Teaching (college level)
- 7 All semiprofessional functions (including technicians)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience see 12.x97 and 12.x98.)

PHYSIOLOGY (12)—Continued

Physiology

- 12.x00 General
- 12.x01 Cell permeability (including membranes, anaerobic glycolysis)
- 12.x02 Enzyme systems (including protein characterization)
- 12.x03 Excitation phenomena (including redox potentials, tropisms)
- 12.x04 Embryonic growth (including fetal oxidations, respiration, circulation)
- 12.x05 Developmental physiology (including primary reactions, behavior patterns, organization and organizers)
- 12.x06 Metabolism, general (including respiratory exchange, heat production, carbohydrates, fats, proteins, body fluids)
- 12.x09 Not classified above

Neurophysiology

- 12.x10 General
- 12.x11 Brain function
- 12.x12 Autonomic system
- 12.x13 Spinal cord
- 12.x14 Excitation and transmission
- 12.x15 Electroencephalography
- 12.x16 Nerve metabolism
- 12.x17 Vision
- 12.x18 Hearing, smell, taste, or touch
- 12.x19 Not classified above

Muscle Physiology

- 12.x20 General
- 12.x21 Smooth muscles
- 12.x22 Cardiac muscles
- 12.x23 Skeletal muscles
- 12.x24 Metabolism (including heat production, fatigue)
- 12.x29 Not classified above

Heart and Circulation

- 12.x30 General
- 12.x31 Electrocardiography
- 12.x32 Vasomotor system
- 12.x33 Edema
- 12.x34 Hypertension
- 12.x35 Hematology (including hemodynamics, blood)
- 12.x36 Lungs (including respiration, resuscitation)
- 12.x37 Industrial hazards (including altitude and decompression sickness)
- 12.x38 Anesthesia
- 12.x39 Not classified above

Digestion and Excretion

- 12.x40 General

PHYSIOLOGY (12)—Continued

Digestion and Excretion—Continued

- 12.x41 Digestive juices
- 12.x42 Absorption
- 12.x43 Large intestine
- 12.x44 Kidney
- 12.x45 Bladder and bladder reflexes
- 12.x49 Not classified above

Endocrinology

- 12.x50 General
- 12.x51 Pituitary
- 12.x52 Thyroid
- 12.x53 Parathyroid
- 12.x54 Pancreas
- 12.x55 Adrenal
- 12.x56 Male hormones
- 12.x57 Female hormones
- 12.x58 Pineal
- 12.x59 Not classified above

Physiology (Other)

- 12.x90 General
- 12.x97 Student (either a fourth year of a graduate student in physiology who does not indicate a field of specialization)
- 12.x98 Physiologist experienced in two or more of the above (italicized) fields
- 12.x99 Not classified above

BIOLOGY (13)

This designation covers the field of biology, including botany, zoology, and entomology. Included are such special fields as economic aspects, cytology, histology, physiology, chemistry, taxonomy, morphology, anatomy, and insect control.

The third digit (indicated by "x" in the code numbers), provides for further classification according to the following functions:

- 0 General (two or more functions, including administration)
- 1 Directing (laboratory)
- 2 Extension work
- 3 Editing and writing
- 4 ?
- 5 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Research
- 8 Directing (field work)
- 9 Function not specified above

(For students and for those with generalized experience see 13.x97 and 13.x98)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

BIOLOGY (13)—Continued

Biology

- 13.x00 General
- 13.x01 Natural history
- 13.x02 Economic botany, food plants (including classification and adaption of crop plants)
- 13.x03 Economic botany, medicinal plants (including medicinal, drug and poisonous plants)
- 13.x04 Economic botany, forest and plant products (including wildlife food plants, forage plants, and fiber plants)
- 13.x05 Economic zoology, fishes (including sponges, shellfish, lobsters, crabfish, fresh water, and marine fish)
- 13.x06 Economic zoology, poultry and livestock (including predatory groups)
- 13.x07 Biostatistics and population statistics
- 13.x08 Genetics (including human heredity and systems of breeding)
- 13.x09 Not classified above

Botany

- 13.x10 General
- 13.x11 Plant anatomy (including comparative morphology and organography)
- 13.x12 Cytology (including cytogenetics, protoplasm, cellulose, polyploidy, and cytotoxicology)
- 13.x13 Histology (including microtechnique)
- 13.x14 Plant nutrition (including growth hormones and vitamins, photosynthesis, and metabolism)
- 13.x15 Phytochemistry and phytophysics
- 13.x16 Embryology (including reproduction and propagation)
- 13.x17 Evolution (including paleobotany and phylogeny)
- 13.x18 Ecology (including phytogeography, plant succession and association, plant indicators, pollen analysis, and peat studies)
- 13.x19 Not classified above

Plant Taxonomy

- 13.x30 General
- 13.x31 Algology
- 13.x32 Phytoplanktonology
- 13.x33 Mycology
- 13.x34 Lichenology
- 13.x35 Bryology
- 13.x36 Pteriodology
- 13.x37 Agrostology
- 13.x38 Seed plants

BIOLOGY (13)—Continued

Plant Taxonomy—Continued

- 13.x39 Not classified above

Zoology

- 13.x40 General
- 13.x41 Ecology (including distribution, habitat, environment variations, animal aggregates, symbiosis, commensalism, stabilized populations, and water conditioning)
- 13.x42 Histology
- 13.x43 Cytology
- 13.x44 Stain technology
- 13.x45 Microscopy, general (including microchemical tests in tissue, freshwater organisms, and plankton)
- 13.x46 Morphology, invertebrate, general (including topographic and functional anatomy)
- 13.x47 Morphology, vertebrate, general (including topographic and functional anatomy)
- 13.x48 Taxonomy, general (including significance, species, variations, orders, phyletic series)
- 13.x49 Not classified above

Invertebrate and Vertebrate Zoology

- 13.x50 General
- 13.x51 Invertebrate zoology, protozoa
- 13.x52 Invertebrate zoology, sponges, coelenterates, nematodes, echinoderms, molluscs, and crustacea)
- 13.x53 Invertebrate zoology, insects and arachnids
- 13.x54 Vertebrate zoology, mammals
- 13.x55 Vertebrate zoology, fish
- 13.x56 Vertebrate zoology, amphibians
- 13.x57 Vertebrate zoology, reptiles
- 13.x58 Vertebrate zoology, birds
- 13.x59 Not classified above

Entomology

- 13.x60 General
- 13.x61 Apiculture
- 13.x63 Identification and classification
- 13.x64 Physiology and morphology
- 13.x65 Operations to control insects, human pests
- 13.x66 Operations to control insects, field pests
- 13.x67 Operations to control insects, household pests, and commodity pests
- 13.x68 Operations to control insects, livestock pests
- 13.x69 Not classified above

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

BIOLOGY (13)—Continued

Insect Pests

- 13.x70 General
- 13.x71 Insect pests of raw and manufacturing commodities—food products, cereal food, dried fruits, seeds, and nuts
- 13.x72 Insect pests of raw and manufacturing commodities—animal products
- 13.x73 Insect pests of raw and manufacturing commodities—fabrics
- 13.x74 Insect pests of field and cultivated crops (including cotton, tobacco, truck crops, forage crops, greenhouse crops, and oramentals)
- 13.x75 Insect pests of fruits, nuts, and shade trees (including deciduous fruits, nuts, citrus and tropical fruits, grapes and berries, and shade trees)
- 13.76 Insect pests of forests (including coniferous and deciduous types)
- 13.x77 Insects affecting man and animals (including mosquitoes and flies)
- 13.x78 Insects affecting man and animals (including ticks, bedbugs, lice, and roaches)
- 13.x79 Not classified above

Experimental Zoology

- 13.x80 General
- 13.x81 Regeneration and transplantation
- 13.x82 Experimental embryology
- 13.x83 Histochemistry
- 13.x84 Biochemistry and experimental cytology
- 13.x85 Biophysics
- 13.x86 Morphogenesis
- 13.x87 Functional modification
- 13.x88 Microdissection
- 13.x89 Not classified above

Biology (other)

- 13.x90 General
- 13.x91 Photoperiodism and tropisms
- 13.x92 Dendrology
- 13.x93 Invertebrate zoology, n. e. c.
- 13.x94 Regulatory operations against insects, domestic and foreign commerce
- 13.x95 Insects affecting man and animals, n. e. c.
- 13.x97 Student (either a fourth year, or a graduate student in biology who does not indicate a field of specialization)
- 13.x98 Entomologist experienced in two or more of the above (italicized) fields
- 13.x99 Not classified above

NUTRITION (14)

Included in this designation are professional occupations in nutrition covering such specialized fields as food utilization, vitamin and mineral requirements, methods of metabolic study, nutritional histories, menu planning, allergy, anemias, thyroid, pituitary and adrenal disease, obesity, febrile disease, cardio-vascular disease, and poisoning.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Research
- 2 Editing and writing
- 4 Teaching (college level)
- 5 Directing (clinics and laboratories)
- 6 All semiprofessional functions (including technicians)
- 7 Nutrition analysis (chemical)
- 8 Nutrition analysis (medical)
- 9 Function not specified above

(For students and for those with generalized experience see 14.x97 and 14.x98)

Nutrition

- 14.x00 General
- 14.x01 Food utilization
- 14.x02 Food classification
- 14.x03 Food habits and their modifications
- 14.x04 Vitamin and mineral requirements
- 14.x05 Methods of metabolic study (including respiratory quotient, basal metabolism, total metabolism, variations)
- 14.x06 Energy requirements
- 14.x07 Nutritional histories (including analysis of blood, urine, and feces for composition)
- 14.x09 Not classified above

Diets

- 14.x10 General (including hospital dietetics and equivalent)
- 14.x11 Common foods (includes normal diet, balance factors)
- 14.x12 Menu planning
- 14.x13 Caloric calculations
- 14.x14 Food equivalents
- 14.x19 Not classified above

Diet, Therapy and Modification

- 14.x20 General
- 14.x21 Allergy
- 14.x22 Anemias, malnutrition
- 14.x23 Thyroid, pituitary and adrenal disease

NUTRITION (14)—Continued

Diet, Therapy and Modification—Continued

- 10.x24 Diabetes, gout
- 14.x25 Obesity
- 14.x26 Febrile disease
- 14.x27 Digestive system disease
- 14.x28 Cardio-vascular disease
- 14.x31 Poisoning (including metallic)
- 14.x39 Not classified above

Nutrition (other)

- 14.x90 General
- 14.x97 Student (either a fourth year, or a graduate student in Nutrition who does not indicate a field of specialization)
- 14.x98 Nutritionist experienced in two or more of the above (italicized) fields
- 14.x99 Not classified above

FUNCTIONS FOR INDUSTRIES

(To be used for all industrial groups except Transportation (11) page 38.

0 *Over-all and coordinating management.*

This designation covers the activities of top management, as in the following examples: president of firm; owner of firm; partner of firm; or company official. This code indicates wide executive and administrative duties and responsibilities not classifiable by one of the following functions or by a code elsewhere in this manual:

1 *Production supervision.*

This designation is intended for the classification of production supervisors who oversee and have an intimate knowledge of all the jobs in a plant or in a large subdivision of a plant. Straw bosses and the equivalent should be coded as Foremen (05.910 through 05.999).

2 *Purchasing.*

This function describes the duties of a buyer in the specialized field to which this code is assigned. In some instances, particularly in manufacturing industry, this function implies only purchasing. In other instances, particularly in retail trade, the purchasing function implies not only its face value meaning, but also merchandising, promotion or sales department supervision. Essentially, therefore, this code is used to describe the principal function of buying, plus whatever other functions a buyer performs in his specific industry.

FUNCTIONS FOR INDUSTRIES—Continued

Purchasing—Continued

Do not use this classification for the specialist concerned with purchasing *policies and procedures*. Such an individual should be classified either under Governmental Organizations and Services (11) page 39 or under Management and Administrative Technique (57) page 85, depending upon whether the experience was developed in, respectively, government or private industry.

3 *Sales.*

This designation covers the sales or sales management activity of those who have a comprehensive and, usually, a *technical* knowledge of what they sell. Classify by this function only individuals who are the equivalent of a manufacturing firm's sales engineer, and individuals who have had long experience in the production of their "line." Salesmen and sales managers whose success is based mainly on selling ability, rather than on technical knowledge of their commodities, processes or services, should be coded under Sales and Kindred Occupations (01.500 through 01.999), regardless of income level.

Sales personnel who logically may be catalogued by this function are employed mainly by manufacturing industry; an intermediate number come from wholesale trade; while a very small number come from retail trade and the remaining industrial groups. Accordingly, most sales personnel should be coded under Sales and Kindred Occupations and not by the above function.

4 *Warehousing, storage or transportation.*

This designation covers industrial traffic managers, warehouse managers, superintendents of intraplant traffic, and the equivalent. Shipping clerks, receiving clerks and the like should be coded under 01.34. (See "65—Transportation")

5 *Technology.*

This designation covers all applied science (other than engineering), including chemistry, physics, and bacteriology. Specifically, this function might be applied to "computing machines and cash registers," to describe a mathematician who collaborates in the design of such equipment; or, applied to "insecticides and fungicides," this code could

FUNCTIONS FOR INDUSTRIES—Continued

Technology—Continued.

delineate an agronomist assisting in the development of new chemical agents for the destruction of insects and fungi which attack crops.

6 *Engineering.*

This designation covers all activities of engineers working in industry, except for industrial engineers (as defined in the U. S. E. S. Dictionary of Occupational Titles). Classification of the latter will be found under "45—Industrial and Safety Engineering."

This code structure permits classification of all engineers other than industrial engineers in two ways:

- (1) Under Manufacturing Industries in combination with function "6—Engineering"; or
- (2) Under "Physical Sciences and Related Fields" with the several functions attached thereto.

Classification for engineers should be sought first under "Physical Sciences and Related Fields." If an adequate code can be located among those classifications, it should be used in preference to one taken from "Industries."

8 *Cost Accounting.*

This designation supplements the codes listed under Accounting, and is to be used when a cost accountant has had extensive experience in one specialized industry, particularly when that industry presents complex problems in production cost analysis. (See "63—Accounting")

9 *Not classified above.*

This designation should be used with great discretion. It is intended only for the coding of functions at a level with the above, and not adequately described elsewhere in this manual.

MANUFACTURING INDUSTRIES

Food and Kindred Products (15.x00—General)

- 15.x01 Meat products, *general*
- 15.x02 Meat packing, wholesale
- 15.x03 Custom slaughtering, wholesale
- 15.x04 Sausages and other prepared meat products
- 15.x05 Sausage casings
- 15.x06 Poultry dressing and packing, wholesale

MANUFACTURING INDUSTRIES—Continued

Food and Kindred Products—Continued

- 15.x07 Dairy products, *general*
- 15.x08 Creamery butter
- 15.x09 Cheese
- 15.x10 Condensed and evaporated milk
- 15.x11 Ice cream and ices
- 15.x12 Special dairy products
- 15.x13 Canning and preserving fruits, vegetables, and sea foods, *general*
- 15.x14 Canned fish, crustacea, and mollusks
- 15.x15 Cured fish
- 15.x16 Canned and dried fruits, vegetables, and soups
- 15.x17 Preserves, jabs, and jellies
- 15.x18 Pickled fruits and vegetables; vegetable sauces and seasonings
- 15.x19 Salad dressings
- 15.x20 Quick-frozen foods
- 15.x21 Grain-mill products, *general*
- 15.x22 Flour and other grain-mill products
- 15.x23 Prepared feeds for animals and fowls
- 15.x24 Cereal preparations (including breakfast foods and coffee substitutes)
- 15.x25 Rice cleaning and polishing
- 15.x26 Blended and prepared flour
- 15.x27 Bread and other bakery products (including biscuit, crackers, and pretzels)
- 15.x28 Sugar, *general*
- 15.x29 Cane sugar (except refineries)
- 15.x30 Cane-sugar refining
- 15.x31 Beet sugar
- 15.x32 Confectionery and related products (including candy, chocolate and cocoa products, and chewing gum)
- 15.x33 Beverage industries, *general*
- 15.x34 Nonalcoholic beverages
- 15.x35 Malt liquors
- 15.x36 Malt
- 15.x37 Wines
- 15.x38 Distilled, rectified and blended liquors
- 15.x39 Miscellaneous food preparations, *general*
- 15.x40 Cooking and other edible fats and oils, n. e. c.
- 15.x41 Oleomargarine
- 15.x42 Corn syrup, corn sugar, corn oil, and starch

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING INDUSTRIES—Continued

Food and Kindred Products—Continued

- 15.x43 Flavoring extracts and flavoring syrups
n. e. c.
- 15.x44 Baking powder, yeast, and other leavening compounds
- 15.x45 Manufactured ice
- 15.x47 Macaroni, spaghetti, vermicelli, and noodles
- 15.x49 Food preparations, n. e. c.

Tobacco Products (15.x50—General)

- 15.x51 Cigarettes
- 15.x52 Cigars
- 15.x53 Tobacco (chewing and smoking) and snuff
- 15.x54 Tobacco stemming
- 15.x59 Tobacco products, n. e. c.

Textile-Mill Products (15.x60—General)

- 15.x61 Cotton textile products, *general*
- 15.x62 Cotton broad woven goods
- 15.x63 Cotton smallwares
- 15.x64 Cotton yarn and thread
- 15.x65 Rayon and silk textile products, *general*
- 15.x66 Rayon and silk smallwares and broad woven goods
- 15.x67 Rayon and silk yarn and thread
- 15.x68 Woolen and worsted textile products, *general*
- 15.x69 Woolen and worsted yarn and woven goods
- 15.x70 Wool scouring and combing
- 15.x71 Dyeing and finishing woolen and worsted goods
- 15.x72 Knit products, *general*
- 15.x73 Hosiery, full fashioned
- 15.x74 Hosiery, seamless
- 15.x75 Knit fabric
- 15.x76 Knit outerwear (except gloves and mittens)
- 15.x77 Knit underwear
- 15.x78 Knit gloves and mittens (seamless fingered)
- 15.x79 Knit goods, n. e. c.
- 15.x80 Dyeing and finishing textiles (except woolen and worsted), *general*
- 15.x81 Dyeing and finishing cotton and linen goods
- 15.x82 Dyeing and finishing silk and rayon woven fabrics

MANUFACTURING INDUSTRIES—Continued

Textile-Mill Products—Continued

- 15.x83 Cloth sponging and miscellaneous special finishing (including waxing)
- 15.x84 Wool carpets, rugs and floor coverings, *general*
- 15.x85 Carpets, rugs and mats (except wool)
- 15.x86 Linoleum, asphalted felt base, and other hard-surface floor coverings, n. e. c.
- 15.x87 Hats, *general* (except cloth and millinery—see “Apparel 16.x07”)
- 15.x88 Fur-felt hats
- 15.x89 Woolfelt hats
- 15.x90 Straw hats
- 15.x91 Hatter’s fur
- 15.x92 Miscellaneous textile goods, *general*
- 15.x93 Lace goods
- 15.x94 Paddings and upholstery filling
- 15.x95 Processed waste and recovered fibers
- 15.x96 Artificial leather
- 15.x97 Felt goods (except woven felts and hats)
- 15.x98 Linen and jute goods (except jute felt)
- 15.x99 Textile goods, n. e. c. (including cordage and twine)

Apparel (16.x00—General)

- 16.x01 Men’s and boys’ clothing, *general*
- 16.x02 Men’s and boys’ trousers, suits, coats and overcoats
- 16.x03 Men’s and boys’ shirts (except work shirts) and nightwear
- 16.x04 Men’s and boys’ underwear
- 16.x05 Work, sport, and other clothing, n. e. c. (including work shirts)
- 16.x06 Men’s neckwear
- 16.x07 Men’s cloth hats and caps
- 16.x08 Hat and cap materials (including visors, sweat bands, and trimmings)
- 16.x09 Women’s and misses’ outerwear, *general*
- 16.x10 Women’s and misses’ suits and coats (including skirts)
- 16.x11 Women’s and misses’ dresses
- 16.x12 Household apparel (including aprons, smocks, and nurses’ uniforms)
- 16.x13 Women’s and misses’ blouses and waists
- 16.x14 Women’s and misses’ outerwear, n. e. c. (including beachwear, riding habits, and ski suits)

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MANUFACTURING INDUSTRIES—Continued

Apparel (16.x00—General)—Continued

- 16.x15 Women's under garments and related accessories, *general*
- 16.x16 Women's, children's, and infants' underwear and nightwear
- 16.x17 Corsets and allied garments
- 16.x18 Women's neckwear and scarves
- 16.x19 Millinery

16.x20 Children's and infants' outerwear, *general*

16.x21 Children's and infants' dresses

16.x22 Children's and infants' coats

16.x23 Children's and infants' outerwear, n. e. c.

16.x24 Fur goods (including coats, accessories and trimmings; for fur dressing and dyeing see "Miscellaneous Manufacturing Industries")

16.x25 Miscellaneous apparel and accessories, *general*

16.x26 Gloves and mittens, seamed (made of knit or woven fabrics, including combinations of fabric and leather)

16.x27 Belts, suspenders, garters, and related products

16.x28 Raincoats and other waterproof garments

16.x29 Leather and sheep-lined clothing

16.x30 Miscellaneous apparel, n. e. c. (including academic caps and gowns, vestments, and theatrical costumes)

16.x31 Pleating, stitching, tucking, and embroidering (including trimmings and art needlework)

16.x32 Curtains, draperies, and bedspreads

16.x33 Housefurnishings (including sheets, blankets, and slip covers)

16.x34 Textile bags (including cotton and burlap)

16.x35 Canvas products

16.x39 Miscellaneous fabricated textile products, n. e. c.

Lumber and Timber Basic Products (16.x40—General)

16.x41 Logging camps and logging contractors

16.x42 Sawmills (*general*)

16.x43 Veneer mills

16.x44 Shingle mills

16.x45 Cooperage-stock mills

MANUFACTURING INDUSTRIES—Continued

Lumber and Timber Basic Products—Continued

16.x46 Special-product sawmills, n. e. c.

16.x47 Planing mills

16.x48 Plywood mills

16.x49 Lumber and timber basic products, n. e. c.

Furniture and Finished Lumber Products (16.x50—General)

16.x51 Household furniture, *general*

16.x52 Wood household furniture

16.x53 Upholstered furniture

16.x54 Reed and rattan furniture

16.x55 Metal household furniture

16.x56 Mattresses and bedsprings

16.x57 Household furniture, n. e. c.

16.x58 Wood and metal office furniture, *general* (including restaurant furniture)

16.x59 Wood office furniture (including restaurant furniture)

16.x60 Metal office furniture (including restaurant furniture)

16.x61 Public building furniture (including wooden blackboards, theater seats, and seats for public conveyances)

16.x62 Professional furniture (including laboratory work tables, operating tables, and hospital beds)

16.x63 Office and store fixtures (including restaurant fixtures)

16.x64 Wooden containers, *general*

16.x65 Fruit and vegetable baskets

16.x66 Rattan and willow wares (except furniture, and fruit and vegetable baskets)

16.x67 Wooden boxes

16.x68 Cooperage

16.x69 Miscellaneous wood products, *general*

16.x70 Window shades (regardless of the materials used)

16.x71 Window and door screens and weatherstrip (regardless of the materials used)

16.x72 Caskets, coffins, burial cases, and other morticians' goods

16.x73 Excelsior

16.x74 Wood preserving (to prevent decay and to protect against fire and insects)

16.x75 Lasts and related products

16.x76 Mirror frames and picture frames

16.x79 Wood products, n. e. c.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING INDUSTRIES—Continued

Paper and Allied Products (16.x80—General)

16.x81 Pulp mills (includes sulphate and wood naval stores)

16.x82 Paper and paperboard mills, *general*

16.x83 Newsprint mills

16.x84 Book- and cover-paper mills

16.x85 Writing-paper mills

16.x86 Tissue- and absorbent-paper mills

16.x87 Building-paper mills

16.x88 Paperboard mills

16.x89 Building board made of vegetable fiber

16.x90 Paper mills, n. e. c.

16.x91 Paper coating and glazing, *general*

16.x92 Coated book paper

16.x93 Waxed paper

16.x94 Gummed paper

16.x95 Coated and glazed paper, n. e. c.

16.x96 Envelopes

16.x97 Paper bags (including grocery, heavy-duty, and glassine)

16.x98 Paperboard containers and boxes, *general*

16.x99 Folding paper boxes

17.x00 Set-up boxes (excluding shipping containers)

17.x01 Corrugated and fiber boxes

17.x02 Paperboard containers and boxes, n. e. c. (including fiber cans and tubes)

17.x03 Converted paper products, *general*

17.x04 Stationery (from paper stock made elsewhere)

17.x05 Wallpaper

17.x06 Pulp goods

17.x09 Converted paper products, n. e. c.

Printing, Publishing, and Allied Industries (17.x10—General)

17.x11 Printing and publishing, *general*

17.x12 Periodicals, publishing or printing

17.x13 Newspapers, publishing or printing

17.x14 Books, publishing and printing

17.x15 Books, printing only

17.x16 Miscellaneous publishing without printing

17.x17 Greeting cards

17.x18 Commercial printing

17.x19 Lithographing and photolithographing

17.x20 Gravure and rotogravure

MANUFACTURING INDUSTRIES—Continued

Printing, Publishing—Continued

17.x21 Bookbinding and miscellaneous work related to bookbinding

17.x22 Blankbook making and paper ruling

17.x23 Library and loose-leaf binder manufacturing

17.x24 Service industries for the printing trades, *general*

17.x25 Typesetting

17.x26 Engraving and plate printing

17.x27 Photoengraving

17.x28 Electrotyping and stereotyping

17.x29 Printing, publishing and allied industries, n. e. c.

Chemicals and Allied Products (17.x30—General)

17.x31 Paints, varnishes and lacquers

17.x32 Colors and pigments

17.x33 Vegetable and animal oils, *general*

17.x34 Cottonseed oil

17.x35 Linseed oil

17.x36 Soybean oil

17.x37 Essential oils

17.x38 Marine oils (except medicinal)

17.x39 Vegetable and animal oils, n. e. c.

17.x40 Drugs, toilet preparations, and insecticides, *general*

17.x41 Drugs and medicines

17.x42 Perfumes, cosmetics, and other toilet preparations

17.x43 Insecticides and fungicides

17.x44 Household and related industrial chemical compounds (including boiler and insulating compounds, metal and oil-treating compounds and water-proofing and water-treating compounds; also foundry supplies)

17.x45 Soap and glycerin

17.x46 Rayon and other synthetic textile fibers

17.x47 Wood distillation and naval stores, *general*

17.x48 Hardwood distillation (into charcoal and sundry industrial chemicals)

17.x49 Softwood distillation (wood naval stores other than sulphate—for sulphate see 16.x81)

17.x50 Gum naval stores

17.x51 Fertilizers

MANUFACTURING INDUSTRIES—Continued

Chemicals and Allied Products—Continued

- 17.x52 Industrial chemicals, *general*
- 17.x53 Tanning materials, natural dyestuffs, mordants, assistants, and sizes
- 17.x54 Primary coal-tar products
- 17.x55 Plastic materials (except synthetic rubber)
- 17.x56 Synthetic rubber (elastomers)
- 17.x57 Explosives (see 17.x70 group for munitions)
- 17.x58 Salt
- 17.x59 Compressed and liquefied gases
- 17.x60 Bone black, carbon black, and lamp-black
- 17.x61 Electrochemical and electrometallurgical products (excluding carborundum—see “Stone, Clay, and Glass Products”)
- 17.x62 Industrial chemicals, n. e. c.
- 17.x63 Miscellaneous chemical products
- 17.x64 Cleaning and polishing preparations
- 17.x65 Glue and gelatin
- 17.x66 Grease and tallow
- 17.x67 Lubricating oils and greases (except those made in petroleum refineries)
- 17.x68 Fireworks and pyrotechnics
- 17.x69 Chemical products, n. e. c. (including candles and ink)

Ordnance and Accessories (17.x70—General)

- 17.x71 Guns, howitzers, mortars, and related equipment (bore greater than .60 caliber)
- 17.x72 Ammunition, *general*
- 17.x73 Artillery ammunition (20-mm. and over, or over .60 caliber)
- 17.x74 Ammunition loading and assembly (20-mm and over, or over .60 caliber)
- 17.x75 Small arms ammunition (for bores of .60 caliber and under)
- 17.x76 Ammunition, n. e. c. (including bombs, mines, and chemical warfare projectiles)
- 17.x77 Tanks
- 17.x78 Tank components (including engines and transmissions)
- 17.x79 Sighting and fire-control equipment (classify Radar under Electrical Machinery, 19.x90 group, or under 47.x95)
- 17.x80 Machine guns and machine-gun mounts (bore of .60 inch and under)

MANUFACTURING INDUSTRIES—Continued

Ordnance and Accessories—Continued

- 17.x81 Rifles, carbines, pistols, revolvers, and shotguns
- 17.x89 Ordnance and accessories, n. e. c. (including torpedo tubes and Y-guns)

Products of Petroleum and Coal (17.x90—General)

- 17.x91 Petroleum refining
- 17.x92 Coke and byproducts, *general*
- 17.x93 Beehive coke ovens (coke manufacture)
- 17.x94 Byproduct coke ovens (coke, coal gas, tar, and related items manufacture)
- 17.x95 Paving and roofing materials, *general*
- 17.x96 Paving mixtures and blocks
- 17.x97 Roofing felts and coatings
- 17.x98 Fuel briquettes
- 17.x99 Products of petroleum and coal, n. e. c.

Rubber Products (18.x00—General)

- 18.x01 Tires and inner tubes
- 18.x02 Rubber footwear
- 18.x03 Heels, soles, and related products
- 18.x04 Mechanical rubber goods (except hard rubber)
- 18.x05 Hard-rubber goods
- 18.x06 Rubber flooring
- 18.x07 Rubberized fabrics and vulcanized rubber clothing
- 18.x08 Rubber sundries
- 18.x09 Sponge rubber
- 18.x10 Reclaimed rubber
- 18.x11 Retreaded rubber tires
- 18.x12 Tire sundries and repair materials
- 18.x19 Rubber products, n. e. c.

Leather and Leather Products (18.x20—General)

- 18.x22 Sole and belting leather
- 18.x23 Upper and lining leather
- 18.x24 Leather (except sole, belting, upper, and lining)
- 18.x25 Leather finishing, embossing, and japanning
- 18.x26 Leather currying
- 18.x27 Industrial leather belting and packing
- 18.x28 Boot and shoe cut stock and findings
- 18.x29 Footwear (except rubber footwear)
- 18.x30 Leather gloves and mittens
- 18.x31 Suitcases, briefcases, bags, trunks, and other luggage
- 18.x32 Women's handbags and purses
- 18.x33 Small leather goods (including bill-folds, key cases, and checkbook covers)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING INDUSTRIES—Continued

Leather and Leather Products—Continued

- 18.x34 Saddlery, harness, and whips
- 18.x39 Leather goods, n. e. c.

Stone, Clay and Glass Products (18.x40—General)

- 18.x41 Glass products, *general*
- 18.x42 Glass containers
- 18.x43 Glass and glassware, n. e. c. (including tableware, blanks for light bulbs, tubing and other special purpose glass items, kitchenware, and *pressed* glass lenses; for optical lenses see Miscellaneous Manufacturing Industries 26.x40)
- 18.x44 Mirrors
- 18.x45 Glass products, n. e. c. made of purchased glass (including stained glass, scientific apparatus glass, cut glass, and glass watch crystals)
- 18.x46 Cement, *general* (for concrete products see 18.x64)
- 18.x47 Portland cement
- 18.x48 Natural, masonry and puzzolan cement
- 18.x49 Structural clay products, *general*
- 18.x50 Brick and hollow tile
- 18.x51 Terra cotta
- 18.x52 Roofing, floor and wall tile
- 18.x53 Sewer pipe
- 18.x54 Clay refractories (see 18.x77)
- 18.x55 Structural clay products, n. e. c.
- 18.x56 Pottery and related products, *general*
- 18.x57 Vitreous and semivitreous china plumbing fixtures
- 18.x58 Hotel vitreous china (including vitreous china for household use)
- 18.x59 Whiteware (semivitreous types of earthenware)
- 18.x60 Porcelain electrical supplies
- 18.x61 China firing and decorating
- 18.x62 Pottery products, n. e. c.
- 18.x63 Concrete, gypsum and plaster products, *general*
- 18.x64 Concrete products
- 18.x65 Gypsum products (includes plasterboard)
- 18.x66 Plasterboard (except gypsum), non-rigid thermal insulation and floor composition)
- 18.x67 Mineral wool
- 18.x68 Lime
- 18.x69 Monuments and tombstones

MANUFACTURING INDUSTRIES—Continued

Stone, Clay and Glass Products—Continued

- 18.x70 Cut stone and stone products, n. e. c. (including stone furniture)
- 18.x71 Abrasive, asbestos and miscellaneous nonmetallic mineral products, *general*
- 18.x72 Asbestos products (other than 18.x73)
- 18.x73 Steam and other packing, and pipe and boiler covering
- 18.x74 Natural graphite, ground or otherwise treated
- 18.x75 Minerals and earths, ground or otherwise treated
- 18.x76 Abrasive products (of natural or artificial materials)
- 18.x77 Nonclay refractories (see 18.x54)
- 18.x78 Statuary and art goods—factory production (except those made of stone—18.x70—or concrete—18.x64)
- 18.x79 Stone, clay and glass products, n. e. c.
- Iron, Steel, and their Products (18.x80—General)*
- 18.x81 Blast furnaces, steel works, and rolling mills, *general*
- 18.x82 Blast furnaces
- 18.x83 Steel works and rolling mills
- 18.x84 Iron and steel foundry products, *general*
- 18.x85 Gray-iron and semisteel castings
- 18.x86 Malleable-iron castings
- 18.x87 Steel castings
- 18.x88 Cast iron pipe and fittings
- 18.x89 Tin cans and other tinware
- 18.x90 Wire products, *general*
- 18.x91 Wire drawing
- 18.x92 Nails and spikes
- 18.x93 Wirework, n. e. c. (including fencing, screening, and tire chains)
- 18.x94 Hand tools, cutlery and hardware, *general*
- 18.x95 Cutlery and edge tools (including cutting dies for cloth, paper, and leather; knives; axes; and table cutlery except sterling silver and silver plated, for which see Nonferrous Metals and their Products.
- 18.x96 Hand tools (including hammers, wrenches, shovels, and rakes)
- 18.x97 Files (including the recutting of files and rasps)

MANUFACTURING INDUSTRIES—Continued

Iron, Steel, and their Products—Continued

- 18.x98 Saws (including saw blades for power-driven saws)
- 18.x99 Hardware, n. e. c. (including locks and other builder's hardware; hardware for motor vehicles, furniture and luggage; padlocks; vacuum bottles; and marine hardware)
- 19.x00 Heating apparatus, enameled-iron sanitary ware and boiler shop products, *general*
- 19.x01 Enameled-iron sanitary ware and other plumber's supplies (including bathtubs; and brass goods such as faucets, valves, and fittings). For sanitary ware not made with iron, see Stone, Clay and Glass Products; for vitreous enameled kitchen ware, etc., see 19.x10
- 19.x02 Stoves, ranges, water heaters, and hot-air furnaces
- 19.x03 Oil burners, domestic and industrial
- 19.x04 Power boilers and associated products
- 19.x05 Steam and hot-water heating apparatus (including boilers and radiators)
- 19.x06 Steam fittings (including thermostats and gages)
- 19.x07 Heating equipment, n. e. c. (except electric, including incubators, incinerators, and portable ovens)
- 19.x08 Metal stamping and coating, *general*
- 19.x09 Vitreous enameled products (except sanitary ware, and including kitchen utensils, table tops, and refrigerator parts)
- 19.x10 Automobile stampings
- 19.x11 Stamped and pressed metal products (except automobile stampings)
- 19.x12 Enameling, japanning, and lacquering
- 19.x13 Galvanizing and other coating
- 19.x14 Fabricated structural metal products (including structural steel, staircases, iron fences, rods for reinforcing concrete, ornamental, and other metal-covered doors and sash, store fronts, molding, and trim)
- 19.x15 Bolts, nuts, washers, rivets, and wood screws
- 19.x16 Iron and steel forgings
- 19.x17 Wrought pipes, welded and heavy-riveted

MANUFACTURING INDUSTRIES—Continued

Iron, Steel, and their Products—Continued

- 19.x18 Steel springs
- 19.x19 Iron and steel products, n. e. c. (including screw-machine products; steel barrels, kegs and drums; safes and vaults; cold-rolled strips and sheets; and the annealing, heat-treating, tempering and hardening of steel for the trade)

Nonferrous Metals and their Products (19.x20—General)

- 19.x21 Primary smelting and refining of nonferrous metals, *general*
- 19.x22 Primary smelting and refining of lead
- 19.x23 Primary smelting and refining of zinc
- 19.x24 Primary refining of aluminum
- 19.x25 Primary refining of magnesium
- 19.x26 Primary refining of precious metals
- 19.x27 Primary smelting and refining of copper
- 19.x28 Secondary smelting and refining of nonferrous metals and alloys, *general*
- 19.x29 Secondary smelting and refining of precious metals
- 19.x30 Secondary smelting and refining of aluminum and aluminum alloys
- 19.x31 Secondary smelting and refining of nonferrous metals and alloys, n. e. c.
- 19.x32 Rolling and drawing of nonferrous metals (except aluminum)
- 19.x33 Aluminum and magnesium products (except foil)
- 19.x34 Jewelry, silverware and plated ware, *general*
- 19.x35 Jewelry, jewelers' findings and materials
- 19.x36 Lapidary work (for the trade; including cutting and polishing precious stones and drilling pearls)
- 19.x37 Silverware and plated ware
- 19.x38 Watches and clocks
- 19.x39 Engraving, plating, and polishing (except engraving for the purpose of printing)
- 19.x40 Miscellaneous nonferrous metal products, *general*
- 19.x41 Nonferrous-metal foundries (except aluminum)
- 19.x42 Collapsible tubes

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING INDUSTRIES—Continued

Nonferrous Metals—Continued

- 19.x43 Gold and silver foil
- 19.x44 Tin and other foil (except gold and silver)
- 19.x45 Sheet metal work
- 19.x49 Nonferrous metal products, n. e. c. (including lighting fixtures)

Machinery (Except Electrical) (19.x50—General)

- 19.x51 Engines and turbines, *general*
- 19.x52 Diesel and semi-Diesel engines (for tank Diesels, see Ordnance)
- 19.x53 Internal-combustion engines, n. e. c. (classify aircraft engines under "Transportation Equipment," and automobile engines under "Automobiles and Automobile Equipment.")

19.x54 Agricultural machinery and tractors, *general*

19.x55 Tractors

19.x56 Agricultural machinery, except tractors

19.x57 Construction and mining machinery, *general*

19.x58 Construction and similar machinery except mining and oilfield machinery and tools)—including machinery for dredging, excavating, and road building

19.x59 Oil-field machinery and tools (including water well drilling machinery)

19.x60 Mining machinery and equipment

19.x61 Metalworking machinery, *general*

19.x62 Machine tools

This title covers the manufacture of power-driven machines employing a cutting tool for work on metal. Among the items herein classified are: boring machines, boring mills, drilling machines, filing machines, gear-cutting machines, grinding machines, lathes, planers, shapers, and threading machines

19.x63 Metalworking machines (except machine tools)

This title covers the manufacture of machines, mainly power-driven, which shape, press, or forge metal, where the shaping action of such machines is not dependent upon a cutting tool.

MANUFACTURING INDUSTRIES—Continued

Machinery (Except Electrical)—Continued

19.x63 Metalworking machines—Continued

Included in this designation are bending machines, can-forming, and soldering machines, die-casting machines, forging machines (such as drop hammers); electric and pneumatic drills, presses, riveting machines, wire-forming machines, rolling mill machinery, shears, spring winding and forming machines, and acetylene welding and cutting apparatus. Classify electric welding apparatus under "Electrical Machinery"

19.x64 Machine-tool accessories, other metalworking machinery accessories, and machinists' precision tools.

This title includes attachments and accessories for machine tools and other metalworking machinery; small power-driven cutting and shaping tools and tool holders; and precision measuring tools

19.x65 Food-products machinery (classify soda fountains under "Miscellaneous Manufacturing Industry;" and refrigeration machinery under 19.x88)

19.x66 Textile machinery (except sewing machines—see 19.x87; includes fiber-to-fabric machinery; fabric machinery; and machinery for bleaching, dyeing, printing, mercerizing, finishing and drying stock, yarn, and cloth

19.x67 Woodworking machinery

19.x68 Paper-industries machinery

19.x69 Printing-trades machinery and equipment

19.x70 Special-industry machinery, n. e. c.

Includes smelting and refining equipment; and machinery for cement-making, clay-working, cotton-ginning, glass-making, hat-making, incandescent lamp-making, leather-working, paint-making, rubber-working, tobacco-working, cigar and cigarette-making, shoe-making and stone-working

19.x71 Miscellaneous machinery, *general*

19.x72 Elevators, escalators, and conveyors

19.x73 Industrial cars and trucks (intraplant)

19.x74 Pumps, air and gas compressors, and pumping equipment

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MANUFACTURING INDUSTRIES—Continued

Machinery (Except Electrical)—Continued

- 19.x75 Mechanical measuring instruments (for measuring volume of liquids, pressure, direction, and speed)
- 19.x76 Mechanical power-transmission equipment
- 19.x77 Mechanical stokers, domestic and industrial
- 19.x78 General industrial machinery and machine-shop products, n. e. c.
- 19.x79 Office and store machines and devices, *general*
- 19.x80 Computing machines and cash registers
- 19.x81 Typewriters
- 19.x82 Vending, amusement, and other coin-operated machines
- 19.x83 Scales and balances
- 19.x84 Punched-card machines
- 19.x85 Office and store machines and devices, n. e. c.
- 19.x86 Laundry equipment, domestic and commercial; dry-cleaning and pressing machines
- 19.x87 Sewing machines
- 19.x88 Refrigerators and equipment and complete air-conditioning units
- 19.x89 Household and service-industry machines, n. e. c.

Electrical Machinery (19.x90—General)

- 19.x91 Electrical wiring devices and generating equipment, *general*
- 19.x92 Carbon and artificial graphite products for the electrical industry
- 19.x93 Wiring devices and supplies (includes plugs, outlets, lamp sockets, and receptacles)
- 19.x94 Generating, distribution and industrial apparatus, and apparatus for incorporation in manufactured products, n. e. c. This title includes steam-turbine generator sets and other generators; transformers; switchboards; panelboards; and welding apparatus
- 19.x95 Electrical appliances, *general* (except electrical refrigerators, washing machines and sewing machines)
- 19.x96 Automotive electrical equipment
- 19.x97 Electric lamps
- 19.x98 Communication equipment and related products, *general*

MANUFACTURING INDUSTRIES—Continued

Electrical Machinery—Continued

- 19.x99 Radios, radio equipment, and phonographs (including receivers, transmitters, television equipment, radar equipment, public-address apparatus, phonographs, and phonograph records) (Manufacturing Industries continued within group 26.x00 through 26.x29)

BACTERIOLOGY, IMMUNOLOGY, AND PATHOLOGY (20)

This designation includes professional and semi-professional occupations involving the study of all forms of bacteria; their classification, morphology, and metabolism; their diagnoses and pathology; industrial, veterinary, medical and sanitation aspects; general immunological and serological methods and treatment; and technology of autopsies.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Public health administration
- 2 Editing and writing
- 3 Consulting
- 5 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Directing (hospitals or laboratories)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience see 20.x97 and 20.x98.)

Bacteriology

- 20.x00 General
- 20.x01 Classification and nomenclature
- 20.x02 Morphology
- 20.x03 Metabolism (including physiology, chemistry, enzymes, growth cycles, and growth requirements)
- 20.x04 Destruction of bacteria (including sterilization; heat, light, and physical and chemical agents)
- 20.x05 Bacterial relationships (including symbiosis, parasitism, and bacteriophage)
- 20.x06 Culture media and methods (including straining methods)
- 20.x07 Tissue culture and filtration methods
- 20.x09 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

BACTERIOLOGY, IMMUNOLOGY, AND
PATHOLOGY (20)—Continued

Soil and Agricultural Bacteriology

- 20.x10 General
- 20.x11 Anserobic bacteria, fungi of soil, and autotrophic bacteria
- 20.x12 Ecology
- 20.x13 Dairy bacteriology
- 20.x14 Bacterial and virus diseases of plants
- 20.x15 Silage
- 20.x19 Not classified above

Industrial Bacteriology

- 20.x20 General
- 20.x21 Fermentations, alcoholic
- 20.x22 Fermentations, other types (including butyl alcohol and acetone)
- 20.x23 Enzymes and vitamins
- 20.x24 Food product preparation and preservation (including cheese and canning processes)
- 20.x25 Leather
- 20.x26 Preparation of "biologicals," serums, vaccines
- 20.x29 Not classified above

Veterinary Bacteriology

- 20.x30 General
- 20.x31 Bacteriology of infectious diseases of animals (including cattle, sheep and goats, swine and draft animals; includes virus diseases)
- 20.x32 Bacteriology of infectious diseases of poultry and birds
- 20.x33 Bacteriology of infectious diseases of fish
- 20.x34 Bacteriology of infectious diseases of pet animals
- 20.x35 Epidemiology and control of infectious diseases of animals
- 20.x39 Not classified above

Medical Bacteriology

- 20.x40 General
- 20.x41 Bacteriology of infectious diseases of man (including typhus fever group and diseases)
- 20.x42 Epidemiology and control measures (including chemotherapy immunotherapy, prophylaxis, antiseptics, antigen, and antibody chemistry)
- 20.x43 Surgical bacteriology (including bacteriology of wound infections, of operating rooms, of surgical supplies)
- 20.x44 Bacteriology of foods (including milk, water, and fish)

BACTERIOLOGY, IMMUNOLOGY, AND
PATHOLOGY (20)—Continued

Medical Bacteriology—Continued

- 20.x45 Sanitary bacteriology inspection (including air and water supplies, food inspection, feed inspection, meat inspection, and milk inspection)
- 20.x46 Sanitary bacteriology, refuse and sewage disposal
- 20.x47 Diagnostic bacteriology and serology (including rabies)
- 20.x48 Preparation of serums (including anti-toxins, vaccines, toxins, and testing of antiseptics)
- 20.x49 Not classified above

Pathology

- 20.x50 General
- 20.x51 Cardio-vascular system (blood and blood forming)
- 20.x52 Respiratory system
- 20.x53 Genito-urinary tract
- 20.x54 Musculo-skeletal system (including skin and appendages)
- 20.x55 Endocrine system
- 20.x56 Nervous system (including special senses, eye and ear)
- 20.x57 Oral pathology (including parts of alimentary canal)
- 20.x58 Surgical pathology (including cancer)
- 20.x59 Not classified above

Bacterial technology

- 20.x60 General
- 20.x61 Bacteriology of autopsies
- 20.x62 Conduct of autopsy (including preparation of gross material and autopsy record)
- 20.x63 Preparation of histological material (including preparation of museum specimens)
- 20.x64 Preservation of material (including protocols, diagnosis, slides, and cataloguing)
- 20.x65 Chemistry of autopsies (including toxicology)
- 20.x69 Not classified above

Bacteriology, Immunology, and Pathology (other)

- 20.x90 General
- 20.x91 Immunotherapy and Serology methods (including allergy, forensic immunology, anaphylaxis, transfusion, blood groups, agglutination and precipitation methods, complement-fixation methods, and lyophile methods)

BACTERIOLOGY, IMMUNOLOGY, AND
PATHOLOGY (20)—Continued*Bacteriology, Immunology*—Continued

- 20.x92 Medical legal pathology
- 20.x97 Student (either a fourth year, or a graduate student in Bacteriology, Immunology, or Pathology who does not indicate a field of specialization)
- 20.x98 Bacteriologist, Immunologist, or Pathologist experienced in two or more of the above (italicized) fields
- 20.x99 Not classified above

ANATOMY (21)

This designation covers the fields of human and comparative anatomy including evolutionary development in greater detail than that covered in the field of Biology.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 2. Editing and writing
- 5 Teaching (college level)
- 6 Directing (laboratory)
- 7 All semiprofessional functions (including technicians)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience see 21.x07 and 21.x98.)

Anatomy (Comparative)

- 21.x00 General
- 21.x01 Morphology
- 21.x02 Phylogeny
- 21.x03 Osteology
- 21.x04 Paleontology
- 21.x05 Neurology
- 21.x06 Anthropology
- 21.x07 Taxonomy
- 21.x08 Photography, microscopy, X-ray
- 21.x09 Not classified above

Anatomy (Human)

- 21.x10 General
- 21.x11 Microscopic
- 21.x12 Developmental
- 21.x13 Functional
- 21.x14 Cytological
- 21.x15 Genetical
- 21.x19 Not classified above

ANATOMY (21)—Continued

Anatomy (Gross)

- 21.x20 General
- 21.x21 Osteology, myology, syndesmology
- 21.x22 Neurology and special sense
- 21.x23 Angiology and lymphatics
- 21.x24 Endocrines
- 21.x25 Liver, spleen, pancreas
- 21.x26 Adrenals
- 21.x27 Testes, ovaries
- 21.x29 Not classified above

Functional Systems

- 21.x30 General
- 21.x31 Respiratory
- 21.x32 Alimentary
- 21.x33 Reproductive
- 21.x34 Urogenital
- 21.x35 Cardiovascular
- 21.x36 Endocrine
- 21.x37 Nervous
- 21.x38 Skeletal
- 21.x39 Not classified above

Anatomy (other)

- 21.x90 General
- 21.x97 Student (either a fourth year or a graduate student in Anatomy who does not indicate a field of specialization)
- 21.x98 Anatomist experienced in two or more of the above italicized fields
- 21.x99 Not classified above

PHARMACOLOGY AND EXPERIMENTAL
THERAPEUTICS (23)

Classifications within this listing are made according to type and purpose of drugs with which the worker has had most experience, and include the following types: drugs acting on nervous system, drugs affecting organs of the body, drugs of endocrine origin, antiseptics, disinfectants, and drugs used in chemotherapy; also, pharmacy in general.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Research—new drugs and derivatives
- 2 Editing and writing
- 3 Analysis
- 4 Directing (academic laboratories)
- 5 Teaching (college level)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

PHARMACOLOGY AND EXPERIMENTAL
THERAPEUTICS (23)—Continued

The third digit, etc.—Continued

- 6 All semiprofessional functions (including technicians)
- 7 Directing (commercial laboratories)
- 9 Function not specified above

(For students and for those with generalized experience see 23.x97 and 23.x98.)

Drugs Acting on Nervous System

- 23.x00 General
- 23.x01 Central nervous system depressants, anesthetics (including preanesthetic medication, technique of anesthesia, and anesthetic accidents)
- 23.x02 Central nervous system depressants, hypnotics, and sedatives (including morphine, opium, and alcohols)
- 23.x03 Central nervous system depressants, analgesics, and antipyretics
- 23.x04 Central nervous system stimulants (including strychnine, picrotoxin, metrazol, coramine, camphor, caffeine, theophylline, and theobromine)
- 23.x05 Local anesthetics (including cocaine and procaine)
- 23.x06 Parasympathomimetic drugs (including choline esters, acetylcholine, acetyl-beta-methylcholine, carbaminoylcholine, pilocarpine, arecoline, and muscarine)
- 23.x07 Sympathomimetic drugs (including epinephrine, ephedrine, and bonze-drine)
- 23.x08 Autonomic blocking agents (including drugs inhibiting structures innervated by nerve centers)
- 23.x09 Not classified above

Drugs Affecting Organs of Body

- 23.x10 General
- 23.x11 Cardio-vascular drugs (including digitalis, cardiac glycosides, quinidine, nitrates, histamine, and thiocyanates)
- 23.x12 Drugs affecting urine formation (including diuretics, antidiuretics)
- 23.x13 Drugs acting on productive organs (including oxytoxics (ergot, pituitary, abortifacients, uterine hemostatics, and spermaticides)
- 23.x14 Water, salts, and ions (including sodium salts and other agents affecting volume and composition of the body fluids) (cations, anions)

PHARMACOLOGY AND EXPERIMENTAL
THERAPEUTICS (23)—Continued

Drugs Affecting Organs of Body—Continued

- 23.x15 Gases and vapors (including therapeutic) (oxygen, carbon dioxide, helium) and noxious gases and vapors (carbon monoxide, hydrocyanic acid, war gases, etc.)
- 23.x16 Heavy metals and metalloids (including lead, mercury, arsenic, antimony, gold, silver, thallium, selenium, and radioactive elements)
- 23.x17 Drugs acting on skin and mucous membranes (including demulcents, emollients, protectives, absorbents, irritants, astringents, gastric antacids, digestants, cathartics, emetics, and expectorants)
- 23.x18 Drugs acting on blood and blood-forming organs (including iron deficiency anemias and pernicious anemias)
- 23.x19 Not classified above.

Drugs of Endocrine Origin

- 23.x20 General
- 23.x21 Thyroid
- 23.x22 Parathyroid
- 23.x23 Anterior pituitary hormones (including anterior pituitary-like hormones)
- 23.x24 Female sex hormones, estrogens, and luteal hormones
- 23.x25 Male sex hormones
- 23.x26 Insulin
- 23.x27 Adrenal cortical hormones
- 23.x29 Not classified above

Antiseptics, Disinfectants, and Drugs used in Chemotherapy

- 23.x30 General
- 23.x31 Antiseptics, germicides
- 23.x32 Fungicides, parasiticides
- 23.x33 Chemotherapy of helminthiasis
- 23.x34 Chemotherapy of malaria
- 23.x35 Chemotherapy of amebiasis
- 23.x36 Chemotherapy of leprosy
- 23.x37 Principles of syphilotherapy
- 23.x38 Chemotherapy of syphilis (including pharmacology of arsenicals and sulfanilamides)
- 23.x39 Not classified above

Pharmacology and Experimental Therapeutics (Other)

- 23.x90 General

PHARMACOLOGY AND EXPERIMENTAL
THERAPEUTICS (23)—Continued*Pharmacology and Experimental Therapeutics—
Continued*

- 23.x91 Vitamins, water-soluble and fat-soluble vitamins
- 23.x92 General practice (including druggist)
- 23.x97 Student (either a fourth year, or a graduate student in physiology who does not indicate a field of specialization)
- 23.x98 Pharmacologist experienced in two or more of the above (italicized) fields
- 23.x99 Not classified above

MEDICINE, DENTISTRY, AND VETERINARY
MEDICINE (24)

These designations cover only physicians, dentists, and veterinaries licensed to practice in their respective fields.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Practice
- 2 Examining
- 3 Public health
- 4 Teaching (college level)
- 5 Military
- 6 Government (including Veterans' Administration and Indian Service)
- 7 Industrial
- 8 Research
- 9 Function not specified above

ALPHABETICAL LIST

Medicine

- 24.x21 Administration, Medical
- 24.x41 Allergy
- 24.x07 Anesthesiology
- 24.x01 Aviation medicine
- 24.x30 Bacteriology, Medical
- 24.x36 Biochemistry, Medical
- 24.x22 Cardiology
- 24.x08 Clinical Pathology
- 24.x29 Communicable Diseases
- 24.x17 Dermatology
- 24.x09 Endocrinology
- 24.x42 Endoscopy (including Bronchoscopy and Esophagoscopy)
- 24.x32 Epidemiology

ALPHABETICAL LIST—Continued

Medicine—Continued

- 24.x37 Forensic medicine
- 24.x23 Gastroenterology
- 24.x00 General
- 24.x27 Gynecology
- 24.x03 Industrial medicine (including Industrial Hygiene)
- 24.x02 Internal medicine
- 24.x33 Metabolic Diseases (including Renal Diseases)
- 24.x43 Neurology
- 24.x44 Neuropsychiatry
- 24.x11 Neurosurgery
- 24.x40 Nutrition, Medical
- 24.x26 Obstetrics
- 24.x16 Ophthalmology
- 24.x38 Ophthalmology-oto-rhino laryngology
- 24.x12 Orthopedic surgery
- 24.x15 Oto-rhino-laryngology
- 24.x06 Parasitology, Medical (including Entomology)
- 24.x46 Pathology
- 24.x28 Pediatrics
- 24.x05 Physical therapy
- 24.x13 Plastic surgery
- 24.x25 Proctology
- 24.x45 Psychiatry
- 24.x47 Radiology
- 24.x20 Roentgenology, diagnostic
- 24.x48 Roentgenology
- 24.x34 Statistics, Medical
- 24.x10 Surgery, general
- 24.x04 Therapeutic radiology
- 24.x14 Thoracic surgery
- 24.x31 Toxicology
- 24.x39 Tropical medicine
- 24.x35 Tuberculosis
- 24.x24 Urology
- 24.x19 Vascular surgery
- 24.x18 Venereal Diseases (including Syphilology)
- 24.x49 Not classified above

Dentistry

- 24.x57 Exodontia
- 24.x50 General
- 24.x51 Oral surgery
- 24.x52 Orthodontia
- 24.x53 Pedodontia
- 24.x54 Periodontia
- 24.x55 Prosthodontia
- 24.x56 Radiodontia
- 24.x59 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

ALPHABETICAL LIST—Continued

Veterinary Medicine and Pathology

- 24.x84 Bacteriology, Veterinary
- 24.x71 Bovine
- 24.x81 Canine
- 24.x83 Dairy Inspection, Medical
- 24.x72 Equine
- 24.x70 General
- 24.x82 Meat Inspection, Medical
- 24.x78 Microscopic anatomy
- 24.x76 Pharmacology and toxicology
- 24.x75 Poultry
- 24.x77 Radiology
- 24.x73 Sheep and goats
- 24.x74 Swine
- 24.x89 Not classified above

NUMERICAL LIST

Medicine

- 24.x00 General
- 24.x01 Aviation medicine
- 24.x02 Internal medicine
- 24.x03 Industrial medicine (including industrial hygiene)
- 24.x04 Therapeutic radiology
- 24.x05 Physical therapy
- 24.x06 Medical parasitology (including Entomology)
- 24.x07 Anesthesiology
- 24.x08 Clinical pathology
- 24.x09 Endocrinology
- 24.x10 Surgery, general
- 24.x11 Neurosurgery
- 24.x12 Orthopedic surgery
- 24.x13 Plastic surgery
- 24.x14 Thoracic surgery
- 24.x15 Oto-rhino-laryngology
- 24.x16 Ophthalmology
- 24.x17 Dermatology
- 24.x18 Venereal Diseases (including Syphilology)
- 24.x19 Vascular surgery
- 24.x20 Roentgenology, Diagnostic
- 24.x21 Administration, Medical
- 24.x22 Cardiology
- 24.x23 Gastroenterology
- 24.x24 Urology
- 24.x25 Proctology
- 24.x26 Obstetrics
- 24.x27 Gynecology
- 24.x28 Pediatrics
- 24.x29 Communicable diseases
- 24.x30 Bacteriology, Medical

NUMERICAL LIST—Continued

Medicine—Continued

- 24.x31 Toxicology
- 24.x32 Epidemiology
- 24.x33 Metabolic diseases (including Renal Diseases)
- 24.x34 Statistics, Medical
- 24.x35 Tuberculosis
- 24.x36 Biochemistry, Medical
- 24.x37 Forensic medicine
- 24.x38 Ophthalmo-oto-rhino laryngology
- 24.x39 Tropical medicine
- 24.x40 Nutrition, medical (dietetics)
- 24.x41 Allergy
- 24.x42 Endoscopy (including Bronchoscopy and Esophagoscopy)
- 24.x43 Neurology
- 24.x44 Neuropsychiatry
- 24.x45 Psychiatry
- 24.x46 Pathology
- 24.x47 Radiology
- 24.x48 Roentgenology
- 24.x49 Not classified above

Dentistry

- 24.x50 General
- 24.x51 Oral surgery
- 24.x52 Orthodontia
- 24.x53 Periodontia
- 24.x54 Perodontia
- 24.x55 Prosthodontia
- 24.x56 Radiodontia
- 24.x57 Exodontia
- 24.x59 Not classified above

Veterinary Medicine and Pathology

- 24.x70 General
- 24.x71 Bovine
- 24.x72 Equine
- 24.x73 Sheep and goats
- 24.x74 Swine
- 24.x75 Poultry
- 24.x76 Pharmacology and toxicology
- 24.x77 Radiology
- 24.x78 Microscopic anatomy
- 24.x81 Canine
- 24.x82 Meat Inspection, Medical
- 24.x83 Dairy Inspection, Medical
- 24.x84 Bacteriology, Veterinary
- 24.x89 Not classified above

OPTOMETRY (25)

This designation covers professional, semiprofessional, and highly skilled occupations in clinical

OPTOMETRY (25)—Continued

optometry, industrial optometry, optometric standards, theoretical optometry, experimental optometry, and other specialized optometric fields.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 2 Editing and writing
- 4 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Practitioner or clinician
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience see 25.x97 and 25.x98.)

Optometry, Clinical

- 25.x00 General
- 25.x01 Routing Refraction
- 25.x02 Control of myopia (nearsightedness)
- 25.x03 Orthoptics
- 25.x04 Aniseikonia
- 25.x05 Ptosis
- 25.x06 Contact lenses
- 25.x07 Sight surveys
- 25.x08 Testing (including color vision, light sense)
- 25.x09 Not classified above

Optometry, Industrial

- 25.x10 General
- 25.x11 Visual aids for specific tasks
- 25.x19 Not classified above

Optometric Standards

- 25.x20 General
- 25.x21 Visual norms and nomenclature
- 25.x22 Optometric instruments
- 25.x23 Correction lenses and other visual aids
- 25.x29 Not classified above

Optometry, Theoretical

- 25.x30 General
- 25.x31 Anatomy, physiology of the eye and physiologic optics
- 25.x32 Ocular pathology
- 25.x33 Geometric optics
- 25.x34 Spectacle optics
- 25.x35 Functional visual anomalies
- 25.x36 Ocular measurements
- 25.x39 Not classified above

Experimental Optometry, Physiological Optics

- 25.x40 General
- 25.x41 Color perception

OPTOMETRY (25)—Continued

Experimental Optometry—Continued

- 25.x42 Directional perception and field of vision
- 25.x43 Visual rehabilitation
- 25.x44 Ocular fatigue
- 25.x45 Monocular vision
- 25.x46 Visual illusions
- 25.x47 Anomalies of refraction and accommodation
- 25.x48 Anomalies of convergence and motility
- 25.x49 Not classified above

Optometry (Other)

- 25.x90 General
- 25.x91 Optical design
- 25.x97 Student (either a fourth year or a graduate student in the field of Optometry who does not indicate a field of specialization)
- 25.x98 Personnel experienced in two or more of the above italicized fields
- 25.x99 Not classified above

MANUFACTURING INDUSTRIES

INDUSTRIAL FUNCTIONS

- 0 Over-all and coordinating management
- 1 Production supervision
- 2 Purchasing
- 3 Sales
- 4 Warehousing, storage, or transportation
- 5 Technology
- 6 Engineering
- 8 Cost Accounting
- 9 Not classified above

26.x00 Communication equipment (except radio)

26.x01 Batteries, storage and primary (dry and wet)

26.x02 X-ray, therapeutic apparatus and non-radio electronic tubes

26.x09 Electrical machinery, n. e. c.

Transportation Equipment (except Automobiles)
(26.x10—General)

26.x11 Railroad equipment, *general*

26.x12 Locomotive and parts

26.x13 Railroad and street cars

26.x14 Aircraft and parts, *general*

26.x15 Aircraft (including balloons and parachutes)

26.x16 Aircraft engines and parts

26.x17 Aircraft propellers and propeller parts

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MANUFACTURING INDUSTRIES—Continued

INDUSTRIAL FUNCTIONS—Continued

Transportation Equipment—Continued

26.x18 Aircraft parts, n. e. c. (except engines, propellers, instruments—see 26.x42—and electrical equipment; includes pontoons)

26.x19 Ship and boat building and repairing, *general*

26.x20 Ship building and repairing (minimum of 5 gross tons)

26.x21 Boat building and repairing (maximum of 5 gross tons)

26.x22 Motorcycles, bicycles, and parts

26.x29 Transportation equipment, n. e. c.

Automobiles and Automobile Equipment (26.x30—General)

26.x31 Motor vehicles (including truck trailers)

26.x32 Passenger car bodies

26.x33 Truck bodies

26.x34 Motor vehicle parts and accessories

26.x35 Automobile trailers

26.x39 Automobile equipment, n. e. c.

Miscellaneous Manufacturing Industries (26.x40—General)

26.x42 Professional and scientific instruments (except surgical, medical, and dental) This title includes surveyors', nautical, navigational, and aeronautical instruments; drafting instruments; (Classify microscopes and telescopes under 26.x44). Barometers; thermometers; and mathematical instruments).

26.x43 Photographic apparatus and materials

26.x44 Optical instruments and lenses

26.x45 Ophthalmic goods (including ophthalmic lenses, frames, and complete eyeglasses and frames—not retail)

26.x46 Surgical and medical *instruments*

26.x47 Surgical and orthopedic *appliances* and supplies

26.x48 Dental equipment and supplies

26.x49 Brooms and brushes

26.x50 Musical instruments

26.x51 Toys, sporting and athletic goods

26.x52 Pens, pencils, and other office and artists' materials

26.x53 Buttons

26.x54 Costume jewelry and miscellaneous novelties (including jewelry and in-

MANUFACTURING INDUSTRIES—Continued

INDUSTRIAL FUNCTIONS—Continued

Miscellaneous Manufacturing—Continued

strument cases; lamp shades; feathers; plumes and artificial flowers)

26.x55 Fabricated plastic products

26.x56 Beauty shop and barber shop equipment.

26.x57 Furs, dressed and dyed (establishments primarily engaged in scraping, currying, tanning, bleaching, and dyeing pelts)

26.x58 Signs and advertising displays (except sign painting on a custom basis)

26.x59 Hair work

26.x60 Umbrellas, parasols, and canes

26.x61 Tobacco, pipes and cigarette holders

26.x62 Soda-fountain and beer-dispensing equipment

26.x63 Models and patterns (except shoe, display forms—see Furniture etc.; and paper patterns—see Paper and Allied Products)

26.x69 Miscellaneous fabricated products, n. e. c.

MINING INDUSTRIES (including CRUDE-PETROLEUM and NATURAL-GAS PRODUCTION, and QUARRYING)

(See Mining Engineering and Metallurgy, 59.x00)

Metal Mining (26.x70—General)

26.x71 Iron ore mining or dressing

26.x72 Copper ore mining or dressing

26.x73 Lead and zinc ore mining or dressing

26.x74 Gold and silver mining (lode or placer) or dressing

26.x75 Aluminum ore mining

26.x76 Mercury ore mining

26.x77 Manganese ore mining

26.x78 Chromium, molybdenum, tungsten, and vanadium ore mining

26.x79 Metal ore mining or dressing, n. e. c.

Anthracite Mining (26.x80—General)

26.x81 Anthracite mining, underground

26.x82 Anthracite mining, open-pit

26.x83 Anthracite breakers and preparation plants

26.x84 Anthracite dredging

26.x85 Anthracite stripping-contract services (including overburden removal for open-pit mining)

26.x89 Anthracite mining, n. e. c.

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MINING INDUSTRIES—Continued

(See Mining Engineering and Metallurgy, 59.x00)—Continued

Bituminous and Other Soft-Coal Mining (26.x90—General)

- 26.x91 Bituminous coal mining, underground
- 26.x92 Bituminous coal mining, open-pit
- 26.x93 Bituminous coal preparation plants
- 26.x94 Bituminous coal contract services (including overburden removal for open-pit mining)
- 26.x95 Semianthracite mining (including “Virginia anthracite” and “Kentucky anthracite”)
- 26.x96 Lignite mining (including peat extraction)
- 26.x99 Bituminous and other soft coal mining, n. e. c.

Crude-Petroleum and Natural-Gas Production (27.x00—General)

- 27.x01 Crude petroleum production
- 27.x02 Natural gas production
- 27.x03 Natural gasoline production
- 27.x04 Oil and gas well drilling contract services
- 27.x05 Oil and gas well rig-building contract services
- 27.x09 Crude petroleum and natural gas production, n. e. c.

Nonmetallic Mining and Quarrying (27.x10—General)

- 27.x11 Dimension stone quarries (including dolomite, granite, slate and marble quarries)
- 27.x12 Crushed stone quarries (except limestone)
- 27.x13 Crushed limestone quarries
- 27.x14 Sand and gravel quarries, pits and dredges, general
- 27.x15 Sand and gravel for construction

CONSTRUCTION INDUSTRIES

- 27.x16 Special sands
- 27.x17 Clays and ceramic and refractory minerals (including kaolin, ball clay, bleaching clays, fireclay, bentonite, feldspar, common clays, and diatomaceous earth)
- 27.x18 Gypsum mining
- 27.x21 Rock-salt mining
- 27.x22 Phosphate rock
- 27.x23 Sulphur mining

CONSTRUCTION INDUSTRIES—Continued

Nonmetallic Mining and Quarrying—Continued

- 27.x29 Nonmetallic minerals, n. e. c., (including potash, borates, asbestos, asphalt, chalk, graphite, mica, and talc)

CONSTRUCTION

General Contractors (General—27.x30)

- 27.x31 Building construction (including dwellings, farm buildings, industrial and commercial buildings, public buildings; and alteration and repair)
- 27.x32 Highway and street construction (except elevated highways)
- 27.x33 Heavy construction (including elevated highways, sewerage systems, water mains, railroads, subways, hydroelectric plants and pipe lines)
- 27.x34 Marine construction (including dredging, pile driving, harbor, and waterways construction)
- 27.x35 Water-well drilling
- 27.x39 General contractors, n. e. c.

Special-Trade Contractors (Subcontractors) (27.x40—General)

- 27.x41 Plumbing, heating and air-conditioning
- 27.x42 Painting, paper hanging and decorating
- 27.x43 Electrical work
- 27.x44 Masonry, stone work, tile setting and plastering
- 27.x45 Carpentering and wood flooring
- 27.x46 Roofing and sheet-metal work
- 27.x47 Concrete work
- 27.x48 Building maintenance (such as painting, plastering, and carpentry)
- 27.x51 Structural-steel work
- 27.x52 Ornamental iron and steel work
- 27.x53 Glass and glazing work
- 27.x54 Excavation and foundation work
- 27.x55 Wrecking and demolition work
- 27.x56 Installation of machinery and equipment
- 27.x59 Special-trade contractors, n. e. c.

WHOLESALE TRADE

Motor Vehicles and Automotive Equipment (27.x60—General)

- 27.x61 Automobiles and other motor vehicles
- 27.x62 Automotive equipment (parts and accessories, except tires and tubes)
- 27.x63 Tires and tubes
- 27.x69 Motor vehicles and automotive equipment, n. e. c.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

WHOLESALE TRADE—Continued

Chemicals, Drugs, and Allied Products (27.x70—General)

- 27.x71 Drugs (including prescription components, proprieties, cosmetics, and sundries)
- 27.x72 Dyestuffs
- 27.x73 Explosives
- 27.x74 Industrial chemicals (including primary coal-tar products, plastic materials, compressed and liquefied gases, acids, alkaline bulk products, industrial alcohol, and salts)
- 27.x75 Naval stores
- 27.x76 Paints and varnishes
- 27.x79 Chemicals, drugs, and allied products, n. e. c.

Dry Goods and Apparel (27.x80—General)

- 27.x81 Piece goods
- 27.x82 Hosiery and lingerie (Women's)
- 27.x83 Notions and other dry goods
- 27.x84 Clothing and furnishings, *general*
- 27.x85 Men's and boys' clothing and furnishings
- 27.x86 Women's and children's clothing and furnishings
- 27.x87 Millinery and millinery supplies
- 27.x88 Footwear
- 27.x89 Dry goods and apparel, n. e. c.

Petroleum and Its Products

- 27.x90 Petroleum and its products (including bulk tank stations)

Groceries and Food Specialties (28.x00—General)

- 28.x01 Canned goods
- 28.x02 Coffee, tea, and spices
- 28.x03 Confectionery (see Tobacco and its products)
- 28.x04 Fish and sea foods
- 28.x05 Flour
- 28.x06 Meats and provisions
- 28.x07 Sugar
- 28.x09 Groceries and food specialties, n. e. c.

Farm Products (including Assemblers of) (28.x10—General)

- 28.x11 Poultry and poultry products
- 28.x12 Dairy products
- 28.x13 Fresh fruits and vegetables
- 28.x14 Cotton
- 28.x15 Grain
- 28.x16 Hides, skins, and raw furs
- 28.x17 Horses and mules
- 28.x18 Livestock (except horses and mules)
- 28.x21 Silk (raw)

WHOLESALE TRADE—Continued

Farm Products (including Assemblers of) (28.x10—General)—Continued

- 28.x22 Tobacco (leaf)
- 28.x23 Wool and mohair
- 28.x24 Farm supplies (including feeds, seeds, and fertilizers)
- 28.x25 Flowers and nursery stock
- 28.x26 Rough timber products
- 28.x29 Farm products, n. e. c (including crude rubber; animal and vegetable oils, and greases)

Tobacco and Its Products (Except Leaf)

- 28.x30 Tobacco and its products (except leaf; including wholesale establishments selling both tobacco and other products, such as packaged, confectionery, and stationery)

Beer, Wine, and Liquors

- 28.x40 Beer, wine, and liquors

Electrical Goods (28.x50—General)

- 28.x51 Electrical apparatus and equipment (for the generation, transmission or utilization of electric energy by electric public utilities)
- 28.x52 Wiring supplies and electrical construction materials
- 28.x59 Electrical goods, n. e. c. (including radios, refrigerators, and other household electrical appliances)

Furniture and Housefurnishings (28.x60—General)

- 28.x61 China, glassware, and crockery
- 28.x62 Floor coverings
- 28.x63 Furniture (household and office)
- 28.x64 Housefurnishings
- 28.x65 Musical instruments and sheet music
- 28.x69 Furniture and housefurnishings, n. e. c.

Hardware

- 28.x70 Hardware (including specialty lines)

Lumber and Construction Materials (28.x80—General)

- 28.x81 Lumber and millwork
- 28.x82 Brick, tile, and terra cotta
- 28.x83 Cement, lime, and plaster (including firms mixing and delivering ready-mixed concrete)
- 28.x84 Glass
- 28.x85 Sand, gravel, and crushed stone
- 28.x89 Construction materials, n. e. c.

Machinery, Equipment and Supplies (28.x90—General)

- 28.x91 Commercial machinery and equipment (including office machines, filling

WHOLESALE TRADE—Continued

Machinery, Equipment and Supplies (28.x90—General)—Continued

- 28.x91 Commercial machinery.—Continued station and garage equipment, store fixtures, restaurant and hotel equipment and supplies)
- 28.x92 Farm machinery and equipment
- 28.x93 Industrial equipment and supplies (including most machinery and equipment used in manufacturing, construction, and mining industries)
- 28.x94 Oil well and oil refining machinery and equipment
- 28.x95 Professional equipment and supplies (used in medical and related sciences)
- 28.x96 Equipment and supplies for service establishments (such as barber shops, laundries, and upholsterers)
- 28.x97 Transportation equipment and supplies (except motor vehicles; includes aircraft, boats, ships and related equipment, n. e. c.)
- 28.x99 Machinery, equipment and supplies, n. e. c. (Wholesale industries continued within group 31.x20 through 31.x49)

CHEMISTRY AND RELATED FIELDS (30)

This designation covers professional, semiprofessional, and highly specialized functions (except chemical engineering functions) in physical, inorganic, analytical, metallurgical, organic, and biological chemistry.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions)
- 1 Testing and related production functions
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 All semiprofessional functions (including technicians)
- 8 Research and development
- 9 Function not specified above

(For students and for those with generalized experience see 30.x97 and 30.x98.)

Physical, Analytical, Inorganic, and Metallurgical Chemistry

- 30.x00 General
- 30.x01 Atomic and molecular structure—surface chemistry (including isotopes, ar-

CHEMISTRY AND RELATED FIELDS

(30)—Continued

Physical, Analytical, Inorganic, and Metallurgical Chemistry—Continued

- 30.x01 Atomic and molecular—Continued tificial and nautical disintegration, spectroscopy, crystal structure, quantum theory, surface film properties and behavior, adhesion and absorption, diffusion, flow and viscosity, and theory of solutions
 - 30.x02 Electrochemistry (including theory, current sources, electrolysis, electrophoresis, electrothermics, and electronics)
 - 30.x03 Physical chemistry (including colloids, photochemistry, thermodynamics high-vacuum techniques, calorimetry, and chemical equilibria)
 - 30.x04 Analytical chemistry (including volumetric, gravimetric and electrometric analysis, optical methods (colorimetry, spectography, microscopy), flame and spot tests, and microchemical analysis)
 - 30.x05 Inorganic chemistry, special (including alkali and alkaline earth metals, nitrogen and its compounds, sulphur and its compounds, halogens, iron, cobalt, nickel, inert gases and hydrogen, radioactive elements, rare earths, precious metals, and compounds of the foregoing)
 - 30.x06 Inorganic chemistry, general
 - 30.x07 Metallurgical chemistry, ferrous (including the chemistry involved in mining and smelting, ore conversion and processing, ore and metal recovery, and metallurgical analysis)
 - 30.x08 Metallurgical chemistry, nonferrous (including the chemistry involved in mining and smelting, ore conversion and processing, ore and metal recovery, and metallurgical analysis)
 - 30.x11 Mechanism of chemical reaction (including kinetics, gases, liquids, and solids) (homogeneous and heterogeneous systems, solutions, catalysis and inhibition, and tracer reaction technique)
 - 30.x19 Not classified above
- Organic Chemistry*
- 30.x20 General
 - 30.x21 Synthetic resins and plastics (including natural resins and plastics)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

CHEMISTRY AND RELATED FIELDS

(30)—Continued

Organic Chemistry—Continued

- 30.x22 Petroleum and fuels (including asphalt and bitumens, fuel oil, gasoline, coal, coke, gaseous fuels, and byproducts of the foregoing)
- 30.x23 Paints and varnishes
- 30.x24 Textiles and dyes (including textile processing, printing colors, natural fibers, synthetic textiles, and finishing materials)
- 30.x25 Wood, paper, and pulp (including wood and paper technology and preservatives)
- 30.x26 Rubber (including rubber derivatives and technology, synthetic rubber and elastic polymers, gutta percha and balata)
- 30.x27 Fats, oils, waxes, and soaps
- 30.x28 Explosives (including blasting, military high explosives, smokeless powder pyrotechnics, priming composition and detonators)
- 30.x29 Not classified above (including carbohydrates)

Biological

- 30.x30 General
- 30.x31 Food and nutrition chemistry (including grains and grain technology, dairy products, fruits, vegetables, food flavors meat products, canning and preserving, food compositions, and analysis)
- 30.x32 Medical chemistry (including physiological, pathological, and serological chemistry, toxicology blood and other clinical analysis, vitamins, hormones, colorimetric and spectographic instrumentation, and micro-analysis and macro-analysis)
- 30.x33 Pharmaceutical chemistry (including biologics, vegetable and animal drugs, digestive ferments, organic and inorganic pharmaceutical, organometallics, synthetics, perfumes, essential oils, and cosmetics)
- 30.x34 Water, sewage, and sanitation (including the chemistry of water treatment, waste and sewage disposal, and micro-organism)

CHEMISTRY AND RELATED FIELDS

(30)—Continued

Biological—Continued

- 30.x35 Agricultural chemistry (including plant chemistry, soil and soil surveys, fertilizers, disinfectants, insecticides, fungicides, agricultural poisons, and farm and animal byproducts)
- 30.x39 Not classified above

Chemistry (other)

- 30.x90 General
- 30.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 30.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 30.x99 Not classified above

INDUSTRIAL FUNCTIONS

- 0 Over-all and coordinating management
- 1 Production supervision
- 2 Purchasing
- 3 Sales
- 4 Warehousing, storage or transportation
- 5 Technology
- 6 Engineering
- 8 Cost accounting
- 9 Not classified above

Metals and Minerals (except Petroleum Products and Scrap) (31.x00—General)

- 31.x01 Iron and steel (except structural)
- 31.x02 Structural iron and steel
- 31.x03 Wire, wire fencing and wire rope
- 31.x04 Sheet-metal products
- 31.09 Metals and minerals, n. e. c.

Paper and Paper Products (31.x10—General)

- 31.x11 Wrapping paper and heavy-paper products
- 31.x12 Printing and writing paper
- 31.x13 Stationery and stationery supplies
- 31.x14 Wallpaper
- 31.x19 Paper and paper products, n. e. c.

Plumbing and Heating Equipment and Supplies

- 31.x20 Plumbing, heating equipment, and supplies, *general* (including equipment and supplies for air conditioning)

Waste Materials (31.x30—General)

- 31.x31 Iron and steel scrap
- 31.x32 Nonferrous metal scrap
- 31.x33 Rubber scrap
- 31.x34 Textile wastes
- 31.x35 Waste paper
- 31.x39 Waste materials, n. e. c.

INDUSTRIAL FUNCTIONS—Continued

Wholesale Trade, Other (31.x40)

- 31.x41 Amusement and sporting goods
- 31.x42 Farm supplies
- 31.x43 Jewelry
- 31.x44 Optical and ophthalmic goods
- 31.x45 Flowers and nursery stock
- 31.x46 Rough timber products
- 31.x47 Leather and leather goods
- 31.x49 Wholesale trade, n. e. c. (including second-hand)

RETAIL TRADE

Food (including Eating and Drinking Places)
(31.x50—General)

- 31.x51 Restaurants, cafeterias, and related eating places (including establishments where alcoholic beverages are served incidentally; including soda fountains serving complete meals prepared on the premises)
- 31.x52 Refreshment stands and related establishments (including frankfurter stands, frozen custard and ice cream stands, and related establishments)
- 31.x53 Drinking places (including establishments where food is served incidentally)
- 31.x54 Grocery stores (including those selling meat)
- 31.x55 Meat markets (including those selling fish)
- 31.x56 Fish markets
- 31.x57 Fruit and vegetable stores and markets
- 31.x58 Candy, confectionery and nut stores (including soda fountains not serving complete meals prepared on the premises)
- 31.x59 Food stores, n. e. c.

General Merchandise (31.x60)

- 31.x61 Department stores
- 31.x62 Mail-order houses, general merchandise
- 31.x63 Limited price variety stores ("5- and 10-cent" and "5 cents to a dollar" stores)
- 31.x64 Dry goods stores
- 31.x65 General merchandise stores (includes "Army and Navy" stores)
- 31.x66 General stores (country general stores)
- 31.x69 General merchandise establishments, n. e. c.

RETAIL TRADE—Continued

Apparel and Accessories (31.x70—General)

- 31.x71 Men's and boys' clothing and furnishing stores
- 31.x72 Women's ready-to-wear stores
- 31.x73 Women's accessory and specialty shops
- 31.x74 Infants' wear shops
- 31.x75 Shoe stores
- 31.x76 Custom tailors
- 31.x77 Furriers and fur shops
- 31.x78 Umbrella shops
- 31.x79 Apparel stores, n. e. c.

Furniture, Home Furnishings and Equipment
(31.x80—General)

- 31.x81 Furniture stores and interior decorators
- 31.x82 Floor-covering stores
- 31.x83 Electrical and gas household appliance (including radio) stores
- 31.x89 Specialized home furnishings and equipment stores (including floor-covering, drapery, lamp, china, picture and framing, awning, and flag shops)

Miscellaneous Retail Stores (31.x90)

- 31.x91 Motor vehicle dealers (including used cars)
- 31.x92 Automotive accessory, tire and battery dealers
- 31.x93 Automotive dealers, n. e. c. (including aircraft, motorboats, passenger trailers, and related automotive products)
- 31.x94 Filling stations
- 31.x95 Drug stores
- 31.x96 Hardware stores (including farm-implement dealers)
- 31.x97 Lumber and building materials and supplies (including heating and plumbing equipment; paint, glass and wallpaper; and electric supplies for home construction purposes)
- 31.x98 Beer and liquor stores (including those owned by a state, county, or municipality)
- 32.x01 Second-hand stores
- 32.x02 Book and stationery stores
- 32.x03 Sporting goods stores (including bicycle shops)
- 32.x04 Farm and garden supply stores (including hay, grain, and feed)
- 32.x05 Florists

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

RETAIL TRADE—Continued

Miscellaneous Retail Stores (31.x90)—Continued

- 32.x06 Cigar stores
- 32.x07 News dealers and newstands
- 32.x08 Jewelry stores
- 32.x11 Fuel and ice dealers
- 32.x12 Music stores
- 32.x13 Photographic supply stores
- 32.x14 Artist supply and material stores
- 32.x15 Luggage and leather-goods stores
- 32.x16 Antique stores (including objects of art)
- 32.x17 Gift, novelty, and souvenir shops
- 32.x18 Optical and ophthalmic goods stores
- 32.x19 Miscellaneous retail stores, n. e. c.

FINANCE, INSURANCE, AND REAL ESTATE

Banking (32.x20—General)

- 32.x21 Rediscounting and financing institutions for banks (including Federal Reserve banks)
- 32.x22 National banks
- 32.x23 State Banks and trust companies ("Commercial" banks)
- 32.x24 Private banks
- 32.x25 Mutual Savings banks (including N. H. guaranty fund banks)
- 32.x26 Inactive banks and banks in process of liquidation
- 32.x29 Banking, n. e. c. (including agencies of foreign banks, currency exchanges, safe deposit companies, city and regional clearing house associations, and corporations for banking abroad)

Credit Agencies Other Than Banks—long term (32.x30—General)

- 32.x31 Rediscount and financing institutions—long term (including Federal Home Loan Banks)
- 32.x32 Active savings and loan associations
- 32.x33 Urban mortgage companies
- 32.x34 Farm mortgage companies and farm mortgage banks
- 32.x35 National farm loan associations and other cooperative credit associations
- 32.x36 Mortgage agents of insurance companies and local farm loan brokers
- 32.x37 General and industrial loan institutions—long term (including RFC and Export-Import Banks)
- 32.x39 Credit agencies other than bank—long term, n. e. c. (including inactive or-

FINANCE, INSURANCE, AND REAL ESTATE—Continued

Credit Agencies Other Than Banks—long term (32.x30—General)—Continued

- 32.x39 Credit agencies, etc.—Continued organizations and organizations in process of liquidation)

Credit Agencies Other Than Banks—short term (32.x40—General)

- 32.x41 Rediscounting and financing institutions—short term
- 32.x42 Agricultural credit agencies (except mortgage companies)
- 32.x43 Sales finance and industrial credit (including purchasers of accounts receivable)
- 32.x44 Personal credit (including credit unions, small loan companies, and pawnbrokers)

- 32.x49 Credit agencies other than banks—short term, *general* (including inactive organizations and organizations in process of liquidation)

Investment Trusts and Companies; Holding and Investment-Holding Companies (32.x50—General)

- 32.x51 Investment companies (including unit-investment trusts and management investment companies)
- 32.x52 Holding companies and investment
- 32.x53 Oil royalty companies (including gas)
- 32.x54 Commodity trading companies
- 32.x59 Trusts, n. e. c. (including private trust funds)

Security and Commodity Brokers, Dealers, and Exchanges (32.x60—General)

- 32.x61 Security brokers and dealers
- 32.x62 Commodity brokers and dealers
- 32.x63 Exchanges and exchange clearing houses
- 32.x64 Quotation services
- 32.x69 Security and commodity organizations, n. e. c. (including investment advisers)

Insurance Carriers—not Agents, Brokers, and Service (32.x70—General)

- 32.x71 Life insurance
- 32.x72 Fire and Marine insurance, *general*
- 32.x73 Marine insurance (carriers specializing in maritime insurance)
- 32.x74 Accident and health insurance
- 32.x75 Title insurance
- 32.x76 Financial obligation insurance (including companies insuring bank deposits,

FINANCE, INSURANCE, AND REAL
ESTATE—Continued*Insurance Carriers—not Agents, Brokers, and
Service—Continued*

- 32.x76 Financial obligation, etc.—Continued
shares in savings and loan associations,
and guaranteeing or issuing insurance
on mortgages)
- 32.x79 Insurance carriers, n. e. c. (including
casualty, fidelity, and surety insurance
companies)

*Insurance Agents, Brokers, and Service (32.x80—
General)*

- 32.x81 Insurance agents
- 32.x82 Insurance brokers
- 32.x83 Rate-making organizations
- 32.x84 Independent insurance adjusters
- 32.x85 Adjusting bureaus and life insurance
conservation bureaus (carrier-owned
and operated)
- 31.x86 Insurance services, n. e. c. (including
policyholders consulting service)

Finance (Other)

- 32.x87 Patent buying and licensing
- 32.x88 Security-holders' protective committees
- 32.x89 Finance, n. e. c.

Real Estate (32.x90—General)

- 32.x91 Operators (owners or lessees) of im-
proved property (including dwellings
and office buildings)
- 32.x92 Lessors of real property (including
agricultural, forest, mining, railroad,
public utilities, business, and residential
properties)
- 32.x93 Owners for improvement (including
subdividing real property into lots and
developing it for resale)
- 32.x94 Speculative builders
- 32.x95 Trader (not builders)
- 32.x96 Agents, brokers, and managers
- 32.x99 Real estate, n. e. c. (including com-
panies engaged in searching real estate
titles—title abstract companies)
Industrial codes continued to 37.x01

PHYSICS AND ASTRONOMY (33)

These designations cover theoretical and labora-
tory work in physics and astronomy, and include
the specialized fields of mechanics, heat, sound,
light, electricity, magnetism, electronics, crystal-
lography, X-rays, astrophysics, and related subjects.
Applied or engineering aspects of physics are not

PHYSICS AND ASTRONOMY (33)—Continued

treated here and are classified in the engineering
groups.

The third digit (indicated by "x" in the code
numbers) provides for further classification in ac-
cordance with the following functions:

- 0 General (two or more functions (includ-
ing administration))
- 1 Testing and related production functions
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 All semiprofessional occupations (includ-
ing technicians)
- 6 Research
- 7 Not specified above

(For students and for those with generalized ex-
perience see 25.x97 and 25.x98.)

Mechanics

- 33.x00 General
- 33.x01 Weights and measures
- 33.x02 Timepieces and measurements of time
- 33.x03 Vibration measurements analysis and
control
- 33.x04 Ballistics
- 33.x05 Elasticity, including photoelastic anal-
ysis
- 33.x06 Hydrodynamics
- 33.x07 Aerodynamics
- 33.x08 Extreme pressure effects
- 33.x09 Not classified above

Heat

- 33.x10 General
- 33.x11 Thermometry and pyrometry
- 33.x12 Calorimetry
- 33.x13 Thermodynamics, theoretical and ap-
plied
- 33.x14 Low and high temperature phenomena
- 33.x15 Heat engines
- 33.x16 Heat transmission and insulation
- 33.x19 Not classified above

Sound

- 33.x20 General
- 33.x21 Propagation and transmission of sound
- 33.x22 Instruments and techniques for sound
measurement
- 33.x23 Music, tone, harmonics, pitch, etc.
- 33.x24 Building acoustics
- 33.x25 Sound ranging
- 33.x26 Aircraft detection
- 33.x29 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

PHYSICS AND ASTRONOMY (33)—Continued

Light

- 33.x30 General
- 33.x31 Standards and illumination, absorption, reflectivity
- 33.x32 Light measurements and sources
- 33.x33 Instrument design
- 33.x34 Spectroscopy
- 33.x35 Microphotography
- 33.x36 Color photography
- 33.x39 Not classified above

Electricity, Magnetism, Electronics, and Ionics

- 33.x40 General
- 33.x41 Direct and alternating current phenomena
- 33.x42 Conduction of electricity in solids and liquids
- 33.x43 Electrical contacts
- 33.x44 Other (electricity)
- 33.x45 Magnetism
- 33.x46 Conduction in gases, theoretical and practical
- 33.x47 Vacuum tubes
- 33.x48 Electron optics
- 33.x49 Not classified above

X-Rays and Crystallography

- 33.x50 General
- 33.x51 X-ray production
- 33.x52 X-ray spectroscopy
- 33.x53 X-ray radiography
- 33.x54 X-ray industrial applications
- 33.x55 X-ray biological uses
- 33.x56 Electron diffraction, design of equipment
- 33.x57 Electron diffraction application
- 33.x58 Crystal structure
- 33.x59 Not classified above

Molecular, Atomic, and Nuclear Physics

- 33.x60 General
- 33.x61 Cyclotrons
- 33.x62 Electrostatic and electromagnetic generators
- 33.x63 Atomic and nuclear disintegration, includes artificial radioactivity
- 33.x64 Cosmic rays
- 33.x65 Standards and radioactivity techniques
- 33.x66 Mass spectroscopy
- 33.x67 Structure (including atomic, nuclear, or molecular)
- 33.x69 Not classified above

Astronomy and Astrophysics

- 33.x70 General
- 33.x71 Skilled visual observation

PHYSICS AND ASTRONOMY (33)—Continued

Astronomy and Astrophysics—Continued

- 33.x72 Photographic and photometry technique
- 33.x73 Celestial mechanics and statistical analysis
- 33.x74 Optics and design of instruments and methods
- 33.x75 Navigation
- 33.x76 Stellar, solar, and planetary spectroscopy
- 33.x77 Radiation measurement (including radiometer, photoelectric cell, thermopile, and bolometer)
- 33.x79 Not classified above

Physics and Astronomy (other)

- 33.x90 General
- 33.x91 Mechanical devices and instruments, n. e. c.
- 33.x97 Student (either a fourth year or graduate student who does not indicate a field of specialization)
- 33.x98 Personnel experienced in two or more of the above (italicized) fields
- 33.x99 Not classified above

MATHEMATICS AND STATISTICS (34)

The third digit (indicated by "x" in the code numbers) provides for classification of jobs according to function, as follows:

- 0 General (two or more functions) (including administration)
- 2 All semiprofessional functions
- 3 Editing and writing
- 4 Teaching (college level)
- 5 Sampling methods
- 6 Interpretation of data (analysis)
- 7 Presentation of data (including graphic)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience, see 34.x97 and 34.x98.)

(Pure) Mathematics, Intermediate

- 34.x00 General (including only individuals who have a baccalaureate degree, with mathematics as the major subject, that is, a minimum of 30 hours credit in the subject)

(Pure) Mathematics, Advanced

- 34.x10 General (including only individuals who have at least a master's degree in the field of mathematics)

MATHEMATICS AND STATISTICS

(34)—Continued

(Pure) Statistical methods and procedures

34.x20 General

Financial Statistics

34.x30 General (embraces the gathering, interpretation, and presentations of factual information about earnings and dividends of corporations, industries, and securities)

Economic Statistics (other than financial and agricultural)

34.x40 General

34.x41 Labor

34.x42 Cost of living

34.x43 Industry (manufacturing and distribution)

34.x44 Public utilities (including transportation)

34.x45 Construction

34.x46 Insurance cost studies, nonactuarial (including social insurance)—see 34.x92

34.x47 Government regulation of business

34.x48 Problems related to fisheries, forests, minerals, or water power

34.x49 Not classified above

Agricultural Economics Statistics

34.x50 General

34.x51 Marketing of agricultural products

34.x52 Government regulation of agriculture (including subsidies and price control)

34.x53 Finance (pertinent only to agriculture)

34.x59 Not classified above

Statistics of Physical Sciences

34.x60 General

34.x61 Geodetics

34.x62 Ballistics

34.x63 Astronomy

34.x64 Meteorology

34.x65 Engineering

34.x66 Cryptography

34.x69 Not classified above

Statistics of Natural Sciences

34.x70 General (including agriculture, forestry, and medicine)

Social Statistics

34.x80 General

34.x81 Vital (census)

34.x82 Psychological and educational

34.x83 Sociological analysis

34.x89 Not classified above

Actuarial Statistics

34.x90 General

34.x91 Life, accident, and health insurance

MATHEMATICS AND STATISTICS

(34)—Continued

Actuarial Statistics—Continued

34.x92 Social insurance—see 34.x46

34.x93 Property insurance (other than marine)

34.x94 Marine insurance

34.x95 Casualty, fidelity, and surety insurance

34.x96 Financial obligation insurance

34.x97 Student (either a fourth year student of mathematics or statistics; or a graduate student in statistics) NOTE.—Graduate students of mathematics should be coded either 34.x00 or 34.x10 as appropriate.

34.x98 Mathematician or statistician experienced in two or more of the above *italicized* fields

NOTE.—Do not code here a (pure) advanced mathematician who is not also a statistician

34.x99 Not classified above

GEOLOGY AND GEOPHYSICS (35)

Covered by this designation are professional occupations in the field of geology and geophysics which includes specialized branches such as economic geology, mineralogy, paleontology, petrology, surficial geology and stratigraphy, seismology, hydrology, oceanography, terrestrial magnetism and electricity, meteorology, and practical weather forecasting.

The third digit (indicated by "x" in the code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Curating
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Inspection
- 6 Exploring and related functions
- 7 All semiprofessional occupations (including technicians)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience see 35.x97 and 35.x98.)

Economic Geology

35.x00 General

35.x01 Building stone, sand, gravel, cement, clay, refractories

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS.

GEOLOGY AND GEOPHYSICS (35)—Continued

Economic Geology—Continued

- 35.x02 Coal
- 35.x03 Engineering
- 35.x04 Gas and oil (petroleum)
- 35.x05 Ground water
- 35.x06 Minerals, metallic and nonmetallic,
n. e. c.
- 35.x09 Not classified above

Mineralogy

- 35.x10 General
- 35.x11 Crystallography
- 35.x12 Chemical mineralogy
- 35.x13 Physical mineralogy
- 35.x14 Optical mineralogy
- 35.x15 Gems and precious stones
- 35.x16 Meteorites
- 35.x19 Not classified above

Paleontology

- 35.x20 General
- 35.x21 Micropaleontology
- 35.x22 Paleobotany
- 35.x23 Invertebrate paleontology
- 35.x24 Vertebrate paleontology
- 35.x29 Not classified above

Petrology

- 35.x30 General
- 35.x31 Igneous petrology
- 35.x32 Metamorphic petrology
- 35.x33 Petrography
- 35.x34 Sedimentary petrology
- 35.x35 Petrofabrics
- 35.x36 Geochemistry
- 35.x39 Not classified above

Surficial Geology and Stratigraphy

- 35.x40 General
- 35.x41 Cartography
- 35.x42 Geomorphology
- 35.x43 Glacial geology
- 35.x44 Physiographic processes
- 35.x45 Topography
- 35.x46 Soil science
- 35.x47 Stratigraphy
- 35.x49 Not classified above

Seismology

- 35.x50 General
- 35.x51 Seismic prospecting
- 35.x52 Design of engineering structures to resist earthquakes
- 35.x53 Instruments and equipment, design, development, construction
- 35.x54 Station operation

GEOLOGY AND GEOPHYSICS (35)—Continued

Seismology—Continued

- 35.x59 Not classified above

Oceanography and Hydrology

- 35.x60 General
- 35.x61 Physical or chemical properties of ocean waters
- 35.x62 Waves, tides, or currents
- 35.x64 Bottom specimens
- 35.x65 Sea ice
- 35.x66 Instruments and equipment, design, development, construction
- 35.x67 Flood forecasting
- 35.x68 Snow and glacial hydrology and surveying
- 35.x69 Not classified above

Terrestrial Magnetism and Electricity

- 35.x70 General
- 35.x71 Magnetic methods, general
- 35.x72 Magnetic surveys, land and sea
- 35.x73 Geomagnetic mapping
- 35.x74 Earth currents and magnetic storms
- 35.x75 Electrical methods, general
- 35.x76 Atmospheric electricity
- 35.x77 Cosmic rays (See Physics and Astronomy 33.x64)
- 35.x78 Instruments and equipment, design, development, construction
- 35.x79 Not classified above

Meteorology (including forecasting)

- 35.x80 General
- 35.x81 Surface, continental
- 35.x82 Surface, sea
- 35.x83 Radiosonde
- 35.x84 Weather coding, mapping, and plotting
- 35.x85 Weather forecasting (general)
- 35.x86 Weather forecasting (including airways and special interests)
- 35.x87 Climatology
- 35.x88 Instruments and equipment; design and development
- 35.x89 Not classified above

Geology and Geophysics (Other)

- 35.x90 General
- 35.x91 Geology, n. e. c.
- 35.x92 Geophysics, n. e. c.
- 35.x97 Student (either a fourth year or graduate student who does not indicate a field of specialization)
- 35.x98 Personnel experienced in two or more of the above (italicized) fields
- 35.x99 Not classified above

TRANSPORTATION, COMMUNICATION, AND
OTHER PUBLIC UTILITIES*Transportation* (See "Transportation 65" page 92)

- 0 Over-all and coordinating management
- 1 Production supervision
- 2 Purchasing
- 3 Sales
- 4 Warehousing, storage, or transportation
- 5 Technology
- 6 Engineering
- 8 Cost Accounting
- 9 Not classified above

Communication (37.x00—General)

- 37.x01 Telephone
- 37.x02 Telegraph
- 37.x03 Radio (program broadcasting and television) (see Radio Engineering, 47)
- 37.x04 Radio message services
- 37.x09 Communications, n. e. c. (including teletypewriter, ticker tape, telephoto and phototransmission services)

Heat, Light, and Power (37.x10—General)

- 37.x11 Electric light and power
- 37.x12 Gas, *general* (including companies distributing a mixture of natural and manufactured gas)
- 37.x13 Natural gas
- 37.x14 Manufactured gas
- 37.x19 Heat, light, and power, n. e. c. (including producers and distributors of steam for heating and power purposes)

Water and Sanitary Services (37.x20—General)

- 37.x21 Water
- 37.x22 Sanitary services (including companies engaged in the disposal of garbage, ashes, rubbish, and sewage, by means of destroying or processing such wastes or otherwise providing facilities for their final disposal)
- 37.x29 Water and sanitary services, n. e. c.

SERVICE INDUSTRIES

Lodging Places (37.x30—General)

- 37.x31 Hotels (including seasonal hotels)
- 37.x32 Rooming and boarding houses
- 37.x33 Auto courts, tourist camps, and cabin camps
- 37.x34 Sporting and recreational camps (including dude ranches)
- 37.x39 Lodging places, n. e. c. (including YMCA and other membership organizations)

SERVICE INDUSTRIES—Continued

Personal Services (Industries) (37.x40—General)

- 37.x41 Laundries and laundry services (including power and hand laundries, linen supply, and diaper service)
- 37.x42 Cleaning and dyeing plants (including rug cleaning and repairing)
- 37.x43 Photographic studios (including processors and commercial photographers)
- 37.x44 Barber or beauty shops
- 37.x45 Shoe repair shops (including hat cleaning)
- 37.x46 Funeral service (including crematories)
- 37.x47 Valet shops (including fur repair and storage)
- 37.x49 Personal service industries, n. e. c. (including Turkish baths, clothing rental, locker rental, and social escort service)

Business Services (37.x50—General)

- 37.x51 Advertising (including agencies and outdoor services)
- 37.x52 Adjustment and credit bureaus; and collection agencies
- 37.x53 Duplicating, addressing, blueprinting, photostating, mailing, mailing list, and stenographic services
- 37.x54 Private employment agencies
- 37.x55 Services to buildings (including window cleaning, vermin extermination, and janitorial services)
- 37.x56 News syndicates
- 37.x57 Export-import services
- 37.x59 Business services, n. e. c. (including auctioneering establishments, vending machine services, sign-painting shops, armored-car services, detective agencies, public-address systems, bottle exchanges, and commodity inspection services)

Automobile Repair Services and Garages (37.x60—General)

- 37.x61 Automobile and truck rentals
- 37.x62 Storage garages and parking lots
- 37.x63 Automobile repair, *general*
- 37.x64 Automobile top and body repair
- 37.x65 Battery and ignition service
- 37.x66 Radiator repair shops
- 37.x67 Tire repair shops (including retreading)
- 37.x68 Automobile paint shops
- 37.x69 Automotive services, n. e. c.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

SERVICE INDUSTRIES—Continued

- Miscellaneous Repair Services (37.x70—General)*
- 37.x71 Blacksmith shops
 - 37.x72 Electrical repair shops (including armature rewinding)
 - 37.x73 Watch, clock, and jewelry repair
 - 37.x74 Upholstery and furniture repair
 - 37.x75 Musical instrument repair
 - 37.x76 Locksmith and gunsmith shops
 - 37.x79 Miscellaneous repair shops and hand trades, n. e. c. (including key duplicating, tool sharpening, and tin-smithing)
- Motion Picture Theaters*
- 37.x86 Rental or repair of motion-picture equipment
 - 37.x87 Motion-picture theaters
- Amusement and Recreation Services (37.x90—General)*
- 37.x91 Dance halls, studios, and schools
 - 37.x92 Theaters and theatrical producers (including related services: employment agencies, booking agencies, ticket agencies, and rental agencies for scenery)
 - 37.x93 Baseball and football clubs, athletic fields, and sports promoters
 - 37.x94 Golf clubs
 - 37.x95 Bathing beaches or swimming pools
 - 37.x96 Riding academies
 - 37.x97 Bands, orchestras, and entertainers
 - 37.x98 Race-track operation (including racing stable management)
 - 37.x99 Amusement and recreation services, n. e. c. (including bowling, billiards and pool; skating rinks, gymnasiums; tennis courts; shooting galleries; and miscellaneous amusement concessions)
- (Service Industries continued within 44.x00 through 44.x39.)

CIVIL ENGINEERING (40)

This designation includes the construction, installation, maintenance, design, lay-out, and location of such works as roads, buildings, water supply and sewage disposal systems; and surveying.

The third digit (indicated by "x" in the code numbers) provides for classification of jobs according to phase of operation as follows:

- 0 General (two or more functions including administration)
- 1 Inspection (including indirect supervision of construction)

CIVIL ENGINEERING (40)—Continued

The third digit, etc.—Continued

- 2 All semiprofessional functions (including technicians)
- 3 Direct supervision of construction or installation
- 4 Teaching (college level)
- 5 Operation or maintenance
- 6 Estimating, valuating, or appraising
- 7 Layout or location
- 8 Design
- 9 Function not specified above

(For students and for those with specialized training see 40.x97 and 40.x98)

Airports and Landing Fields

- 40.x00 General
- 40.x01 Drainage and runways
- 40.x02 Hangars and buildings
- 40.x03 Housing and utilities
- 40.x04 Radio towers
- 40.x05 Not classified above

Bridges

- 40.x06 General
- 40.x07 Arch
- 40.x08 Cantilever
- 40.x09 Movable-bascule, vertical lift
- 40.x10 Ponton, floating
- 40.x11 Rigid frame
- 40.x12 Suspension
- 40.x13 Trestles, viaducts
- 40.x14 Truss
- 40.x15 Not classified above

Buildings

- 40.x16 General
- 40.x17 Cantonments
- 40.x18 Commercial
- 40.x19 Industrial
- 40.x20 Schools and hospitals
- 40.x21 Stadia and grandstands
- 40.x22 Theaters and auditoriums
- 40.x23 Coal and grain elevators and storage
- 40.x24 Building demolition and materials salvage
- 40.x25 Not classified above

Dams, Locks

- 40.x26 General
- 40.x27 Arched
- 40.x28 Concrete and masonry gravity dams
- 40.x29 Earth, hydraulic fill, rock fill dams, and timber dams
- 40.x30 Movable dams

CIVIL ENGINEERING (40)—Continued

Dams, Locks—Continued

- 40.x31 Reinforced concrete (including retaining walls and buttresses)
- 40.x32 Locks
- 40.x33 Not classified above

Flood Control

- 40.x34 General
- 40.x35 Channels and diversion
- 40.x36 Dams, reservoirs, or levees
- 40.x37 Not classified above

Foundations

- 40.x38 General
- 40.x39 Diamond and shot drilling, and wash-boring
- 40.x40 Piers and abutments
- 40.x41 Piles, pile driving, and underpinning
- 40.x42 Pneumatic and open caissons
- 40.x43 Not classified above

Highways, Streets, Pavements

- 40.x44 General
- 40.x45 Bituminous, brick, and concrete
- 40.x46 Macadam, earth, gravel, and low-cost roads
- 40.x47 Not classified above

Hydrology, Meteorology

- 40.x48 General
- 40.x49 Run-off, floods, underground flow, and storage
- 40.x50 Not classified above

Ports, Terminals, Harbors, Waterways

- 40.x51 General
- 40.x52 Breakwaters, jetties, roadsteads, and anchorages
- 40.x53 Canals
- 40.x54 Coast protection
- 40.x55 Loading, unloading, and storage facilities
- 40.x56 Docks, piers, quays, wharves, and bulkheads
- 40.x57 Dredges and dredging
- 40.x58 Drydocks and shipyards
- 40.x59 Not classified above

Railroads—Street Railways

- 40.x60 General
- 40.x61 Tracks
- 40.x62 Terminals, shops, and yards
- 40.x63 Street and interurban systems
- 40.x64 Steam and electric systems
- 40.x65 Not classified above

Reclamation and Soils

- 40.x66 General

CIVIL ENGINEERING (40)—Continued

Reclamation and Soils—Continued

- 40.x67 Irrigation projects
- 40.x68 Soils and soil erosion control
- 40.x69 Not classified above

Sanitation

- 40.x70 General
- 40.x71 Garbage, incineration, and waste disposal
- 40.x72 Industrial and factory
- 40.x73 Sewerage systems, and sewage treatment and disposal
- 40.x74 Not classified above

Surveying and Mapping

- 40.x75 General
- 40.x76 Aerial surveying and topographic mapping
- 40.x77 Geodetic and triangulation surveys
- 40.x78 Surveys and mapping (including hydrographic)
- 40.x79 Not classified above

Tunnels and Shafts

- 40.x80 General
- 40.x81 Earth tunnels
- 40.x82 Rock tunnels
- 40.x83 Shafts
- 40.x84 Subaqueous tunnels
- 40.x85 Subways
- 40.x86 Not classified above

Valuations, Appraisals, Markets

- 40.x87 General
- 40.x88 Buildings
- 40.x89 Public utilities or railroads
- 40.x90 Not classified above

Water Works

- 40.x91 General
- 40.x92 Canals, tunnels, aqueducts, wells, galleries, and intakes
- 40.x93 Distribution mains, pumping plants and services, standpipes, tanks, and storage works
- 40.x94 Filtration and treatment plants
- 40.x95 Not classified above

Civil Engineer (other)

- 40.x96 General
- 40.x97 Student (either a fourth year, or a graduate student in any of above fields who does not indicate a field of specialization)
- 40.x98 Individual experience in two or more of above (italicized) fields.
- 40.x99 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

NAVAL ARCHITECTURE AND MARINE
ENGINEERING (41)

Covered by this designation are professional and semiprofessional occupations in Naval Architecture and Marine Engineering including basic and structural design of boats, hull engineering, hull equipment, plant construction and planning, basic design of marine power plants, and other specialized fields.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Direct supervision of construction
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 All semiprofessional functions (including technicians)
- 6 Research
- 7 Design
- 8 Operation or maintenance
- 9 Function not specified above

(For students and for those with generalized experience see 41.x97 and 41.x98.)

(Naval Architecture (41.x00—41.x59))

Basic Design

- 41.x00 General
- 41.x01 Lines
- 41.x02 Ship calculations (including weight)
- 41.x03 Stability
- 41.x04 Subdivision
- 41.x05 Freeboard
- 41.x06 Speed and Power
- 41.x07 Launching
- 41.x08 Specifications
- 41.x09 Not classified above

Structural Design

- 41.x10 General
- 41.x13 Midship section
- 41.x14 Bulkheads
- 41.x15 Framing
- 41.x16 Shell plating
- 41.x17 Decks
- 41.x18 Superstructures
- 41.x21 Riveting and welding
- 41.x22 Armor
- 41.x23 Vibration
- 41.x24 General strength calculation
- 41.x25 Foundations

NAVAL ARCHITECTURE AND MARINE
ENGINEERING (41)—Continued

Structural Design—Continued

- 41.x26 Fireproofing and insulation
- 41.x29 Not classified above

Hull Engineering

- 41.x30 General
- 41.x31 Cargo handling
- 41.x32 Steering gear
- 41.x33 Anchor gear
- 41.x34 Boat handling
- 41.x35 Rigging
- 41.x36 Airplane handling
- 41.x37 Drainage and hull piping systems
- 41.x38 Turrets and ammunition handling
- 41.x39 Not classified above

Hull Equipment

- 41.x40 General
- 41.x41 Navigation
- 41.x42 Commissary, hospital, laundry
- 41.x43 Electrical
- 41.x44 Doors, windows, hatches, ports
- 41.x45 Fire protection
- 41.x49 Not classified above

Plant

- 41.x50 General
- 41.x52 Piers
- 41.x53 Dry docks
- 41.x54 Marine railways
- 41.x55 Shops
- 41.x56 Machine tools
- 41.x57 Crane service
- 41.x59 Not classified above

MARINE ENGINEERING (41.x60—41.89)

Basic Design

- 41.x60 General
- 41.x61 Specifications (includes calculations)
- 41.x62 Fuel consumption
- 41.x63 Boiler heating surface
- 41.x64 Reduction gear calculation
- 41.x65 Condenser calculation
- 41.x66 Heat balance calculation
- 41.x67 Piping diagrams
- 41.x68 Turbine calculations
- 41.x69 Not classified above

Marine Engineering

- 41.x70 General
- 41.x71 Boilers, condenser pumps, and blowers
- 41.x72 Reciprocating steam engines
- 41.x73 Turbines

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MARINE ENGINEERING (41.x60-41.89)—Con.

Marine Engineering—Continued

- 41.x74 Turbo-electric
- 41.x75 Diesel engines
- 41.x76 Reduction gears
- 41.x77 Propellers
- 41.x78 Shafting
- 41.x81 Electric equipment and circuits
- 41.x83 Lubrication
- 41.x84 Vibration, insulation, and sound control
- 41.x85 Deck machinery
- 41.x86 Trial conducting and analysis
- 41.x87 Piping
- 41.x88 Feed systems
- 41.x89 Not classified above

Naval Architecture and Marine Engineering (other)

- 41.x90 General
- 41.x91 Naval architecture, n. e. c.
- 41.x92 Marine engineering, n. e. c.
- 41.x97 Student (either a fourth year or a graduate student who does not indicate a field of specialization)
- 41.x98 Naval architects or marine engineers Experienced in two or more of the above (italicized) fields
- 41.x99 Not classified above

ARCHITECTURE (42)

This designation includes Architecture and Landscape Architecture. It covers the design and construction, both interior and exterior, of structures such as buildings, stadia, bridges, and dams, as well as the planning and development of recreational areas, parkways, and landscaping.

Architecture and Civil Engineering often overlap. In Architecture, however, emphasis is placed upon plan and design, especially from the standpoint of aesthetics.

The third digit (indicated by "x" in the code numbers) provides for classification of jobs according to function, as follows:

- 0 General (two or more functions including administration)
- 1 Inspection (including indirect supervision of construction)
- 2 All semiprofessional functions (including drafting)

ARCHITECTURE (42)—Continued

The third digit, etc.—Continued

- 3 Direct supervision of construction or installation
- 4 Teaching (college level)
- 5 Writing and editing
- 6 Estimating, valuating or appraising
- 7 Planning (including building location)
- 8 Design (including aesthetic; and specification writing)
- 9 Function not specified above

(For students and for those with generalized experienced, see 33.x97 and 33.x98.)

Buildings and Other Structures (see Industries Construction, 27.x30—27.x59)

- 42.x00 General
- 42.x01 Light buildings (including residences, small commercial structures, farm buildings, and cantonments)
- 42.x02 Commercial (including office buildings and department stores)
- 42.x03 Institutions (including schools and hospitals)
- 42.x04 Public buildings (including courthouses and post offices)
- 42.x05 Public assembly (including churches and auditoriums)
- 42.x06 Industrial (including factories and warehouses)
- 42.x07 Hangars
- 42.x08 Power plants
- 42.x11 Filtration plants and water works
- 42.x12 Incinerators, sewage, and garbage disposal plants
- 42.x13 Bridges
- 42.x14 Dams
- 42.x15 Airports
- 42.x16 Harbor facilities (including pier superstructures)
- 42.x19 Not classified above

Landscape—Planning and Development

- 42.x20 General
- 42.x21 National
- 42.x22 Regional, state and county
- 42.x23 City and project planning (including large housing)
- 42.x24 Recreation areas
- 42.x25 Parks and parkways (including playgrounds)
- 42.x26 Cemeteries

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

ARCHITECTURE (42)—Continued

Landscape—Planning and Development—Cont.

- 42.x27 Private residence projects
- 42.x29 Not classified above

Architecture, other

- 42.x90 General
- 42.x91 Transportation facilities (including highways, railways, airports, and related facilities)
- 42.x92 Municipal (restricted to municipal architects performing duties in several broad fields and not as specialists)
- 42.x93 Interiors (including kitchens, auditoriums, and railroad car and ship interiors)
- 42.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 42.x98 Personnel experienced in two or more of the above (italicized) fields.
- 42.x99 Not classified above

INDUSTRIAL FUNCTIONS

- 0 Over-all and coordinating management
- 1 Production supervision
- 2 Purchasing
- 3 Sales
- 4 Warehousing, storage or transportation
- 5 Technology
- 6 Engineering
- 8 Cost Accounting
- 9 Not classified above

Medical and Other Health Services

- 44.x01 Hospitals
- 44.x02 Medical laboratories (analytical services)
- 44.x03 Dental laboratories (mechanical services)
- 44.x04 Animal hospitals
- 44.x05 Group-health associations
- 44.x06 Sanatoria
- 44.x09 Health and allied services, n. e. c.

Professional Services, Not Elsewhere Classified

- 44.x11 Engineering and architectural services
- 44.x12 Public accounting and auditing services
- 44.x13 Foreign affairs advisory services
- 44.x14 Public relations advisory services
- 44.x15 Statistical services. See 34.x

INDUSTRIAL FUNCTIONS—Continued

Professional Services, Not Elsewhere Classified—Continued

- 44.x16 Market research bureaus
- 44.x17 Administrative consultant firms (including management engineering)
- 44.x19 Professional services, n. e. c.

Educational Services (44.x20—General)

- 44.x21 Private tutoring
- 44.x22 Governess services
- 44.x24 Correspondence schools
- 44.x25 Nonprofit research agencies (including the Brookings Institution)
- 44.x26 Libraries
- 44.x27 Museums
- 44.x28 Botanical and zoological gardens
- 44.x29 Schools and educational services, n. e. c. (including nursery schools, dramatic schools, and language schools)

Nonprofit Membership Organizations (44.x30—General)

- 44.x31 Business associations (including Chambers of Commerce)
- 44.x32 Professional organizations
- 44.x33 Labor organizations
- 44.x34 Civic, social, recreational, and fraternal associations
- 44.x35 Political organizations
- 44.x36 Religious organizations
- 44.x37 Charitable organizations
- 44.x39 Nonprofit membership organizations, n. e. c. (including animal humane societies, automobile owners' clubs, farm granges, and historical clubs)

INDUSTRIAL AND SAFETY ENGINEERING (45)

This designation covers the technology of organizing and operating industrial establishments, including activities such as the analysis of the jobs, plant lay-out, and inspection, production methods and control, and the installation of safety devices.

The third digit (indicated by "x" in the code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Job analysis and evaluation
- 2 Production methods and control
- 3 Plant lay-out and inspection

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

INDUSTRIAL AND SAFETY ENGINEERING
(45)—Continued

The third digit, etc.—Continued

- 4 Teaching (college level)
- 5 All semiprofessional functions (including technicians)
- 6 Time and motion study
- 7 Research
- 8 Editing and writing
- 9 Function not specified above

(For students and for those with generalized experience 45.x97 and 45.x98.)

Construction

- 45.x00 General
- 45.x01 Buildings
- 45.x02 Tunnels and caissons
- 45.x03 Roads
- 45.x04 Dams, levees, and bridges
- 45.x05 Not classified above

Petroleum

- 45.x06 General
- 45.x07 Oil field operations
- 45.x08 Manufacturing, refinery
- 45.x09 Not classified above

Transportation

- 45.x10 General
- 45.x11 Steam and electric railways
- 45.x12 Automotive fleets
- 45.x13 Not classified above

Chemical

- 45.x15 General
- 45.x16 Munitions
- 45.x17 Acids and solvents
- 45.x18 Gases
- 45.x19 Not classified above

Paper and Pulp

- 45.x20 General
- 45.x21 Pulp manufacture
- 45.x22 Paper and paper board manufacture
- 45.x23 Paper remanufacture
- 45.x24 Printing and bookbinding
- 45.x25 Not classified above

Aeronautical

- 45.x26 General
- 45.x27 Aeroplane manufacture
- 45.x28 Airport operations
- 45.x29 Not classified above

Public Safety

- 45.x30 General
- 45.x31 Traffic engineering
- 45.x32 Schools and playgrounds
- 45.x33 Not classified above

INDUSTRIAL AND SAFETY ENGINEERING
(45)—Continued*Metals and Metal Products*

- 45.x34 General
- 45.x35 Steel mills and foundries
- 45.x36 Stamped metal goods forgings
- 45.x37 Machinery manufacture
- 45.x38 Locomotive and railway car manufacture
- 45.x39 Not classified above

Food and Tobacco Products

- 45.x40 General
- 45.x42 Grain handling and milling
- 45.x43 Bakeries
- 45.x44 Packing house operations
- 45.x45 Canning, preserving, and confectionery
- 45.x46 Not classified above

Wood

- 45.x47 General
- 45.x48 Wood products
- 45.x49 Not classified above (including lumber mills and forest operations)

Fabrics, Leather, and Rubber

- 45.x50 General
- 45.x51 Textile mills
- 45.x52 Leather tanning
- 45.x53 Leather goods manufacture
- 45.x54 Boots and shoes manufacture
- 45.x55 Rubber tires manufacture
- 45.x56 Rubber products manufacture
- 45.x57 Composition goods manufacture
- 45.x59 Not classified above

Public Utilities

- 45.x60 General
- 45.x61 Gas, natural and manufactured
- 45.x62 Telephone and telegraph
- 45.x63 Water and ice
- 45.x64 Public works operations
- 45.x65 Power and Light
- 45.x69 Not classified above

Mining

- 45.x70 General
- 45.x71 Coal, open pit
- 45.x73 Metal, open pit
- 45.x74 Metal, shaft and underground
- 45.x75 Nonmetallic mining
- 45.x76 Not classified above

Sand, Stone and Clay Products

- 45.x77 General
- 45.x78 Ceramics, brick, and tile manufacture
- 45.x79 Glass and glass products
- 45.x80 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

INDUSTRIAL AND SAFETY ENGINEERING

(45)—Continued

Industrial and Safety Engineering (Other)

- 45.x81 General
- 45.x82 Coal and material yards
- 45.x83 Industrial hygiene
- 45.x84 Maritime operations
- 45.x85 Mercantile establishments
- 45.x86 Motion pictures
- 45.x87 Pressure vessels, fired and unfired
- 45.x88 Prime movers, engines, and turbines
- 45.x89 Elevators and cranes
- 45.x90 Fire protection and prevention
- 45.x91 Sanitation
- 45.x92 Agriculture
- 45.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 45.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 45.x99 Not classified above

TRANSIT AND TRAFFIC ENGINEERING (46)

This designation includes professional and semi-professional functions in traffic surveying, safety promotion, educational programs in safety, traffic engineering, driver training, highway facility studies and regulation (including control devices), and urban (public utility) transportation.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Design
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Research
- 6 Operation and maintenance
- 7 All semiprofessional functions (including technicians)
- 8 Construction
- 9 Function not specified above

(For students and for those with generalized experience see 46.x97 and 46.x93.)

Traffic Surveys

- 46.x00 General
- 46.x01 City traffic
- 46.x02 Rural highway traffic

TRANSIT AND TRAFFIC ENGINEERING

(46)—Continued

Traffic Surveys—Continued

- 46.x03 Highway planning
- 46.x04 Vehicular planning
- 46.x05 Parking and terminals
- 46.x06 Accident analysis
- 46.x09 Not classified above

Highway Facilities

- 46.x10 General
- 46.x11 Grade separation
- 46.x12 Channelization
- 46.x13 Lighting
- 46.x19 Not classified above

Traffic Control Measures and Devices

- 46.x20 General
- 46.x21 Signals, signs, and markings
- 46.x22 Vehicular and pedestrian regulations
- 46.x23 Enforcement facilities
- 46.x24 Accident investigations
- 46.x29 Not classified above

Safety Promotional Activities

- 46.x30 General
- 46.x31 Press publicity and advertising
- 46.x32 Radio and public addresses
- 46.x33 Contest
- 46.x34 Literature and posters
- 46.x35 Films
- 46.x39 Not classified above

Education

- 46.x40 General
- 46.x41 Technical traffic engineering
- 46.x42 Adult and child safety
- 46.x43 City traffic enforcement agencies
- 46.x44 State traffic enforcement agencies
- 46.x45 Driver training
- 46.x49 Not classified above

Urban Transportation

- 46.x50 General
- 46.x51 Operation of service
- 46.x52 Schedule making
- 46.x53 Passenger traffic analysis
- 46.x54 Fare structure analysis
- 46.x55 Franchise analysis
- 46.x56 Valuation
- 46.x57 Rolling stock, electric traction
- 46.x58 Rolling stock, automotive
- 46.x59 Not classified above

Transit and Traffic Engineering (Other)

- 46.x90 General
- 46.x91 Transit Engineering (other)
- 46.x92 Traffic Engineering (other)

TRANSIT AND TRAFFIC ENGINEERING

(46)—Continued

Transit and Traffic Engineering (Other)—Con.

- 46.x97 Student (either a fourth year or graduate student who does not specify a specialized field)
- 46.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 46.x99 Not classified above

RADIO ENGINEERING (47)

This designation covers professional, semiprofessional, or highly skilled functions in transmitter and receiver design, antennae and transmission line engineering, design and use of radio instruments, handling of accountical problems involved in audio frequency systems and sound recording, and other radio engineering work. (See Communication 37.x03)

The third digit (indicated by "x" in the code numbers) provides classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Amateur
- 2 Design and development
- 3 Installation and testing
- 4 Teaching (college level)
- 5 Maintenance and servicing
- 6 Consulting
- 7 Monitoring, operating
- 8 Research
- 9 Function not specified above

Transmitter Engineering

- 47.x00 General
- 47.x01 Frequency modulation
- 47.x02 Amplitude modulation, mobile transmitters, standard broadcast
- 47.x03 Amplitude modulation, mobile transmitters, shortwave
- 47.x04 Amplitude modulation, mobile transmitters, ultrahigh frequency
- 47.x05 Amplitude modulation, stationary transmitters, standard broadcast
- 47.x06 Amplitude modulation, stationary transmitters, shortwave
- 47.x07 Amplitude modulation, stationary transmitters, ultrahigh frequency
- 47.x08 Television transmitter
- 47.x09 Not classified above

RADIO ENGINEERING (47)—Continued

Receiver Engineering

- 47.x10 General
- 47.x11 Frequency modulation
- 47.x12 Amplitude modulation, mobile receivers, standard broadcast
- 47.x13 Amplitude modulation, mobile receivers, shortwave
- 47.x14 Amplitude modulation, mobile receivers, ultrahigh frequency
- 47.x15 Amplitude modulation, stationery receivers, standard broadcast
- 47.x16 Amplitude modulation, stationery receivers, shortwave
- 47.x17 Amplitude modulation, stationery receivers, ultrahigh frequency
- 47.x18 Television receivers
- 47.x19 Not classified above

Antennae and Transmission Line Engineering

- 47.x20 General
- 47.x21 Directional antennae
- 47.x22 Standard broadcast
- 47.x23 Shortwave
- 47.x24 Ultrahigh frequency
- 47.x25 Television
- 47.x26 Frequency modulation
- 47.x29 Not classified above

Acoustical Engineers

- 47.x30 General
- 47.x31 Audio frequency systems (including public address)
- 47.x32 Loud speakers
- 47.x33 Hearing aid
- 47.x34 Phonograph pick-up and sound recording
- 47.x39 Not classified above

Measurements and Instruments

- 47.x40 General
- 47.x41 Bridges
- 47.x42 Frequency
- 47.x43 Current, power, and voltage
- 47.x44 Field intensity
- 47.x49 Not classified above

Components and Circuits

- 47.x50 General
- 47.x51 Capacitors
- 47.x52 Resistors
- 47.x53 Transformers and inductors, power and audio frequency
- 47.x54 Transformers and inductors, radio frequency
- 47.x55 Piezoelectric crystals

RADIO ENGINEERING (47)—Continued

Components and Circuits—Continued

- 47.x57 Filters
- 47.x59 Not classified above

Radio Fields (Other)

- 47.x90 General
- 47.x91 Speech scramble
- 47.x92 Radio dispatching
- 47x.93 Radio operating
- 47.x94 Marine radio engineering
- 47.x95 Radar
- 47.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 47.x98 Personnel experienced in two or more of the above (italicized) fields
- 47.x99 Not classified above

CHEMICAL ENGINEERING (50)

Included in this designation are professional and semiprofessional occupations in the manufacture of industrial chemicals and chemical products such as acids, inorganic compounds, alcohols and esters, resins and plastics, enamels, absorbents and catalysts, insecticides, dyestuffs, and synthetics. Occupations in this category are concerned primarily with determination of production methods, design of production methods, design of production equipment and plants, and other tasks requiring a highly specialized knowledge of a particular chemical field.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Production
- 2 Research
- 3 Consulting
- 4 Teaching (college level)
- 7 Construction, installation, operation, and maintenance
- 8 Design
- 9 Function not specified above

Chemical Engineering (also see 17.x30 group; Functions "5—technology" and "6—engineering.")

- 50.x00 General
- 50.x01 Acids, inorganic
- 50.x02 Acids, organic
- 50.x03 Aluminum compounds

CHEMICAL ENGINEERING (40)—Continued

Chemical Engineering—Continued

- 50.x04 Ammonium compounds
- 50.x05 Calcium compounds
- 50.x06 Lead compounds
- 50.x07 Phosphorus and compounds
- 50.x08 Potassium compounds
- 50.x09 Sodium compounds
- 50.x10 Zinc compounds
- 50.x11 Halogens (pure)
- 50.x12 Alcohols, esters, and ethers
- 50.x13 Solvents
- 50.x14 Resins
- 50.x15 Plastics
- 50.x16 Gums and waxes
- 50.x17 Gases
- 50.x18 Coal products
- 50.x19 Dyestuffs
- 50.x20 Pigments
- 50.x21 Coal tar synthetics
- 50.x22 Explosives
- 50.x23 Paints and enamels
- 50.x24 Oils
- 50.x25 Rubber
- 50.x26 Metals
- 50.x27 Absorbents and catalysts
- 50.x28 Insecticides and disinfectants
- 50.x29 Not classified above (excluding 50.x91–50.x94)

Chemical Engineering (other)

- 50.x90 General
- 50.x91 Heavy chemicals, n. e. c.
- 50.x92 Organic chemicals, n. e. c.
- 50.x93 Inorganic chemicals, n. e. c.
- 50.x94 Electro-chemical, n. e. c.
- 50.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 50.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 50.x99 Not classified above

ELECTRICAL ENGINEERING

(Other than Radio) (51)

This designation covers professional, semiprofessional, and highly specialized electrical engineering work, including electrical materials such as insulators and conductors, electrical measurements, electrical apparatus, electricity and magnetism, electronics, electric power generation, power distribution and transmission, electric railway transportation, wire communication, illumination and general electrical applications.

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

ELECTRICAL ENGINEERING—Continued

(Other than Radio) (51)—Continued

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Operation
- 2 Editing and writing
- 3 Consulting
- 4 Research
- 5 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Construction and installation
- 8 Design
- 9 Other

(For students and for those with generalized experience see 51.x97 and 51.x98.)

(Also see 19.x90 through 19.x99, and 26.x00 through 26.x09 groups; functions "5—Technology," and "6—Engineering.")

Materials and Electrical Measurements

- 51.x00 General
- 51.x01 Conductors
- 51.x02 Insulating materials
- 51.x06 Instruments
- 51.x07 Measurements
- 51.x09 Not classified above

Electrical Apparatus

- 51.x10 General
- 51.x11 Batteries
- 51.x12 Generating equipment and motors, n. e. c. (including excitors, convertors, and generators)
- 51.x13 Transformers
- 51.x14 Lamps
- 51.x15 Control equipment and switchboards
- 51.x16 Magnets, solenoids, and relays
- 51.x17 Rectifiers
- 51.x18 Furnaces
- 51.x19 Not classified above

Electricity and Magnetism

- 51.x20 General
- 51.x21 Magnetism and magnetic measurements
- 51.x22 Electrostatics
- 51.x23 Direct current phenomena
- 51.x24 Alternating current phenomena
- 51.x25 Electrical contacts
- 51.x26 Dielectrics
- 51.x29 Not classified above

ELECTRICAL ENGINEERING—Continued

(Other than Radio) (51)—Continued

Electronics

- 51.x30 General
- 51.x31 Conduction in gases
- 51.x32 Electron tubes and circuits
- 51.x33 Photoelectric and thermoelectric apparatus
- 51.x34 Electron optics
- 51.x35 X-rays
- 51.x39 Not classified above

Electric Power Generation

- 51.x40 General
- 51.x41 Central stations
- 51.x42 Isolated plants
- 51.x43 Small power units
- 51.x49 Not classified above

Power Distribution Transmission

- 51.x50 General
- 51.x51 Overhead transmission and distribution systems
- 51.x52 Underground transmission and distribution systems
- 51.x53 Substation
- 51.x54 Protection of circuits and equipment
- 51.x55 Wiring of buildings and ships
- 51.x56 Wires and cables
- 51.x59 Not classified above

Electric Railway Transportation

- 51.x60 General
- 51.x61 Contact systems
- 51.x62 Motors
- 51.x63 Control systems
- 51.x64 Locomotives, electric
- 51.x65 Locomotives, Diesel-electric
- 51.x66 Signals
- 51.x67 Electrolysis prevention
- 51.x69 Not classified above

Wire Communication

- 51.x70 General
- 51.x71 Cables
- 51.x72 Signal systems and alarm systems
- 51.x73 Telegraph
- 51.x74 Telephone
- 51.x75 Phototransmission by wire
- 51.x79 Not classified above

Illumination

- 51.x80 General
- 51.x81 Shades and reflectors
- 51.x82 Photometry
- 51.x83 Searchlight and other special applications

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

ELECTRICAL ENGINEERING—Continued

(Other than Radio) (51)—Continued

Illumination—Continued

- 51.x84 Traffic control
- 51.x85 Lighting
- 51.x89 Not classified above

Electrical Engineering (Other)

- 51.x90 General
- 51.x91 Aviation
- 51.x92 Business machines, tabulators, calculators
- 51.x93 Electrochemistry and electrometallurgy
- 51.x94 Automotive
- 51.x95 Industrial applications of electricity, n. e. c.
- 51.x96 Refrigeration
- 51.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 51.x98 Personnel experienced in two or more of the above (italicized) fields
- 51.x99 Not classified above

MECHANICAL ENGINEERING (52)

Including in this designation are professional and semiprofessional occupations in mechanical engineering work covering military engineering, steam engines and turbines, hydraulic and hydrostatic machines, internal combustion engines, lubrication, fuels, steel mill machinery and equipment, foundry products and equipment, furnaces and combustion equipment, pumps gas compression machinery, boilers and pressure vessels, machine tools, forging and presswork, railroad equipment, material handling equipment, mechanical power transmission, and other specialized mechanical engineering fields.

The third digit (indicated by "x" in the following code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Production and construction (including testing)
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Research
- 6 All semiprofessional functions (including technicians)
- 7 Design
- 8 Operations and maintenance
- 9 Function not specified above

MECHANICAL ENGINEERING (52)—Continued

(For students and for those with generalized experience see 52.x97 and 52.x98.)

For functions covering over-all and coordinating management; production supervision; purchasing; sales; warehousing, storage, or transportation; technology; engineering; and cost accounting; for related fields, see Industrial functions for the "Manufacturing Industries" pages 43 and 44. The break-down contained therein is more detailed than that given below and should be used when it better fits the civilian occupation of the officer.

Military Engineering

- 52.x00 General
- 52.x01 Ammunition
- 52.x02 Small arms
- 52.x03 Artillery
- 52.x04 Fire-control instruments
- 52.x05 Not classified above

Steam Engines and Turbines

- 52.x06 General
- 52.x07 Turbines
- 52.x08 Engines
- 52.x09 Not classified above (including reduction gears and accessories)

Hydraulic and Hydrostatic Machines

- 52.x10 General
- 52.x11 Hydraulic and lock machinery
- 52.x12 Turbines and accessories
- 52.x13 Not classified above (including irrigation machinery)

Internal Combustion Engines

- 52.x14 General (including gasoline engines)
- 52.x15 Diesel
- 52.x16 Gas engines and turbines
- 52.x17 Not classified above (including parts and accessories)

Engines, Miscellaneous Types

- 52.x18 General
- 52.x19 Hydraulic and air engines
- 52.x20 Not classified above (including binary, mercury vapor, solar, and experimental types)

Lubrication

- 52.x21 General
- 52.x22 Lubricators
- 52.x23 Bearings
- 52.x24 Not classified above (including bearing metals)

Fuels

- 52.x25 General
- 52.x26 Petroleum products, alcohol, natural gas, acetylene

MECHANICAL ENGINEERING (52)—Continued

Fuels—Continued

- 52.x27 Not classified above (including coal, lignite, wood, wastes, bagasse, and tar)

Steel Mill Machinery and Equipment

- 52.x28 General
 52.x29 Bessemer converters or blast furnaces
 52.x30 Open hearths
 52.x31 Crucible
 52.x32 Electric furnaces
 52.x33 Rolling mills
 52.x34 Mill equipment and machinery
 52.x35 Not classified above (including centrifugal casting furnace)

Foundries, Products, and Equipment

- 52.x36 General
 52.x37 Iron casting
 52.x38 Steel casting
 52.x39 Not classified above (including non-ferrous metal casting)

Furnaces and Combustion Equipment

- 52.x40 General
 52.x41 Industrial furnaces, refractories, baffles, walls, and arches
 52.x42 Stokers, burners, pulverizers
 52.x43 Draft equipment, stacks, ducts, and chimneys
 52.x44 Ash and slag removal equipment
 52.x45 Dust collectors, precipitators, smoke abatement equipment
 52.x46 Reciprocating
 52.x47 Centrifugal and rotary
 52.x48 Vacuum
 52.x49 Not classified above

Compression Machinery

- 52.x50 General
 52.x51 Coolers and separators
 52.x52 Transmission equipment
 52.x53 Air machinery and tools (including compressors)
 52.x54 Not classified above

Boilers and Pressure Vessels

- 52.x55 General
 52.x56 Locomotives
 52.x57 Marine
 52.x58 Electric
 52.x59 Not classified above

Graphic Arts

- 52.x60 General
 52.x61 Photoengraving, lithography, electrotyping, printing, and composing machinery
 52.x62 Bindery machines
 52.x63 Not classified above

MECHANICAL ENGINEERING (52)—Continued

Wood Industries

- 52.x64 Lumbering and sawmill machinery
 52.x65 Woodworking and plywood machinery

Machinery

- 52.x66 General
 52.x67 Mining and extraction (including excavation and quarrying)
 52.x68 Petroleum production, refining, and machinery
 52.x69 Paper products and machinery
 52.x70 Not classified above (including agriculture machinery equipment, small tools, gages, jigs, and fixtures)

Machine Tools

- 52.x71 Machine and automatic tools
 52.x72 Special purpose production machinery

Forging and Presswork, Stamping and Extrusion

- 52.x73 General
 52.x74 Machinery and equipment
 52.x75 Dies
 52.x76 Not classified above (including rolled steel shapes)

Forged Steel Products

- 52.x77 General
 52.x78 Nonferrous rolled or extruded products
 52.x79 Wire products
 52.x80 Pipes and tubes
 52.x81 Not classified above (including sheet metal products, valves and fittings, and other products)

Railroad Mechanical Engineering Equipment

- 52.x82 General
 52.x83 Locomotives
 52.x84 Not classified above (including cars and appurtenances)

Material Handling Equipment

- 52.x85 Elevators, hoists, cranes, and derricks
 52.x86 Not classified above (conveying systems, trucks and material handling equipment)

Power Transmission

- 52.x87 Gears and gearing
 52.x88 Not classified above (including belts, chains, pulleys, sprockets)

Welding

- 52.x89 Machinery and equipment
 52.x90 Not classified above (including materials manufacture)

Machinery for Nonmetallic Industries

- 52.x91 Textiles
 52.x92 Not classified above (cement)

Industrial Specialties

- 52.x93 Business machine

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

MECHANICAL ENGINEERING (52)—Continued

Industrial Specialties—Continued

- 52.x94 Scientific instruments and controls
- 52.x95 Not classified above (including industrial machinery)

Mechanical Engineering (other)

- 52.x96 General
- 52.x97 Student (either a fourth year, or a graduate student who does not indicate a field of specialization)
- 52.x98 Personnel experienced in two or more of the above (italicized) fields
- 52.x99 Not classified above

MOTION PICTURES (53)

This designation embraces professional, semi-professional, and highly skilled functions in the production of motion pictures, including directing, photographing, developing and printing, and distributing. It does not include motion picture performers, entertainers, or writers.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following functions:

- 0 General (two or more functions including administration)
- 1 Directing (also see 99.x05-07)
- 2 Producing
- 4 Instructing
- 5 Distributing
- 6 All semi-professional functions (including technicians)
- 7 Research
- 9 Function not specified above

(For those with generalized experience see 53.x98.)

(For motion picture exhibiting see 37.x87.)

Motion Pictures (Types)

- 53.x00 General
- 53.x01 Story film
- 53.x02 Newsreel
- 53.x03 Factual subjects
- 53.x04 Animated films
- 53.x05 Shorts
- 53.x06 Educational and industrial
- 53.x09 Not classified above

Sound

- 53.x30 General
- 53.x31 Mixing
- 53.x32 Recording and re-recording
- 53.x39 Not classified above

MOTION PICTURES (53)—Continued

Laboratory

- 53.x40 General
- 53.x42 Control (engineer)
- 53.x43 Equipment (engineer)
- 53.x44 Photomicrographic apparatus
- 53.x49 Not classified above

Motion Picture (Other)

- 53.x90 General
- 53.x98 Personnel experienced in two or more of the above (italicized) fields
- 53.x99 Not classified above

AUTOMOTIVE ENGINEERING (54)

This field includes all aspects of automotive vehicle design and engineering of construction; classifications are generally made according to the parts of the vehicle with which the worker has had most experience, such as engines, power transmission systems, chassis, bodies, tires, fuels, lubricants (the technology of fuels and lubricants in use in automotive vehicles, as opposed to petroleum production and refining); a classification is also provided for fleet operation and maintenance.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Production and inspection
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 6 All semiprofessional functions (including technicians)
- 7 Design
- 8 Research and development
- 9 Function not specified above

(For students and for those with generalized experience, see 54.x97 and 54.x98.)

Power plants

- 54.x01 General
- 54.x02 Ignition
- 54.x03 Carburetion and manifolding
- 54.x04 Lubrication
- 54.x05 Electrical equipment
- 54.x06 Dynamic forces, vibration and balancing
- 54.x07 Diesel power plants, general
- 54.x08 Fuel injection
- 54.x09 Not classified above

AERONAUTICAL ENGINEERING (56)—Con.

Power Transmission Systems

- 54.x10 General
- 54.x11 Transmission, hydraulic
- 54.x12 Transmission, mechanical
- 54.x13 Transmission, electrical
- 54.x14 Clutches
- 54.x19 Not classified above

Chassis

- 54.x20 General
- 54.x21 Frames and stress analysis
- 54.x22 Suspension
- 54.x23 Steering
- 54.x24 Braking, mechanical
- 54.x25 Braking, hydraulic
- 54.x26 Braking, pneumatic
- 54.x27 Axles, wheels and rims
- 54.x28 Lubrication
- 54.x29 Not classified above

Bodies

- 54.x30 General
- 54.x31 Heating, ventilation
- 54.x32 Sound and heat insulation
- 54.x33 Stress analysis
- 54.x34 Refrigerating and air conditioning
- 54.x35 Accessories (including electrical equipment, wiring, hardware, fittings, instruments)
- 54.x39 Not classified above

Tires

- 54.x40 General
- 54.x42 Pneumatic and semipneumatic
- 54.x43 Solid
- 54.x44 Tubes and valves
- 54.x45 Antiskid devices, chains
- 54.x49 Not classified above

Tractors, Agricultural and Industrial

- 54.x80 General
- 54.x81 Steering
- 54.x82 Braking
- 54.x83 Lubrication
- 54.x84 Traction parts (including tracks, track frames, and wheels)
- 54.x89 Not classified above

Automotive Engineering (Other)

- 54.x90 General
- 54.x91 Fuels, n. e. c.
- 54.x92 Lubricants, n. e. c.
- 54.x93 Protective coating
- 54.x94 Special process (including painting)
- 54.x95 Batteries, n. e. c.

AERONAUTICAL ENGINEERING (56)—Con.

Automotive Engineering (Other)—Continued

- 54.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 54.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 54.x99 Not classified above.

AERONAUTICAL ENGINEERING (56)

This designation covers the several aspects of aeronautical engineering including aerodynamics, hydrodynamics, engine and propeller design and installation, and mechanical, electrical, airport and airway engineering as applied to aircraft manufacture.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Production
- 6 All semiprofessional functions (including technicians)
- 7 Inspection
- 8 Research and development
- 9 Function not specified above

(For students and for those with generalized experience, see 56.x97 and 56.x98.)

Aerodynamics

- 56.x00 General
- 56.x01 Experimental wind tunnel investigation
- 56.x02 Wind tunnel design
- 56.x03 Flight loads determination
- 56.x04 Theoretical aerodynamics
- 56.x09 Not classified above

Hydrodynamics and Performance Testing

- 56.x10 General
- 56.x11 Tow basin model testing
- 56.x15 Flight testing
- 56.x16 Flight analysis and performance prediction
- 56.x19 Not classified above

Design

- 56.x20 General

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

AERONAUTICAL ENGINEERING (56)—Con.

Design—Continued

- 56.x21 Fuselage and hull
- 56.x22 Equipment installation
- 56.x23 Control systems
- 56.x24 Detail design
- 56.x25 Wing design
- 56.x29 Not classified above

Power Plant Installation

- 56.x30 General
- 56.x31 Propeller
- 56.x32 Exhaust system
- 56.x33 Power plant accessories
- 56.x34 Engine
- 56.x39 Not classified above

Engine Design

- 56.x40 General
- 56.x41 Liquid-cooled
- 56.x42 Diesel
- 56.x43 Air-cooled
- 56.x44 Engine testing
- 56.x45 Production, routine
- 56.x46 Experimental and development
- 56.x49 Not classified above

Propeller Design and testing

- 56.x50 General
- 56.x51 Wood
- 56.x52 Metal blades
- 56.x53 Hubs, adjustable
- 56.x54 Hubs, controllable and feathering
- 56.x55 Propeller testing
- 56.x56 Aerodynamic and structural analysis
- 56.x59 Not classified above

Vibration and Flutter

- 56.x60 General
- 56.x61 Propeller
- 56.x62 Airplane flutter and vibration testing and analysis
- 56.x63 Engine
- 56.x69 Not classified above

Instruments

- 56.x70 General
- 56.x71 Navigation instruments
- 56.x72 Aeronautical research and test
- 56.x73 Flight instruments
- 56.x79 Not classified above

Equipment

- 56.x80 General
- 56.x81 Float gear
- 56.x82 Automatic control
- 56.x83 Lighting
- 56.x84 Parachutes

AERONAUTICAL ENGINEERING (56)—Con.

Equipment—Continued

- 56.x85 Landing gear
- 56.x89 Not classified above

Aeronautical Engineering (Other)

- 56.x90 General
- 56.x91 Autogyros and revolving wing plane
- 56.x92 Armament installations
- 56.x93 Specifications and weight control
- 56.x94 Lighter than aircraft
- 56.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 56.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 56.x99 Not classified above

MANAGEMENT AND ADMINISTRATIVE TECHNIQUES (57)

This designation covers special nonmanufacturing management and administrative techniques or specialties common to many industrial, commercial, and governmental organizations.

The third digit (indicated by "x" in the code numbers) provides for classification of jobs according to function, as follows:

- 0 General (two or more functions including administration)
- 1 Editing and writing
- 2 Consulting
- 4 Teaching (including business and commercial schools)
- 5 Development of systems and procedures
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience, see 57.x97 and 57.x98.)

Administrative Analysis Techniques (administrative management engineering)

- 57.x00 General
- 57.x01 Management, organization, and procedure analysis (including the elimination of duplication of effort and of over-complex work flow; the crystallization of functions; the preparation or analysis of procedures; the delineation of authority; and the preparation of functional or hierarchical organization charts)
- 57.x02 Procedure analysis and writing—files

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

MANAGEMENT AND ADMINISTRATIVE
TECHNIQUES (57)—Continued

- Administrative Analysis Techniques*—Continued
- 57.x03 Forms lay-out and design
 - 57.x04 Nonmanufacturing time and motion study (includes time and motion study of check writing, package wrapping, and similar clerical operations)
 - 57.x05 Special report writing. (for management)
 - 57.x09 Not classified above
- Office Management*
- 57.x10 General
 - 57.x11 Space control
 - 57.x12 Records administration
 - 57.x13 Auxiliary services (including stenographic, messenger, mail, facilities, and duplicating)
 - 57.x14 Correspondence
 - 57.x15 Credit and collection management
 - 57.x19 Not classified above
- Personnel and Training*
- 57.x20 General
 - 57.x21 Employee relations and welfare (including labor relations, group activities, and medical or first aid)
 - 57.x22 Recruitment
 - 57.x23 Placement, employment and separation
 - 57.x24 Occupational and job analysis
 - 57.x25 Position classification
 - 57.x26 Records
 - 57.x28 Investigation (character)
 - 57.x30 Training, general
 - 57.x31 Training of clerks
 - 57.x32 Training of salesmen, receptionists, and other commercial employees
 - 57.x33 Training of semiskilled and skilled artisans
 - 57.x34 Training of foremen and executives
 - 57.x35 Training of public utilities employees
 - 57.x39 Not classified above
- Business Machine Techniques* (this designation covers the development of business machine systems and procedures.)
- 57.x40 General
 - 57.x41 Bookkeeping (other than punched card)
 - 57.x42 Adding and calculating
 - 57.x43 Statistics and accounting by punched cards (including sorting, verifying, and collating)

MANAGEMENT AND ADMINISTRATIVE
TECHNIQUES (57)—Continued

- Business Machine Techniques*—Continued
- 57.x44 Classification by punched cards (including occupational, census, and inventory)
 - 57.x45 Conveying (including pneumatic)
 - 57.x46 Cash registers
 - 57.x47 Duplicating (including photo)
 - 57.x48 Mail preparing and handling
 - 57.x49 Not classified above
- Administrative and Management Techniques (Other)*
- 57.x90 General
 - 57.x91 Budget analysis and examining
 - 57.x92 Program and conference planning
 - 57.x93 Information service (including public relations, n. e. c.)
 - 57.x94 Purchasing and procurement (including only the administration, planning and procedures of supply procurement programs)
Individuals specializing in the purchase of certain commodities or procurement for specific types of organization should be classified in their proper industrial fields with the function of purchasing (see page 43) (For governmental procurement procedures see Governmental Organization and Services 11.x00, page 38)
 - 57.x95 Legislative analysis or writing
 - 57.x96 Administrative or executive assistant
 - 57.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
 - 57.x98 Individual experience in two or more of the above (italicized) fields
 - 57.x99 Not classified above

HEATING, VENTILATING, REFRIGERATING
AND AIR CONDITIONING ENGINEERING
(58)

These designations cover the design and development of systems, and mechanical machinery and equipment for heating, ventilating, refrigerating and air-conditioning, including domestic, industrial, stationary and mobile installations.

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

HEATING, VENTILATING, ETC.—Continued

The third digit (indicated by "x" in the code numbers) provides for further classification according to following functions:

- 0 General (two or more functions including administration)
- 1 Design
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Installation, erection, and operation
- 6 All semiprofessional functions (including technicians)
- 7 Specifications
- 8 Research and development
- 9 Other

(For students and for those with generalized experience see 58.x97 and 58.x98.)

Heating

- 58.x00 General
- 58.x01 Gas, domestic
- 58.x02 Oil, domestic
- 58.x03 Coal, domestic
- 58.x04 Industrial, general
- 58.x05 Gas, industrial
- 58.x06 Oil, industrial
- 58.x07 Coal, industrial
- 58.x08 Power Plants, industrial
- 58.x09 Not classified above

Ventilation

- 58.x10 General
- 58.x11 Fumes
- 58.x12 Bacteria
- 58.x13 Gases
- 58.x14 Dust
- 58.x15 Industrial exhaust
- 58.x19 Not classified above

Air Conditioning

- 58.x20 General
- 58.x21 Railroad
- 58.x22 Ship
- 58.x23 Airplane
- 58.x24 Bus
- 58.x25 Industrial, general
- 58.x26 Comfort, domestic
- 58.x27 Drying systems
- 58.x28 Vapor recovery
- 58.x29 Not classified above

Refrigerating Machinery

- 58.x30 General

HEATING, VENTILATING, ETC.—Continued

Refrigerating Machinery—Continued

- 58.x31 Condensing units
- 58.x32 Controls
- 58.x33 Evaporators
- 58.x34 Self-contained fixtures (including ice cream cabinets, water coolers, soda fountains, and freezing cabinets)
- 58.x35 Compressors
- 58.x36 Brine coolers
- 58.x37 Absorption systems
- 58.x38 Lubrication
- 58.x39 Not classified above

Refrigeration

- 58.x40 General
- 58.x41 Freight cars
- 58.x42 Refrigerated truck bodies
- 58.x43 Refrigerated ships
- 58.x44 Cold storage
- 58.x46 Dry ice manufacture and service
- 58.x47 Ice manufacture and service
- 58.x49 Not classified above

Plumbing

- 58.x50 General
- 58.x51 Water supply and drainage
- 58.x52 Vacuum cleaning
- 58.x53 Sprinkler systems
- 58.x54 Compressed air
- 58.x55 Cafeteria and restaurant lay-outs
- 58.x59 Not classified above

Heating, Ventilating, Refrigerating, and Air Conditioning Engineering, n. e. c.

- 58.x90 General
- 58.x91 Insulation
- 58.x92 Air purification
- 58.x93 Elevators, passenger and conveyor
- 58.x94 Flow of fluids
- 58.x95 Corrosion
- 58.x96 Instruments
- 58.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 58.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 58.x99 Not classified above

MINING ENGINEERING AND METALLURGY

(Including Petroleum and Natural gas) (59)

This designation covers professional and semi-professional occupations in Mining Engineering and

MINING ENGINEERING AND METALLURGY—Continued

(Including Petroleum and Natural gas)
(59)—Continued

Metallurgy, (See 26.x70–27.x29, and function “6” under Industries, page 59)

The third digit (indicated by “x” in the code numbers), provides for classification of jobs according to function, as follows:

- 0 General (two or more functions including administration)
- 1 Open-pit mining and quarrying
- 2 Shaft mining
- 3 Alluvial mining
- 4 Wells (including natural gas and petroleum)
- 6 Teaching (college level)
- 7 Research, testing, and development (including metallurgy)
- 9 Function not specified above

(For students, see 59.x97.)

Fields of Specialization

- 59.x00 General
- 59.x01 Bituminous coal
- 59.x02 Anthracite
- 59.x04 Iron ore
- 59.x06 Copper
- 59.x07 Lead and antimony
- 59.x08 Zinc and cadmium
- 59.x09 Aluminum
- 59.x10 Magnesium
- 59.x11 Tin
- 59.x12 Nickel and cobalt
- 59.x13 Gold, silver, and platinum
- 59.x14 Mercury
- 59.x15 Tungsten and tantalum
- 59.x16 Molybdenum, chromium, and vanadium
- 59.x17 Radium
- 59.x18 Manganese
- 59.x19 Not classified above

Mining and Metallurgy (Other) (Including petroleum and natural gas)

- 59.x90 General
- 59.x91 Mining, n. e. c.
- 59.x92 Metallurgy, n. e. c.
- 59.x93 Petroleum (See 27.x00–27.x09, page 60) and (17.x90–17.x99)
- 59.x94 Natural gas (see 27.x00–27.x90, page 61)

MINING ENGINEERING AND METALLURGY—Continued

(Including Petroleum and Natural gas)
(59)—Continued*Mining and Metallurgy*—Continued

- 59.x97 Student (either a fourth year or a graduate student who does not indicate a field of specialization)
- 59.x99 Not classified above

ECONOMICS (60)

The third digit (indicated by “x” in the code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Statistical analysis
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience, see 60.x98 and 60.x99)

Economic Theory, General

- 60.x00 General
- 60.x01 Economic theory and history of economic thought
- 60.x02 Institutional economics
- 60.x03 Business cycles and business fluctuations
- 60.x04 Monetary theory
- 60.x05 Money and banking
- 60.x06 Monopoly and competition studies (including cartels, combines and trusts)
- 60.x09 Not classified above

Comparative Economic Systems

- 60.x10 General
- 60.x11 Private capitalism
- 60.x12 Fascism and National Socialism
- 60.x13 Socialism
- 60.x14 Communism
- 60.x15 Barter (not international)
- 60.x19 Not classified above

International Economic Relations and World Area Studies

- 60.x20 General
- 60.x21 Foreign exchange (including balance of payments, capital movements, and money markets)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

ECONOMICS (60)—Continued

International Economic Relations and World Area Studies—Continued

- 60.x22 Commercial policies (including tariff, subsidies, exchange control, quotas, and reciprocity)
- 60.x23 International currency and banking plans
- 60.x24 Theory of international trade
- 60.x25 Foreign investments (private)
- 60.x27 Western Europe (including France and England)
- 60.x28 Central Europe (including Germany and Italy)
- 60.x31 Balkan countries
- 60.x32 Near East
- 60.x33 Far East (including India, Japan, and China)
- 60.x34 Africa
- 60.x35 South and Central America
- 60.x36 British Commonwealth of Nations (as an economic unit)
- 60.x37 Eastern Europe (including Russia and Baltic countries)
- 60.x38 North America (including Mexico)
- 60.x39 Not classified above

Public Finance

- 60.x40 General
- 60.x41 State and local taxation (excluding income tax)
- 60.x42 Federal taxation (excluding income tax)
- 60.x43 Income taxation (including inheritance and gift taxes)
- 60.x44 Governmental income (excluding taxation)
- 60.x45 Governmental expenditures
- 60.x46 Effects and incidence of taxes (including effect as regulatory measure)
- 60.x49 Not classified above

Governmental Regulation of Business

- 60.x50 General
- 60.x51 Regulation of communications
- 60.x52 Antitrust activities
- 60.x53 Prices
- 60.x54 Regulation of security distribution
- 60.x55 Priorities and other material control plans
- 60.x56 Regulation of transportation (including ICC and ODT)
- 60.x57 Regulation and public ownership of public utilities
- 60.x59 Not classified above

ECONOMICS (60)—Continued

Industrial and Financial Studies

- 60.x60 General
- 60.x61 Industrial location studies
- 60.x62 Regional specialization studies
- 60.x63 Industrial organization and scientific management
- 60.x64 Income and wealth analysis
- 60.x65 Corporation finance
- 60.x66 Investments (other than foreign)
- 60.x67 Agricultural finance
- 60.x69 Not classified above

Marketing and Consumer Problems

- 60.x70 General
- 60.x71 Marketing methods, media and standards
- 60.x72 Price policy and related price studies
- 60.x73 Installment selling
- 60.x74 Marketing of agricultural products
- 60.x75 Cost-of-living studies
- 60.x76 Consumer organization
- 60.x79 Not classified above

Labor Problems and Social Insurance

- 60.x80 General
- 60.x81 Labor supply (including employment and unemployment studies)
- 60.x82 Wages and hours
- 60.x83 Labor disputes and labor organization
- 60.x85 Unemployment compensation (including direct relief)
- 60.x86 Workmen's compensation
- 60.x87 Old age and related insurance
- 60.x88 Health insurance
- 60.x89 Not classified above

Economic Studies and Problems (Other)

- 60.x90 General
- 60.x91 Agricultural land economics
- 60.x92 Agricultural commodity studies
- 60.x93 Agricultural economic theory
- 60.x94 Foreign agriculture
- 60.x95 Natural resources economics (including minerals, wildlife, forests, and water power)
- 60.x97 Student (either a fourth year or a graduate student who does not indicate a field of specialization)
- 60.x98 Personnel experienced in two or more of the above (italicized) fields
- 60.x99 Not classified above

FOREIGN LANGUAGES (61)

This designation includes professional or semi-professional occupations which are concerned with

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

FOREIGN LANGUAGES (61)—Continued

reading, translating, and speaking foreign languages.

The third digit (indicated by "x" in the following code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Translation into English
- 2 Translation of English into foreign language
- 3 Editing and writing
- 4 Teaching (college level)
- 5 Interpreting
- 6 Decoding and deciphering
- 7 Research
- 9 Function not specified above

Romance Languages

- 61.x00 General
- 61.x01 Catalan
- 61.x02 French
- 61.x03 Italian
- 61.x04 Judeo-Spanish
- 61.x05 Portuguese
- 61.x06 Rumanian
- 61.x07 Sardinian
- 61.x08 Spanish
- 61.x09 Not classified above

Germanic Languages

- 61.x10 General
- 61.x11 Afrikaans
- 61.x12 Danish
- 61.x13 Dutch (Netherlandish)
- 61.x14 Flemish
- 61.x15 German
- 61.x16 Icelandic
- 61.x17 Norwegian
- 61.x18 Swedish
- 61.x19 Not classified above

Celtic Languages

- 61.x20 General
- 61.x21 Irish (Gaelic)
- 61.x22 Welsh
- 61.x29 Not classified above

Far Eastern and Oceanic Languages

- 61.x30 General
- 61.x31 Burmese
- 61.x32 Chinese
- 61.x33 Japanese
- 61.x34 Korean
- 61.x35 Malayan
- 61.x36 Polynesian

FOREIGN LANGUAGES (61)—Continued

Far Eastern and Oceanic Languages—Continued

- 61.x37 Siamese
- 61.x38 Philippine
- 61.x39 Not classified above

Languages of India and Persia

- 61.x40 General
- 61.x41 Bangali
- 61.x42 Hindustani
- 61.x43 Kanarese
- 61.x44 Panjabi
- 61.x45 Persian
- 61.x46 Sindhi
- 61.x47 Singhalese
- 61.x48 Telegu
- 61.x49 Not classified above

Slavic and Baltic Languages

- 61.x50 General
- 61.x51 Bulgarian
- 61.x52 Czech
- 61.x53 Esthonian
- 61.x54 Finnish
- 61.x55 Lithuanian
- 61.x56 Polish
- 61.x57 Russian
- 61.x58 Serbian
- 61.x59 Not classified above

Arabic-Syrian Languages

- 61.x60 General
- 61.x61 Amharic
- 61.x62 Arabic
- 61.x63 Aramaic
- 61.x64 Egyptian
- 61.x65 Maltese
- 61.x66 Moroccan Arabic
- 61.x67 Syrian Arabic
- 61.x68 Syro-Palestinian Arabic
- 61.x69 Not classified above

Turkic

- 61.x70 General
- 61.x71 Anatolian Turkish
- 61.x72 Istanbul Turkish
- 61.x73 Kurdish
- 61.x74 Turki
- 61.x79 Not classified above

Foreign Languages (Other)

- 61.x80 General
- 61.x81 Armenian
- 61.x82 American Indian
- 61.x83 Basque
- 61.x84 Georgian, and related languages
- 61.x85 Greek (Ancient)
- 61.x86 Greek (Modern)

FOREIGN LANGUAGES (61)—Continued

Foreign Languages (Other)—Continued

- 61.x87 Hebrew
- 61.x88 Hungarian (Magyar)
- 61.x91 Latin
- 61.x92 Non-Arabic African Languages
- 61.x93 Yiddish
- 61.x98 Experienced in two or more of the above (italicized) fields.
- 61.x99 Not classified above

PHILOSOPHY (62)

This designation includes the fields of metaphysics and epistemology, logic, ethics and value theory, aesthetics, social and political philosophy, philosophy of history, science and law.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following functions:

- 0 Editing and writing (technical only)
- 1 Writing for nonprofessional readers
- 4 Teaching (college level)
- 6 Administration
- 7 Conducting forums
- 8 Decoding and deciphering
- 9 Not classified above

The fourth digit (indicated by "y" in the code numbers) is used to designate familiarity with the people and contemporary philosophical, social, and other literature of the following regions:

- 0 France
- 1 Germany
- 2 Great Britain
- 3 Italy
- 4 Latin America
- 5 Orient
- 6 Russia
- 7 United States (only)
- 9 Not classified above

(For students and for those with generalized experience use code 62.999.)

Philosophy

- 62.xy0 Metaphysics and epistemology
- 62.xy1 Logic, scientific method
- 62.xy2 Ethics and value theory
- 62.xy3 Aesthetics
- 62.xy4 Social and political philosophy
- 62.xy5 Philosophy of history
- 62.xy6 Philosophy of religion
- 62.xy7 Philosophy of science

PHILOSOPHY (62)—Continued

Philosophy—Continued

- 62.xy8 Philosophy of law
- 62.xy9 Not classified above

(Code students either a fourth year or a graduate student who does not indicate a specialized field and those experienced in two or more of the above (italicized) fields.)

ACCOUNTING (63)

This designation covers professional, semi-professional, and highly technical functions in cost accounting, auditing, analysis and presentation, budgetary control, control accounting, installation of accounting and record systems, preparation of tax returns, and other specialized accounting fields.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Government service
- 2 Editors or writers
- 3 Public accountant
- 4 Teaching (college level)
- 5 Administration or management
- 7 Research
- 9 Not classified above

(For students and for those with generalized experience see 63.x97 and 63.x98.) (For cost accounting in a specific industry, see function "8"—Cost Accounting under Industries, page 44)

Analysis and Presentation

- 63.x00 General
- 63.x01 Classification of accounts
- 63.x02 Consolidated statements
- 63.x03 Preparation and analysis of financial statements
- 63.x04 Preparation and analysis of internal and cost reports
- 63.x05 Productive capacity studies
- 63.x06 Statement analysis, ration and variances
- 63.x07 Special investigations and others
- 63.x08 Over-all experience
- 63.x09 Not classified above

Budgetary Control

- 63.x10 General
- 63.x11 Cash budgets
- 63.x12 Expense budgets

ACCOUNTING (63)—Continued

Budgetary Control—Continued

- 63.x13 Flexible budgets
- 63.x14 Plant and equipment budgets
- 63.x15 Production budgets
- 63.x16 Sales forecasts and budgets
- 63.x19 Not classified above

Control Aspects

- 63.x20 General
- 63.x21 Control of investment in fixed assets
- 63.x22 Controllership
- 63.x23 Expense control
- 63.x24 Internal auditing
- 63.x25 Inventory and merchandise control
- 63.x29 Not classified above

Cost Accounting, other than Manufacturing

- 63.x40 General
- 63.x41 Bank cost accounting
- 63.x42 Cost accounting for construction projects
- 63.x43 Cost accounting for retailers and wholesalers
- 63.x44 Institutional cost accounting
- 63.x45 Manufacturer's distribution cost
- 63.x46 Manufacturer's distribution cost control
- 63.x47 Municipal and governmental cost accounting
- 63.x49 Not classified above

Records and Accounts

- 63.x50 General
- 63.x51 Accounts payable
- 63.x52 Accounts receivable
- 63.x53 Branch records
- 63.x54 Cash receipts and disbursements
- 63.x55 Expense records
- 63.x56 General ledger
- 63.x57 Property accounts
- 63.x58 Sales accounting
- 63.x59 Not classified above

System Installation (also see "57—Management and Administrative Techniques")

- 63.x60 General
- 63.x61 Application of mechanical methods bookkeeping machines
- 63.x62 Application of mechanical methods
- 63.x63 Cost accounting system
- 63.x64 Design of forms
- 63.x65 General accounting system
- 63.x66 Office methods study
- 63.x69 Not classified above

ACCOUNTING (63)—Continued

Taxes

- 63.x70 General
- 63.x71 Customs duties
- 63.x72 Excise and sales taxes
- 63.x73 Foreign taxes
- 63.x74 Franchise, capital, and privilege taxes
- 63.x75 Income taxes
- 63.x76 Inheritance taxes
- 63.x77 Pay roll taxes
- 63.x78 Property taxes
- 63.x79 Not classified above

Accounting (Other)

- 63.x90 General
- 63.x97 Student (either a final year or a graduate student who does not indicate a specialized field)
- 63.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 63.x99 Not classified above

TRANSPORTATION (65)

This designation covers professional, semiprofessional, and highly skilled occupations in all popular forms of transportation such as air, highway, railway, and water transportation; and all functions of each form including management, operation, equipment, maintenance, and maintenance of way.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following functions:

- 0 General (including overhaul and coordinating management)
- 1 Operating (including air pilot, shipmaster, shipmate and locomotive engineer)
- 2 Supervision of operations (including traffic)
- 3 Cost accounting
- 4 Supervision of maintenance and inspection
- 5 Teaching
- 6 Purchasing
- 7 Supervision of sales and promotional activities
- 8 Research, technology
- 9 Function not specified above

(For those with generalized experience see 65.x98) (Also see function "4—Warehousing Storage, or Transportation" under Industries, page 43)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

TRANSPORTATION (65)—Continued

Air Transportation

- 65.x00 General
- 65.x02 Equipment, aircraft and accessories
- 65.x03 Airways
- 65.x04 Airports
- 65.x05 Flight control
- 65.x06 Meteorology
- 65.x07 Passenger service (including travel agencies, rates and schedules, and reservations)
- 65.x08 Air mail and express
- 65.x10 Aerial photography, n. e. c.
- 65.x11 Aerial mapping
- 65.x12 Agricultural dusting and spraying
- 65.x13 Forest protection and fire-fighting
- 65.x14 Police work
- 65.x15 Ferry and taxi service
- 65.x16 Advertising (including sky-writing)
- 65.x19 Not classified above

Highway Transportation, Warehousing and Storage

- 65.x20 General
- 65.x21 Freight lines (except local)
- 65.x22 Passenger lines (except local)
- 65.x23 Warehousing and storage industries (including farm products and cold storage)
- 65.x24 Equipment (trucks, buses)
- 65.x25 Safety
- 65.x26 Taxicab lines
- 65.x28 Local trucking lines (including household trucking and storage)
- 65.x29 Not classified above

Miscellaneous Transportation, Industries and Services

- 65.x30 General
- 65.x31 Street car lines and city bus lines operated as a unit
- 65.x32 Street car lines
- 65.x33 Bus lines
- 65.x34 Freight forwarding
- 65.x35 Packing and crating
- 65.x36 Arrangement of transportation
- 65.x37 Rental of railroad cars
- 65.x38 Pipeline transportation (including petroleum and gasoline)
- 65.x39 Not classified above (including stockyards and services incidental to transportation)

Railroad Officials

- 65.x40 General
- 65.x41 Traffic
- 65.x42 Public relations

TRANSPORTATION (65)—Continued

Railroad Officials—Continued

- 65.x43 Valuation and real estate
- 65.x49 Not classified above

Railroad Operating Officials

- 65.x50 General
- 65.x51 Train dispatching
- 65.x52 Yard operations
- 65.x53 Passenger
- 65.x54 Freight (including railway express)
- 65.x55 Marine or floating equipment
- 65.x56 Auxiliary motor vehicle service
- 65.x57 Car service (including sleeping car)
- 65.x58 Stations and transfers (including station masters)
- 65.x59 Not classified above

Railroad Equipment and Way

- 65.x60 General
- 65.x61 Locomotives
- 65.x62 Cars, passenger
- 65.x63 Cars, freight
- 65.x64 Rolling stock, other
- 65.x65 Stationary power plants
- 65.x66 Shops and engine house
- 65.x71 Track and way
- 65.x72 Bridges
- 65.x73 Buildings
- 65.x74 Signals
- 65.x79 Not classified above

Waterborne Transportation

- 65.x80 General
- 65.x81 Canal operation
- 65.x82 Salvage
- 65.x83 Wharves and warehouses
- 65.x84 Rate making
- 65.x86 Equipment (ships, barges, and other vessels)
- 65.x87 Services incidental to water transportation (including piers, docks, and stevedoring)
- 65.x90 Coastwise and oceanborne transportation, general
- 65.x91 Coastwise and oceanborne transportation, passenger
- 65.x92 Coastwise and oceanborne transportation, cargo
- 65.x93 Coastwise and oceanborne transportation, tankers
- 65.x94 Rivers, sounds, and lakes transportation, passenger
- 65.x95 Rivers, sounds, and lakes transportation, cargo

TRANSPORTATION (65)—Continued

Waterborne Transportation—Continued

- 65.x96 Local water transportation (including ferries, barges, tow boats, and lighters)
- 65.x98 Personnel with generalized experience in two or more of the above (italicized) fields
- 65.x99 Not classified above

INDUSTRIAL DESIGN (66)

Included in this classification are persons engaged in the design, particularly with regard to the aesthetic features of external parts, of goods and equipment such as furniture and housewares, business and office equipment, packaging and closures, vending machines, locomotives, automobiles, and buses.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Designing
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 7 Research and development
- 9 Function not specified above

(For students and for those with generalized experience, see 66.x97 and 66.x98.)

Furniture and Office Equipment

- 66.x00 General
- 66.x01 Wood
- 66.x02 Metal
- 66.x03 Plastic
- 66.x06 Typewriters
- 66.x07 Calculating equipment, adding and accounting machines
- 66.x09 Not classified above

Interiors and Interior Decoration

- 66.x10 General
- 66.x11 Commercial and industrial displays and exhibits
- 66.x12 Interior decorating
- 66.x19 Not classified above

Housewares

- 66.x20 General
- 66.x21 Refrigerators and air conditioning
- 66.x22 Ranges
- 66.x23 Heating equipment

INDUSTRIAL DESIGN (66)—Continued

Housewares—Continued

- 66.x24 Cleaning equipment (laundry equipment)
- 66.x25 Clocks
- 66.x26 Kitchen equipment
- 66.x27 Plumbing
- 66.x29 Not classified above

Lighting

- 66.x30 General
- 66.x31 Display
- 66.x32 Lamps and fixtures
- 66.x33 Neon
- 66.x39 Not classified above

Radios and Communication

- 66.x40 General
- 66.x41 Interoffice equipment
- 66.x42 Radios and phonographs
- 66.x43 Telephone
- 66.x44 Teletype
- 66.x49 Not classified above

Vending Machines

- 66.x50 General
- 66.x59 Not classified above

Farm Equipment

- 66.x60 General
- 66.x61 Dairy equipment
- 66.x62 Tractors and plows
- 66.x69 Not classified above

Packaging and Closures

- 66.x70 General
- 66.x71 Cardboard and paper
- 66.x72 Glass
- 66.x73 Metal
- 66.x74 Plastics
- 66.x75 Caps and closures
- 66.x79 Not classified above

Miscellaneous Equipment

- 66.x80 Bottling
- 66.x81 Food processing
- 66.x82 Industrial equipment
- 66.x83 Industrial machinery
- 66.x84 Printing machinery
- 66.x85 Plastics processing equipment
- 66.x86 Scientific equipment
- 66.x89 Not classified above

Design (Other)

- 66.x90 General
- 66.x91 Auto, bus, and truck bodies and interiors
- 66.x92 Railroad equipment (including locomotives, railroad, passenger car bodies and interiors, and freight cars)

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

INDUSTRIAL DESIGN (66)—Continued

Design (Other)—Continued

- 66.x93 Passenger and pleasure boats
- 66.x94 Airplane interiors
- 66.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 66.x98 Personnel experienced in two or more of the above (italicized) fields
- 66.x99 Not classified above

LIBRARY SCIENCE (67)

This designation covers professional and other highly skilled functions in general libraries and these devoted to specialized fields such as medicine, law, and technology.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following:

- 0 General (two or more functions including administration)
- 1 Bibliography
- 2 Cataloging
- 4 Instruction
- 5 Research
- 7 Librarian
- 8 All semiprofessional functions (including technicians)
- 9 Function not specified above

(For students see 67.x97.)

Library Science

- 67.x00 General
- 67.x05 Law
- 67.x10 Technology (including sciences)
- 67.x15 Periodicals
- 67.x20 Secondary School
- 67.x25 University
- 67.x30 Medical
- 67.x35 Military
- 67.x40 Music
- 67.x45 Public
- 67.x50 Social science (including history)

Library Science (Other)

- 67.x90 General
- 67.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 67.x99 Not classified above

LAW (68)

This designation covers all positions in the field of law requiring a degree in law and admission to practice before a court of law.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following functions:

- 0 General
- 1 Attorney general
- 2 Law examiner
- 3 Judges and magistrates
- 4 Teaching (college level)
- 5 Lawyers and barristers
- 6 Prosecuting attorneys
- 7 Editing and writing
- 8 Consulting
- 9 Function not specified above

(For students see 68.x97.)

Civil Law

- 68.x00 General
- 68.x01 Corporation
- 68.x02 Torts
- 68.x03 Income tax
- 68.x04 Taxes, n. e. c.
- 68.x05 Real estate
- 68.x06 Small claims
- 68.x07 Marital
- 68.x08 Contracts
- 68.x09 Traffic
- 68.x10 Insurance
- 68.x11 Railroad
- 68.x12 Labor
- 68.x13 Utilities
- 68.x19 Not classified above

Law (Other)

- 68.x90 General
- 68.x91 Criminal law
- 68.x92 Admiralty law
- 68.x93 Patent law
- 68.x94 Immigration and customs law
- 68.x95 International law
- 68.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 68.x99 Not classified above

PSYCHOLOGY (70)

This designation covers all fields of theoretical and applied psychology, and includes the specialized fields of learning and motivation, individual

PSYCHOLOGY (70)—Continued

differences, psychometrics and psychophysics; vocational guidance, and clinical, industrial, social, abnormal, educational, and general psychology.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Test administering and clinicians
- 2 Edit and writing
- 3 Consulting
- 5 Teaching (college level)
- 7 Field study worker
- 8 Research and experimentation
- 9 Function not specified above

(For students and for those with generalized experience, see 70.x97 and 70.x98.)

Psychology

- 70.x00 General
- 70.x01 Aesthetics
- 70.x02 Apparatus design and construction
- 70.x03 Bibliography
- 70.x04 Feelings and emotions
- 70.x05 Attention, perception, sensation
- 70.x06 Religion and ethics
- 70.x07 Theoretical
- 70.x08 Thought processes
- 70.x09 Not classified above

Learning

- 70.x10 General
- 70.x11 Animal learning and motivation
- 70.x12 Animal senses and perception
- 70.x13 Conditioning
- 70.x14 Human learning and motivation
- 70.x15 Instincts, migration, and homing
- 70.x16 Learning experimentation
- 70.x17 Learning theory
- 70.x18 Memory and forgetting
- 70.x19 Not classified above

Physiological Psychology

- 70.x20 General
- 70.x21 Autonomic nervous system
- 70.x22 Brain localization and electroencephalography
- 70.x23 Endocrinology (physiology of emotions)
- 70.x24 Neuroanatomy and neuropathology
- 70.x25 Physiology of the nervous system
- 70.x26 Respiration and metabolism
- 70.x27 Sleep and drugs

PSYCHOLOGY (70)—Continued

Physiological Psychology—Continued

- 70.x28 Vision and hearing
- 70.x29 Not classified above

Social Psychology

- 70.x30 General
- 70.x31 Attitudes and their measurements
- 70.x32 Crowd behavior (social behavior of humans)
- 70.x33 Institutions
- 70.x34 Language and communication
- 70.x35 Leadership and politics
- 70.x36 Propaganda and suggestion (psychological warfare)
- 70.x37 Social behavior of animals
- 70.x39 Not classified above

Abnormal Psychology

- 70.x40 General
- 70.x41 Clinical psychology
- 70.x42 Criminology and delinquency
- 70.x43 Mental defects
- 70.x44 Mental hygiene
- 70.x45 Psychiatry (neuroses, psychoses)
- 70.x46 Psychoanalysis
- 70.x47 Sex and sex adjustment
- 70.x48 Speech defects and pathology (see 76.x00, Speech Pathology)
- 70.x49 Not classified above

Educational Psychology

- 70.x50 General
- 70.x51 Administration
- 70.x52 Adult education and psychology
- 70.x53 Child psychology and adolescent psychology
- 70.x54 Education, primary (including guidance)
- 70.x55 Education, secondary (including guidance)
- 70.x56 Education, higher (including guidance)
- 70.x57 Handicapped, mental
- 70.x58 Handicapped, physical
- 70.x59 Not classified above

Psychometrics and Psychophysics

- 70.x60 General
- 70.x61 Construction of questionnaires, rating scales and schedules
- 70.x62 Interviewing
- 70.x63 Psychometrics
- 70.x64 Psychophysics
- 70.x66 Statistics, elementary
- 70.x67 Statistics, advanced
- 70.x68 Test construction and standardization
- 70.x69 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

PSYCHOLOGY (70)—Continued

Applied Psychology

- 70.x70 General
- 70.x71 Advertising (including marketing)
- 70.x72 Auto personnel and selection
- 70.x73 Aviation personnel and selection
- 70.x74 Efficiency and fatigue
- 70.x75 Industrial (including occupational analysis)
- 70.x76 Trade testing and occupational selection
- 70.x77 Military personnel and selection
- 70.x78 Personnel work
- 70.x79 Not classified above

Individual Differences

- 70.x80 General
- 70.x81 Constitutional types (physical)
- 70.x82 Emotions
- 70.x83 Graphology, physiognomy
- 70.x84 Intelligence
- 70.x85 Motor skills
- 70.x86 Personality
- 70.x87 Race psychology (race differences)
- 70.x89 Not classified above

Psychology (Other)

- 70.x90 General
- 70.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 70.x98 Personnel experienced in two or more of the above (italicized) fields.
- 70.x99 Not classified above

ANTHROPOLOGY (71)

Included in this classification are the sciences of physical anthropology, archeology, European and American ethnography, ethnology, and linguistics, and applied anthropology.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Expedition leaders
- 2 Editing and writing
- 3 Consulting
- 5 Teaching (college level)
- 6 Research
- 7 Field work and exploration
- 8 Directing laboratory
- 9 Function not specified above

(For students and for those with generalized experience see 71.x97 and 71.x98.)

ANTHROPOLOGY (71)—Continued

Physical Anthropology

- 71.x00 General
- 71.x01 Primate anatomy
- 71.x02 Human evolution
- 71.x03 Anthropometry
- 71.x04 Human osteology and physiology
- 71.x05 Human genetics and eugenics
- 71.x06 Race differences (physical and psychological)
- 71.x07 Social and economic influences on physique
- 71.x08 Geographical influence (climate, topography, resources, fauna flora, geographic position, and regional geography)
- 71.x09 Not classified above

Archeology

- 71.x10 General
- 71.x11 Dating and chronology
- 71.x12 Classification and typology
- 71.x13 Analysis and reconstruction
- 71.x14 Archeological theory
- 71.x15 Old World prehistoric archeology
- 71.x16 Classical and oriental archeology
- 71.x17 North American archeology
- 71.x18 Central and South American archeology
- 71.x19 Not classified above

Ethnography, European

- 71.x30 General
- 71.x31 Field methods
- 71.x32 Culture areas and cultural diffusion and invention
- 71.x39 Not classified above

Ethnography, Africa

- 71.x40 General
- 71.x41 Field methods
- 71.x42 Culture areas and cultural diffusion and invention
- 71.x49 Not classified above

Ethnography, United States, Canada, and Alaska

- 71.x50 General
- 71.x51 North American culture history
- 71.x52 Ethnography of the Eskimo
- 71.x53 Ethnography of the Canadian interior
- 71.x54 Ethnography of the Northwest coast
- 71.x55 Ethnography of California, the Great Basin, and the Plateau
- 71.x56 Ethnography of the Plains
- 71.x57 Ethnography of the Eastern Woodlands
- 71.x58 Ethnography of the Southwest
- 71.x59 Not classified above

ANTHROPOLOGY (71)—Continued

Ethnography, Middle and South America

- 71.x60 General
- 71.x61 Mexico
- 71.x62 Caribbean Islands
- 71.x63 Guatemala and Honduras
- 71.x64 Nicaragua, Costa Rica, Panama
- 71.x65 Colombian Highlands
- 71.x66 Peru and Ecuador
- 71.x67 Brazil (Amazon, Orinoco Basins)
- 71.x68 Argentina and Chile
- 71.x69 Not classified above

Ethnography, Asia and Oceania

- 71.x70 General
- 71.x71 Siberia, Manchukuo
- 71.x72 Turkestan, Indonesia
- 71.x73 Philippine Islands
- 71.x74 Java, Sumatra, Borneo, Celebes
- 71.x75 New Guinea, Melanesia, Polynesia, Micronesia
- 71.x76 Australia, Tasmania, New Zealand
- 71.x79 Not classified above

Ethnology and Linguistics

- 71.x80 Cultural theory
- 71.x81 Historical reconstruction
- 71.x82 Processes of cultural change
- 71.x83 Comparative sociology
- 71.x84 Culture and personality studies
- 71.x85 Linguistic theory (phonetics and phonemics)
- 71.x86 History and distribution of language
- 71.x87 Semantics, grammar, and vocabulary
- 71.x88 Oriental languages, primitive linguistics, Indo-European linguistics
- 71.x89 Not classified above

Anthropology (Other)

- 71.x90 Culture contacts and acculturation
- 71.x91 Race mixture and amalgamation
- 71.x92 Racial discrimination and prejudice
- 71.x93 Primitive art, music, recreation, government, law, and intertribal relations
- 71.x94 Folklore and mythology
- 71.x95 Religion, magic, medicine
- 71.x96 Kinship, social organization, property (including Negro and Indian problems)
- 71.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 71.x98 Personnel (experience in two or more of the above (italicized) fields)
- 71.x99 Not classified above

HISTORY AND POLITICAL SCIENCE (72)

This designation covers ancient, medieval, and modern history and government, including political, economic, military, ecclesiastic, cultural and institutional history.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0. General (two or more functions including administration)
- 1 Archivist
- 2 Edit and writing
- 5 Teaching (college level)
- 7 Research
- 9 Function not specified above

(For students and for those with generalized experience, see 72.x97 and 72.x98.)

Ancient History

- 72.x00 General
- 72.x01 Prehistoric
- 72.x02 Egyptian
- 72.x03 Persian, Babylonian, Syrian
- 72.x04 Greek, intellectual and cultural
- 72.x05 Greek, political and military
- 72.x06 Roman, military
- 72.x07 Roman, legal
- 72.x08 Roman, political, cultural
- 72.x09 Function not specified above

Medieval, Renaissance and Reformation Periods

- 72.x10 General
- 72.x11 Byzantine Empire
- 72.x12 China
- 72.x13 European, ecclesiastic
- 72.x14 European, cultural
- 72.x15 European, political and military
- 72.x16 European, economic and social
- 72.x17 Holy Roman Empire
- 72.x18 Ethnographic
- 72.x19 Not classified above

Modern

- 72.x20 General
- 72.x21 Modern, Asiatic (Near East)
- 72.x22 Modern, Far Eastern
- 72.x29 Not classified above

Modern European, General

- 72.x30 General
- 72.x31 Economic and social history of Europe
- 72.x32 Ecclesiastic history of Europe
- 72.x33 Ethnographic history
- 72.x34 Political history
- 72.x35 Military history
- 72.x36 European governments

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

HISTORY AND POLITICAL SCIENCE

(72)—Continued

- Modern European, General—Continued*
 72.x37 Federalism, Regionalism, and League of Nations
 72.x39 Not classified above
- British Empire*
 72.x40 General
 72.x41 England, political, military, and institutional
 72.x42 England, economic and social
 72.x43 England, cultural and intellectual
 72.x44 England, constitutional and legal
 72.x45 Empire, foreign and imperial relations
 72.x46 Ireland and Scotland, history and relations to Great Britain
 72.x47 Dominions, Canada, Australia, New Zealand, Union of South Africa, India
 72.x48 Crown colonies, Western Hemisphere, Africa, Asia and Pacific
 72.x49 Not classified above
- United States*
 72.x50 United States as a whole
 72.x51 Colonial period
 72.x52 Revolutionary period
 72.x53 Pre-Civil War, political, economic, cultural, and intellectual
 72.x54 Civil War and Reconstruction
 72.x55 Modern, political, institutional, and military
 72.x56 Modern, economic and social
 72.x57 United States, cultural and intellectual
 72.x58 United States, legal and constitutional
 72.x59 Not classified above
- Latin America*
 72.x60 General
 72.x61 South America (except Brazil), colonial
 72.x62 South America (except Brazil), modern
 72.x63 South America (Brazil), colonial
 72.x64 South America (Brazil), modern
 72.x65 Central America, colonial
 72.x66 Central America, modern (including Caribbean)
 72.x67 Mexico, colonial
 72.x68 Mexico, modern
 72.x69 Not classified above
- Government*
 72.x70 General
 72.x71 United States, comparative government, national
 72.x72 United States, comparative government, local

HISTORY AND POLITICAL SCIENCE

(72)—Continued

- Government—Continued*
 72.x73 British Empire
 72.x74 French Empire
 72.x75 Mediterranean States
 72.x76 Central and Scandinavian
 72.x77 Eastern Europe and Near East
 72.x78 Latin America
 72.x79 Not classified above
- Legal*
 72.x80 Constitutional law
 72.x81 Labor and social legislation
 72.x82 Legislative procedure (including bill drafting and legislative counsel)
 72.x83 Administrative law
 72.x84 Law of local government, civil rights
 72.x85 International law, general (theory and history) (including international organization and government, congresses and conferences)
 72.x86 International law, principles, cases and rules (including arbitration and judicial settlement, conflicts of law)
 72.x87 Diplomatic, consular law, commercial law
 72.x88 Law of the air or sea
 72.x89 Not classified above
- Specialized Approaches*
 72.x90 General
 72.x91 Economic and social
 72.x92 Cultural and intellectual
 72.x93 Legal and constitutional
 72.x94 Diplomatic
 72.x95 Military
 72.x96 Ecclesiastic
 72.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
 72.x98 Personnel experienced in two or more of the above (italicized) fields
 72.x99 Not classified above

NURSING (74)

These designations cover only graduate registered nurses. (Practical nurses should be coded 02.38 as listed on page 17.) Orderlies, nurses aides, and attendants should be coded 02.421 as listed on page 17.

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

NURSING (74)—Continued

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

(For students see 74.x97.)

- 0 General (two or more functions including administration)
- 1 Institutions (other than hospitals)
- 2 Hospitals (both private and public)
- 3 Industrial and commercial establishments
- 4 Public health service
- 5 Visiting nurse societies
- 6 Teaching (including training schools)
- 7 Private homes
- 8 Professional offices
- 9 Function not specified above

Nursing

- 74.x00 General
- 74.x01 Operating room
- 74.x02 Anesthesia
- 74.x03 Obstetrics (also nursery service)
- 74.x04 Psychiatry, neurology or psychopathology
- 74.x05 Fever therapy
- 74.x06 Communicable diseases
- 74.x07 Pediatrics
- 74.x08 Dental hygiene
- 74.x11 Laboratory (including serology)
- 74.x19 Not classified above

Nursing (Other)

- 74.x97 Student

SPEECH PATHOLOGY (76)

Included in this classification are persons engaged in the study, diagnosis, and correction of speech disorders due to structural anomalies and neuro-pathic and psychogenic defects.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Conduction of tests and measurements
- 2 Diagnosticians
- 3 Consulting and practicing
- 4 Teaching (college level)
- 5 Directing (laboratory)
- 6 Research
- 7 Clinicians in hospital or college speech clinics

SPEECH PATHOLOGY (76)—Continued

The third digit, etc.—Continued

- 8 Directing
- 9 Function not specified above

(For students and for those with generalized experience, see 76.x97 and 76.x98.)

Speech Pathology

- 76.x00 General
- 76.x01 Speech surveys, academic (including elementary, secondary, colleges, and universities)
- 76.x02 Speech surveys, Army and Navy
- 76.x03 Diagnoses of speech and voice disorders
- 76.x04 Diagnoses of malingering speech defects
- 76.x05 Measurement of speech disorders (including mental, physical; structure, hearing; emotional)
- 76.x09 Not classified above

Neuropathic Speech Disorders

- 76.x10 General
- 76.x11 Examination of aphasics
- 76.x12 Re-education of aphasics
- 76.x13 Spastic speech
- 76.x14 Choreatic speech, scanning speech, bulbar speech
- 76.x15 Physiotherapy
- 76.x19 Not classified above

Psychogenic Speech Disorders

- 76.x20 General
- 76.x21 Stuttering and stammering
- 76.x22 Hysterical mutism, hysterical aphonia
- 76.x23 Neurotic lisping, cluttering
- 76.x24 Emotional retraining (correction of personality defects)
- 76.x25 Correction of functional defects of articulation (including letter substitution, lalling, elision, and foreign dialect)
- 76.x26 Correction of functional voice defects (including rhythm personality defects)
- 76.x29 Not classified above

Speech Disorders due to Structural Anomalies

- 76.x30 General
- 76.x31 Lisping due to missing teeth
- 76.x32 Letter substitution due to harelip, tongue-tie
- 76.x33 Clef-palate speech (rhinolalia)
- 76.x34 Construction of obturators and other appliances
- 76.x35 Correction of organic voice disorder
- 76.x36 Speech defects due to impaired hearing (including hearing tests)
- 76.x39 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

SPEECH PATHOLOGY (76)—Continued

Speech Pathology (Other)

- 76.x90 General
- 76.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 76.x98 Personnel experienced in two or more of the above (italicized) fields
- 76.x99 Not classified above

GEOGRAPHY (81)

This designation covers professional and semi-professional occupations, in regional geography, cartography, climatology, commercial geography, political geography, economic geography, and other geographical fields.

The third digit (indicated by "x" in the following code numbers) provides classification according to the following functions:

- 0 General (two or more functions including administration)
- 2 Editing and writing
- 3 Consulting
- 5 Teaching (college level)
- 6 Field work and exploring (including expedition leaders)
- 7 Research
- 9 Function not specified above

(See 81.x97 for students.)

Geography (Nonregional)

- 81.x00 General
- 81.x01 Mathematical geography and cartography
- 81.x02 Geomorphology
- 81.x03 Oceanography
- 81.x04 Climatology
- 81.x05 Biogeography
- 81.x06 Geography of population (including anthropogeography, social and cultural geography, settlement geography)
- 81.x07 Political, military, and naval geography
- 81.x08 Natural resources and exploitation
- 81.x11 Transportation and communication
- 81.x12 Commercial and economic geography
- 81.x19 Not classified above

Regional Geography

- 81.x20 General
- 81.x25 Alaska
- 81.x30 Latin America (including Caribbean Islands)

GEOGRAPHY (81)—Continued

Regional Geography—Continued

- 81.x35 Europe and British Isles
- 81.x40 Asia
- 81.x45 Japan, East Indies, Philippine Islands, and Africa
- 81.x50 Australia and New Zealand
- 81.x55 Polar
- 81.x60 Oceans and Oceanic Islands
- 81.x65 United States (continental)
- 81.x70 Canada and Newfoundland
- 81.x79 Not classified above

Geography (Other)

- 81.x90 General
- 81.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 81.x98 Personnel experienced in two or more of the above (italicized) fields
- 81.x99 Not classified above

SOCIOLOGY (82)

This grouping includes activities concerned with the sociological aspects of social problems, minority groups, child labor, social organizations, social insurance, criminology, penology, and psychiatry.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Editing and writing
- 2 Consulting
- 4 Teaching (college level)
- 5 Field work
- 6 Research
- 7 All semiprofessional functions (including technicians)
- 9 Function not specified above

(For students and for those with generalized experience, see 82.x97 and 82.x98.)

Occupations

- 82.x00 General
- 82.x01 Occupational training and rehabilitation
- 82.x02 Migratory labor
- 82.x03 Occupational status and mobility
- 82.x04 Occupational morale
- 82.x09 Not classified above

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

SOCIOLOGY (82)—Continued

Minority Groups in United States

- 82.x10 General
- 82.x11 Negroes
- 82.x12 American Indians
- 82.x13 Aliens and foreign minorities in general
- 82.x14 Orientals
- 82.x15 Mexicans
- 82.x16 Germans
- 82.x17 Italians
- 82.x18 Minority and religious sects, n. e. c.
- 82.x19 Not classified above

Family, Women, Youth

- 82.x30 General
- 82.x31 Family composition statistics
- 82.x32 Family disorganization and adjustment
- 82.x33 Women as wage earners
- 82.x34 Youth as wage earners
- 82.x35 Child labor
- 82.x36 Adolescence
- 82.x37 Orphans
- 82.x38 Illegitimacy
- 82.x39 Not classified above

Public Opinion, Education and Morale

- 82.x40 General
- 82.x41 Formation of public opinion and propaganda
- 82.x42 Measurements of public opinion
- 82.x43 Social science curriculum making
- 82.x44 Adult education
- 82.x45 Analysis of ideologies and social movements
- 82.x46 Analysis of rumors, panics, and public disturbances
- 82.x47 Censorship
- 82.x48 The press, radio, cinema
- 82.x49 Not classified above

Social Organizations

- 82.x50 General
- 82.x51 Urban community organization
- 82.x52 Rural community organization
- 82.x53 Community surveys and planning
- 82.x54 Church organizations
- 82.x55 Labor, class, or professional organization
- 82.x56 Pressure, protest and interest groups
- 82.x57 Women's organizations
- 82.x58 Youth's organizations
- 82.x59 Not classified above

Social Psychiatry, Criminology, and Penology

- 82.x60 General
- 82.x61 Social psychiatry and mental hygiene
- 82.x62 Adult crime

SOCIOLOGY (82)—Continued

Social Psychiatry, etc.—Continued

- 82.x63 Juvenile delinquency
- 82.x64 Prostitution
- 82.x65 Drug addiction
- 82.x66 Penology, administration and social welfare
- 82.x67 Penology classification and research
- 82.x68 Parole and probation
- 82.x69 Not classified above

Sociological Theory

- 82.x80 General
- 82.x81 History of sociology
- 82.x82 Logic of sociology
- 82.x83 Techniques of investigation analysis
- 82.x84 Theories of social structure
- 82.x85 Theories of social change
- 82.x86 Relation of sociology to other social sciences
- 82.x87 Relation of sociology to other professions
- 82.x88 Relation of sociology to other social policy
- 82.x89 Not classified above

Sociology (Other)

- 82.x90 General
- 82.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 82.x98 Personnel experienced in two or more of the above (italicized) fields
- 82.x99 Not classified above

SOCIAL WELFARE (83)

Included in this classification are persons engaged in such fields of endeavor as public assistance administration, case work with children or adults, psychiatric case work in mental clinics, services for mentally or physically handicapped persons not in institutions, health and welfare promotion, and social insurance administration.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Case work
- 2 Writing and editing
- 3 Consulting
- 4 Teaching (college level)
- 5 Group work

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

SOCIAL WELFARE (83)—Continued

The third digit, etc.—Continued

- 6 Directing
- 7 Research
- 8 Organizing
- 9 Function not specified above

Public Assistance Administration

- 83.x00 General
- 83.x01 Aid to the aged
- 83.x02 Aid to the blind
- 83.x03 Aid to dependent children
- 83.x04 WPA, NYA, and CCC (see Government, 11.x02)
- 83.x05 Farm relief or rural rehabilitation
- 83.x06 Medical care
- 83.x07 Shelter activity (including general emergency supply and shelter organization)
- 83.x08 Red Cross
- 83.x09 Not classified above

Case work with children or adults

- 83.x10 General
- 83.x11 Psychiatric case work (including institutions for mental patients, mental hygiene clinic, child guidance clinic, general hospital, and family or child case work agency)
- 83.x12 Medical social work (including hospital or clinic, Public Assistance Agency, and Public Health Agency)
- 83.x13 Protective work with children and child guidance (including foster home placement)
- 83.x14 Protective work with women
- 83.x15 Youth consultation service and juvenile probation
- 83.x16 Adult probation and parole
- 83.x17 Home economics and service
- 83.x18 Housekeeping service in private agencies
- 83.x19 Not classified above (including family case work)

Services for Physically or Mentally Handicapped Persons

- 83.x20 General
- 83.x21 Vocational rehabilitation and sheltered work program
- 83.x22 Service for blind, deaf, and crippled persons
- 83.x23 Service for tuberculous, cancerous and venereal diseased patients
- 83.x24 Service for mentally ill and feeble-minded

SOCIAL WELFARE (83)—Continued

Services for Physically or Mentally Handicapped Persons—Continued

- 83.x25 Medical social work, general
- 83.x26 Psychiatric case work, general
- 83.x27 Visiting teaching
- 83.x29 Not classified above

Social Service Programs for Special Groups

- 83.x30 General
- 83.x31 Work with American Indians
- 83.x32 Urban League and related programs
- 83.x33 Refugee and international
- 83.x34 Service for seamen
- 83.x35 Service for transient and homeless persons
- 83.x36 Service for released prisoners
- 83.x37 Settlement or neighborhood house (including YMCA, YWCA, YMHA, and Jewish Community Center)
- 83.x38 Catholic Youth Organization or Knights of Columbus (including institutional church or church settlement)
- 83.x39 Not classified above (including Boy Scouts, boys' clubs, summer camps, Girl Scouts, Campfire Girls, and woodcraft league)

Institutional and Related Care

- 83.x40 General
- 83.x41 Dependent children and day nursery care
- 83.x42 Unmarried mothers
- 83.x43 Homeless persons
- 83.x44 Seamen
- 83.x45 Mentally ill and feeble-minded
- 83.x46 Convalescents and physically handicapped
- 83.x47 Aged and infirm
- 83.x48 Prisoners and reformatory inmates
- 83.x49 Not classified above

Health Promotion

- 83.x50 General (including health council activity)
- 83.x51 Mental and social hygiene
- 83.x52 Tuberculosis and cancer
- 83.x53 Maternal and child health
- 83.x54 Crippled children
- 83.x55 Prevention of blindness
- 83.x59 Not classified above

Organization of Social Work

- 83.x70 General
- 83.x71 Federal, State, Municipal, or County public welfare administration
- 83.x72 National or State coordinating agency (private)

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

SOCIAL WELFARE (83)—Continued

Organization of Social Work—Continued

- 83.x73 National or State organization for promoting social action
- 83.x74 Financial federation or chest
- 83.x75 Council of social agencies, social service exchange
- 83.x76 Conference management
- 83.x77 Information service (including Federal, State, Municipal, and Private)
- 83.x78 Social Work Magazine
- 83.x79 Not classified above

Social Welfare (Other)

- 83.x90 General
- 83.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 83.x98 Personnel experienced in two or more of the above (italicized) fields
- 83.x99 Not classified above

PROFESSIONAL EDUCATION (86)

(See "89—Trade and Industrial Education")

This designation covers the professional aspects of pedagogy as applied to elementary, secondary, and higher education; and includes the development of curricula and educational programs, the supervision and administration of educational programs and school systems, the professional training of instructors and administrators, and elementary and secondary school teaching.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Organizing (plans and projects)
- 2 Research (including editing and writing)
- 3 Consulting
- 4 Teaching (college level)
- 5 Teaching (elementary and secondary schools)
- 6 Administration
- 7 Legislative and public relations
- 9 Function not specified above

(For students and for those with generalized experience see 80.x97 and 80.x98.)

Professional Education in General

- 86.x00 General
- 86.x01 History of education (including sociological, biological, and economic)

PROFESSIONAL EDUCATION (86)—Continued

(See "89—Trade and Industrial Education")—Continued

Professional Education in General—Continued

- 86.x02 Comparative education
- 86.x03 Philosophy of education
- 86.x04 Educational psychology (including introductory and advanced theory and practice)
- 86.x05 Professional education of teachers (including teacher-in-service conventions, visits, conferences, surveys, reports, and publications)
- 86.x06 Organization and administration, theory and practice (including selection and management of personnel, maintenance, finances, buildings, plants, books, transportation, public relationships, supplies, and equipment)
- 86.x07 Organization and administration, City and State (including small city, large city, County, State)
- 86.x08 Organization and administration, Federal (including policy and administration, territory and possessions, Indians and foreign plans)
- 86.x09 Not classified above

Elementary Education

- 86.x10 General
- 86.x11 Introductory theory and practice
- 86.x12 Nursery school
- 86.x13 Kindergarten
- 86.x14 First three grades
- 86.x15 Grades four through six
- 86.x16 Church, affiliated schools
- 86.x17 Rural elementary schools
- 86.x18 Curriculum construction
- 86.x19 Not classified above

Secondary Education

- 86.x20 General
- 86.x21 Introductory theory and practice
- 86.x22 Junior high school, small and large
- 86.x23 Senior high school, small and large
- 86.x24 Private school
- 86.x25 Extra-curricular activities
- 86.x26 Curriculum construction
- 86.x29 Not classified above

Higher Education

- 86.x30 General
- 86.x31 Introductory theory and practice
- 86.x32 Junior college (liberal arts, terminal, etc.)
- 86.x33 Liberal arts and professional colleges

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

PROFESSIONAL EDUCATION (86)—Continued

(See "89—Trade and Industrial Education")—Continued

Higher Education—Continued

- 86.x34 Independent and State University
- 86.x35 Curriculum (improvement of instructions)
- 86.x36 Teacher personnel
- 86.x37 School maintenance (including finances, plant and equipment, library, and public relations)
- 86.x38 Extra-curricular activities
- 86.x39 Not classified above

Curriculum and Instructions

- 86.x40 General
- 86.x41 Principles of teaching and practice teaching
- 86.x42 Supervision
- 86.x43 Use of audio-visual methods (including motion pictures and radio)
- 86.x44 Activity programs
- 86.x45 Curriculum research
- 86.x46 Handicapped
- 86.x47 Adult education
- 86.x48 Military education
- 86.x49 Religious education
- 86.x50 Social studies, general
- 86.x51 Government, civics and current events
- 86.x52 History
- 86.x53 Economics
- 86.x54 Geography, general
- 86.x55 Economics and Industrial geography
- 86.x56 Natural science
- 86.x57 Biological science
- 86.x58 Physical science (including chemistry, physics)
- 86.x59 Mathematics (except arithmetic)
- 86.x60 English, composition and literature
- 86.x61 Foreign languages
- 86.x62 Reading, special reading problems
- 86.x63 Writing
- 86.x64 Arithmetic
- 86.x65 Music
- 86.x66 Dramatics
- 86.x67 Drawing and painting (including mechanical drawing)
- 86.x68 Industrial arts and crafts
- 86.x69 Dancing
- 86.x70 Marriage, instruction and counseling (psychology of family relations)
- 86.x71 Consumer education
- 86.x72 Vocational education, theory and practice

PROFESSIONAL EDUCATION (86)—Continued

(See "89—Trade and Industrial Education")—Continued

Curriculum and Instructions—Continued

- 86.x73 Vocational education, agriculture
- 86.x74 Vocational education, homemaking
- 86.x75 Vocational rehabilitation
- 86.x76 Physical education
- 86.x77 Health and recreation
- 86.x78 Safety education
- 86.x79 Not classified above

Guidance and Personnel

- 86.x80 General
- 86.x81 Educational orientation
- 86.x82 Vocational guidance (including vocational testing, vocational counseling, and other counseling)
- 86.x83 Exploratory and try-out courses
- 86.x84 Youth studies (including records and study of the individual)
- 86.x85 Occupational information (including surveys, population analyses and trends)

Education (Other) (also see Educational Services (44.x20—44.x29) (page 75))

- 86.x90 General
- 86.x97 Student (either a fourth year or graduate student who does not indicate a field of specialization)
- 86.x98 Personnel experienced in two or more of the above (italicized) fields
- 86.x99 Not classified above

JOURNALISM, WRITING AND EDITING (87)

This designation includes literary writing, editing, and reviewing; play, script, and scenario writing; news reporting, corresponding, and editing.

The third digit (indicated by "x" in the code numbers) provides for further classification as follows:

- 0 General (two or more functions including administration)
- 1 Radio
- 2 Newspapers, n. e. c.
- 3 Magazines, n. e. c.
- 4 Teaching, n. e. c.
- 5 Books
- 6 Publications, n. e. c.
- 7 Motion pictures
- 9 Field not specified above

(For students and for those with generalized experience, see 87.x97 and 87.x98.)

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

JOURNALISM, WRITING AND EDITING
(87)—Continued*Writing*

- 87.x00 General
- 87.x01 Biography
- 87.x02 Script
- 87.x03 Essay
- 87.x04 Humor
- 87.x05 Short story
- 87.x06 Drama
- 87.x07 Adapting and collaborating
- 87.x08 Poetry
- 87.x09 History
- 87.x10 Scenario
- 87.x11 Novel
- 87.x12 Corresponding (domestic)
- 87.x13 Corresponding (foreign)
- 87.x21 Department
- 87.x22 Editorial
- 87.x23 News
- 87.x29 Not classified above

Reporting

- 87.x30 General
- 87.x31 City
- 87.x32 Society
- 87.x33 Sports
- 87.x34 Feature
- 87.x35 Household
- 87.x36 Stage and screen
- 87.x37 Fashion
- 87.x39 Not classified above

Miscellaneous Writing

- 87.x40 General
- 87.x41 Copy reading
- 87.x42 Libretto writing
- 87.x44 Reviewing (book reviewing, motion picture reviewing)
- 87.x49 Not classified above

Journalism, Writing and Editing (Other)

- 87.x90 General
- 87.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 87.x99 Not classified above

RECREATION (88)

This designation applies to all aspects of recreation and use of leisure time, including the organization and direction of recreational programs, covering such fields as music, drama, linguistics, arts, and crafts, nature crafts, games and sports, and other forms of amateur diversion.

RECREATION (88)—Continued

The third digit (indicated by "x" in the code numbers) provides for further classification to the following functions:

- 0 General (two or more functions including administration)
- 4 Instruction and leadership training
- 5 Coaching
- 6 Editing and writing
- 7 Directing and supervising
- 8 Organization
- 9 Function not specified above

(For students and for those with generalized experience, see 88.x97 and 88.x98.)

Music

- 88.x00 General
- 88.x01 Singing, glee club, and other choral work
- 88.x02 Staging musical shows
- 88.x03 Orchestra
- 88.x04 Band
- 88.x05 Bugle corps, and fife and drum corps
- 88.x06 Composing music
- 88.x09 Not classified above

Drama

- 88.x10 General
- 88.x11 Acting
- 88.x12 Play and script writing
- 88.x13 Play production and direction
- 88.x14 Scenery construction, stage and set lighting
- 88.x15 Costuming and make-up
- 88.x16 Puppetry
- 88.x17 Pageants
- 88.x18 Minstrelsy
- 88.x19 Not classified above

Linguistic Activities

- 88.x20 General
- 88.x21 Creative writing
- 88.x22 Debating
- 88.x23 Lectures, forums, and discussions
- 88.x24 Public speaking
- 88.x25 Study groups and reading
- 88.x29 Not classified above

Arts and Crafts

- 88.x30 General
- 88.x31 Woodworking and carving
- 88.x32 Weaving
- 88.x33 Ceramics and plastics
- 88.x34 Leather
- 88.x35 Sculpturing
- 88.x36 Printing and bookbinding

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

RECREATION (88)—Continued

Arts and Crafts—Continued

- 88.x37 Painting and sketching
- 88.x38 Metalcraft and jewelry
- 88.x39 Not classified above

Natural History Activities

- 88.x40 General
- 88.x41 Trees, shrubs, plants, and flowers
- 88.x42 Gardening
- 88.x43 Animals
- 88.x44 Birds
- 88.x45 Insects
- 88.x46 Taxidermy
- 88.x47 Marine life
- 88.x48 Rocks and minerals
- 88.x49 Not classified above (including astronomy)

Recreation (Social)

- 88.x50 General
- 88.x51 Social, tap, clog, folk, square dancing
- 88.x52 Games, stunts, and mixers
- 88.x54 Party planning
- 88.x55 Special entertainments
- 88.x59 Not classified above

Games and Sports (Active) (see 95.x40 for Professional Sports)

- 88.x56 General
- 88.x57 Archery
- 88.x58 Badminton and tennis
- 88.x59 Baseball and softball
- 88.x60 Basketball
- 88.x61 Billiards and bowling
- 88.x62 Boating and canoeing
- 88.x63 Boxing
- 88.x64 Camping and hiking
- 88.x65 Fencing
- 88.x66 Fishing
- 88.x67 Football and touch football
- 88.x68 Golf
- 88.x69 Handball
- 88.x70 Hockey and ice skating
- 88.x71 Marksmanship, gunnery
- 88.x72 Paddle tennis, table tennis
- 88.x73 Riding
- 88.x74 Skiing
- 88.x75 Soccer
- 88.x76 Swimming and diving
- 88.x77 Track and field
- 88.x78 Wrestling and jiu jitsu
- 88.x79 Not classified above

Recreation Area and Development (Planning)

- 88.x80 General
- 88.x81 Playgrounds and playfields

RECREATION (88)—Continued

Recreation Area and Development (Planning)—Continued

- 88.x82 Recreation buildings
- 88.x83 Swimming pools
- 88.x84 Outdoor theatres
- 88.x85 Tournaments
- 88.x86 Dances, parties, and mixers
- 88.x87 Recreation Center services
- 88.x89 Not classified above

Miscellaneous

- 88.x90 General
- 88.x91 Photography
- 88.x92 Radio (amateur)
- 88.x93 Travel tours
- 88.x94 Magic and sleight of hand
- 88.x95 Experimental science activities
- 88.x96 Collecting and other hobbies
- 88.x97 Student (either a fourth year, or a graduate student in any of above fields who does not indicate a field of specialization)
- 88.x98 Personnel experience in two or more of above (italicized) fields
- 88.x99 Not classified above

TRADE AND INDUSTRIAL EDUCATION (89)

This designation covers professional, semiprofessional, and highly skilled occupations which are concerned with the teaching and vocational training of persons in the commercial, hygiene, home economics, agricultural, drafting, automotive, aeronautical, construction, machine shop, textile trades and vocations, and other related fields.

The third digit provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1. Test administrating and clinical work
- 2 Editing and writing
- 3 Consulting
- 4. Teaching (junior and senior high schools) (including trade schools)
- 5 Teaching (college level)
- 6 Administration
- 7 Field study work
- 8 Research
- 9 Function not specified above

Academic and Commercial Subjects

- 89.x00 General
- 89.x01 Journalism
- 89.x02 Library training

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

TRADE AND INDUSTRIAL EDUCATION (89)—
Continued*Academic and Commercial Subjects—Continued*

- 89.x03 Mathematics, including arithmetic
- 89.x04 Business subjects (including typing, stenography, and bookkeeping)
- 89.x05 Not classified above

Home Economics

- 89.x06 General
- 89.x07 Home nursing
- 89.x08 Hygiene and sanitation
- 89.x09 Food preparation, nutrition, and dietetics
- 89.x11 Costume design and sewing
- 89.x12 Home management
- 89.x13 Institutional management
- 89.x14 Not classified above

Agriculture

- 89.x15 General
- 89.x16 Animal husbandry and poultry
- 89.x17 Agricultural marketing
- 89.x18 Horticulture, soils and crops
- 89.x19 Not classified above

Arts and drafting

- 89.x20 General
- 89.x21 Cartooning
- 89.x22 Commercial art and illustrating
- 89.x23 Drafting, architectural
- 89.x24 Drafting, mechanical
- 89.x25 Drafting, topographical
- 89.x26 Interior decorating
- 89.x27 Jewelry work, native arts and crafts
- 89.x28 Show card and sign writing
- 89.x29 Not classified above

Automotive and Aeronautical trades

- 89.x30 General
- 89.x31 Aircraft engines and airplane mechanics
- 89.x32 Airplane piloting
- 89.x33 Auto body and fender repair, auto finishing
- 89.x34 Automobile engines, auto mechanics
- 89.x35 Diesel engines
- 89.x36 Steam engines
- 89.x37 Ignition and electricity
- 89.x38 Aircraft design and construction
- 89.x39 Not classified above

Building Trades

- 89.x40 General
- 89.x41 Carpentry and cabinet making (including woodworking)
- 89.x42 Electricity
- 89.x43 Masonry, brick and stone

TRADE AND INDUSTRIAL EDUCATION (89)—
Continued*Building Trades—Continued*

- 89.x44 Sheet metal work
- 89.x45 Painting and decorating
- 89.x46 Plastering and tiling
- 89.x47 Plumbing
- 89.x48 Air conditioning
- 89.x49 Not classified above

Metal and Machine Work, n. e. c.

- 89.x50 General
- 89.x51 Forge work
- 89.x52 Foundry work
- 89.x53 Machine shop
- 89.x54 Tool and die making
- 89.x55 Pattern making
- 89.x56 Mechanical refrigerator repair
- 89.x57 Silver, gold, and platinum smithing
- 89.x58 Welding
- 89.x59 Not classified above

Printing and Related Trades

- 89.x60 General
- 89.x61 Bookbinding
- 89.x62 Composition and press work
- 89.x63 Linotype
- 89.x64 Multilithing (all offset processes)
- 89.x65 Not classified above

Service Trades

- 89.x66 General
- 89.x67 Barbering
- 89.x68 Cosmetology
- 89.x69 Not classified above

Textiles and Clothing

- 89.x70 General
- 89.x71 Dyeing, cleaning, and pressing
- 89.x72 Garment trades, men's
- 89.x73 Garment trades, women's
- 89.x74 Millinery
- 89.x75 Tailoring
- 89.x76 Upholstery
- 89.x77 Weaving
- 89.x79 Not classified above

Medical, Dental, and Optical

- 89.x80 Medical laboratory
- 89.x81 Dental mechanics
- 89.x82 Optical mechanics

Trades and Crafts, n. e. c.

- 89.x83 Armaments, assemble and repair
- 89.x84 Basketry
- 89.x85 Boatbuilding
- 89.x86 Ceramics
- 89.x87 Landscaping
- 89.x88 Leathercraft and saddlery

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

TRADE AND INDUSTRIAL EDUCATION (89)—
Continued

Trades and Crafts, n. e. c.—Continued

- 89.x89 Food trades
- 89.x90 Marine engineering
- 89.x91 Merchandising
- 89.x92 Photography
- 89.x93 Radio communication
- 89.x94 Radio installation and repair
- 89.x95 Seamanship
- 89.x96 Telephony and telegraphy (including sound equipment)
- 89.x97 Student (either a fourth year or graduate student who does not indicate a field of specialization)
- 89.x98 Personnel experienced in two or more of the above (italicized) fields
- 89.x99 Not classified above

PLANT PATHOLOGY, HORTICULTURE AND
AGRONOMY (90)

Included in these designations are the study of plant diseases, the growing and breeding of fruits, vegetables, and plants, the study and practice of field crop production, and soil management and environmental factors affecting growth.

The third digit (indicated by "x" in the code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Inspecting
- 2 Editing and writing
- 3 Extension work
- 4 Teaching (college level)
- 6 Consulting
- 7 Research
- 8 All semiprofessional functions (including technicians)
- 9 Function not specified above

(For students and for those with generalized experience see 90.x97.)

Plant Pathology

- 90.x00 General
- 90.x01 Diseases caused by cryptogamic pathogens and viruses
- 90.x02 Disease control measures, quarantine and inspection
- 90.x03 Plant nematology and insect gall diseases

PLANT PATHOLOGY, HORTICULTURE AND
AGRONOMY (90)—Continued

Plant Pathology—Continued

- 90.x04 Physiological diseases, abnormal physiology and morphology
- 90.x05 Injury from chemicals
- 90.x06 Not classified above (including genetics of sugarcane, rubber plants, hemp and flax, tobacco, maize, and other grain crops, and cotton)

Horticulture

Production, vegetables

- 90.x07 General
- 90.x08 Root crop vegetables
- 90.x09 Cucurbits
- 90.x10 Crucifers
- 90.x11 Legumes (beans, peas, and other legumes)
- 90.x12 Salad crops
- 90.x13 Not classified above

Production, fruits and nuts

- 90.x14 General
- 90.x15 Nuts
- 90.x16 Grapes
- 90.x17 Stone fruits
- 90.x18 Berries
- 90.x19 Pomaceous fruits
- 90.x20 Citrus fruits
- 90.x21 Not classified above

Production, flowers and ornamentals

- 90.x22 General
- 90.x23 Bulb crops
- 90.x24 Herbaceous plants and flowers
- 90.x25 Not classified above (including woody plants)

Production, nursery and greenhouse plants

- 90.x26 General
- 90.x27 Fruit plants
- 90.x28 Nut trees
- 90.x29 Ornamentals
- 90.x30 Greenhouse vegetables
- 90.x31 Not classified above (including hydroponics)

Physiology, fruits and nuts

- 90.x32 General
- 90.x33 Grapes and berries
- 90.x34 Crucifers and cucurbits
- 90.x35 Legumes
- 90.x36 Root crops
- 90.x37 Salad and solonaceous crops
- 90.x38 Not classified above

PLANT PATHOLOGY, HORTICULTURE AND AGRONOMY (90)—Continued

Physiology, ornamental and other

- 90.x39 General
- 90.x40 Bulbs
- 90.x41 Herbaceous species, n. e. c.
- 90.x42 Woody plants
- 90.x43 Not classified above (including greenhouse ornamentals)

Plant breeding, fruits and nuts

- 90.x44 General (including genetics)
- 90.x45 Grapes
- 90.x46 Stone fruits
- 90.x47 Berries
- 90.x48 Pomaceous fruits
- 90.x49 Citrus and tropical fruits
- 90.x50 Other fruits
- 90.x51 Not classified above (including nuts)

Plant breeding (vegetables)

- 90.x52 General (including genetics)
- 90.x53 Bulb crops
- 90.x54 Crucifers
- 90.x55 Cucurbits
- 90.x56 Legumes
- 90.x57 Root crops
- 90.x58 Salad
- 90.x59 Solonaceous crops
- 90.x60 Sweet corn
- 90.x61 Not classified above

Plant breeding (ornamentals)

- 90.x62 General
- 90.x63 Bulb crops
- 90.x64 Herbaceous plants
- 90.x65 Not classified above (including woody plants)

Ecology

- 90.x66 General
- 90.x67 Grapes and berries
- 90.x68 Fruits
- 90.x69 Nuts
- 90.x70 Vegetables
- 90.x71 Flowers and ornamentals
- 90.x72 Not classified above (including vegetation types and phytogeography)

Agronomy and soil science

- 90.x73 General
- 90.x74 Soil fertility
- 90.x75 Soil conservation
- 90.x76 Soil survey
- 90.x77 Soil cartography
- 90.x78 Soil microbiology
- 90.x79 Soil physics
- 90.x80 Tillage
- 90.x81 Erosion control

PLANT PATHOLOGY, HORTICULTURE AND AGRONOMY (90)—Continued

Agronomy and soil science—Continued

- 90.x82 Water conservation
- 90.x83 Cereal and grain crops
- 90.x84 Forage and pasture crops
- 90.x85 Fiber crops
- 90.x86 Beet and cane crops
- 90.x87 Seed production
- 90.x88 Not classified above

Plant pathology, horticulture and agronomy (other)

- 90.x90 General
- 90.x91 Plant pathology, n. e. c.
- 90.x92 Horticulture, n. e. c.
- 90.x93 Agronomy, n. e. c.
- 90.x97 Student (either a fourth year or a graduate student who does not indicate a specialized field)
- 90.x99 Not classified above

FORESTRY AND RANGE MANAGEMENT (91)

This designation covers occupations in Forestry and Range Management, including specialized fields such as forest administration, silviculture, fire and disease, protection, mensuration, forest finance, harvesting and conversion of wood products, marketing forest products, and wood technology.

The third digit (indicated by "x" in the code numbers) provides for classification according to the following functions:

- 0 General (two or more functions including administration)
- 2 Editing and writing
- 3 Consulting
- 4 Teaching (college level)
- 5 Extension specialists
- 7 All semiprofessional functions (including technicians)
- 8 Research
- 9 Not classified above

(For students and for those with generalized experience see 91.x98 and 91.x97.)

Silviculture

- 91.x10 General
- 91.x11 Seed collection
- 91.x12 Dendrology, silvics, tree genetics, forest classification
- 91.x13 Nursery operation and forest planting
- 91.x14 Timber marking and cutting
- 91.x15 Planting methods
- 91.x16 Timber stand improvement and cultural operating

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

FORESTRY AND RANGE MANAGEMENT

(91)—Continued

Silviculture—Continued

- 91.x17 Forest soils
- 91.x19 Not classified above

Protection (fire)

- 91.x20 General
- 91.x21 Tools, apparatus and equipment, and construction of improvements
- 91.x22 Suppression
- 91.x23 Disease control and eradication
- 91.x25 Tree diseases
- 91.x26 Fungi of wood products
- 91.x27 Insect control and eradication, trees
- 91.x28 Insect control and eradication, wood products
- 91.x29 Not classified above

Mensuration

- 91.x30 General
- 91.x31 Estimating timber and compiling inventories
- 91.x32 Surveying and mapping forest types and stands
- 91.x36 Stumpage appraisal
- 91.x38 Valuation
- 91.x39 Not classified above

Harvesting Wood Products

- 91.x40 General
- 91.x41 Logging, skidding, and hauling equipment
- 91.x42 Lumber
- 91.x43 Pulpwood
- 91.x49 Not classified above

Manufacture and Conversion of Wood Products (including Marketing)

- 91.x50 General
- 91.x51 Milling equipment
- 91.x52 Destructive distillation
- 91.x53 Sawmilling
- 91.x54 Grading
- 91.x55 Marketing
- 91.x59 Not classified above

Range Ecology

- 91.x60 General
- 91.x64 Climatic relationships
- 91.x65 Ecological classifications
- 91.x66 Soil relationships
- 91.x67 Plant-animal relationships
- 91.x68 Responses of plants, including succession
- 91.x69 Not classified above

Wood Technology

- 91.x70 General

FORESTRY AND RANGE MANAGEMENT

(91)—Continued

Wood Technology—Continued

- 91.x71 Wood anatomy
- 91.x72 Identification
- 91.x73 Physical and mechanical properties
- 91.x74 Chemical properties
- 91.x79 Not classified above

Seasoning and Preserving

- 91.x80 General
- 91.x81 Air seasoning
- 91.x82 Preservatives and preservative treatment
- 91.x83 Glues
- 91.x84 Fireproofing
- 91.x85 Piling and storage
- 91.x86 Kiln drying
- 91.x89 Not classified above

Forest and Range Problems (other)

- 91.x90 General
- 91.x91 Flood control surveys, n. e. c.
- 91.x92 Watershed studies, surveys, and improvements, n. e. c.
- 91.x93 Climatic and physiographic studies, n. e. c.
- 91.x94 Hydrologic studies, n. e. c.
- 91.x95 Erosion control, soil stabilization, and sedimentation, n. e. c.
- 91.x97 Students (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 91.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 91.x99 Not classified above

ANIMAL SCIENCES (92)

This designation includes the care and management of livestock, dairy animals, fish resources, and wildlife resources.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Practice
- 2 Editing and writing
- 3 Extension work
- 4 Teaching (college level)
- 5 Inspecting (laboratory)
- 6 All semiprofessional functions (including technicians)

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

ANIMAL SCIENCES (92)—Continued

The third digit, etc.—Continued

- 7 Consulting
- 8 Research
- 9 Function not specified above

(For students and for those with generalized experience, see 92.x97 and 92.x98.)

Animal Husbandry

- 92.x00 General
- 92.x01 Livestock farm management
- 92.x02 Nutrition (including swine, sheep and goats, horses and mules, beef and cattle, poultry, pet animals)
- 93.x03 Physiology and reproduction (including reproduction, metabolism, hormones, incubation)
- 92.x05 Animal breeding (Genetics) (including breeding of dairy and draft animals, swine, sheep and goats, and poultry)
- 92.x09 Not classified above

Dairy Science

- 92.x10 General
- 92.x11 Food and nutrition requirements (all aspects)
- 92.x12 Physiology and reproduction (including lactation, breeding, and artificial insemination)
- 92.x13 Herd management
- 92.x19 Not classified above

Fish Resources

- 92.x20 General (including surveys, limnology)
- 92.x21 Genetics, heredity
- 92.x22 Breeding, selection
- 92.x23 Food habits and economic relations
- 92.x24 Parasitology
- 92.x26 Fisheries technology and economics
- 92.x27 Fish hatchery operation and marine fishery management
- 92.x29 Not classified above

Wildlife Resources

- 92.x30 Wildlife resources surveys (including economic food values)
- 92.x31 Genetics, heredity
- 92.x32 Food habits and economic relations
- 92.x33 Physiology (including nutrition, digestion, and metabolism)
- 92.x34 Parasitology (including diseases)
- 92.x35 Animal bacteriology and immunology
- 92.x36 Entomology (wildlife)
- 92.x37 Ecology (including predator and prey relations, and control of injurious species)

ANIMAL SCIENCES (92)—Continued

Wildlife Resources—Continued

- 92.x38 Game and fur animal management and production (including breeding and selection)
- 92.x39 Not classified above

Animal Sciences (Other)

- 92.x90 General
- 92.x91 Home demonstration
- 92.x92 Care and training, horses
- 92.x93 Care and training, dogs
- 92.x97 Student (either a fourth year, or a graduate student in any of the above fields who does not indicate a field of specialization)
- 92.x98 Personnel experienced in two or more of the above (italicized) fields
- 92.x99 Not classified above

AMUSEMENT (95)

This designation covers professional, semiprofessional, and highly specialized functions in acting, dramatics, direction, and casting, circus and vaudeville, music, radio, and professional athletics.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Managing
- 2 Coaching
- 3 Training
- 4 Teaching
- 6 Officiating
- 7 Acting, playing or performing
- 8 Directing
- 9 Function not specified above

(For students see 95.x97.)

Productions (including Radio)

- 95.x00 General
- 95.x01 Stage
- 95.x02 Motion picture
- 95.x03 Comedy
- 95.x04 Minstrelsy
- 95.x05 Impersonation, general
- 95.x06 Impersonation, animal
- 95.x07 Mimicry
- 95.x08 Dramatic reading
- 95.x09 Drama
- 95.x16 Dancing
- 95.x19 Not classified above

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

AMUSEMENT (95)—Continued

Circus, Vaudeville, Radio

- 95.x20 Clowns
- 95.x21 Acrobatic
- 95.x22 Animal training
- 95.x23 Trick riding
- 95.x24 Magicians
- 95.x25 Ventriloquism
- 95.x26 Hypnotists
- 95.x27 Juggling
- 95.x28 Ringmasters
- 95.x31 Masters of ceremony
- 95.x39 Not classified above

Professional Athletics

- 95.x40 General
- 95.x41 Football
- 95.x42 Basketball
- 95.x43 Boxing
- 95.x44 Wrestling
- 95.x45 Tennis
- 95.x46 Badminton
- 95.x47 Gymnastics
- 95.x48 Swimming and diving
- 95.x49 Boxing
- 90.x50 Billiards
- 95.x51 Bowling
- 95.x52 Golf
- 95.x53 Archery
- 95.x54 Horse racing
- 95.x55 Automobile, motorcycle, and bicycle racing
- 95.x56 Roller skating
- 95.x57 Ice skating
- 95.x58 Hockey
- 95.x59 Skiing
- 95.x60 Baseball
- 95.x69 Not classified above

Music (including radio)

- 95.x70 Band conducting
- 95.x71 Orchestra conducting
- 95.x72 Singing
- 95.x73 Organ
- 95.x74 Piano
- 95.x75 Percussion instruments
- 95.x76 Stringed instruments
- 95.x77 Wood wind instruments
- 95.x78 Brass instruments
- 95.x81 Reed instruments
- 95.x82 Xylophone
- 95.x89 Not classified above

Amusement (other)

- 95.x90 General
- 95.x91 Radio entertainers, n. e. c.

AMUSEMENT (95)—Continued

Amusement (other)—Continued

- 95.x97 Student who has had at least 3 years professional training in any of the above fields
- 95.x99 Not classified above

ART AND SCULPTURING (96)

This designation covers painting, etching, drawing and lettering in all media and for all purposes; and includes sculpturing as a field of art. (Sign painting is not included in this designation and is classified in the skilled occupation groups.)

The third digit (indicated by "x" in the code numbers) is to be supplied as follows:

- 0 General (two or more functions including administration)
- 1 Art or sculpturing (including painting, etching, drawing, and sculpturing)
- 2 Appraisal
- 3 Collecting
- 4 Teaching
- 5 Critics
- 6 Research
- 9 Function not specified above

(For student, see 96.x97.)

Painting

- 96.x00 General
- 96.x01 Fresco
- 96.x02 Genre
- 96.x03 Landscape
- 96.x04 Miniature
- 96.x05 Mural
- 96.x06 Portrait
- 96.x07 Statuary
- 96.x08 Life
- 96.x09 Still life
- 96.x10 Scenic
- 96.x11 Glass
- 96.x12 Cover design
- 96.x19 Not classified above

Drawing and Sketching

- 96.x20 General
- 96.x21 Antique
- 96.x22 Cartooning
- 96.x23 Life
- 96.x24 Still life
- 96.x25 Architectural
- 96.x29 Not classified above

Sculpturing

- 96.x30 General
- 96.x31 Wood

ART AND SCULPTURING (96)—Continued

Sculpturing—Continued

- 96.x32 Stone
- 96.x33 Metal
- 96.x39 Not classified above

Commercial Arts

- 96.x40 General
- 96.x41 Lettering
- 96.x42 Advertising
- 96.x43 Display
- 96.x49 Not classified above

Art Specialties

- 96.x50 General
- 96.x51 Light values
- 96.x52 Airbrush
- 96.x53 Dry-point
- 96.x54 Water-tint
- 96.x56 Perspective
- 96.x59 Not classified above

Art and Sculpturing (Other)

- 96.x90 General
- 96.x97 A student who has had 3 or more years of major training in art or sculpturing
- 96.x99 Not classified above

PHOTOGRAPHY (97)

This designation covers skilled and technical occupations in still and motion photography in various fields of endeavor such as newspaper publishing, motion pictures, and commercial photography.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Production
- 3 Editing
- 4 Teaching
- 5 Printing and enlarging
- 6 Picture taking
- 7 All semiprofessional functions (including technicians)
- 8 Research
- 9 Function not specified above

(For those with generalized experience, see 97.x98.)

Photography, Motion

- 97.x00 General
- 97.x01 News
- 97.x02 Aerial
- 97.x03 Illustrating
- 97.x04 Advertising

PHOTOGRAPHY (97)—Continued

Photography, Motion—Continued

- 97.x05 Educational and travel
- 97.x06 Microphotography
- 97.x08 Commercial, n. e. c.
- 97.x09 Not classified above

Photography, Still

- 97.x10 General
- 97.x11 News
- 97.x12 Aerial
- 97.x13 Portrait
- 97.x14 Reproduction
- 97.x15 Fine arts
- 97.x16 Lighting effects
- 97.x17 Microphotography
- 97.x18 Advertising
- 97.x19 Animation
- 97.x20 Illustrating
- 97.x21 Street
- 97.x22 Commercial, n. e. c.
- 97.x29 Not classified above

Photography (Other)

- 97.x90 General
- 97.x98 Personnel (experienced in two or more of the above (italicized) fields)
- 97.x99 Not classified above

RELIGION (98)

This designation covers religious and theological leaders and workers in all creeds and sects.

The third digit (indicated by "x" in the code numbers) provides for further classification in accordance with the following functions:

- 0 General (two or more functions including administration)
- 1 Administration
- 2 Historians
- 3 Ministers, priests, rabbis
- 4 Teachers
- 5 Missionaries
- 6 Student
- 9 Function not specified above

Protestantism

- 98.x01 Adventist, Seventh Day
- 98.x02 Assemblies of God
- 98.x03 Baptists
- 98.x04 Brethren, Church of (Dunkers)
- 98.x05 Church of Christ, Scientist
- 98.x06 Church of God
- 98.x07 Church of the Nazarene
- 98.x08 Churches of Christ
- 98.x09 Congregational—Christian

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

RELIGION (98)—Continued

Protestantism—Continued

- 98.x10 Disciples of Christ
- 98.x11 Evangelical and Reformed
- 98.x12 Evangelical
- 98.x13 Friends, Religious Society of (Quaker)
- 98.x14 Latter Day Saints (Mormon)
- 98.x15 Lutheran
- 98.x16 Mennonite
- 98.x17 Methodist
- 98.x18 Presbyterian
- 98.x19 Protestant Episcopal
- 98.x20 Reformed Bodies
- 98.x21 Salvation Army
- 98.x22 Unitarian
- 98.x23 United Brethren
- 98.x24 Universalist
- 98.x25 Smaller Protestant Groups

Catholicism

- 98.x30 Eastern Orthodox
- 98.x35 Roman

Other Major Religions

- 98.x40 Buddhism
- 98.x50 Confucianism
- 98.x60 Hinduism
- 98.x70 Judaism
- 98.x80 Mohammedanism

Religion (Other)

- 98.x90 Smaller religious groups
- 98.x99 Not classified above

GROUP "B" (OTHER) (professional, managerial, and administrative) (99)

This designation is intended to cover those professional and semiprofessional occupations which are not classifiable in other categories and includes such groups as designing and inspecting not elsewhere classified.

The third digit (indicated by "x" in the code numbers) provides for further classification according to the following functions:

- 0 General (two or more functions including administration)
- 1 Design, n. e. c. (see Industrial Design—66)
- 2 Research and development
- 3 Consulting
- 4 Instructing
- 5 Administration or management (see Industrial functions "1" and "2", also see 57—Management and Personnel)
- 6 Editing and Writing (see 87—Journalism, Writing, and Editing)

GROUPS "B" (OTHER) (professional, managerial, and administrative) (99)—Continued

The third digit, etc.—Continued

- 7 Production (see function "1—Sales", Industries)
- 8 Sales and Service (see function "3—Sales", Industries; also see Service Industries)
- 9 Function not specified above

Designing, n. e. c.

- 99.x00 Clothes and related
- 99.x05 Stage, scenery
- 99.x06 Stage, set
- 99.x07 Art directing, motion picture
- 99.x08 Bank notes
- 99.x11 Jewelry and flatware
- 99.x12 Memorial
- 99.x13 Sign
- 99.x14 Stained glass
- 99.x15 Toy
- 99.x16 Not classified above

Inspecting, Public Service, n. e. c. (see 11.—Government)

- 99.x20 Customs
- 99.x21 Baggage
- 99.x22 Boarding
- 99.x23 Customs patrol and guarding
- 99.x24 Discharging
- 99.x25 Gaging
- 99.x26 Sampling
- 99.x27 Weighing
- 99.x28 Appraising
- 99.x29 Merchandise examining
- 99.x30 Verifying
- 99.x31 Not classified above

Military Occupations, n. e. c.

- 99.x41 Enlisted man
- 99.x42 Noncommissioned Officer
- 99.x43 Commissioned Officer
- 99.x44 Warrant Officer
- 99.x46 C. C. C. Administration
- 99.x47 National Guard
- 99.x48 R. O. T. C.
- 99.x49 Not classified above

Drafting

- 99.x50 General
- 99.x51 Drafting, architectural
- 99.x52 Drafting, commercial
- 99.x53 Drafting, construction
- 99.x54 Drafting, electrical
- 99.x55 Drafting, heating, and ventilating
- 99.x56 Drafting, landscape
- 99.x57 Draftsman, marine
- 99.x58 Drafting, mechanical

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

GROUPS "B" (OTHER) (professional, managerial, and administrative) (99)—Continued

Drafting—Continued

- 99.x59 Drafting, mine
- 99.x60 Drafting, plumbing
- 99.x61 Drafting, refrigeration
- 99.x62 Drafting, structural
- 99.x63 Drafting, topographic
- 99.x64 Tracing
- 99.x65 Detailing
- 99.x66 Drafting, aeronautical
- 99.x69 Not classified above

Healing Fields, n. e. c.

- 99.x80 Chiropractic
- 99.x81 Chiropody
- 99.x82 Electrotherapy

GROUPS "B" (OTHER) (professional, managerial, and administrative) (99)—Continued

Healing Fields, n. e. c.—Continued

- 99.x83 Herb Therapy
- 99.x84 Hydrotherapy
- 99.x85 Mechanotherapy
- 99.x86 Naprapathy
- 99.x87 Osteopathy
- 99.x88 Physiotherapy
- 99.x89 Not classified above

Other Professions

- 99.x90 Funeral Director
- 99.x91 Embalmer
- 99.x97 professions, n. e. c.
- 99.x99 This code is not to be used. Reserved for M. R. U.

Section IV

Conversion Tables

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I. CONVERSION CODES FOR ALL CHANGES TO CIVILIAN CODES, AR 605-95 (TENTATIVE), 19 JANUARY 1943.

The following conversion table has been prepared to cover all necessary changes for civilian classification within AR 605-95 (tentative). In most cases a direct conversion may be made without reviewing the civilian duties in items 26 and 27, W. D., A. G. O. Form No. 66-1. In a few cases, however, it will be necessary to review the officer's civilian duties in order to code them adequately. A capital "R" follows such codes where a review of the officer's civilian duties is necessary. In some instances it would be desirable, though not essential, to review the officer's civilian experience. In such cases, the code is followed by a small "r." Following are examples for code conversions:

a. 12.0— to 12.8—: All cards with the first two digits "12" will have the third digit "0" changed to "8."

b. 12.-19 to 12.-18: All cards with the first two digits "12" will have the last two digits "19" changed to "18."

c. 14.6xx to 11.111: All cards beginning with the first two digits "14" and third digit "6," regardless of the last digits, will be converted to 11.111.

d. 24.x30R to 24.xxx: All cards with the first two digits "24" and last two digits "30" should be reviewed and given the proper code with "24" for the first two digits. The third digit should, in each case, represent the function as determined from the new function listing.

e. 38.xxx to 18.x40r: All cards with the first two digits "38" will be changed to "18" for the first two digits and "40" for the last two digits, regardless of what number followed "38." The card should be reviewed to determine the proper function for the third digit.

f. 40.x47 to 46.000: Cards with the first two digits "40" and last two digits "47" will be changed to 46.000 regardless of the number of the third digit.

From—	To—	From—	To—
12.		23.-19	23.-91
12.0—	12.8—	23.-40	23.-92
12.4—	12.5—		
12.6—	12.0—	24.	
12.-19	12.-18	24.0—	24.8—
		24.-04	24.-00
13.		24.-21	24.-33
13.0—	13.7—	24.x30R	24.xxx
13.4—	13.5—	24.-38	24.202
13.6—	13.0—	24.-39r	24.-49
13.-19	13.-91		
13.-39	13.-92	25.	
13.-54	13.-93	25.0—	25.8—
13.-59	13.-54	25.5—	25.4—
13.-63	13.-64	25.6—	25.0—
13.-64	13.-94	25.-09	25.-08
		25.-51	25.-91
14.			
14.0—	14.1—	29.	
14.6xx	11.111	29.xxxR	24.x11
14.-29	14.31		24.x43
			24.x44
			24.x45
20.			
20.0—	20.8—		
20.4—	20.5—	30.	
20.6—	20.0—	30.0—	30.8—
20.7xx	44.001	30.5xx	See func- tion 3,— Manufac- turing in- dustries, page 43
20.-49	20.-91		
20.-59	20.-92		
21.			
21.0—	21.8—	30.6—	30.0—
21.4—	21.5—	30.7—	30.8—
		30.-00	30.-11
22.		30.-30	30.-35
22.xxxx	24.x39		
23.		33.	
23.0—	23.1—	33.0—	33.8—
23.6—	23.0—	33.4—	33.5—

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

From—	To—	From—	To—	From—	To—	From—	To—
33.6—	33.0—	41.-09	41.-02	51.-05	51.-00		32.x20
33.-68	33.-67	41.-19	41.-25	51.-90	51.-94		32.x30
33.-69	33.-67	41.-20	40.-26	51.-94	51.-99		
34.		41.-69	41.-61			56.	
34.xxxx	34.x00	41.-79	41.-87	52.		56.0—	56.8—
	Or	41.-80	41.-88	52.0—	52.5—	56.6—	56.0—
	34.x10	41.x87	41.070	52.5-R	See func- tion 3-	56.-73	56.-70
		42.			Manufacturing In- dustries	56.-80	56.-85
35.		42.xxxR	42.xxx		page 43	56.-85	56.-80
35.0—	35.8—				52.0—	56.-90	56.-94
35.6—	35.861	43.		52.6—	Also see	56.-94	56.-99
35.8—	34.1—	43.xxxx	42.x20		function		
35.-57	35.-67				"1"—Man- ufacturing		
35.-58	35.-68	45.			Industries		
35.-59	35.-66	45.0—	45.6—		page 43		
35.-84	35.-83	45.5—	45.0—			57.	This group
35.-85	35.-89	45.6xx	57.020			57.xxxR	was com- pletely
35.-90	35.-80	45.-40	45.-46				revised.
35.-91	35.-84	45.-47	45.-49	52.-06	52.-08		Some of
35.-92	35.-85	45.-5045	45.-51	52.-08	52.-09		this group
35.-93	35.-86	45.-51	45.-59	52.-10	52.-12		will best
35.-94	35.-86	45.-60	45.-65	52.-12	52.-11		be reclas- sified as
35.-95	35.-86	45.-77	45.-80	52.-18	52.-19		follows:
35.-96	35.-88	45.-81	45.-92	52.-25	52.-27	(57.x00	(57.x00
35.-97	35.-87			52.-28	52.-29	through	through
35.-98	35.-87			52.-36	52.-39	57.x24)R	57.x39)
		46.		52.-40	52.-41	(57.x30	(32.x20
36.		46.0—	46.5—	52.-50	52.-53	through	through
36.xxxx	34.x90	46.5—	46.0—	52.-55	52.-58	57.x39)R	32.x69)
		46.7—	46.6—	52.-60	52.-61	(57.x50	See func- tion "2-
38.				52.-61	52.-63	through	Indus- tries" page
38.xxxx	18.x40	47.		52.-66	52.-70	57.x53)R	43
		47.0—	47.8—	52.-73	52.-76		"11—Govern- ment and
39.		47.6—	47.0—				Services" page
39.xxxR	See	47.8xxx	19.x99	52.-77	52.-81		38
	33.x02	47.-60	47.-91	52.-82	52.-84		See func- tion "3-
	19.x38					(57.x60	Indus- tries" page
	33.x73	48.	See Radio	53.	53.xxx	through	43
40.		48.xxxR	Engineering—47	53.xxxxR		57.x65)R	57.x32
40.0—	40.9—		or Radio	54.	54.8—		See func- tion "3
40.2—	40.9—		Broad- casting—	54.0—			Indus- tries" page
40.6—	40.0—		37.x03.			57.x66R	43
40.-24	40.-25			54.5—	54.9—	(57.x67	57.x32
40.-25	40.-24			54.6—	54.0—	through	See func- tion "3
40.-33	40.-31	49.	Use either	54.-29	54.-21	57.x61)R	Industries
40.-37	40.-36	49.xxxR	function.	54.-36	54.-80		page 43
40.-43	40.-41			54.-37	54.-81		and
40.x47	46.000		"5" or	54.-38	54.-82		60.x60
40.-50	40.-49		"6" under	54.-39	54.-40		through
			Indus- tries.	54.-46	54.-95		60.x79
	19.x91			54.-47	54.-99		
40.-65	40.-63			54.-48	54.-99	58.	
40.-63	40.-65			(54.-50		58.0—	58.8—
40.-68	40.-69	50.		through		58.6—	58.0—
40.-69	40.-68	50.0—	50.2—	54.-55)	54.-91	58.-60	58.-93
40.-73	40.-74	50.2xx	45.x99	(54.-60		58.-61	58.-99
40.-74	40.-73	50.5xx	40.x71	through		58.-62	58.-92
40.-90	40.-89	50.6—	50.0—	54.-65)	54.-92	58.-63	58.-99
40.-95	40.-96	50.9	50.7—	(54.-70		58.-64	58.-94
40.-97	40.-96	50.-29	50.-91	through		58.-65	58.-95
40.x98r	27.x30	50.-30	50.-92	54.-73)	54.-93	58.-66	58.-96
40.x99r	27.x30	50.-31	50.-93			58.-67	58.-91
				55.		58.-68	58.-99
41.		51.		55.xxxR	See		
41.0—	41.6—	51.0—	51.4—		11.x05	59.	
41.5—	41.6—	51.4—	51.5—		11.x79	59.0—	59.7—
41.6—	41.0—	51.6—	51.0—		(27.x30	59.5xxR	(18.x81

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

From—	To—	From—	To—	From—	To—	From—	To—
59.6xxR	through 27.x59) (18.x91 through 19.x99) and (26.x00 through 26.x69) See 42 Archite- cture	65.x80 65.x81 65.x82 65.x85	through 18.x83) 65.080 65.180 65.980 65.780	65.x44 65.-70 76.6— 76.-29	65.640 65.-60 76.0— 76.-28	76. 76.0— 83.-79 88.x90	76.6— 88.-56 88.781
59.8xxR	59.-02 18.x71 18.x71 27.x01 65.xxx 17.x91 17.x99	66. 66.0— 66.5xxR	66.7— See function 3-Indus- tries	80. 80.xxxR 80.x00 80.x10 80.x30 80.x40 80.x50 80.x60 80.x70r 80.x80 80.x90	34.xxx 34.x30 34.x83 34.x82 34.x50 34.x41 34.x30 34.x43 34.x40 34.x99	89. 89.0— 89.x09 89.-10 89.-14 89.-19 89.-20 89.-49 89.-96 89.-97 89.-98	89.8— 89.x76 89.-06 89.-09 89.-17 89.-29 89.-41 89.-99 89.-96 89.-99
59.-00 59.x20 59.x21 59.x23 59.x24 59.x25 59.x26	59.-02 18.x71 18.x71 27.x01 65.xxx 17.x91 17.x99	66.6— 66.8xxR	66.0— See function 1-Indus- tries	81. 81.0— 81.1— 81.4— 81.-09 81.-10 81.-15 81.-20	81.7— 81.6— 81.5— 81.-11 81.-12 81.-65 81.-70	90. 90.0— 90.5—	90.7— 90.0—
60. 60.xxxR	60.xxx	66.-05 66.-10 66.-15 66.x17 66.-34 66.-93 66.-94 66.-96 66.x97 66.-98	66.-00 66.-11 66.-10 42.893 66.-39 66.-92 66.-92 66.-95 56.x70 66.-94	82. 82.0— 82.3—	82.6— 82.0—	91. 91.0— 91.6— 91.x01R	91.8— 91.0— See func- tion 0 Indus- tries page 43
61. 61.xxxR	61.xxx	67. 67.3—	67. 67.0—	83. 83.0— 83.7— 83.-09 83.-19	83.7— 83.9— 83.-07 83.-11	91.x02 91.x03R	57.020 See func- tion 2 and 3- Indus- tries page 43
63. 63.0— 63.7xx 63.8xx 63.x07 (63.x30 through 63.x39)R	63.7— 63.090 34.090 32.889 See func- tion 8 Indus- tries page 44	68. 68.0— 68.6— 68.-14 68.-20	68.6— 68.-19 68.-90	83.-11 (83.x80 through 83.x93)R	83.-19 83.4xx	91.x04R	See func- tion 8- Indus- tries page 44
64. 64.xxxR	See fol- lowing Indus- trial codes (15.x00 through 15.x99) (26.x00 through 28.x99) (31.x00 through 32.x99) (37.x00 through 37.x99) (44.x00 through 44.x39)	68.-21 68.-22 68.-23 68.-24 68.-25 70. 70.0— 70.4— 70.6— 70.-29 70.-76 70.-83	68.-91 68.-92 68.-93 68.-94 68.-95	86. 86.0xx 86.8— 86.x19 86.x27 86.x39 86.x76 86.x91 86.x92 86.x95	86.210 86.220 86.x30 86.x79 89.x09 89.x08 88.556	91.x05 91.-24 91.-29 91.-35 91.-44 91.-50 91.-60 91.-61 91.-62 91.-63	45.009 91.-20 91.-23 91.-30 91.-49 91.-53 91.-50 91.-54 91.-55 91.-60
65. 65.0— 65.3— 65.6— 65.-01 65.x02 65.x23 65.x24 65.x40	65.8— 65.2— 65.0— 65.-00 65.402 65.920 65.420 65.140	72. 72.0— 72.4— 72.0— 72.7xxR 72.-90 72.-97 72.-98	72.7— 72.5— 72.0— 11.x70 72.-99 72.-99 72.-99	87. 87.0— 87.-10 87.-38 87.-40 87.-43 87.x50	87.7— 87.-30 87.-39 87.-44 87.-49 87.000	92. 92.0— 92.6— 92.8xxR	92.8— 92.0— See (15.x00 through 15.x49) See func- tion 5 Indus- tries page 43

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

From—	To—	From—	To—
87.x51	87.000	(92.x14	See 15.x00
87.x52	87.000	through	through
		92.x18)R	15.x49
88.		92.x18	92.-20
88.0—	88.6—	92.-39	92.-38
88.6—	88.0—	92.x50R	11.x31
95.		96.-55	96.59
95.0—	95.7—		
95.5—	95.0—	97.	
(95.x09		97.0—	97.8—
through		97.2—	97.0—
95.x14)R	95.8xx	97.7—	97.9—
95.-15R	95.4xx		
95.-40	95.-60	99.	
		(99.x01	
96.		through	
96.0—	96.1—	99.x04)	99.x00
96.7—	96.0—	99.x09	99.x00
96.8xx	32.316	99.x10	99.x00

2. CONVERSION CODES FOR ALL CHANGES TO CIVILIAN CODES, AR 605-95 (TENTATIVE) SUPPLEMENT I, 18 MARCH 1943. See section IV paragraph 1 for example and explanation of converting civilian codes.

From—	To—	From—	To—
02.666	02.669	24.x87	99.x87
24.x40	44.001	24.x88	99.x88
24.x80	99.x80	24.x89	99.x89
24.x81	99.x81	24.x90	74.200
24.x82	99.x82	24.x91	74.600
24.x83	99.x83	24.x92	74.000

From—	To—	From—	To—
24.x84	99.x84	24.x93	74.300
24.x85	99.x85	24.x94	74.000
24.x86	99.x86		
24.x95	74.201	99.x70	11.x78
24.x96	74.500	99.x71	11.x79
47.x61	47.x92	99.x72	11.x82
47.x62	47.x93	99.x79	11.x99

3. CONVERSION CODES FOR ALL CHANGES TO CIVILIAN CODES, AR 605-95 (TENTATIVE) MEMORANDUM NO. W605-22-43, 15 MAY 1943. See section V, paragraph 1, for examples and explanation of converting civilian codes.

From—	To—	From—	To—
05.593	27.102	57.x70	57.x93
24.x99	74.xxxR	57.968	37.x57
29.x80	24.x45	60.x17	60.x33
34.x75	34.x66	60.x23	60.x37
47.x61	47.x92		
47.x62	47.x93		
		64.x67	65.x23
		65.x90R	Use function "1" of 65
47.x70	47.x94		
57.x30	32.022, 23, or 24		
		92.x06	92.x92
		92.x07	92.x93
		95.x30	95.x91
		99.x32	11.x86

Section V

Alphabetical Index

Group "A" (skilled, unskilled, clerical, and sales occupations) and Group "B" (professional, managerial, and administrative occupations) have been combined for convenience in locating specific occupations.

Section II should be consulted before using the Alphabetical Index. (See pars. 5 and 6.)

A	Code	Page		Code	Page
Abrasive, Asbestos, and Miscellaneous Non-metallic Mineral Products (Manufacturing)	18.x71	49	Amusement	95.x	112
Abrasives and Polishing Products Production	04.70	27	Amusement Attendant	02.40	17
Academic and Commercial Subjects (Trade and Industrial Education—see 89.x00)	86.x00	104	Amusement Foreman	05.97	37
Accounting (also see function "8" Industries page 43)	63.x00	91	Amusement Occupations, n. e. c. (also see 95.x)	05.56	34
Acoustical Engineering	47.x30	78	Amusement and Recreation Service (Service Industries)	37.x90	71
Actuarial Statistics	34.x90	68	Anatomy	21.x	54
Addressograph Operator	01.25	13	Animal Husbandry	92.x00	112
Adjuster, Tire, and Claim	01.48	14	Animal Oils & Vegetable Oils (Manufacturing)	17.x33	47
Administrative and Management Techniques	57.x00	85	Animal Science	92.x	112
Advertising	37.x51	70	Annealing Occupations	04.87	28
Aerodynamics (Aeronautical Engineering)	56.x00	84	Anthracite Mining (also see 05.21)	26.x80	59
Aeronautical Engineering	56.x90	85	Anthropology	71.x	97
Agent, Business	01.48	14	Apparel (Manufacturing) (also see 04.21)	16.x00	45
Agricultural Economics Statistics	34.x50	68	Apparel and Accessories (Retail)	31.x70	64
Agricultural Fishery, Forestry and Kindred	03.000 through 03.999	18	Appraiser, n. e. c.	01.48	14
Agricultural Occupations	03.x	18	Appraising and Valuation	40.x87	72
Agricultural Technician, n. e. c.	03.48	19	Apprentice, Beauty Operator	02.47	17
Agriculture, General	03.49	19	Apprentice, Carpentry	07.93	37
Agriculture, Horticultural, and Kindred	03.000 through 03.999	18	Apprentice, Cook	02.47	17
Agriculture (Trade and Industrial Education)	89.x15	108	Apprentice, Electrical	07.95	37
Agronomy	90.x	109	Apprentice, Machine Shop	07.94	37
Air Conditioning Engineering	58.x	86	Apprentice, n. e. c.	07.99	38
Aircraft Building, n. e. c.	05.03	30	Apprentice, Other Construction and Hand Trades	07.97	37
Aircraft and Parts (Manufacturing)	26.x14	58	Apprentice, Plumbing	07.96	37
Airplane Repairing	05.80	35	Apprentice, Printing Trades	07.98	37
Air Transportation	65.x00	93	Archeology	71.x10	78
Air Transportation Worker	05.49	33	Architecture	42.x	74
Alcohol Distiller	04.53	25	Architecture, Naval	41.x90	74
Ammunition (Manufacturing)	17.x72	48	Armature Winder	04.x99	29
Ammunition Production Worker	04.54	25	Art-Glass Worker	05.77	35
			Art Specialties	96.x50	114
			Artificial Leather Manufacturing Occupations, n. e. c.	04.19	21
			Arts and Crafts	88.x30	106
			Arts and Drafting (Trade and Industrial Education)	89.x20	108
			Arts and Sculpturing	96.x	113
			Asbestos and Insulation Work	05.34	33
			Asbestos Product Production	04.70	27
			Asphalt Maker	04.55	25
			Assembler (see Specific Manufacturing Industry)		
			Astronomy and Astrophysics	33.x70	67
			Attendant, Amusement and Recreation	02.40	17
			Attendant, Camp	02.44	17

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

	Code	Page		Code	Page	
Checker, Mine.....	05.22	32	Concrete Gypsum and Plaster Products (Manufacturing).....	18.x63	49	
Cheese Processor.....	04.06	20	Concrete-Mixing Machine Operator.....	05.23	32	
Chef and Cook.....	02.26	16	Concrete Product Production.....	04.67	27	
Chemical Engineering.....	50.x	79	Conductors, Street Car and Train.....	05.39	33	
Chemical Products Occupations, n. e. c.....	04.52	25	Confection Production Worker.....	04.05	20	
Chemical Production, n. e. c.....	04.53	25	Construction.....	05.230 through	05.339	
Chemicals and Allied Products (Manufacturing).....	17.x30	47	Construction (Industrial and Safety Engineering).....	45.x00	76	
Chemicals and Chemical Products Production.....	04.500 through	04.549	24	Construction, n. e. c.....	05.32	32
Chemicals, Drugs, Allied Products (Wholesale).....	27.x70	61	Construction and Lumber Materials (Wholesale).....	28.x80	61	
Chemicals, Industrial (Manufacturing).....	17.x52	48	Construction Machinery Operation, n. e. c.....	05.23	32	
Chemist Mixer (Flavoring Extracts).....	04.10	20	Construction and Mining Machinery (Manufacturing).....	19.x57	51	
Chemistry and Related Fields.....	30.x	62	Construction Occupations.....	05.23	32	
Chewing Gum Maker.....	04.05	20	Containers, Wood (Manufacturing).....	16.x64	46	
Chief Clerk.....	57.x	85	Contractors, General (Construction).....	27.x30	60	
Circus, Vaudeville, Radio.....	95.x20	113	Contractors, Special-Trade (Subcontractors).....	27.x40	60	
Civil Engineering.....	40.x	71	Cook and Chef.....	02.64	16	
Civil Law.....	68.x00	95	Cook, Domestic Service.....	02.05	16	
Claim Adjuster.....	01.48	14	Cooperage, n. e. c.....	04.38	23	
Clay, Glass, and Stone Products Production.....	04.650 through	04.709	26	Cordage Manufacturing Occupations, n. e. c.....	04.19	21
Clay Product Production.....	04.66	26	Coremaker, Foundry.....	04.82	28	
Clay Products, Structural (Manufacturing).....	18.x49	49	Cork Product Occupations.....	04.40	23	
Cleaner.....	02.82	18	Correspondence Clerk.....	01.16	13	
Cleaning of Apparel and Other Articles.....	05.57	34	Cosmetic Products Occupations.....	04.53	25	
Clerical and Kindred.....	01.000 through	01.499	12	Cost Accounting Industries (see Industrial function 8, page 44).		
Clerical and Sales.....	01.000 through	01.999	12	Cost Accounting, Other Than Manufacturing.....	63.x40	92
Clerk (All Clerical Occupations).....	01.01	12	Cotton Farmer.....	03.02	18	
	through	01.49	Cotton Ginner.....	03.47	19	
Clerk, Chief.....	57.x	85	Cotton Grader.....	05.76	35	
Clock, Watch, Jewelry, and Articles of Precious Metals Manufacture, n. e. c.....	04.72	27	Cotton Seed Products Occupations.....	04.52	24	
Clothing and Furnishings (Wholesale).....	27.x84	61	Cotton Textile Products (Manufacturing).....	15.x61	45	
Clothing, Men's and Boys' (Manufacturing).....	16.x01	45	Court Reporter.....	01.37	14	
Coal Products and Petroleum (Manufacturing).....	17.x90	48	Crane Operation.....	05.73	35	
Coal Tar Products Occupations.....	04.52	24	Credit Agencies other than Banks—Long Term (Finance, Insurance, and Real Estate Industries).....	32.x30	65	
Cobbler.....	04.60	26	Credit Agencies other than Banks—Short Term (Finance, Insurance, and Real Estate Industries).....	32.x40	65	
Coke and Byproducts (Manufacturing).....	17.x92	48	Credit clerk.....	01.12	13	
Coke and Gas Production Occupations.....	04.55	25	Crime Expert.....	02.66	18	
Collector, Bills and Accounts.....	01.15	13	Crude-Petroleum and Natural-Gas Production (Mining).....	27.x00	60	
Commercial Arts.....	96.x40	114	Curriculum and Instruction.....	86.x40	105	
Commission Man.....	01.52	15	Cutlery and Hardware, Hand Tools (Manufacturing).....	18.x94	49	
Commodity Brokers and Security (Finance, Insurance, and Real Estate Industries).....	32.x60	65	Cutlery Manufacturing.....	18.x95	49	
Communication (Transportation and Other Public Utilities).....	37.x00	70				
Communication Equipment and Related Products (Manufacturing).....	19.x98	52				
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Communication Equipment Manufacturing Occupations.....	05.00	30				
Communication Foreman.....	05.95	37				
Communication Occupations.....	05.51	33				
Compiler.....	01.36	14				
Compiler, Statistics.....	01.36	14				
Composing and Typesetting.....	04.44	24				
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Computing-Machine Operator.....	01.25	13				
Concrete and Cement Finishing.....	05.26	32				

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Dairy Products (Manufacturing).....	15.x07	44
Dairy Product Worker.....	04.06	20
Dairy Science.....	92.x10	112
Dairyman.....	03.04	18
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Deck Worker.....	05.48	33
Decorator.....	05.89	36
Demonstrator.....	01.56	15
Dental Assistant.....	01.32	14

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Dental Technician (Mechanic).....	05.09	30	Electrical Wiring Devices and Generating Equipment (Manufacturing).....	19. x91	52
Dentistry.....	24. x	56	Electrical Work.....	04. 97	29
Derrick Operation.....	05.73	35	Electrical Work and Electrical Equipment Manufacturing.....	04. 970 through	05. 009 29
Design, Industrial.....	66. x	94	Electronics.....	51. x30	80
Designing, n. e. c.....	99. x	115	Electroplating.....	04. 74	27
Detective.....	02.66	18	Electrotyping.....	04. 45	24
Detective, not in Public Service.....	02.65	17	Elementary Education.....	86. x10	104
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Dictaphone Operator.....	01.37	14	Enamelware Products Occupations.....	04. 93	29
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Diesel Engines, Manufacturing.....	19. x52	51	Engineer (see Specific Field such as Mechanical Engineer, or Civil Engineer)		
Diesel Engineer.....	05.72	35	Engineering (see Industrial function 6 page 44.)		
Diets.....	14. x10	42	Engineering Clerk.....	01. 35	14
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Doorman.....	02.45	17	Engraving.....	04. 73	27
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Drama.....	88. x10	106	Entomology.....	13. x60	41
Drawing and Sketching.....	96. x20	113	Equipment and Supplies, Machinery (Wholesale)	28. x90	61
Drill Press Operator.....	04.78	28	Errand Boy.....	01. 23	13
Drilling in the Extraction of Minerals and in Construction.....	05.75	35	Estimator, n. e. c.....	01. 49	14
Drilling Occupations, Petroleum.....	05.20	31	Explosives Manufacturing Occupations.....	04. 52	24
Drug Product Occupations.....	04.53	25	Export-Import Services.....	37. x57	70
Drugs and Chemicals and Allied Products (Wholesale).....	27. x70	61	Express Agent.....	01. 44	14
Drugs, Toilet Preparations, and Insecticides (Manufacturing).....	17. x40	47	Express Messenger.....	01. 31	14
Dry Cleaning Occupations.....	05.57	34	Extraction of Minerals.....	05. 229	31
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E			Fabrication of Metal Products, n. e. c.....	04. 93	29
Economic Statistics (Other Than Financial and Agricultural).....	34. x40	68	Family, Women, Youth (Sociology).....	82. x30	102
Economics.....	60. x	88	Farm Couple.....	03. 36	19
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Education, Industrial.....	89. x	107	Farm Mechanic.....	03. 35	19
Education, Professional.....	86. x	104	Farm Products (Including Assemblers of) (Wholesale).....	28. x10	61
Education, Safety.....	46. x40	77	Farmer.....	03. 01 through	03. 09 18
Educational Services (Service Industries).....	44. x20	75	Farming Machine Operator.....	04. 88	28
Elevator Operator.....	02. 95	18	Feed Processing Occupations.....	04. 07	20
Electric Power Generation.....	51. x40	80	Felt Goods Manufacturing Occupations, n. e. c.....	04. 20	21
Electric Railway Transportation.....	51. x60	80	Ferrous and Nonferrous Metal Production, n. e. c.....	04. 92	29
Electrical Apparatus.....	51. x10	80	Fertilizer Products Occupations.....	04. 52	24
Electrical Appliances (Manufacturing).....	19. x95	52	File Clerk.....	01. 17	13
Electrical Automotive Equipment Repairman.....	05. 81	35	Filing, Grinding, Buffing, and Polishing Occupations.....	04. 77	27
Electrical Construction Occupations.....	04. 97	29	Finance, Insurance, and Real Estate Industries.....	32. x20 through	32. x90 65
Electrical Engineering.....	51. x	79	Financial Institution Clerk, n. e. c.....	01. 06	12
Electrical Equipment Manufacture, n. e. c.....	05. 00	30	Financial Institutions (Government).....	11. x40	39
Electrical Goods (Wholesale).....	28. x50	61	Financial Statistics.....	34. x30	68
Electrical Machinery (Manufacturing).....	19. x90	52	Fire and Marine Insurance (Finance, Insurance, and Real Estate Industries).....	32. x72	65
Electrical Machinery and Accessories Manufacture, n. e. c.....	04. 99	29	Firearms Manufacturing Occupations.....	04. 93	29
Electrical Maintenance Occupations.....	04. 97	29	Firebox Firing, other than Process Firing.....	05. 70	35
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Fireman, Fire Department.....	02.63	17	Geography.....	81.x	101
Fireman, Locomotive.....	05.41	33	Geography (Nonregional).....	81.x00	101
Fireman, Marine.....	05.70	35	Geology and Geophysics.....	35.x	68
Fireworks Maker.....	04.53	25	Geophysics and Geology.....	35.x	68
First-aid Attendant.....	02.38	17	Glass Blower.....	04.65	26
Fish Resources.....	92.x20	112	Glass Product Production.....	04.65	26
Fishing, General.....	03.89	19	Glass Products (Manufacturing).....	18.x41	49
Fisherman, Sponge.....	03.88	19	Glass Setting Occupations.....	05.77	35
Fishery Occupations..... 03.800 through	03.899	19	Glass, Stone, and Clay Products Production..... 04.650 through	04.709	26
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Floor Coverings, Carpets, and Rugs (Manufacturing).....	15.x84	45	Goldsmithing.....	04.71	27
Flour Processing Occupations.....	04.07	20	Governmental Organizations and Services.....	11.x	38
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Food (Retail) (including Eating and Drink Places).....	31.x50	64	Grain-Mill Products (Manufacturing).....	15.x21	44
Food and Groceries Specialties (Wholesale).....	28.x00	61	Grain Processing Occupations.....	04.07	20
Food and Kindred Products (Manufacturing).....	15.x00	44	Grain Products Occupations.....	04.08	20
Food Preparations, Miscellaneous (Manufacturing).....	15.x39	44	Grinder, Glass.....	04.65	26
Food Product Production... 04.010 through	04.109	19	Grinder, Lens.....	05.08	30
Food Preservation.....	04.04	20	Grinding, Buffing, Polishing, and Filing Occupations.....	04.77	27
Food Processor, Miscellaneous.....	04.10	20	Grinding Machine Operator.....	04.79	28
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Foreman, n. e. c.....	05.99	37	Group "B" (n. e. c.).....	99.x	115
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Forestry (except Logging), Hunting, and Trapping..... 03.900 through	03.999	18	Guidance and Personnel (Education).....	86.x80	105
Forestry Management.....	91.x	110	Guide, Fishing and Hunting.....	03.96	19
Forging and Smithing.....	04.86	28	Guide, Travel.....	02.36	17
Foundry Molding.....	04.81	28	Guides, except Hunting and Trapping.....	02.36	17
Foundry Operation, n. e. c.....	04.82	28	Gunsmith.....	05.83	36
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Furniture, Home Furnishings and Equipment (Retail).....	31.x80	64	Hardener.....	04.87	28
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Furniture Inspector.....	05.59	34	Hardware Products Occupations.....	04.93	29
Furniture Manufacturer, n. e. c.....	04.36	23	Hardware, Wholesale Trades (Manufacturing).....	28.x70	61
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Gateman.....	02.61	17	Heating Apparatus, Enameled-Iron Sanitary Ware and Boiler Shop Products (Manufacturing).....	19.x00	50
Gate Tending.....	05.42	33	Heating Apparatus Occupations.....	04.93	29
Gelatin Maker.....	04.53	25	Heating Engineering.....	58.x	86
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Horticulture	90. x	109			
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Lodging Places (Service Industries)	37. x30	70	Match Maker	04. 39	23
Loftsmen	05. 17	31	Mathematics	34. x	67
Log Inspector	04. 29	22	Measuring Instruments Manufacturing Oc-		
Logs and Lumber	04. 29	22	cupations, n. e. c.	05. 09	30
Log Scaler	04. 29	22	Meat Products (Manufacturing)	15. x01	44
Longshoreman	09. 47	33	Meatcutting, except in Packing and Slaugh-		
Lubrication (Engine)	52. x21	81	tering Houses	05. 58	34
Lumber and Construction Materials (Whole-			Mechanic, n. e. c.	05. 83	36
sale)	28. x80	61	Mechanic, Farm	03. 35	19
Lumber Grader	04. 29	22	Mechanical Engineering	52. x	81
Lumber Inspector	04. 29	22	Mechanical Treatment of Metals (Rolling,		
Lumber Products Manufacture, n. e. c.	04. 39	23	Stamping, Forging, Pressing, etc., n. e. c.)	04. 88	28
Lumber Products Occupations, n. e. c.	04. 39	23	Medical Assistant	01. 32	14
Lumber Products Production			Medical Fields	24. x	57
04. 290 through	04. 399	22	Medical Fields (Allied) (Healing)	99. x	115
Lumber Sawyer	04. 31	22	Medical and other Health Services (includ-		
Lumber and Timber Basic Products	16. x40	46	ing Hospitals and Laboratories)	44. x0	75
Lumber Transporting	04. 30	22	Medical Secretary	01. 33	14
Lumbering	04. 30	22	Melter, Glass	04. 65	27
			Messenger	01. 23	13
			Messenger Express	01. 31	14
			Metal and Machine Work (Trade and In-		
			dustrial Education)	89. x50	108
			Metal Mining	26. x70	59
			Metal Products Occupations, n. e. c.	04. 93	29
			Metal Sawing Occupations	04. 88	28
			Metal Stamping and Coating (Manufac-		
			turing)	19. x08	50
			Metallurgy	59. x	87
			Metals and Metal Products	45. x34	76
			Metals and Minerals (Except Petroleum		
			Products and Scrap) (Wholesale)	31. x00	63
			Metalworking	04. 710 through	27
			Metalworking—Inter-Industry	04. 95	29
			Metalworking Machinery (Manufacturing)	19. x61	51
			Meteorology	40. x48	72
			Meteorology (Including Forecasting)	35. x80	69
			Meter Repairman	05. 83	36
			Midwife	02. 38	17
			Millinery Designers and Makers	04. 23	22
			Military Engineering	52. x00	81
			Military Occupations, n. e. c.	99. x	115
			Miller	04. 07	20
			Milling Machine Operator	04. 78	28
			Millwright	05. 78	35
			Mine Equipment Repairman	05. 83	36
			Mineral Extraction, n. e. c.	05. 22	32
			Minerals and Metals (Except Petroleum		
			Products and Scrap) (Wholesale)	31. x00	63
			Mineralogy	35. x10	69
			Mining	45. x70	76
			Mining and Construction Machinery (Manu-		
			facturing)	19. x57	51
			Mining Engineering	59. x	88
			Mining and Mining Machine Operation	05. 21	32
			Miscellaneous Processes Manufacturing	05. 160	31
			through	05. 189	

CLASSIFICATION AND CODING OF CIVILIAN OCCUPATIONS

	Code	Page		Code	Page
Petroleum and Coal Products (Manufacturing)-----	17. x90	48	Poultry Processor-----	04. 09	20
Petroleum and Coal Production-----			Pouring, Smelting, and Furnace Operation--	04. 91	29
04. 550 through-----	04. 569	25	Powderman-----	05. 74	35
Petroleum Production-----	05. 20	31	Power Equipment Repairman-----	05. 53	34
Petroleum Products Inspector-----	05. 76	35	Power Heat and Light (Transportation, Communication and other Public Utilities)-----	37. x10	70
Petroleum Refining-----	04. 55	25	Power Plant Installation-----	56. x30	85
Pharmacology and Experimental Therapeutics-----	23. x	54	Power Station Operation-----	05. 51	33
Philosophy-----	62. x	91	Powerhouse Engineer-----	05. 51	33
Photoengraving-----	04. 47	24	Practical Nurse-----	02. 38	17
Photography-----	97. x	114	President, Concern, Trade or Service (see Industrial function 1 page 43).-----		
Photograph Manufacture-----	04. 98	29	Press Operation-----	04. 48	27
Photographic Apparatus Manufacturing Occupations-----	05. 09	30	Printer, Photograph and Motion Picture-----	05. 86	36
Photographic Processing-----	05. 86	36	Printing Occupations----- 04.440 through	04. 499	24
Photography, Motion-----	97. x00	114	Printing Press Occupations-----	04. 48	24
Photography, Still-----	97. x10	114	Printing and Publishing, n. e. c.-----	04. 49	24
Photolithographer-----	04. 46	24	Printing, Publishing and Allied Industries (Manufacturing)-----	17. x10	47
Photostat Machine Operator-----	05. 86	36	Printing and Publishing Clerk-----	01. 10	13
Physical, Analytical, Inorganic, and Metallurgical Chemistry-----	30. x00	62	Printing and Publishing (Manufacturing)-----	17. x11	47
Physical Anthropology-----	71. x00	97	Printing and Related Trades (Trades and Industrial Education)-----	89. x60	108
Physical Science Statistics-----	34. x60	68	Printing Trades Apprentice-----	07. 98	37
Physician Assistant-----	01. 32	14	Printing Trades, Service Industries (Manufacturing)-----	17. x24	47
Physics and Astronomy-----	33. x	66	Productions (including Radio)-----	95. x00	112
Physiology-----	12. x	39	Professional Athletics-----	95. x40	113
Piano and Organ Tuning-----	05. 10	31	Professional Education-----	86. x	104
Pile-driver Operator-----	05. 23	32	Professional, n. e. c.-----	99. x	115
Pipe Fitter-----	05. 30	32	Professional and Scientific Apparatus Manufacture, n. e. c.-----	05. 09	30
Pipe Fitter Apprentice-----	07. 95	37	Professional Service, n. e. c.-----	44. x19	75
Pipe Maker-----	04. 66	26	Projectionist, Motion Picture-----	05. 55	34
Planing Mill Operator, n. e. c.-----	04. 34	23	Proofreader-----	01. 10	13
Plant Pathology-----	90. x	109	Propeller Design and Testing-----	56. x50	85
Plant Superintendent (see Industrial function 1 or 2 page --).-----			Property Custodians-----	01. 49	14
Plaster Product Production-----	04. 67	27	Protection (Fire) (Forestry)-----	91. x20	111
Plaster Products, Concrete, Gypsum (Manufacturing)-----	18. x63	49	Protective Service----- 02. 600 through	02. 699	17
Plaster Products Occupations, n. e. c.-----	04. 67	27	Psychogenic Speech Disorders-----	76. x20	100
Plastering and Paperhanging-----	05. 28	32	Psychology-----	70. x	95
Plastics Products Occupations-----	04. 52	24	Psychometrics and Psychophysics-----	70. x60	96
Plate Printing-----	04. 48	24	Public-Assistance Administration (Social Welfare)-----	83. x00	103
Plumber Apprentice-----	07. 95	37	Public Finance (Economics)-----	60. x40	89
Plumber Supplies Occupations-----	04. 93	29	Public Finance (Government)-----	11. x60	39
Plumbing, Gas Fitting, and Steam Fitting--	05. 30	32	Public Relations Man-----	57. x93	86
Plumbing, Heating Equipment and Supplies (Wholesale)-----	31. x20	63	Public Safety-----	45. x30	76
Policeman, except Public Service-----	02. 65	17	Public Services, n. e. c.----- 05.610 through	05. 619	34
Policeman, Public Service-----	02. 66	18	Public Services, n. e. c.-----	05. 61	34
Polisher, Glass-----	04. 65	26	Public Utilities (Government)-----	11. x50	39
Polisher, Lens-----	05. 08	30	Public Utilities Occupations-----	05. 51	33
Polishing, Filing, Grinding, and Buffing Occupations-----	04. 77	27	Publishing Clerk-----	01. 10	13
Polishing Product Production-----	04. 70	27	Publishing Occupations-----	04. 49	24
Political Science-----	72. x	98	Publishing and Printing (Manufacturing)-----	17. x11	47
Porter-----	02. 86	18	Publishing, Printing, and Allied Industries (Manufacturing)-----	17. x10	47
Post Office, including Inspectors-----	11. x86	39	Pullman Porter-----	02. 91	18
Post Office Clerk-----	01. 27	14	Pulp Manufacturing Occupations-----	04. 41	23
Pottery and Related Products (Manufacturing)-----	18. x56	49	Punch Press Operator-----	04. 48	24
Pottery Worker-----	04. 66	26	Purchasing (see Industry function 2 page 43.)-----		
Poultry Expert-----	03. 49	19			
Poultry Farmer-----	03. 08	18			

OFFICER CLASSIFICATION—COMMISSIONED AND WARRANT

Q			S		
	Code	Page		Code	Page
Quarrying and Nonmetallic Mining	27. x10	60	Safety and Industrial Engineering	45. x	75
Quarryman	05. 22	32	Safety Promotional Activities	46. x30	77
R			Sailors and Deck Workers, Except U. S. Navy	05. 48	33
Radio Engineering	47. x	78	Sales and Clerical	01.000 through	01. 999
Radio Entertaining	95. x	112	Sales Clerk (Any Commodity)	01. 70	15
Radio Manufacture	04. 98	29	Sales Clerk, Dry Cleaning and Laundry	01. 96	16
Radio Repairman	05. 83	36	Sales Engineer (see Industry function 3 page 43.)		
Railroad Braking and Switching	05. 38	33	Sales and Kindred	01.500 through	01. 999
Railroad Clerk	01. 11	13	Sales Manager (see Industry function 3 page 43.)		15
Railroad Equipment (Manufacturing)	26. x11	28	Salesman	01. 55	15
Railroad Inspector	05. 76	35	Salesman, Brokerage and Commission Firms, n. e. c.	01. 52	15
Railroad Officials	65. x40	93	Salesman, Insurance	01. 57	15
Railroad and Railway Car Manufacturing Occupations, n. e. c.	05. 05	30	Salesman, Real Estate	01. 63	15
Railroad Transportation Occupations, n. e. c.	05. 49	33	Salesman, Retail	01. 80	15
Railway Repairing	05. 79	35	Salesman, Securities	01. 65	15
Range Management	91. x	110	Salesman, Stock and Bond	01. 65	15
Rayon and Allied Products Worker	04. 51	24	Salesman, Wholesale	01. 85	15
Rayon and Silk Products (Manufacturing)	15. x65	45	Salesperson	01. 75	15
Real Estate	32. x90	66	Salt Refinery Occupations	04. 52	24
Real Estate Salesman	01. 63	15	Sand and Gravel Quarries, Pits, and Dredges (Mining)	27. x14	60
Receiving Clerk	01. 34	14	Sand, Stone, and Clay Products	45. x77	76
Recreation, n. e. c.	05. 56	34	Sandblaster	04. 82	28
Recreation Area and Development (Planning)	88. x80	107	Sanitary Officer	02. 66	18
Recreation Leadership	88. x	106	Sanitary Ware (Manufacturing)	19. x01	50
Refrigeration	58. x40	87	Sawmill Operation, n. e. c.	04. 31	22
Refrigeration Equipment Manufacturing occupations	05. 00	30	Sawmill (Manufacturing)	16. x42	46
Refrigerating Engineer "A"	05. 72	35	Saw Sharpening Occupations	05. 84	36
Refrigerating Engineering	58. x	86	Scaler Lumber	04. 29	22
Religion	98. x	114	Schedule Maker, Railroad	01. 11	13
Repairman, n. e. c.	05. 83	36	Scientific and Professional Apparatus Manufacture, n. e. c.	05. 09	30
Repairman, Electrical, n. e. c.	05. 83	36	Scientific Instruments (Manufacturing)	26. x42	63
Repairman, Electrical Automotive Equipment	05. 81	35	Scrap Metal Brokers	31. x30	59
Repairman, Mine Equipment	05. 83	36	Script Girl	01. 37	14
Repairman, Meter	05. 83	36	Sculpturing	96. x30	113
Repairman, Musical Instrument	05. 83	36	Sealing Machine Occupations	05. 68	35
Repairman, Telephone and Telegraph and Power Equipment	05. 53	34	Secondary Education	86. x20	104
Repair Services, Miscellaneous (Service Industries)	37. x70	71	Secretary	01. 33	14
Reporting	87. x30	106	Security and Commodity Brokers, (Finance, Insurance and Real Estate Industries)	32. x60	65
Restaurant Managements	31. x50	64	Seismology	35. x50	69
Retail Stores, Miscellaneous	31. x90	64	Servant, Household	02. 09	16
Retail Trade	31. x50 through	64	Service	02. 000 through	02. 999
Riveter	04. 95	29	Service Foreman	05. 97	37
Riveter, Structural	04. 84	28	Service Occupations, n. e. c.	05. 59	34
Rodman, Surveying	05. 87	36	Service Trades	89. x66	108
Roofing Materials, Paving (Manufacturing)	17. x95	48	Service Work, Telephone and Telegraph and Power	05. 53	34
Roofing and Slating	05. 31	32	Serviceman, Appliances	05. 83	36
Rolling Mill Occupation	04. 88	28	Serviceman Office Machine	05. 83	36
Room Clerk	02. 22	16	Services and Trades	05. 550 through	05. 609
Route Driving	05. 35	33	Services and Trades, n. e. c.	05. 59	34
Rosin Products Occupation	04. 53	25	Set-up Man, Machine	04. 75	27
Rotogravure Printing Occupations	04. 49	24	Sewing Machine Operator	04. 28	22
Rubber Goods Production	04.570 through	25	Sexton	02. 84	18
Rubber Goods Production	04. 57	25	Shearing Machine Operator	04. 88	28
Rubber Goods Production Occupations	04. 57	25	Sheet Metal Work (Manufacturing)	19. x45	51
Rubber Products (Manufacturing)	18. x00	48	Sheet Metal Worker	04. 94	29
Rugs and Floor Coverings, Carpets (Manufacturing)	15. x24	45	Sheet Metal Working	04. 80	28
			Sheriff	02. 67	18

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	Code	Page		Code	Page
Textile Products Manufacturing Occupations, n. e. c.	04.27	22	Typesetting	04.44	24
Textile Weaving Occupations	04.15	21	Typist	01.37	14
Textiles and Clothing	89.x70	108	U		
Textiles Production	04.140 through	04.199	Under garments and Related Accessories, Women's Manufacturing	16.x15	46
Theatrical Manager	01.48	14	Upholsterer	04.35	23
Ticket Girl (Laundry)	01.18	13	Usher	02.48	17
Tile Maker	04.66	26	Utilities and Communication	05.510	
Tile Setting, Brickwork, and Stonework	05.24	32		through	05.549
Timber Cutter	04.30	22	Utilities Foreman	05.95	37
Timberman	05.22	32	Utilities, n. e. c.	05.54	34
Timekeeper	01.26	14	Utility Occupations, Public	05.51	33
Tinware Products Occupations	04.93	29	V		
Tire Beads and Inner Tube Builder	04.57	25	Valet	02.09	16
Tire Repairing Occupations	05.89	36	Valet, Hotel	02.22	16
Tires	54.x40	84	Valuation and Appraising	40.x87	72
Tobacco Graders	05.76	35	Varnish Manufacturing Occupations	04.50	24
Tobacco Product Manufacturing			Vegetable and Animal Oils (Manufacturing)	17.x33	47
	04.120 through	04.129	Vegetable Grading and Packing Occupations	03.30	18
Tobacco Product Occupations	04.12	21	Vegetable Packer	03.03	18
Tobacco Products (Manufacturing)	15.x50	45	Vendor	01.61	15
Toilet Preparations and Insecticides, Drugs (Manufacturing)	17.x40	47	Ventilating Engineering	58.x	86
Tool and Die Sinking and Setting	04.76	27	Ventilating Equipment Operator	05.72	35
Tool Sharpening and Dressing	05.84	36	Vinegar Production Occupations	04.03	20
Tools, Hand, Cutlery, and Hardware (Manufacturing)	18.x94	49	W		
Tractor Operation	05.36	33	Wallboard Production Occupations	04.67	27
Tractors and Machinery, Agricultural (Manufacturing)	19.x54	51	Waiter	02.27	17
Trade Clerk, n. e. c.	01.12	13	Warehousing	05.88	36
Trade and Industrial Educational	89.x	107	Warehousing, Storage or Transportation (see Industry function 4 page 43.)		
Trader, Stock and Bond	01.65	15	Waste Materials (Wholesale)	31.x30	63
Trades and Crafts, n. e. c.	89.x83	108	Watchmaking	04.71	27
Trades and Services	05.550 through	05.609	Watchman	02.61	17
Trades and Services, n. e. c.	05.59	34	Watchman, Crossing	02.62	17
Traffic Engineering	46.x	77	Watch Manufacturing Occupations	04.72	27
Train Calling	05.42	33	Watches and Clocks (Manufacturing)	19.x38	50
Transit and Traffic Engineering	46.x	77	Water and Sanitary Services (Transportation, Communication, and other Public Utilities)	37.x20	70
Transportation	05.350 through	05.499	Water Transportation Occupation n. e. c.	05.49	33
Transportation	65.x	92	Waterworks	40.x91	72
Transportation Equipment Building, n. e. c. (except Automobiles and Aircraft)	05.05	30	Waterborne Transportation	65.x80	93
Transportation Equipment Manufacturing			Weaving Textile	04.15	21
	05.020 through	05.059	Weigher	01.45	14
Transportation Equipment (Manufacturing) (except Automobiles)	26.x10	58	Welding	04.85	28
Transportation Foreman	05.95	37	Wharf Tending	05.47	33
Transportation Miscellaneous, Industries and Service	65.x	92	Wheel Aliner	05.81	35
Transportation, n. e. c.	05.49	33	Wholesale Trade, Other	31.x40	64
Transportation, Warehousing and Storage (see Industry function 4 page 43.)			Winchman	05.73	35
Trapper	03.97	19	Wire Communication	51.x70	80
Trapping Guide	03.96	19	Wire Drawing Occupations	04.88	28
Travel Guide	02.36	19	Wire Products (Manufacturing)	18.x90	49
Treater, Petroleum	04.55	25	Wire Products Occupations	04.93	29
Truck Farmer	03.09	18	Wood chopping	04.30	22
Truck Operation	05.36	33	Wood Distillation and Naval Stores (Manufacturing)	17.x47	47
Tuner, Organ or Piano	05.10	31	Wood Industries	52.x64	82
Turbines and Engines (Manufacturing)	19.x51	51	Wood Mill Occupations	04.34	23
Turpentine Distillery Occupations	04.53	25	Wood Products, Miscellaneous (Manufacturing)	16.x69	46
Twine Manufacturing Occupations	04.19	21			

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Wood Technology (Forestry and Range Management) -----	91. x70	111	X-Rays and Crystallography -----	33. x50	67
Woodworking, General, n. e. c. -----	04. 33	23			
Woolen and Worsted Products (Manufacturing) -----	15. x68	45	Yardman -----	02. 04	16
Wrapping Occupations -----	05. 68	35			
Writing -----	87. x	105	Zoology -----	13. x40	41

