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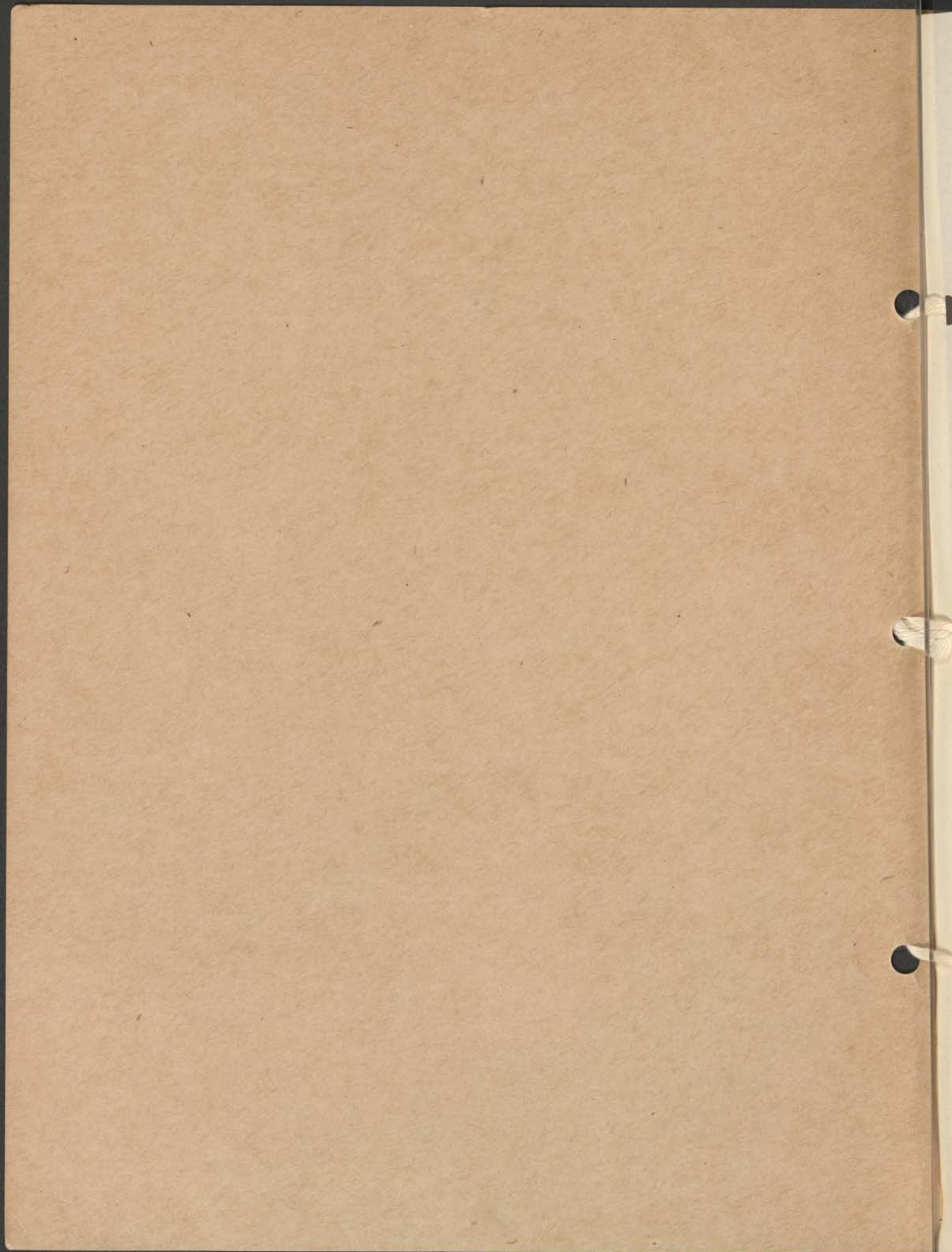
WAR DEPARTMENT TECHNICAL MANUAL

NON-CIRCULATING

CIVILIAN OCCUPATIONAL
CLASSIFICATION OF
ENLISTED PERSONNEL

WAR DEPARTMENT . 1 JULY 1944

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WAR DEPARTMENT TECHNICAL MANUAL

TM 12-426

This manual, together with TM 12-427, supersedes AR 615-26, 15 September 1942, including C 1, 30 January 1943; C 2, 22 April 1943; Memorandum W615-29-43, 11 March 1943; Memorandum W615-40-43, 11 April 1943; Memorandum W615-45-43, 13 May 1943; Memorandum W615-60-43, 17 July 1943; Memorandum W615-63-43, 24 August 1943; Memorandum W615-65-43, 26 August 1943; and AG letter 201.6 (18 Oct. 43) OC-A-EZ-MB-A, 1 November 1943.

CIVILIAN OCCUPATIONAL CLASSIFICATION OF ENLISTED PERSONNEL



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TM 12-426, Civilian Occupational Classification of Enlisted Personnel, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

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

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For explanation of symbols, see FM 21-6.



FOREWORD

This manual contains specification serial numbers, titles, and specifications for all enlisted personnel civilian occupational specialties currently classified.

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Section I

Introduction to Civilian Occupational Classification

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1. PURPOSE. This manual provides a method of classifying enlisted personnel according to civilian occupational experience and skill. The accurate classification of enlisted personnel is essential to—

- Procurement and assignment on the basis of specific abilities.
- Appropriate selection of enlisted personnel for special technical training.
- Efficient wartime requisitioning of qualified enlisted personnel.
- Insure maximum utilization of civilian education, experience, and skills.
- Orderly demobilization and return of enlisted personnel to gainful civilian employment.

2. CIVILIAN OCCUPATIONAL SPECIALTY AND SPECIFICATION SERIAL NUMBER.

a. Definition of a Civilian Occupational Specialty—

(1) No single criterion has been followed in determining what constitutes a job classification. For some it is the duties of the jobs; for others the industrial surroundings or circumstances in which the job exists.

(2) The determining factor in establishing a job classification on the basis of duties performed may be the machines operated, the articles produced, the material worked with, the machine attachments used or other considerations. However, the general principle followed throughout is that jobs that require the same

experience, techniques, or abilities on the part of the worker are classified together.

(3) For military purposes, therefore, a civilian occupational specialty may be defined as a group of related duties and responsibilities normally requiring the same kind of special knowledge and skills acquired through training, experience, or education.

b. Identification of a Civilian Occupational Specialty. In order to facilitate easy reference and to insure exactness and uniformity, each civilian occupational specialty is identified by a separate job classification title and a specification serial number (SSN).

3. ORGANIZATION AND USE OF JOB SPECIFICATIONS.

a. Basis for Job Specifications. The civilian occupational specialties in this manual were determined and selected by an analysis of civilian occupations which have—

- A direct military counterpart.
- No direct military counterpart but an indirect and useful conversion to military jobs.
- No direct or indirect military counterpart but representing a high frequency of occurrence in civilian life.

b. Organization of a Job Specification. The following elements are embraced in civilian job specifications:

- A descriptive job classification title consistent with other titles.

(2) A specification serial number (SSN).

(3) "Dictionary of Occupational Titles"* code number. The Dictionary of Occupational Titles code number most applicable to the civilian occupational specialty has been used. In cases where the civilian occupational specialty covers two or more Dictionary of Occupational Titles codes, a grouping code has been used.

(4) Related jobs. Where a civilian occupational specialty is known by other titles established by common practice or usage, or is closely related to other jobs in civilian life, related job titles which show the scope of the specialty are indicated. Ordinarily, only the main title and specification serial number will be entered on the Soldier's Qualification Card W.D., A.G.O. Form No. 20. However, where a related title more readily identifies the specialty, the related title will be listed in parentheses after the main title.

(5) The job description consisting of—

(a) A summary statement of the predominant duties.

(b) Typical tasks normally falling within the occupational specialty.

(c) A statement of special qualifications indicating knowledge and skills required for adequate performance of the specialty.

(d) Where applicable, a list of tools and equipment used.

(e) Where necessary, education or experience requirements.

(6) Suggested Military Occupational Assignment.

(a) *Group I.* A list of suggested military occupational specialties (MOS) to which the civilian occupational specialist may be converted with a minimum of military training necessary for familiarization with military methods and equipment, and showing the Arms or Services in which the specialties are most commonly found, is indicated. The Arms and Services are suggested only in those branches wherein quantity assignments are made, and not in cases where occasional specialists are required. For more specific and detailed information regarding assignments to Arms or Services, the Requirement and Replacement Rate Tables (W615-70-43) should be consulted.

(b) *Group II.* This group contains a list of military occupational specialties to which the civilian occupational specialist is not directly convertible, but in which ultimate conversion will require additional military training and

experience. These lists are not exhaustive but are merely a representative group of suggested assignments.

4. INTERPRETATION AND USE OF JOB SPECIFICATIONS.

a. Interpretation of the Job Description.

The job descriptions in this manual are intended for use as a guide to interviewing and proper classification. Each is a condensed presentation of the job factors characteristic of the civilian occupational specialty. In very general terms, it describes the kind of work involved and is intended not to describe completely and specifically all the duties, but only to indicate the range or scope of the civilian occupational specialty. Due to variations in procedure and organization in private and public enterprise, they do not permit literal and strict application. However, educational requirements, where specified, should be observed.

b. *Use of Principal Title and Specification Serial Number.* In order to assure the maximum use of civilian occupations, experience and training, every effort should be made to classify civilian occupations under an appropriate Principal Title and Specification Serial Number, because each job then is immediately identifiable by a descriptive title or SSN. The determination of which classification is to be used depends upon the sound judgment of the classification personnel using this manual in addition to following the instructions outlined in section VI, TM 12-425 (when published).

c. *Use of Related Job Titles.* Related job titles appearing in the index may be used to locate the principal title and SSN under which related occupations will be classified. Recording of related titles on the Soldier's Qualification Card, W.D., A.G.O. Form No. 20, will be confined to situations indicated in paragraph 3b(4).

d. *Use of Specification Serial No. 010, Not Elsewhere Classified.* (1) If an appropriate title cannot be located in TM 12-426 record the title as listed in the Dictionary of Occupational Titles. If an appropriate title cannot be located in either TM 12-426 or the Dictionary of Occupational Titles enter a suitable descriptive title for the occupation. Where a Dictionary of Occupational Titles title is used or where, in lieu of such title, a suitable descriptive title is used, the industry in which the soldier was employed may be indicated, in parentheses, after such titles, if considered necessary for

* Dictionary of Occupational Titles, U. S. E. S., United States Department of Labor, Government Printing Office, Washington, D. C., 1939.

clarity. Job titles not found in TM 12-426 or the Dictionary of Occupational Titles will be followed by the letters n.e.c., in parentheses, representing "not elsewhere classified," as "(n.e.c.)." SSN 010 will be appropriately recorded on W.D., A.G.O. Form No. 20. The SSN 010 does not represent a civilian occupational specialty. It is a number established to control and group those civilian occupations which are not classifiable in this manual. It should never be used until an exhaustive search has been made to find a civilian occupational specialty under which the civilian occupation will fit, even though the title by which the job was identified in civilian life is different, or the duties performed do not conform identically to those described under the listed title.

(2) A survey of Soldier's Qualification Cards from reception centers indicated that a very high percentage of the enlisted men classified with the Specification Serial No. 010 (not elsewhere classified) had occupational specialties which should have placed them under listed specialties, but who were classified 010 merely because the title was not exactly as shown in regulations, or because their qualifications did not completely conform to the description in the regulation.

(3) As an example, a soldier was given the title of "Routeman," and the Specification Serial No. 010, even though performing the duties of routeman necessitated the daily driving of a light truck. This man should have been classified as Truck Driver, Light—345. The fact that the delivery of merchandise was part of the work performed should not have influenced the interviewer to refrain from classifying the soldier as a 345, Truck Driver, Light.

5. DETERMINATION OF MAIN (MCO) AND SECOND BEST CIVILIAN OCCUPATIONS. (See sec. VI, TM 12-425). The Soldier's Qualification Card W.D., A.G.O. Form No. 20 provides for the recording of the main and, where applicable, the second best occupations. In determining main (MCO) and second best occupations, consideration should be given to—

a. Interview information such as education, type of work, job training, recency of experience, number of years employed and wages.

b. Degree of skill. Civilian occupational specialists are rated, where appropriate, either as skilled or semiskilled as follows:

(1) *Skilled (SK)*. If the enlisted man was able to perform the duties of his occupation

without supervision beyond that inherent in the job itself.

(2) *Semiskilled (S-SK)*. If the enlisted man performed similar civilian duties but required direct and immediate supervision.

c. As an aid in determining the main and second best occupations and the degree of skill involved, use should be made of available trade tests.

6. USE OF SUGGESTED MILITARY ASSIGNMENTS.

a. *By Reception Centers.* The military occupational specialties and the arms or services suggested with the job specification may be used in making recommended assignments and substitutions and in filling requisitions from reception centers. In this connection, reference should be made to Replacement and Requirement Rate Tables (W615-70-43), and TM 12-427.

b. *By Replacement Training Centers, Replacement Depots, and Field Units.* The military occupational specialties suggested with the job specifications may be used by RTC's and other appropriate organizations in making assignments to training commensurate with civilian skills. Replacement Depots may use these data in making substitutions for filling requisitions where enlisted men with the required MOS's are not available. Field Units may use it in filling Table of Organization vacancies on unit activation or when filler replacements come direct from reception centers.

7. USE OF THE ALPHABETICAL INDEX.

a. The index (sec. IV) to this manual contains a complete cross-index of the civilian occupation specialties. It contains—

(1) *Principal titles.* These are descriptive titles in capital letters and are the exact designations found in sections II and III. Except for those cases where a related title will be recorded in parentheses together with the principal title, the Soldier's Qualification Card, W.D., A.G.O. Form No. 20, will reflect only the principal or main title. Titles in which "OR" is found indicate that either word may be used in recording the principal title. For example, MEAT OR DAIRY INSPECTOR, 120, would be entered either as MEAT INSPECTOR, 120, or DAIRY INSPECTOR, 120, or MEAT OR DAIRY INSPECTOR, 120, if qualified for both.

(2) *Related titles.* These are descriptive titles listed in lower case letters with initial capitals. These titles are included in order to facilitate

location of the civilian occupational specialties (principal or main titles) to which they refer.

(3) *Cross-index titles.* The cross-index titles, also listed in lower case letters with initial capitals, are rearrangements of principal and related titles and provide for easy location of civilian occupational specialties when the exact principal or related titles are not known.

b. A title cannot be completely descriptive of a specialty. It is important, therefore, that reference be made to the content of the specification before a specification serial number and title are selected.

8. SUGGESTED CHANGES, CORRECTIONS, OR REVISIONS OF CIVILIAN OCCUPATIONAL SPECIALTIES. In order to maintain this manual, additions, changes, corrections, and revisions may be required from time to time. The cooperation of classification officers is essential in keeping subject matter in this manual current with military requirements. In order to insure careful consideration of changes, it is requested that information be furnished The Adjutant General, Classification and Replace-

ment Branch, Washington 25, D. C. (thru channels), in accordance with the following form:

Subject: Suggested Changes in Civilian Occupational Specialties (TM 12-426).

Enlisted Man's Civilian Occupational Specialty

1. JOB TITLE:

Dictionary of Occupational Titles Code (if known)

2. JOB ANALYSIS OF CIVILIAN OCCUPATIONAL SPECIALTY INCLUDING:

a. *Duties performed.* (State in detail, explaining specifically what, how, when, and why, and the tools, equipment, and materials used)

b. *Job knowledge and skill required.* (State in detail the techniques, abilities, dexterity, accuracy (speed, tolerances), special training, and other characteristics involved)

3. Arms or services in which civilian occupational specialty is useful, and reasons

4. Military occupational specialties to which job may be converted and military training required

Section II

Numerical List of Civilian Occupational Specialties

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020	BAND LEADER	0-24.25	17
021	MUSICIAN, INSTRUMENTAL	0-24.12	17
022	BARBER	2-32.01	17
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025	HAMMERSMITH	4-86.120	18
026	TOOL DRESSER	5-84.010	18
027	BLASTER OR POWDERMAN.....	5-74.000	18
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037	MEAT CUTTER	5-58.100	20
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044	CANVAS COVER REPAIRMAN.....	6-27.814	22
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049	PACKER, SUPPLIES	5-37.100	22
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Section III

Specifications for Civilian Occupational Specialties

PHOTOGRAPHER, AERIAL

(0-56.01) 001

Takes photographs from airplane in flight for news or scientific purposes, the resultant photographs usually being assembled into complete terrain maps or mosaics.

Takes either still or motion pictures from the air.

Operates, installs, and maintains one or more types of aerial cameras. Should have knowledge of laboratory processing of motion picture and still films.

Suggested Military Assignment:

Group I. 004 Aerial Phototopographer (AAF, CE)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

940 Aerial Photographer (AAF)

Group II. 043 Cameraman, Motion Picture (AAF, Sig C)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

AERIAL PHOTOTOPOGRAPHER

(0-48.26) 004

Photo-Cartographer Photogrammetrist

Uses a stereocomparagraph in constructing topographical maps from aerial photographs, and assembles controlled and uncontrolled mosaics.

Constructs tables and graphs by means of algebraic and trigonometric formulas to make calculations for correction of distortion of photographs and stereoscopic displacement. Prepares and mounts photographs. Makes a planimetric map and adjusts drawing attachment to the instrument to register on it. Follows up each contour line by moving instrument over the photographs, keeping the floating marks superimposed, the drawing attachment making the corresponding line on the map.

Constructs projections upon which mosaics are assembled.

Suggested Military Assignment:

Group I. 004 Aerial Phototopographer (AAF, CE)

076 Draftsman, Topographic (AAF, Arm'd Comd, Cav, CE Inf, QMC, TC)

387 Cartographer (CE)

Group II. 243 Geodetic Computer (AAF, CE)

940 Aerial Photographer (AAF)

BRAKE INSPECTOR, RAILWAY

(5-76.020) 005

Journal Inspector Railroad Car Inspector

Inspects railway brakes, brake equipment and complete car assembly for needed repairs.

Inspects car roofs, ice hatches, brake beams, doors, floors, couplings, wheels, and journal boxes.

Tags cars for needed repairs and submits written reports on condition of each car.

Suggested Military Assignment:

Group I. 048 Car Mechanic, Railway (TC)

Group II. 112 Locomotive Mechanic (TC)

AIRPLANE ENGINE MECHANIC

(5-80.130) 006

Airplane Engine Service Propeller Mechanic Mechanic

Inspects, services, repairs, and overhauls airplane engines to insure efficient operation.

Examines engines in operation to detect sounds indicative of malfunctioning. Replaces worn or damaged parts, such as cylinders and carburetors, while engines are mounted in airplanes. Removes engines from airplanes, disassembles them and checks parts for wear, warping, or other defects. Reassembles and reinstalls engines. Fits bearings, grinds and adjusts valves, fits piston rings, and times ignition units.

Must have license from Civil Aeronautics Authority in aircraft engine mechanics or have the equivalent in practical experience.

Suggested Military Assignment:

Group I. 684 Airplane Power Plant Mechanic (AAF)

747 Airplane and Engine Mechanic (AAF, FA)

748 Airplane Mechanic-Gunner (AAF)

Group II. 660 Tank Mechanic, Minor Maintenance (Armd Comd, FA, Ord Dept, TD)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

AIRPLANE FABRIC AND DOPE

WORKER (5-03.030) 007

Lays out, cuts, sews, and treats airplane fabric to cover new or damaged airplane control surfaces or fuselage.

Covers or patches airplane surface with fabric, using sewing machine or needle and thread. Applies paint and dope with brushes or spray gun to form weatherproof surface. Sands intermediate coats of dope, applies silver or aluminum primer over dope, and applies a final color coat.

Should know how to make paper templates and use them in cutting and fitting canvas envelopes over wings and fuselage.

Suggested Military Assignment:

Group I. 548 Fabric and Dope Mechanic (AAF)

Group II. 609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

AIRPLANE AND ENGINE MECHANIC

(5-80.100) 008

Flight Mechanic Hydraulic Mechanic

Aerial Engineer Airplane Inspector

Hanger Mechanic Aircraft Mechanic

Power-Brake-Unit Repairman

Inspects, repairs, adjusts, and cleans airplanes and airplane engines.

Makes preflight and periodic inspections. Examines critical parts of airplanes such as electric, control, and hydraulic systems, undercarriage, brakes, motors, propeller, and landing gear for evidence of damage or wear such as cracks, bent or broken members, and looseness.

Operates controls in cockpit to check operation and alignment of flight control system. Corrects tension of control cables and makes other adjustments. Replaces worn control cables.

Suggested Military Assignment:

Group I. 684 Airplane Power Plant Mechanic (AAF)

747 Airplane and Engine Mechanic (AAF, FA)

748 Airplane Mechanic-Gunner (AAF)

Group II. 660 Tank Mechanic, Minor Maintenance (Armd Comd, FA, Ord Dept, TD)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

NOT ELSEWHERE CLASSIFIED 010

This specification serial number is to be used only for those civilian occupations which cannot be classified under another civilian title and specification serial number.

This specification serial number is never to be used until exhaustive search has been made to find a listed title under which the civilian occupation described will fit, either actually or potentially.

The fact that the title by which the job was known in civilian life is different, or that the work performed does not conform identically to the description in the listed specification, or that the listed specification only describes a part of the job performed, should under no circumstances prevent classification of the occupation under a specification which will permit location of occupational qualifications.

GUNSMITH (5-83.540) 011

Armorer Gun Repairman

Repairs, designs, alters, and makes firearms.

Replaces and adjusts gun sights. Reduces size of gunstocks by sawing stock and refitting to gun. Replaces and repairs gunlock parts. Makes new parts on lathe, shaper, or other metalworking machines. Rebores gun barrels on a boring machine.

May design new guns, laying out plans on paper and calculating trajectories, and sight positions by algebra, plane geometry, or simple mathematics. May make new guns, machining metal parts on lathes, shapers, and other machines, and cutting and shaping stock with various hand and machine woodworking tools.

Suggested Military Assignment:

Group I. 511 Armorer (Any arm or service)

903 Small Arms Weapons Mechanic (AAF, Ord Dept)

911 Airplane Armorer (AAF)

ELECTRICIAN, AUTOMOTIVE

(5-81.420) 012

Generator Repairman Starter Repairman
Ignition Man

Installs, tests, and repairs ignition systems,

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starters, coil and panel instruments, wiring, and other automotive electrical equipment.

Diagnoses malfunctioning by visual inspection or by use of such testing devices as voltmeters, ammeters and resistance meters, checking such elements as timer, distributor, terminals, induction coils, battery, generators, brushes, fuses, and wiring system. Disassembles starters, generators, and distributors, and repairs and replaces worn and defective parts such as rotor cams, breaker plates, distributor shafts and gears, brushes, commutators, armatures, and field coils. May rewind burnt-out armatures.

Should have knowledge of the theory and principles of electricity and Ohm's law including construction and operation of automotive ignition and lighting systems.

Suggested Military Assignment:

Group I. 912 Electrician, Automotive (AAF, CE, Ord Dept)

Group II. 304 Electric Motor Repairman (CWS, CE, Ord Dept, TC)

338 Instrument Repairman, Electrical (CE, Sig C, Ord Dept)

413 Motor Inspector (Armd Comd, Ord Dept)

DIESEL MECHANIC (5-83.931) 013

Repairs and replaces worn and defective mechanical and electrical parts of Diesel engine to restore them to satisfactory operating condition.

Diagnoses trouble by visual inspection or by testing and checking such elements as ignition, fuel injectors, fuel pumps and starting systems using compression gauges, tachometer, and feeler gauges.

Uses such tools and equipment as screw drivers, hammers, pliers, various size straight, open end and socket wrenches, pullers, reamers, lops, drills, gauges, arbor press, drill press and valve grinders to disassemble, repair, or replace worn and defective parts.

Must be thoroughly familiar with construction and operation of Diesel engines and accessory equipment.

Suggested Military Assignment:

Group I. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

Group II. 905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

AUTOMOTIVE MECHANIC

(5-81.010)

014

Bus Mechanic

Brake Repairman

Garage Man

Repairs broken, worn, or damaged mechanical and electrical parts of automobiles and trucks to restore equipment to satisfactory operating condition.

Restores mechanically defective vehicles to service by replacing or adjusting broken, worn, or defective parts such as gears, shafts, and bearings. Overhauls vehicle by disassembling such separate parts of vehicle as motor, carburetor, ignition, differential, transmission, and steering gear. Replaces worn or broken parts, reassembles the pieces in their respective places, lubricates all moving parts, making precision adjustments for alignment and clearances. Test-operates vehicle to verify effectiveness of repairs.

Uses pliers, screw drivers, open-end, socket, ratchet and straight wrenches, gauges, punches, hand and electric drills, taps, reamers, grinders, and valve refacing machine.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

138 Motorcycle Mechanic (Ord Dept)

319 Construction Equipment Mechanic (CE, FA, Ord Dept)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

906 Mechanic, Chassis, Wheel Vehicle (Ord Dept)

908 Mechanic, Chassis, Track Vehicle (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

Group II. 413 Motor Inspector (Armd Comd, Ord Dept)

747 Airplane and Engine Mechanic (AAF, FA)

912 Electrician, Automotive (AAF, CE, Ord Dept)

926 Mechanic, Fuel Induction (AAF, CE, Ord Dept)

LABORATORY TECHNICIAN, V-MAIL

OR MICROFILM (1-25.92) 016

Recordak Operator

Operates microfilm equipment or directs the work of a microfilm processing laboratory in which negatives are developed and paper prints are made by projection.

Photographs documents in microfilm machine and processes negatives through chemical solutions. Makes paper prints from negatives, using a continuous enlarger or still projector. Processes paper prints through chemical solutions and dries prints on a drying drum.

Must have thorough knowledge of the mechanical equipment and procedures used in the operation of a microfilm station. Should have thorough knowledge of photographic processing, and be able to judge whether film and paper being processed are of proper quality.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

BAKER (4-01.400) 017

Bread Man Ovenman

Bakes bread, rolls, biscuits, cookies, pastry, and pies.

Measures and mixes materials using an electrically-powered mixing machine, or kneading by hand. Cuts dough into uniform portions with dough knife. Shapes dough into loaves, places loaves in grease pans, and places pans in oven. Manipulates drafts or thermostatic controls to regulate oven temperature.

Removes bread or pastries when properly baked. Prepares fillings, and decorates cakes with icings.

Must have experience in quantity baking.

Suggested Military Assignment:

Group I. 017 Baker (AAF, MD, QMC)

060 Cook (Any arm or service)

BAND LEADER (0-24.25) 020

Bandmaster Music Director
Conductor Orchestra Leader

Directs rehearsals and conducts public performances of an orchestra or band.

Selects and arranges musical compositions to be played and trains groups in proper renditions. Directs or leads group by means of facial expression, hand, and baton. Keeps time and signals changes in tempo. Selects, instructs, and trains musicians. Arranges location of musicians to harmonize various musical elements into a unified whole. Should be able to arrange orchestrations.

Must have experience as leader of band or orchestra and should have music school training.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service). Appropriate bandsman, depending on instrument played (Any arm or service)

MUSICIAN, INSTRUMENTAL

(0-24.12) 021

Accompanist Pianist
Harpist Violinist
Organist

Plays a musical instrument such as the violin, viola, piano, or organ in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

This specification and SSN applies to all musicians playing instruments other than those listed below.

020 Band Leader	436 Bandsman,
175 Bandsman, Oboe	Euphonium or
176 Bandsman, Bassoon	Baritone
432 Bandsman, Clarinet	437 Bandsman, Flute or Piccolo
433 Bandsman, Cornet or Trumpet	438 Bandsman, French Horn
434 Bandsman, Bass Drum	439 Bandsman, Saxophone
435 Bandsman, Snare Drum	440 Bandsman, Trombone
	441 Bandsman, Tuba

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

BARBER (2-32.01) 022

Hair Specialist Beautician
Hairdresser Beauty Operator

Cuts, shampoos, and dresses hair of men or women.

Massages scalp and face, treats scalp, removes superfluous hair from eyebrows, nostrils, and ears. Shaves and trims beards and mustaches.

May remove ingrown hairs from face and neck. May give permanent waves, marcel, and finger waves.

Must understand barber shop sanitation.

Suggested Military Assignment:

Group I. 022 Barber (Any arm or service)

BLACKSMITH (4-86.010) 024

Anglesmith Wagonsmith

Forges metal articles and parts for the building, repairing, or manufacturing of equipment

Sec. III

such as automobiles, frames, axles, springs, general machinery, wagons, wheels, and chains.

Makes medium and light machine and hand forgings, using either coal or coke forge. Does oil and water tempering, air hardening, and tool dressing. Operates furnaces and quenching and drawing tanks for heat treatment of tools, springs, and other forgings. Forging operations include drawing, bending, twisting, punching, and welding.

May use light steam or power hammer for heavy forgings. May use acetylene or electric arc welding torch in repairing broken machine parts. May read and interpret blueprints or rough sketches of mechanical drawings. May work from models and templates.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

Group II. 030 Boilermaker (TC)

094 Horseshoer (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

256 Welder, Combination (Any arm or service)

HAMMERSMITH (4-86.120) 025

Drop-Hammer Operator Trip-Hammer
Heavy Forger Operator

Forms various metal articles by heating and hammering.

Heats billets of partially shaped blanks on forge. Shapes billets and blanks with drop hammers and power presses for heavy crank shafts, connecting rods, axles, and other large or complex metal objects.

Uses anvil, furnace, drop-hammers, and power presses.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

TOOL DRESSER (5-84.010) 026

Blacksmith, Tool Drill Dresser
Chisel Grinder Tool Sharpener

Sharpens and tempers tools by heating in a forge and hammering the cutting edges to desired shape on an anvil or in a die.

Heats such tools as picks, mattocks, and rock drills. Places heated rock drills into die space of compressed air or steam driven machine and starts hammering action of die which shapes cutting edge. Places tools such as picks or mattocks on an anvil and hammers cutting edges

into desired shape. Tempers drills and tools by heating in forge and quenching in water, brine, or oil.

Uses hammers, chisels, furnaces, anvils, and drill sharpeners.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

Group II. 094 Horseshoer (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

BLASTER OR POWDERMAN

(5-74.000)

027

Charge Man Dynamite Man
Dobie Man

Blasts coal, ore, or rock loose from solid mass by charging, tamping, and setting off charges of explosives for such purposes as quarrying, road building, excavating, dobie shooting, or demolition.

Inserts cartridges of explosive in holes. Places primer, cartridge of explosive equipped with a blasting cap and fuse at proper depth in hole to produce most effective blast. Compacts charge by tamping it with a wooden or copper tamping rod. Inserts clay, rock dust, fine sand, or other material in holes over charges and tamps tightly. Splits ends of fuses with a knife or connects wires to blasting battery or machine. Lights or sets off charges by match or electricity, using the blasting battery or machine.

Suggested Military Assignment:

Group I. 533 Demolition Specialist (AAF, CE).

656 Submarine Mine Loader (CAC)

729 Pioneer (Cav, CE, Inf, TD)

901 Munitions Worker (Any arm or service)

BLUEPRINTER OR PHOTOSTAT

OPERATOR (5-86.310) 028

Operates and services blueprint or photostat machines used to reproduce maps, charts, communications, or other graphic matter.

Places material to be copied in frame beneath lens, adjusts illumination, places photographic paper in machine, times exposure, and operates machine to develop prints. Dries and trims copies.

Suggested Military Assignment:

Group I. 028 Blueprinter or Photostat Operator (TC)

BOILER INSPECTOR (5-76.910) 029**Boilerhouse Inspector**

Inspects steam boilers to insure safety of operation and to locate leaks and defective parts.

Examines boilers, valves, steam connections, and pressure gauges to locate defects. Determines necessary repairs and notifies repair crew. Supervises boiler and tube cleaners in cleaning boilers.

Inspects completed job and notifies worker in charge of boilerhouse when boilers are ready for operation.

Suggested Military Assignment:

Group I. 030 Boilermaker (TC)

Group II. 201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)

555 Airplane Sheet Metal Worker (AAF)

BOILERMAKER (4-83.100) 030**Boiler Erector****Boilermaker, Layer-out****Boiler Repairman****Boiler-Shop Mechanic**

Fabricates and assembles boilers, tanks, vats, and other vessels made of heavy steel plates.

Lays out work, cuts plates to size and shape, and punches holes for rivets or bolts. Bends angle irons or plates to desired radius. Forms flanges on plates, and forms concave plates for boiler or tank heads. Assembles headers, tubes, baffle plate, and other parts, and rivets or welds them together.

Calks seams and rivet heads, chips burrs from plate edges, fastens boiler tubes or flues into headers, and expands tube ends with an expanding tool. Patches, rebuilds, or replaces such parts as fire boxes, flue sheets, and flues in locomotive boilers, air and water tanks, and coal hoppers. Inspects, tests, and examines boilers to determine adequacy of repairs and fitness for service.

Uses tools and equipment such as air hammer, air and electric drill, oxyacetylene cutting and welding equipment, lay-out tools, nibbler, punches and shears, pneumatic riveters and grinders, swaging and expanding machinery, and boiler test apparatus.

Suggested Military Assignment:

Group I. 030 Boilermaker (TC)

Group II. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)

256 Welder, Combination (Any arm or service)

BRAKEMAN, RAILWAY (5-38.010) 033**Brakeman, Passenger Train****Brakeman, Yard****Brakeman, Road Freight****Flagman**

As a member of a railroad train crew, receives and transmits signals to locomotive engineer relative to train movement.

Signals locomotive engineer to stop or move train. Throws track switches at points where no switch tender is stationed. Couples and uncouples cars to make and break up trains. Stakes flags and flares in front and rear of trains in emergencies.

Equipment includes railroad flares, flags, and lantern.

Must be familiar with railroad operating and safety rules, semaphore signals, time tables, and train orders. Must be familiar with the principles of air brake operation.

Suggested Military Assignment:

Group I. 033 Brakeman, Railway (TC)

058 Conductor, Railway (TC)

BRICKLAYER (5-24.010) 034**Block Setter****Chimney Builder****Brickmason****Concrete Block Mason**

Lays brick, tile, terra-cotta or other building blocks to construct walls, arches, chimneys, fireplaces, and other masonry structures.

Binds and lays brick or tile in courses by imbedding in layer of mortar or cement and checking vertical and horizontal alignment of wall with spirit level and plumb bob. Cuts bricks, tile, or blocks with bricklayer's hammer, or with hammer and chisel to provide various size material as needed. Shapes mortar joints between courses with jointer or trowel point.

May clean finished wall with wire brush or acid to remove excess cement or mortar.

Suggested Military Assignment:

Group I. 034 Bricklayer (AAF, Ord Dept, TC)

214 Stonemason (CE, TC)

CARPENTER, HEAVY CONSTRUCTION

(5-25.260)

035

Bridgeman**Tunnel Carpenter****Dock Builder****Bridge Builder****Timberman****Bridge Carpenter**

Performs a variety of carpentry tasks in connection with the construction and repair of bridges, docks, tunnels, and other heavy construction.

Builds trestles, supports for bridge forms, and cofferdams. Repairs and replaces piles and

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stringers. Erects and installs guard rails. Builds braces and planks floors.

Should be able to read blueprints and drawings.

Suggested Military Assignment:

Group I. 035 Carpenter, Heavy Construction (CE, TC)

050 Carpenter, General (Any arm or service)

202 Carpenter, Ship (CE, TC)

Group II. 046 Car Carpenter, Railway (TC)

121 Utility Repairman (Any arm or service)

BRIDGE INSPECTOR (5-76.010) 036

Inspects railroad bridges, trestles and culverts by observing, examining, and testing structures to insure safe passage of rolling stock.

Observes surface and line of bridges and proper relation of one member of structure to another. Examines bridge, trestle, and culvert members for defects. Examines wooden structures for rotten and broken members, such as piles, caps, stringers, and ties. Examines steel structures for broken or damaged members such as girders, angle braces, floor beams, and lateral braces. Examines condition of bridge foundation observing settlement and scouring. Tests for rot in wooden structures by prodding with steel bar. Tests steel structures for deterioration and fractures by observation of rust areas and members under strain. Reports conditions requiring attention, giving estimates of material, equipment, and personnel required to make repairs.

Must know bridge nomenclature. Must have knowledge of standard bridge construction.

Suggested Military Assignment:

Group I. 035 Carpenter, Heavy Construction (CE, TC)

050 Carpenter, General (Any arm or service)

059 Foreman, Construction (AAF, CE, TC)

MEAT CUTTER (5-58.100) 037**Butcher**

Separates carcasses into standard cuts, or cuts meat to prescribed sizes and weights, using knife, saw, and cleaver.

Cuts, trims and removes bones to prepare meat for frying, roasting or broiling. Chops or grinds meat, using a hand or electrically powered meat grinder. Cleans fish and poultry.

May suggest various cuts of meat to customers and indicate best manner to cook them.

Suggested Military Assignment:

Group I. 037 Meat Cutter (AAF, MD, QMC)

Group II. 060 Cook (Any arm or service)

CABINETMAKER (4-32.100) 038

Cabinet-frame Assembler Top-bench Hand Carpenter, Bench

Performs hand carpentry to cut, shape, and assemble prepared parts of articles of furniture such as store fixtures, office equipment, and home furniture.

Studies drawing of article to be made. Lays out outline or dimensions of parts on paper or lumber. Cuts, shapes, and assembles parts into units using hand tools such as plane, chisel, saw and wood file. Glues joints, and clamps parts together until glue is dry. Drives nails, screws, or dowels through joints to reinforce them. Finishes surfaces of article with sand paper and hand scrapers. Stains, shellacs, varnishes and paints articles. Operates hand saws, jointers, mortiser, tenoner, molder, and grainer.

Should be able to read drawings and lay-out outlines and dimensions.

Suggested Military Assignment:

Group I. 046 Car Carpenter, Railway (TC)

050 Carpenter, General (Any arm or service)

113 Woodworking Machine Operator (CE)

Group II. 148 Pattern Maker, Wood (CE)

CABLE SPLICER, TELEPHONE AND TELEGRAPH (5-53.950) 039

Electrician, Cable Splicing

Splices or repairs multiple conductor cable used in a communication system.

Opens cable, exposing wire for the splice. Unwinds alternate layers of jute and steel stripping or rubber. Splices wire and insulates splices by drying out moisture with desiccant and wrapping with muslin. Covers splice with lead sleeve. Tests sheath by means of gas or air under pressure, and tests conductors for continuity by means of a buzzer system or other test instruments.

Uses variety of tools, including lineman's belt, safety belt, climbing spikes, soldering iron, chipping knife, hammer, 20-C tone amplifying test set, hack saw, wood mallet, gasoline burner, pliers, and wire cutters.

Suggested Military Assignment:

Group I. 039 Cable Splicer, Telephone and Telegraph (AAF, Sig C)

- Group II.* 165 Lineman, Power (CE)
 238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)
 641 Field Lineman (CAC, CE, CWS, FA, Inf, Sig C)

AUTOMOBILE BODY REPAIRMAN

(5-81.510) 040

Body and Fender Man Dingman
 Dent Remover Metal Man

Removes dents in metal bodies and fenders by hammering with ding hammer and block.

Smooths area with portable disk grinder, fills dented areas with solder and files area until smooth so that it will blend with adjacent surface when painted. Replaces badly damaged fenders with new ones.

Uses acetylene or electric arc welding equipment to weld breaks in body metal. Files or grinds weld to conform with adjacent area.

May paint repaired area, using spray gun or brush.

Suggested Military Assignment:

- Group I.* 201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
 256 Welder, Combination (Any arm or service)
Group II. 061 Coppersmith (TC)
 144 Painter, General (Any arm or service)
 555 Airplane Sheet Metal Worker (AAF)
 906 Mechanic, Chassis, Wheel Vehicle (Ord Dept)

CABLE TESTER, TELEPHONE AND

TELEGRAPH (5-53.340) 041

Makes tests and clears trouble on cables of telephone and telegraph circuits.

Climbs unstepped poles and rides cable strand from pole to pole in a cable car. Makes tests to locate cable trouble using a Wheatstone bridge. Tests new or repaired cable, making insulation tests, capacity unbalance tests, electrolytic tests, and tests for the correctness of cable loading, using standard test sets.

Interprets cable diagrams, charts, and other instructions.

Suggested Military Assignment:

- Group I.* 039 Cable Splicer, Telephone and Telegraph (AAF, Sig C)
 165 Lineman, Power (CE)
 238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

- 261 Wire Chief, Telephone and Telegraph (AAF, Sig C, TC)
 641 Field Lineman (CAC, CE, CWS, FA, Inf, Sig C)

CAMERA REPAIRMAN (5-83.901) 042

Camera Repairman, Motion Picture
 Camera Repairman, Still Camera
 Machinist, Camera

Repairs and adjusts all types of cameras and photographic accessories such as lenses, distance meters, shutters, light meters and enlarging equipment.

Adjusts lenses for proper focus. Tests cameras for light leaks and repairs defective bellows. Checks and adjusts distance meters on known distances. Repairs and adjusts shutter operation and timing. Cleans, adjusts, and makes parts replacement on enlargers. May make replacement parts.

Uses precision tools such as micrometer, small pliers, screw drivers, and tweezers.

Suggested Military Assignment:

- Group I.* 042 Camera Repairman (AAF, Sig C)
Group II. 098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)
 511 Armorer (Any arm or service)

CAMERAMAN, MOTION PICTURE

(0-56.41) 043

Operates a motion picture camera for a news syndicate or motion picture production organization.

Determines lenses to be used and angles at which photographing is to be done. Adjusts and focuses camera. Places film magazine on camera and threads film over sprockets. Surveys and inspects general effect of complete stage setting. Makes changes in lighting to enhance and emphasize the salient features of animate and inanimate objects. Turns on motor switch, looks through view finder and follows the scene of action, moving camera by hand.

Should know the fundamentals of cutting and editing motion picture film.

Suggested Military Assignment:

- Group I.* 043 Cameraman, Motion Picture (AAF, Sig C)
 131 Film Editor, Motion Picture (Sig C)
 152 Photographer (AAF, CE, CMP, CWS, Sig C)
 285 Cameraman, Animated Motion Picture (Sig C)
Group II. 940 Aerial Photographer (AAF)

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CANVAS COVER REPAIRMAN

(6-27.814)

044

Canvas Worker Tent and Awning Repairman

Repairs all types of canvas equipment, such as seat covers, awnings, tents, boat sails, tarpaulins, and gun and truck covers.

Sews, patches, and darns, using needle and thread or sewing machine. Lays out canvas and cuts off lengths, using shears or electric cutting machine. May hand sew grommets, using mallet, punch, and hardwood block. Sews galvanized iron ring to the edge of the hole, using a sail-maker's palm, needle, and linen thread. Attaches ropes and metal fittings to canvas by hand sewing.

Suggested Military Assignment:

Group I. 044 Canvas Cover Repairman (QMC)

Group II. 200 Sewing Machine Operator (QMC)

548 Fabric and Dope Mechanic (AAF)

609 Leather and Canvas Worker (AAF, CWS, Ord Dept, QMC)

CAR CARPENTER, RAILWAY

(5-79.020)

046

Carman Tender—Truck Repairman

Constructs, assembles, and repairs wooden and steel freight and passenger cars and lays out and builds wooden frames from blueprints or sketches.

Makes and hangs doors, lays floors and roofing, and fits siding to railroad cars, installs seats, benches, and racks.

Equipment includes woodborers, jointers, molders, planers, and sanders; rip, band, and scroll saws; and carpenter's hand tools.

Suggested Military Assignment:

Group I. 046 Car Carpenter, Railway (TC)

050 Carpenter, General (Any arm or service)

Group II. 113 Woodworking Machine Operator (CE)

121 Utility Repairman (Any arm or service)

202 Carpenter, Ship (CE, TC)

TRAFFIC MAN, RAILWAY

(0-98.76)

047

Supervises sidetracking, switching, and distribution of railway cars and trains.

Maintains records of location and movement of railway cars, capacity of yards and sidings, and directs movement of cars as required.

Should have a practical knowledge of the rules and regulations governing railroad operation.

Suggested Military Assignment:

Group I. 047 Traffic Man Railway (TC)

CAR MECHANIC, RAILWAY

(5-79.020)

048

Airbrake Mechanic, Railway Wheel Fitter

Performs mechanical repair work in a railroad shop on freight and passenger cars.

Repairs or replaces broken or defective parts of railway cars, including under-frames, wheel trucks, couplers, and draft gears. Performs such operations as cutting, drilling, reaming, riveting, and calking. Straightens, reinforces, and repairs car frames and members. Inspects and packs car journals. May inspect and repair or replace air brakes and air brake operating equipment.

Uses air hammer, air drill, air jack, drill press, metal punch, power shears, emery wheel, hydraulic press, drill bits and lay-out tools.

Must be able to work from blueprints and specifications.

Suggested Military Assignment:

Group I. 048 Car Mechanic, Railway (TC)

Group II. 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

121 Utility Repairman (Any arm or service)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

PACKER SUPPLIES (5-37.100)

049

Cargador Pack-Train Operator

Transports supplies and equipment by pack animal.

Makes up cargo into packs. Loads, adjusts, and balances pack loads on mules and horses. Distributes load among animals. Drives or leads pack animals to destination.

Waters, feeds, and grooms pack animals. Makes minor repairs to pack saddle.

Suggested Military Assignment:

Group I. 563 Horse Artillery Driver (FA)

712 Packer, Animal (Cav, CE, FA, Inf, Ord Dept, QMC)

1531 Gun Crewman, Pack Artillery (FA)

CARPENTER, GENERAL

(5-25.110)

050

Carpenter, Finish Maintenance Carpenter

Carpenter, Rough Roofer

House Carpenter

Performs a variety of carpentry tasks in connection with the construction and repair of buildings, drainage systems, waterworks, airports, and related structures.

Repairs and replaces piles and stringers. Builds frames, lays floors, and erects partitions. Erects concrete forms and scaffolds. Installs doors and windows. Erects and installs guard rails.

Should be able to work from blueprints and drawings.

Suggested Military Assignment:

Group I. 050 Carpenter, General (Any arm or service)

202 Carpenter, Ship (CE, TC)

270 Cooper (QMC, TC)

Group II. 035 Carpenter, Heavy Construction (CE, TC)

046 Car Carpenter, Railway (TC)

121 Utility Repairman (Any arm or service)

CHIEF CLERK (0-97.13) 052

Head Clerk Principal Clerk
Office Manager

Coordinates and supervises the clerical work of an industrial establishment, commercial establishment, or a governmental unit such as a department, division, bureau, or section.

Lays out, directs, and supervises the work of typists, clerks, stenographers, and other assistants. Directs the keeping of personnel and time records, circulation of memoranda to departments, standardization of operating procedures for clerical work, purchasing, recording, keeping of inventories of clerical supplies and equipment, and making up of payrolls.

Must have thorough knowledge of clerical methods and practices. Must have ability to adapt working procedures to policy changes.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

CLERK, GENERAL (1-05.01) 055

Collection Clerk Insurance Clerk

Correspondence Clerk Office Clerk

Financial Institution Clerk Printing and Publishing Clerk

Hotel Clerk

Performs general office work of diversified nature not requiring the use of a typewriter.

Makes up and files reports. Tabulates and

posts data in various record books. Takes telephone orders. Checks cash registers. Gives information to callers. Checks calculations. Does simple bookkeeping.

Equipment used includes various office machines such as mimeograph, ditto, and adding machines.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

667 Message Center Clerk (Any arm or service)

835 Supply Clerk (Any arm or service)

POSTAL CLERK (1-27.00) 056

Mail Carrier

Mail Clerk

Mail Sorter

Parcel-Post Clerk

Mail Weigher

Receives, sorts and distributes incoming and outgoing mail in a post office, commercial, industrial or similar establishment.

Weighs letters and packages to see that proper postage is affixed. Keeps record of insured and registered mail and of other transactions, funds, or supplies in his possession.

May perform a variety of other duties such as stamping, insuring, and registering mail, selling stamps and other postal supplies.

Must have a knowledge of postal laws, regulations, and forms pertaining to handling all classes of mail.

Suggested Military Assignment:

Group I. 056 Postal Clerk (AGD)

Group II. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

CONDUCTOR, RAILWAY (0-92.00) 058

Conductor, Passenger Conductor, Road

Car Freight

Conductor, Pullman Conductor, Yard

Supervises activities of passenger train, freight train, and railroad yard train crews in road runs and making and breaking-up trains in railroad yards.

Collects tickets, maintains order, and assumes responsibility for safe arrival of passengers at destination. Supervises removal of freight at wayside destinations and handles bills of lading and written orders. Supervises switch engine crew in making and breaking-up trains in railroad yard and shunting cars to proper place in yard.

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Must be familiar with standard railway operating rules, regulations, and signals.

Suggested Military Assignment:

- Group I. 033 Brakeman, Railway (TC)
058 Conductor, Railway (TC)

FOREMAN, CONSTRUCTION

(5-94.000)

059

- | | |
|---------------------------------|------------------------------|
| Bridge Foreman | River and Harbor |
| Building Foreman | Foreman |
| Foreman, Pipe-Line Construction | Sewer and Waterworks Foreman |

Supervises the construction and repair of buildings, drainage systems, roads, airports, waterworks, bridges, docks, culverts, and related structures.

Interprets blueprints, sketches, and written or verbal orders. Determines work procedure and assigns duties to various craftsmen. Supervises excavating, grading, bracing, form building, and back-filling. Supervises unloading and distribution of construction materials. Inspects completed work.

Must be able to supervise construction workers such as carpenters, construction laborers, bricklayers, structural steel workers, riggers, and construction machine operators. Must be familiar with engineering and construction principles and be able to give technical directions.

Suggested Military Assignment:

- Group I. 059 Foreman, Construction (AAF, CE, TC)
356 Foreman, Labor (AAF, CE, QMC, TC)

COOK (2-26.00)

060

Prepares food for serving to large groups of people.

Cooks meats, soups, desserts, vegetables, sauces, and gravies. Knows what portions of carcass are best adapted for use as steaks, chops, roasts, stews, soups, etc.

Should be able to estimate proper proportions of ingredients for feeding a large number of people. Should have had hotel, restaurant, institutional, hospital, logging camp, or similar experience.

Suggested Military Assignment:

- Group I. 017 Baker (AAF, MD, QMC)
060 Cook (Any arm or service)

COPPERSMITH (4-80.010)

061

Tinsmith

Fabricates and repairs kettles, tanks, coils, roof gutters, tubing, fittings, and other similar objects.

Performs soft metal fabrication, tube bending, brazing, and babbitting. Works with soft metals including copper, tin, zinc, and brass.

Uses babbitting and brazing furnaces, snippers, shears, bending brakes, mallets, and soldering tools.

Suggested Military Assignment:

- Group I. 061 Coppersmith (TC)
201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
Group II. 555 Airplane Sheet Metal Worker (AAF)

COOK'S HELPER (2-29.01)

062

- | | |
|----------------|------------------|
| Coffee Man | Sandwich Man |
| Kitchen Helper | Short Order Cook |
| Pantry Man | Vegetable Man |
| Salad Man | |

Assists cooks in hotel, restaurant, or other large kitchen in the preparation of food.

Prepares fruits and vegetables for salads and vegetables for cooking, by trimming, scraping, peeling, cutting, and cleaning. Operates manual and mechanical devices to open containers and to prepare food for cooking. Keeps cooks supplied with materials and utensils.

Maintains kitchen fires, cleans work tables, meat blocks, and kitchen utensils. Sweeps and mops floors. May do short order cooking and prepare sandwiches.

Suggested Military Assignment:

- Group I. 060 Cook (Any arm or service)

CRANE OPERATOR (5-73.050)

063

- | | |
|-----------------------|------------------|
| Caterpillar Crane | Locomotive Crane |
| Operator | Operator |
| Derrickman | Overhead Crane |
| Electric-Bridge Crane | Operator |
| Operator | Traveling Crane |
| Electric-Gantry Crane | Operator |
| Operator | |

Lifts and moves heavy objects from place to place by operating an electric, gas, steam, or Diesel powered crane which is either fixed or mounted on a caterpillar-powered tractor, a heavy motor truck, or a fixed or movable bridge.

Engages clutch, manipulates throttle or electrical levers, presses buttons and brake to move and stop crane, to rotate crane or chassis, to raise hoist along bridge, or to raise and lower the load line and objects attached to it.

Starts and drives crane to work site and moves load from place to place.

Must coordinate arm and foot movements in operating crane levers and pedals. Should have

good judgment of distances. Must be able to perform driver maintenance on crane.

Suggested Military Assignment:

Group I. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

064 Power Shovel Operator (CE, TC)

116 Dredge Man (CE)

Group II. 189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

359 Construction Machine Operator (AAF, CE)

529 Wrecker Crewman (Ord Dept)

POWER SHOVEL OPERATOR

(5-73.210) 064

Backfiller Operator Crane Shovel Operator

Back-Hoe Operator Skimmer-Scoop Operator

Excavates or moves materials with a compressed air, Diesel, electric, gasoline, or steam-powered shovel, consisting of power plant mounted upon a suitable chassis such as a crawler-tread or railway car.

Manipulates levers and pedals to operate machine. Lowers dipper to material to be shoveled, lifts, swings, and dumps dipper over car, truck, or pile.

Assembles, operates, and disassembles attachments to the shovel such as ditcher, clam shell bucket, drag line and pile driver.

Cleans shovel, greases steel cable and moving parts, cleans and oils pulley blocks, tightens loose nuts and bolts. Adjusts friction clutches and replaces worn or broken parts.

Suggested Military Assignment:

Group I. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

064 Power Shovel Operator (CE, TC)

116 Dredgeman (CE)

Group II. 189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

359 Construction Machine Operator (AAF, CE)

529 Wrecker Crewman (Ord Dept)

SEAMAN (7-48.020) 065

Able Seaman Ordinary Seaman

Boatswain Quartermaster

Deckhand

Performs regular and emergency deck duties aboard a ship, lighter, barge, or tugboat.

Handles lines, ropes, and hawsers when docking or anchoring ship. Breaks out, rigs, overhauls, and stows cargo, handling and running

gear. Overhauls lifeboats and lifeboat gear and lowers and raises lifeboats. Stands watch at bow of vessel for possible obstructions or hazards to navigation. Takes depth soundings in unfamiliar or shallow waters. Transmits information to bridge or other ships by telephone, semaphore signals, or blinker lights. Steers vessel as directed, using either a wheel on the bridge or emergency steering apparatus in the stern. Operates and maintains deck machinery of ship such as booms, capstans, winches, anchor windlass, lifeboat davit, and ramp. Cleans deck, quarters, and deck equipment; chips paint, paints wood and metal fixtures, and splices wire and cables. Fills fuel and water tanks.

Must know simple navigation, splicing, knots, rigging, and semaphore code, and should be familiar with the use of carpenter's tools. Must hold a seaman's certificate issued by the U. S. Government. When working aboard vessels carrying liquid cargoes, must hold tankerman certificate.

Suggested Military Assignment:

Group I. 065 Seaman (AAF, CAC, CE, TC)

546 Coxswain, Mine Yawl (CAC)

547 Master, L Boat (CAC)

722 Submarine Mine Planter (CAC)

823 Coxswain, Harbor Craft (TC)

838 Seaman, Landing Craft (CE)

STUDENT, DENTISTRY (0-X7) 066

Has successfully completed at least 2 years of a course leading to a degree in dentistry at an accredited dental college.

Suggested Military Assignment:

Group I. 067 Dental Laboratory Technician (MD)

264 X-ray Technician (MD)

855 Dental Technician (MD)

Group II. 409 Medical Technician (MD)

411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

657 Medical Aidman (MD)

858 Medical Laboratory Technician (AAF, MD)

859 Pharmacy Technician (AAF, MD)

861 Surgical Technician (MD)

DENTAL LABORATORY TECHNICIAN

(0-50.06) 067

Dental Mechanic

Makes all types of dentures and other prosthetic appliances from plaster or wax impressions or specifications furnished by dentist.

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Prepares plaster of paris casting, fastens casting to articulator, and makes wax impressions. Sets artificial teeth in wax and prepares vulcanite or lucitone plate. Trims rubber or lucitone with knife and grinds and polishes teeth on buffing wheel.

Fabricates bridges, splints, metal clamps, crowns, and inlays by casting and molding parts according to specifications, and repairs broken dentures and bridges.

May develop X-ray pictures and keep records.

Suggested Military Assignment:

Group I. 067 Dental Laboratory Technician (MD)

855 Dental Technician (MD)

Group II. 264 X-ray Technician (MD)

847 Prosthetic Dental Supply Clerk

DISPATCHER, RAILWAY (0-98.75) 069

Directs movement of trains over a railroad within a prescribed area such as a division.

Maintains records of train movements, including time of arrival and departure from stations. Reroutes or reschedules trains during emergencies and reports all accidents to trains, damage to roads, and failures to meet schedules. Drafts written instructions to engineers and conductors. Maintains communication with other dispatchers by telephone or telegraph. Dispatches wreck train and crew to railroad sections affected by wrecks.

Must have thorough knowledge of rules and regulations governing railroad operation.

Suggested Military Assignment:

Group I. 047 Traffic Man, Railway (TC)

069 Dispatcher, Railway (TC)

265 Yardmaster (TC)

DRAFTSMAN (0-48.06) 070**Commercial Draftsman**

Prepares clear, complete, and accurate working plans and detailed drawings from sketches or engineers' notes.

Makes proposed drawings and plans from oral or written instructions. Makes final sketches, checking dimensions of parts, materials to be used, and relation of parts to the whole. Makes finished detailed drawings to scale.

Uses drafting pens and pencils, straight edges, triangles, dividers, compasses, T-squares, slide rules, scales, drafting tables, drawing paper, tracing paper and cloth, sensitized blueprint paper, French curves, and mathematical tables.

Should have general knowledge of engineering practices, machinery, materials, and mathematics to complete drawings. Familiarity with blueprint and photostat apparatus desirable.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

075 Draftsman, Electrical (Sig C, TC)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

1076 Observation Draftsman (FA)

Group II. 387 Cartographer (CE)

DRAFTSMAN, MECHANICAL

(0-48.18) 071

Draftsman, Tool Design

Prepares detailed drawings of machines and equipment in connection with the construction or repair of equipment or mechanical devices.

Sketches proposed mechanical parts and devices, working from job orders, specifications, models, and other drawings. Prepares finished detailed drawings to scale of parts for trucks, construction equipment, rail equipment, engines, weapons, or other equipment, or for heating, ventilating, and refrigeration systems. Enlarges drawings, using proportionate squares and may trace drawings.

May design simple mechanical parts.

Uses standard drafting instruments and equipment such as drawing table, steel rulers, T-square, drawing set including compass, dividers, and drawing pens, lettering set, triangles, French curves, slide rule, drawing pencils, india ink, tracing paper, mimeoscope, and stylus.

Must have a working knowledge of machines, engineering practices and mathematics.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

075 Draftsman, Electrical (Sig C)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

1076 Observation Draftsman (FA)

Group II. 387 Cartographer (CE)

PHYSICAL THERAPY TECHNICIAN (0-52.22) 072

Electrotherapist Masseur
Heliotherapist Mechanotherapist
Hydrotherapist Physiotherapist

Assists in administering physiotherapeutic treatments by means of massage, electrotherapy, hydrotherapy, and remedial gymnastics in the treatment of various muscular and physical disorders.

Instructs patients in gymnastics. Administers galvanic, heat, ultraviolet and infrared ray treatments, hot baths, whirlpool, and other water remedies. Applies vibrator, massage, and other mechanical devices to patient's body as prescribed. Applies and removes casts and strapings.

Must have experience in administering physiotherapy treatments in a hospital or similar institution.

Suggested Military Assignment:

Group I. 072 Physical Therapy Technician (MD)

Group II. 409 Medical Technician (MD)

DRAFTSMAN, STRUCTURAL (0-48.25) 074

Prepares detailed drawings of structures in connection with construction projects.

Sketches proposed plans for bridges, columns, docks, and buildings, working from field notes, specifications, models, and other drawings. Prepares finished drawings to scale of bridge trusses, plate girders, roof trusses, trestle bridges, columns, dock piles, bracing, beams, floors, and walls.

Uses standard drafting tools and equipment such as drawing table, steel rulers, T-square, drawing set including compass, dividers, and drawing pens, lettering set, triangles, French curves, slide rule, drawing pencils, tracing paper, mimeoscope, and stylus.

Must have a working knowledge of structural principles, engineering practices, and mathematics.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

075 Draftsman, Electrical (Sig C, TC)

076 Draftsman, Topographic (AAF,

Armd Comd, Cav, CE, Inf, QMC, TC)

1076 Observation Draftsman (FA)

Group II. 387 Cartographer (CE)

DRAFTSMAN, ELECTRICAL (0-48.11) 075

Prepares working plans, detail drawings, and wiring diagrams from rough or detailed sketches and notes for the erection, installation, and wiring of electrical machinery, equipment, and fixtures for power plants, buildings, and manufacturing units.

Prepares drawings, plans, and final sketches, checking dimensions of parts, materials to be used, and relation of various parts to whole. Inks in all lines and letters on pencil drawings. Makes finished designs from final sketches.

Uses drafting pens and pencils, straight edges and triangles, T-squares, slide rules, drafting tables, tracing paper and cloth, sensitized blueprint paper, map measurers, French curves, and mathematics tables.

Should have general knowledge of engineering practices, machinery, materials, and mathematics to complete drawings. Familiarity with photostat and blueprint machines desirable.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

075 Draftsman, Electrical (Sig C, TC)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

1076 Observation Draftsman (FA)

Group II. 387 Cartographer (CE)

DRAFTSMAN, TOPOGRAPHIC (0-48.26) 076

Prepares topographical maps from any original source, such as surveyors' notes, aerial photographs, or other maps.

Makes corrections denoting changes in configuration on topographical maps as indicated by aerial photographs of the same area. Uses standard conventional signs, symbols, and designations.

Uses drafting pens and pencils, straight edges, triangles, protractors, T-squares, dividers, compasses, slide rules, scales, drafting tables, plane

Sec. III

tables, tracing paper and cloth, and mathematical tables.

Must have a thorough knowledge of maps and symbols and be able to interpret aerial photographs accurately.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

075 Draftsman, Electrical (Sig C, TC)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

387 Cartographer (CE)

1076 Observation Draftsman (FA)

POWERHOUSE ENGINEER

(5-51.010) 077

Generator Operator Power Station Operator
Power-Plant Attendant Turbine Operator

Supervises the operation and maintenance of stationary engines, turbines, generators, boilers, switchboards, and transformers.

Supervises activities of a small central power or lighting plant that supplies mechanical or electrical power for distribution or for the operation of machines or equipment in an industrial plant.

Supervises firemen, oilers, and other workers, directs storage and handling of coal, makes tests and keeps records of the performance of various machines.

Suggested Military Assignment:

Group I. 077 Powerhouse Engineer (CE, TC)

082 Stationary Engineer (CE, CWS)

084 Stationary Fireman (CWS, Ord Dept, QMC, TC)

111 Locomotive Fireman (TC)

117 Marine Fireman (CAC, CE, TC)

ELECTRICIAN (4-97.010) 073

Wireman

Lays out, assembles, installs, and tests electrical fixtures, apparatus, control equipment, and wiring used in the alarm, radio, communication, light and power systems of buildings or other construction projects.

Plans proposed installation from blueprints, sketches, or specifications. Secures panel boards, switch boxes, pull boxes and other concealed or recessed equipment to the frame of the structure prior to erection of walls, the plastering of

rooms, or concrete paving. Measures, cuts, threads, bends, assembles, and installs conduit which connects the various outlets, panels, and boxes.

Uses hack saw, pipe benders, threading tool, wire, knife, cutting pliers, soldering iron.

Suggested Military Assignment:

Group I. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

132 Electrician, Motion Picture (Sig C)

912 Electrician, Automotive (AAF, CE, Ord Dept)

Group II. 181 Signal Mechanic, Railway (TC)

258 Substation Electrician (CE, TC)

304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

571 Electrician, Harbor Defense (CAC)

633 Fire Control Electrician, AA (Auto Weapons) (CA)

634 Fire Control Electrician, AA (Gun) (CAC)

635 Searchlight Electrician (CAC, CE)

EMBALMER (0-65.00) 079
Mortician Undertaker

Embalms bodies and prepares them for shipment or burial in accordance with State laws.

Embalms and inters bodies. Directs funerals. May operate a crematory for disposal of bodies.

Holds State or Municipal license.

Suggested Military Assignment:

Group I. 409 Medical Technician (MD)

657 Medical Aidman (AAF, MD)

861 Surgical Technician (MD)

MARINE ENGINEER (0-38.20) 080

Chief Marine Engineer Tugboat Engineer
Port Engineer

Supervises the operation of an engine room aboard a ship.

Stands watch in engine room and has complete charge of all engines, pumps, injectors, condensers, boilers, electrical equipment, and sanitary equipment. Controls speed of power equipment and checks correct water level in boilers. Keeps an operating log. Supervises the repair and maintenance of engine room equipment. Makes small engine parts, using machinist's hand tools.

Must know the operation of steam or Diesel type ship engines and ship's signals. Must hold a Department of Commerce license as chief engineer or assistant engineer of coastwise, ocean going or Great Lakes vessels.

Suggested Military Assignment:

Group I. 080 Marine Engineer (AAF, CE, TC)

117 Marine Fireman (CAC, CE, TC)

141 Marine Oiler (CAC, CE, TC)

Group II. 077 Powerhouse Engineer (CE, TC)

082 Stationary Engineer (CE, CWS)

ENGINEMAN, OPERATING

(5-23.910)

081

Air Compressor Operator

Operates and maintains gas or Diesel engines and auxiliary equipment used for generating power.

Makes preoperation inspection for amount of gas or oil in fuel tank, amount of oil in crankcase, water level in battery, condition of fan belt, ignition wiring and engine mounts. Starts engine using electric starter or hand crank. Observes ammeter, oil gauge, rpm indicator and temperature gauge during operation. Regulates speed of engine on instructions from supervisor. Makes post-operation inspection similar to pre-operation inspection.

Makes minor adjustments to engine, tightening hose connections, motor mounts and other engine parts. Cleans and adjusts spark plugs, carburetor, and fuel injector, and lubricates equipment.

Makes minor repairs to auxiliary equipment attached to engine such as generators, pumps, controllers, reverse and reduction gears, generators, winches and concrete mixers by replacing packing in pumps, adjusting controllers, cleaning gear boxes, tightening wire connections, cleaning commutators, replacing brushes, adjusting brakes, replacing valves.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

081 Engineman, Operating (AAF, CAC, CE, Sig C, TC, TD)

220 Pump Operator (CE)

506 Portable Power Generator Repairman (Ord Dept)

846 Portable Power Generator Operator (Ord Dept, QMC)

STATIONARY ENGINEER (5-72.010) 082

Building Engineer Operating Engineer

Operates and maintains stationary engines

and mechanical equipment such as steam engines, generators, motors, turbines, ventilating and refrigerating equipment, steam boilers and boiler feed water pumps.

Makes minor repairs such as locating knocks and taking up bearings.

Should hold a license as a stationary engineer.

Suggested Military Assignment:

Group I. 077 Powerhouse Engineer (CE, TC)

082 Stationary Engineer (CE, CWS)

084 Stationary Fireman (CWS, Ord Dept, QMC, TC)

Group II. 080 Marine Engineer (AAF, CE, TC)

111 Locomotive Fireman (TC)

117 Marine Fireman (CAC, CE, TC)

FILTER OPERATOR, WATER SUPPLY

(7-54.621)

083

Filterman, Sludge Water Purifier

Water Filterer Water Tender

Purifies raw water to render it fit for industrial processes or to prevent the accumulation of scale in boiler tubes and pipes of water systems.

Mixes chemicals in proper proportions and adds them to untreated water in tank. Agitates mixture by actuating mixing blades rotating in tank. Stops agitator blades and allows precipitated impurities to settle to bottom of tank. Removes fine suspended impurities by draining tank into sand filter beds where water is pumped to water mains. Periodically cleans tanks and beds by flushing them with water and brushing sediment into water drain.

Suggested Military Assignment:

Group I. 727 Water Supply, Technician (AAF, CE, QMC)

Group II. 081 Engineman, Operating (AAF, CAC, CE, Sig C, TC, TD)

220 Pump Operator (CE)

STATIONARY FIREMAN (7-70.040) 084

Fires and maintains stationary boilers used in a factory, power plant, or other establishment to generate power or to supply steam for industrial processes.

Fires, operates, cleans, and keeps in good condition any type of fire or water-tube stationary boiler. Operates chain grates or automatic stokers, forced and induced draft fans, draft economizers. Should know the purpose of various safety appliances.

Suggested Military Assignment:

Sec. III

Group I. 084 Stationary Fireman (CWS, Ord Dept, QMC, TC)

111 Locomotive Fireman (TC)

117 Marine Fireman (CAC, CE, TC)

Group II. 082 Stationary Engineer (CE, CWS)

141 Marine Oiler (CAC, CE, TC)

FOREMAN, MACHINE SHOP

(5-92.768) 086

Chief Machinist Foreman Mechanic
Supervises and coordinates work of machinists, machinists' helpers, and laborers in a machine shop.

Plans and lays out work for various machining operations and allocates work assignments. Determines work procedures and inspects production for quantity and quality. Supervises the maintenance of shop records such as time, production, and material requirements. Advises workers on difficult problems.

Must be able to interpret blueprints and plan and lay out work from specifications, rough drafts or sketches.

Must be thoroughly familiar with all phases of machine tool work and be skilled in operation of machine tools and precision gauges.

Suggested Military Assignment:

Group I. 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

FORGING-PRESS OPERATOR

(6-86.120) 087

Angle-Press Operator Die Machine Operator
Bulldozer Operator (Machine Shop)

Operates a power press to bend, shape, or forge metal objects such as crankshafts, heavy drive shafts, and angle frames from heavy metal stock.

Places metal to be forged on stationary die. Starts machine, causing movable die to advance and shape metal under pressure. Sets and aligns dies in machines.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

Group II. 302 Machine Operator (Designated Machine) (CE, Ord Dept)

FOREMAN, FOUNDRY (5-92.311) 088

Supervises a group of craftsmen in a shop where metal founding is carried on in connection with repair of various types of equipment.

Interprets written or verbal orders and determines procedure of work. Assigns duties to craftsmen and inspects work performed for quality and quantity. Supervises preparation of molds and operation of melting furnaces. Supervises soft metal fabrication, tube bending, brazing, and babbiting.

Must be able to supervise foundry workers such as bench, fitting, finish, and machine molders, coppersmiths, and pattern makers. Must thoroughly understand green or dry sand and loam molding, foundry and cupola practice, sand blasting, tumbling, pickling, and core work.

Suggested Military Assignment:

Group I. 129 Foundryman (CE, Ord Dept, TC)

FRAMEMAN, TELEPHONE AND

TELEGRAPH (7-53.020) 089

Plant Wireman

Places cross-connections at wire-distributing frames in a telephone and telegraph central office.

Wires distributing frames and cable terminals. Tests telephone circuits, locates wiring trouble, and makes repairs. Makes routine inspections of all frames. Maintains wiring and protection at distributing frames of telephone or telegraph systems.

Places wiring for outside service wires and makes connections at cable terminals incident to new cable construction operations.

Must have experience with Bell Telephone, Western Electric, or other large commercial communications system.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Telephone and Telegraph (AAF, CE, Ord Dept, Sig C, CE)

187 Repeaterman, Telephone (AAF, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

384 Installer, Toll Telephone and Telegraph (Sig C)

HEAT TREATER (4-87.010) 090

Annealer **Temperer**
Furnace Man

Alters physical and chemical properties of metals and metal parts by controlled heating and cooling in order to produce a specified degree of hardness, toughness, or resistance.

Packs pieces for hardening process by placing in metal containers and placing in either horizontal or vertical pit furnaces. Sights and regulates rate of heat in furnace in accordance with standard requirements for metal being treated, periodically checking meter recordings to maintain even temperature control. Removes parts from furnace after desired period (some metals are treated by time periods and others by temperatures), and quenches parts by submerging them in water, quenching oil, brine, or other quenching media, or by removing and cooling at room temperature.

May inspect parts for cracks and deformation.

May make hardness tests. Cleans brushes, or buffs part (by holding part against power operated brushes). Operates testing device (Brinell, Rockwell, or Scleroscope) and checks testing readings against hardness specifications.

Must have a thorough knowledge of the working properties of various metals and metal alloys, including basic theories of physical and chemical changes brought about by heat-treating. Should be able to operate Rockwell hardness testing equipment and pyrometers.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

GENERATOR SWITCHBOARD OPERATOR
(5-51.130) 092

Operates a generator switchboard in an electric generating plant.

Operates, by remote control switches, the feeders, switch gear, and auxiliary equipment of an electric generating plant. Watches switchboard dials continually during an assigned shift. Connects and disconnects generating units to and from the line, regulating the output according to the demand for power. Makes the switching changes necessary to connect the generators with the various power feeders. Keeps a record of all switching operations and regular readings of the output of the generators.

Must know correct procedure to follow in cases of emergency.

Suggested Military Assignment:

Group I. 092 Generator Switchboard Operator (CE)

184 Substation Operator (TC)

HORSEBREAKER (3-49.94) 093

Trains horses or mules for single, double, or multiple hitch work, and to the bridle and saddle.

Teaches each draft animal to lead with a halter. Accustoms them to harness and to pulling wagon or other vehicle. Must be a good judge of, and have extensive knowledge of the habits and care of horses. Should be capable of riding untrained horses.

Suggested Military Assignment:

Group I. 093 Horsebreaker (QMC)

235 Teamster (Cav, FA, MD, QMC)

710 Stable Sergeant (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

712 Packer, Animal (Cav, CE, FA, Inf, Ord Dept, QMC)

713 Packmaster (Cav, CE, FA, Inf, Ord Dept, QMC)

Group II. 094 Horseshoer (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

HORSESHOER (4-86.210) 094

Farrier Shoer

Shoe horses and mules, to protect feet from breaking, in such a manner as to interfere as little as possible with natural gaits of the animal.

Makes preliminary examinations of animal as to gait, conformation of legs, and size, shape, and general condition of feet to determine correct method of shoeing. Removes old shoes carefully using clinch cutter and pinchers, avoiding injury to the foot. Prepares foot for shoeing by trimming and leveling the sole using farrier's knife and horseshoer's rasp. Estimates size and weight of shoe to be used and reshapes it to fit individual foot by heating in forge and hammering to desired conformation on the anvil. Makes trial fittings and attaches shoe to foot securing it by driving, cutting and clinching nails on the side wall surface of the hoof.

Must be able to relieve pressure on injured or sensitive foot areas and correct faulty gaits by corrective shoeing. May be required to hand forge a shoe from an iron bar. May perform blacksmith tasks such as light forging, hardening, tempering, shaping, and bending of metals.

Uses anvil, clinch cutter, portable forge, hammers, hardy, farrier's knife, fullering iron, cutting-nippers, farrier's pinchers, hoof parer, tongs, horseshoer's rasp, pritchel, and vise.

Should have served a full apprenticeship in a first class shop or have acquired equivalent experience.

Suggested Military Assignment:

Group I. 024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

Sec. III

- 094 Horseshoer (Cav, CE, FA, Inf, MD, Ord Dept, QMC)
 Group II. 710 Stable Sergeant (Cav, CE, FA, Inf, MD, Ord Dept, QMC)
 712 Packer, Animal (Cav, CE, FA, Inf, Ord Dept, QMC)
 713 Packmaster (Cav, CE, FA, Inf, Ord Dept, QMC)

CENTRAL OFFICE REPAIRMAN

(5-53.230)

095

Manual Equipment Repairman

Repairs and maintains manual telephone equipment in a central office.

Tests circuits and equipment to locate trouble, using testing devices such as millivoltmeters, picks, spring tension gauges, voltmeters, and ohmmeters. Diagnoses cause of trouble and makes repairs or adjustments by soldering proper connections, taping shorted wires, replacing burned out fuses or resistance lamps, cleaning relays, or replacing defective parts. Maintains heat coils and carbon block protectors. Executes service orders on local telephone trunk and tie lines, battery and generator supply lines, long lines, and PBX equipment. Installs, removes, and changes cross connections at distributing frame.

Uses wide variety of tools including soldering iron, screw drivers, wrenches, burnishing tool, hammers, hack saws, cutsnippers, files, pliers, and countersinks.

Must be thoroughly familiar with all manual central office equipment. Must be able to read circuit diagrams. Must have had civilian experience in manual central office repair with Bell Telephone, Western Electric, or other large commercial communications system.

Suggested Military Assignment:

Group I. 095 Central Office Repairman (AAF, Sig C)

097 Installer-Repairman Tp and Tg (AAF, CE, Ord Dept, Sig C)

187 Repeaterman, Telephone (AAF, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

261 Wire Chief, Telephone and Telegraph (AAF, Sig C, TC)

384 Installer, Toll Telephone and Telegraph (Sig C)

INSTALLER-REPAIRMAN, TELEPHONE

AND TELEGRAPH (5-53.030) 097

Station Installer Telephone Installer
 Station Repairman

Installs, maintains, or repairs telephone and telegraph station equipment, including telephone subsets, telegraph instruments, protectors, and key switching equipment.

Performs telephone substation work including installation of party lines and auxiliary equipment. Performs station protection installation including selection of mounting, grounding, and auxiliary fusing. Climbs unstepped poles, strings wires, and installs temporary guying, and cable and junction boxes. Tests newly installed lines for continuity and volume, signaling central office and performing necessary tests.

Using testing sets, locates defective equipment. Tightens loose connections and replaces worn wires and broken or defective parts. Inspects poles and tests for cable troubles, using climbing irons and body tools. May make shop repairs on rubber covered cable, using vulcanizing equipment. May perform overhead installation, construction, and maintenance work.

Must be able to read wiring diagrams, and must know all common troubles to be found in operation of a telephone circuit.

Must have had experience as installer or repairman for the Bell Telephone system, Western Union Telegraph Company, or other large telephone and telegraph companies or railroad systems.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Telephone and Telegraph (AAF, Sig C)

187 Repeaterman, Telephone (AAF, Sig C)

238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

384 Installer, Toll Telephone and Telegraph (Sig C)

INSTRUMENT REPAIRMAN,

NONELECTRICAL (4-75.130) 098

Instrument Maker Weather Equipment Technician

Maintains and repairs gauges, meters, and other types of instruments used in measuring, controlling, or checking work or operations not of an electrical nature. (See Instrument Repairman, Electrical, 338.)

Using instrument maker's tools such as precision lathes, bench lathes, shapers, sensitive drills, and micrometers, repairs and replaces

worn and defective parts of compasses, clinometers, pace talleys, barometers, and anemometers.

Should have some knowledge of the principles of mechanics and physics.

Must be skilled in the use of precision tools and high accuracy measuring instruments.

Suggested Military Assignment:

Group I. 042 Camera Repairman (AAF, Sig C)

098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)

381 Watch Repairman (AAF, Ord Dept, TC)

Group II. 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

686 Airplane Instrument Mechanic (AAF)

921 Height Finder Repairman (AAF, Ord Dept)

922 Instrument Repairman, Fire Control (AAF, Ord Dept)

GEOLOGIST (0-39.45) 099

Mineralogist

Identifies, traces, and maps geological formations to determine the character, thickness, and structure of such formations.

Prepares maps and reports describing the results of field observations and their significance in establishing the value of the land with respect to mineral deposits. Determines the extent, slope, and thickness of rock layers. Studies the earth's strata to aid in location of oil, minerals, or water.

Studies the relationship of the atmosphere, hydrosphere, and lithosphere and their elements. Decides which areas can best be used for the erection of large structures or abutments according to the slope of the bedrock.

Holds a degree in geology from an accredited college or university or has the equivalent in training and experience.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

387 Cartographer (CE)

784 Weather Observer (AAF, CAC, CWS, FA)

787 Weather Forecaster (AAF, CWS)

STRUCTURAL STEEL WORKER

(4-84.010) 100

Bridgeman Ironworker

Iron Erector

Works as member of group raising, placing, and joining fabricated structural steel members such as girders, columns, and plates to form a structure.

Sets up and braces hoisting equipment for raising and placing structural steel. Rigs hoisting equipment with pulleys, ropes, and cables. Lashes, hitches, and hooks ropes, wire cables, chains, and slings to hoist structural steel into place for erecting and setting. Shifts, fits, and sets structural steel. Bolts structural steel members together. Drills holes in structural steel; reams out holes for bolting and riveting. Unites steel members by inserting rivets in holes and loads rivets in place while forming rivet heads.

Uses oxyacetylene torch, wrenches, drift pins, mauls, air hammer, rivet bucket or can, forge, tongs, hammers, and pliers.

Must be able to work from rough diagrams and sketches and oral and written instructions.

Suggested Military Assignment:

Group I. 100 Structural Steel Worker (AAF, CE, TC)

189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

FOREMAN, LAUNDRY (5-97.050) 102

Foreman, Dry Cleaning

Directs employees and supervises all operations of a modern laundry in the cleaning and laundering of clothing and textiles.

Purchases all laundry supplies. Supervises the preparation of bleaches, soaps, starches, bluing and cleaning fluids. Knows methods of washing, scouring, and dry-cleaning of all clothing.

Suggested Military Assignment:

Group I. 102 Foreman, Laundry (QMC)

103 Laundry Machine Operator (CWS, QMC)

Group II. 591 Foreman, Fumigation and Bath (QMC)

706 Fumigation and Bath Man (QMC)

LAUNDRY MACHINE OPERATOR

(7-57.251) 103

Washer, Machine

Operates one or more of the various types of laundry machines used in a modern steam laundry for laundering garments and household textile articles.

Sec. III

Determines proper procedure to be used in the cleaning of articles to prevent shrinking and fading, taking into consideration the nature of the dye and the type of fabric. May operate washer, extractor, or drier.

Suggested Military Assignment:

Group I. 102 Foreman, Laundry (QMC)

103 Laundry Machine Operator (CWS, QMC)

Group II. 591 Foreman, Fumigation and Bath (QMC)

706 Fumigation and Bath Man (QMC)

LAUNDRY MAINTENANCE MECHANIC

(5-83.641) 104

Adjusts, repairs, and maintains lighting, heating, and operating equipment in a laundry.

Oils and greases moving parts. Packs steam and air valves and installs pipes, using steam-fitter's or pipe fitter's tools. Laces broken power-transmission belts. Replaces defective fuzes, contact brushes, and circuit-breaker points. Repairs and replaces defective wooden equipment, using carpenter's tools. May repair or rewind electric motors and generators. May assist in removing and installing machines and equipment.

Suggested Military Assignment:

Group I. 104 Laundry Maintenance Mechanic (AAF, CWS, QMC)

121 Utility Repairman (Any arm or service)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

ADDRESSING-EMBOSSING MACHINE

OPERATOR (1-25.41) 105

Addressograph Operator Graphotype Operator

Operates machines designed for embossing or printing names, addresses, and other information on various types of envelopes, cards, records, and forms.

Operates a graphotype machine using a keyboard similar to that of a standard typewriter to emboss names, addresses, and other information on thin metal plates. Operates addressing machine by placing embossed plates in machine magazine and manipulates controls to imprint information on designated material.

May maintain a file of embossed addressing plates. May perform other general clerical duties in conjunction with machine operation. May make minor repairs and adjustments to equipment.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

405 Clerk-Typist (Any arm or service)

LINOTYPE OPERATOR (4-44.110) 106

Composing Machine Typesetter (Machine) Operator

Operates the keyboard of a machine that selects and assembles matrices of letters into lines and casts them into strips of type from type metal for use in printing.

Starts type-forming mechanism, adjusts marginal stops and gauges to determine length and thickness of slugs, presses keys to select matrices of letters, spaces assembled matrices into words and lines, starts automatic casting mechanism, transfers lines of type with copy to composing table for taking of proof, and sets new lines to replace those with errors.

May make minor adjustments and repairs to machine.

Suggested Military Assignment:

Group I. 168 Printer (AAF, CE)

169 Job Pressman (CE)

PHOTOLITHOGRAPHER (4-46.200) 107

Lithographer, General Process Printer

Photographer, Stone Transferrer

Plate Maker

Transfers images or designs by hand or machine from photographic negatives or engraved lithographic stones to zinc or copper plates to be used in lithographic printing.

Makes position prints on sensitized metal plates by exposing them to the action of light and interposing between the light and the sensitized surface a negative carrying the subject matter. Prepares metal plates, drawings, proofs, and lithographic inks.

Understands the use and maintenance of lithographic machinery and tools such as plate whirler, vacuum frame easel, timer, hand squeezer, washing table, lithographic plates, developing ink, camera, and electric arc lights.

Suggested Military Assignment:

Group I. 107 Photolithographer (AAF, CE)

945 Photographic Laboratory Technician (AAF, CE, Sig C)

LITHOGRAPHIC ENGRAVER

(4-46.100) 109

Lithographic Artist Lithographic Draftsman

Stone Engraver

Cuts designs of type or illustration copy into the surface of lithographic stones using hand tools.

Traces designs or illustrations on sheets of celluloid or tracing paper. Fills the tracing lines on design with colored chalk and places it face down on a lithographic stone. Rubs the chalk outline into the stone. Cuts the outline design into the face of the stone with fine, sharp-pointed hand tools.

Uses an engraving machine to cut fine lines and to shade desired portions and brushes a protective coating on design. Lightly etches stone with acid to desensitize it to ink.

Draws with especially prepared inks on lithographic stones, or metal printing plates, maps, nautical charts, and diagrams.

Should have training or experience in lithographic engraving of topographic, hydrographic, and geological features, and lettering of maps and charts. Should be familiar with engraving machines, and devices, materials, and processes involved in engraving maps and charts on lithographic stones.

Suggested Military Assignment:

Group I. 107 Photolithographer (AAF, CE)

Group II. 070 Draftsman (AAF, CE, CWS, FA)

LOCOMOTIVE ENGINEER (5-41.010) 110

Locomotive Engineer Locomotive Engineer
(Diesel) (Steam)

Locomotive Engineer Yard Engineer
(Electric)

Operates steam, Diesel, or electric locomotive by manipulating levers which control speed and direction of locomotive in pushing and pulling freight and passenger cars.

Prepares locomotive for operation by checking working condition of various levers such as locomotive operating hand lever, throttle, air brake, sand, and reverse levers. Operates engine on through, local, or yard work and controls movement of train in accordance with train orders, schedules, and signals along the route. Oils and checks locomotives at halts.

Must know railroad semaphore signaling, railroad safety precautions and operating rules. Must be able to estimate grades and sharpness of curves and judge safe speeds of train.

Suggested Military Assignment:

Group I. 110 Locomotive Engineer (TC)

111 Locomotive Fireman (TC)

Group II. 265 Yardmaster (TC)

LOCOMOTIVE FIREMAN (5-42.100) 111
Fireman, Yard

Fires and tends a locomotive boiler, maintaining even fire in fire box, to generate steam for locomotive power.

Shovels coal, coke, or other fuel into fire box or manipulates valves to control flow of fuel oil. Maintains proper amount of water in tender of cistern. Checks water gauge to determine whether boiler is adequately supplied. When necessary operates valve which causes water to be injected into boiler under pressure. Performs minor cleaning and maintenance on locomotive. Wipes gauges and control levers in engine cab. Performs elementary maintenance operations such as replacing flexible air hose connections. When locomotive is in operation keeps watch on roads and crossings from side of engine cab in order to avoid accidents.

Must be thoroughly familiar with semaphore signal systems used by railroads.

Suggested Military Assignment:

Group I. 084 Stationary Fireman (CWS, Ord Dept, QMC, TC)

111 Locomotive Fireman (TC)

117 Marine Fireman (CAC, CE, TC)

Group II. 082 Stationary Engineer (CE, CWS)

110 Locomotive Engineer (TC)

LOCOMOTIVE MECHANIC (5-79.050) 112
Engine Repairman Roundhouseman

Performs various types of mechanical repair in a railroad repair shop in connection with the maintenance of railway locomotives.

Tests engine parts for defects and replaces defective parts. Lays off and lines down locomotive shoes and wedges. Aligns and repairs locomotive rods and pins. Adjusts and sets locomotive valves. Rebores cylinders.

Uses portable pneumatic and electric tools such as cylinder facers and crank pin turners, radial upright and sensitive drills, and bolt and nut threading machinery.

Must have knowledge of principles of locomotive design and construction and operation of various parts.

Suggested Military Assignment:

Group I. 048 Car Mechanic, Railway (TC)

112 Locomotive Mechanic (TC)

WOODWORKING MACHINE OPERATOR

(4-33.000) 113

Cut-Off-Saw Operator Dado Operator

Band-Saw Operator Router Operator

Millman Planer Operator

Wood Turner

Operates and adjusts any or all of the more common woodworking machines such as boring machines, sanders, molders, groovers, mortisers, lathes, planers, shapers, or power saws to fabricate lumber products, dressed lumber, or furniture parts.

Must have a knowledge of the working characteristics of the more common woods. Should be able to read and interpret blueprints.

Suggested Military Assignment:

- Group I.* 046 Car Carpenter, Railway (TC)
050 Carpenter, General (Any arm or service)
113 Woodworking Machine Operator (CE)
270 Cooper (QMC, TC)
Group II. 136 Model Maker (AAF, CE, Sig C, TC)
148 Pattern Maker, Wood (CE)
459 Sawmill Machine Operator (CE)
559 Glider Mechanic (AAF)

MACHINIST (4-75.010) 114

Bench Machinist Floor Machinist

Operates all types of hand and machine tools including engine lathes, milling machines, planers, and shapers in connection with the fabrication of metal parts, tools, and machines.

Studies blueprint, selects metal stock, and lays out work. Sets up work in machines and selects correct cutting tool for each type machine. Operates metal-working machines such as engine lathe for shaping, milling machine for surfacing by action of rotating cutter, planer for cutting flat surfaces, power hack saw for sawing stock to length, shaper for shaping exterior surfaces, vertical boring mill for cutting circular or cylindrical surfaces, and drill press for cutting holes.

Checks dimensions of part during machine process with micrometers, calipers, gauges, and ruler. Cleans and oils each machine used. Sharpens cutting tools on grinder. Removes metal from parts, using hand tools such as files and scrapers. Fits and assembles parts according to blueprints.

Must have a good knowledge of the working properties of various metals such as steel, wrought iron, cast iron, and aluminum. Must be able to read and interpret blueprints and lay out work accordingly.

Suggested Military Assignment:

- Group I.* 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)
302 Machine Operator (Designated Machine) (CE, Ord Dept)

- 341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

AUTOMATIC TELEPHONE SYSTEM MAINTENANCE MAN (5-53.230) 115

Panel Dial Equipment Step-by-Step Dial Repairman Equipment Repairman

Repairs and maintains automatic telephone equipment in a central office.

Tests circuits and equipment to locate trouble, using testing devices such as millivoltmeters, picks, spring tension gauges, voltmeters, and ohmmeters. Diagnoses cause of trouble and makes repairs or adjustments by soldering proper connections, cleaning parts, or replacing defective or worn parts such as relays, selectors, keys, connector switches, jacks, lamps, cords, plugs, generators, and rectifiers. Performs daily or periodic operations to maintain efficient operation of power system, alarm system, line finder, selector, connector switch blanks and associated relays, cleaning all contacts, lubricating where necessary, and measuring contact clearances. Builds replacement parts when not available. Uses wide variety of tools and equipment including cutting and long nose pliers, screw drivers, socket wrenches, thickness gauges, soldering iron, burnishing tool, hack saws, files, and various testing equipment.

Must be thoroughly familiar with functioning, mechanism, wiring, and maintenance techniques of intricate switching mechanisms and wiring plans of automatic telephone systems. Must be able to read circuit diagrams.

Must have had civilian experience in automatic telephone system maintenance with Bell Telephone, Western Electric, or similar commercial communications concern.

Suggested Military Assignment:

- Group I.* 187 Repeaterman, Telephone (AAF, Sig C)
232 Switchboard Installer-Repairman, Manual (Sig C)
261 Wire Chief, Telephone and Telegraph (AAF, Sig C, TC)
384 Installer, Toll Telephone and Telegraph (Sig C)

DREDGEMAN (5-23.010) 116

- Drag Tender Dredge Operator
Dredge Hand Foreman, Dredge
Dredge Leverman Pipe-Line
Operates dredge equipment and machinery

aboard a vessel to excavate or move sand or mud fill and other material under water.

Watches suction and discharge gauges to see that water and fill are drawn in and discharged at proper rates. Operates levers controlling excavating mechanisms, winches, steam valves, raising and lowering of suction pipes, moving of dredge equipment and drags. May supervise laying of heavy pipe lines for dredging operations.

Should have thorough working knowledge of dredging operations obtained through training and experience in the field.

Suggested Military Assignment:

Group I. 116 Dredgeman (CE)

MARINE FIREMAN (7-70.210) 117

Maintains proper steam pressure in marine boilers by stoking coal burners or controlling feed valves of oil burners.

Observes steam gauge to determine steam pressure and water gauge to assure that proper amount of water is maintained in boiler.

Removes clinkers, ashes, and sludge from burners by means of bars, shovels, and wires.

Must understand the purpose of such devices as safety valves, steam and water gauges, blow-off cocks, condensers, feed water heaters, feed pumps, and ejectors.

Must hold a Fireman's certificate issued by the U. S. Government.

Suggested Military Assignment:

Group I. 084 Stationary Fireman (CWS, Ord Dept, QMC, TC)

111 Locomotive Fireman (TC)

117 Marine Fireman (CAC, CE, TC)

Group II. 080 Marine Engineer (AAF, CE, TC)

082 Stationary Engineer (CE, CWS)

MASTER, SHIP (0-88.02) 118

Port Captain Tugboat Captain

Steamship Captain

Assumes complete charge of the operation of and responsibility for any vessel requiring licensed officers.

Is responsible for the safe navigation of the ship, supervision of officers and crew, maintenance of a day by day log of events, and safety of passengers and crew in disasters.

Must hold a Department of Commerce license as master of coastwise, oceangoing or Great Lakes vessels.

Suggested Military Assignment:

Group I. 118 Small Boat Operator (CE, TC)

547 Master, L Boat (CAC)

MATE (0-88.03) 119

First Mate

Third Mate

Second Mate

Tugboat Mate

Stands a watch on deck. Supervises the work of seamen and deckhands in cleaning and handling deck engines and deck equipment. Plans loading and unloading of cargo.

Must hold a Department of Commerce license as mate of coastwise, oceangoing, or Great Lakes vessel.

Suggested Military Assignment:

Group I. 118 Small Boat Operator (CE, TC)

547 Master, L Boat (CAC)

MEAT OR DAIRY INSPECTOR

(0-95.11) 120

Drug and Food Inspector Food and Dairy Inspector

Inspects establishments in which foods and drugs are manufactured, stored, handled, or sold to enforce city, state, and federal standards of sanitation, purity, and grading.

Visits establishments to investigate sanitary conditions and the health of persons handling the products. Collects samples of products for chemical and bacteriological analysis. Confirms, destroys, and stops sale of all impure, adulterated or misbranded products. Secures evidence of violation of food and drug laws to be used in prosecution of offender. Sees that all establishments are properly licensed and that personnel handling food or drugs have medical certificates when required.

Must be familiar with city, state, or federal regulations pertaining to food and drugs.

Suggested Military Assignment:

Group I. 120 Meat or Dairy Inspector (MD)

Group II. 250 Veterinary Technician (AAF, MD)

UTILITY REPAIRMAN (5-83.611) 121

Handyman

Maintenance Man

Keeps machines, mechanical equipment, and physical structures of an establishment in good repair and working order by performing a wide variety of maintenance duties.

Makes ordinary building repairs such as rough wood work, simple plumbing, painting, masonry, and electrical wiring. Performs general repair work on mechanical equipment. Uses tools of several trades rather than specializing in one trade or one type of maintenance work.

Should be able to work from sketches or blueprints.

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Suggested Military Assignment:

- Group I.** 050 Carpenter, General (Any arm or service)
 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)
 121 Utility Repairman (Any arm or service)
 144 Painter, General (Any arm or service)
 164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

STUDENT, MEDICINE (0-X7) 122

Has completed at least 2 years of a course leading to a degree in medicine at a recognized medical college.

Suggested Military Assignment:

- Group I.** 409 Medical Technician (MD)
 411 Chemical Laboratory Assistant (AAF, CE, CWS, QMC)
 657 Medical Aidman (AAF, MD)
 858 Medical Laboratory Technician (MD)
 861 Surgical Technician (MD)
Group II. 196 Sanitary Technician (MD)
 250 Veterinary Technician (MD)
 859 Pharmacy Technician (AAF, MD)

NURSE, PRACTICAL (2-38.20) 123

Nurse, Industrial
 First-aid Man

Renders first aid and subsequent treatment by sterilizing, disinfecting, and bandaging minor cuts and burns, applying artificial respiration, and by relieving pain of major injuries until services of a doctor are obtained. Performs services for care and comfort of the patient.

Cooperates with the physician by administering medicine, injections, or massages. Records pulse and temperature readings. Gives patient bed baths. Attends bedridden, convalescent, infirm, or mental patients.

May visit employee's homes to attend to their medical needs. May aid in reducing accidents by preparing studies on the need for better lighting, ventilating, and recreational facilities.

Should have practical nursing experience either attending private patients in their homes or as an industrial first-aid man.

Suggested Military Assignment:

- Group I.** 409 Medical Technician (AAF, MD)
 657 Medical Aidman (AAF, MD)
 861 Surgical Technician (AAF, MD)

Group II. 858 Medical Laboratory Technician (MD)

STEWARD (2-25.12) 124

Banquet Steward Kitchen Manager
 Commissary Man Kitchen Steward
 Purchases food, prepares menus, and stores and issues food in a hotel or restaurant.
 Requisitions purchases, inspects, stores, and issues food and supplies. Directs the preparation and serving of food. Is responsible for the cleanliness and sanitation of kitchen, storeroom, and dining room. Supervises kitchen and dining room personnel in the performance of their duties.

Estimates quantities and costs of daily menus. Keeps records and accounts and prepares reports.

Suggested Military Assignment:

- Group I.** 055 Clerk, General (Any arm or service)
 060 Cook (Any arm or service)
 835 Supply Clerk (Any arm or service)

ELECTROPLATER (4-74.010) 125

Galvanizer Metal Plater
 Gold Plater Nickel Plater
 Machine Plater Tin Plater
 Vatman

Covers metal objects electrolytically with a coating of nickel, gold, or other metal that can be buffed and polished to a bright and relatively rustproof finish.

Cleans objects by immersing them in a succession of cleaning baths. Immerses cleaned objects in a vat or tank containing a solution of metallic salts of the plating metal. Regulates electrical controls to keep a specified intensity of electric current flowing through the plating solution. Removes metal objects from tank, rinses them in water, and dries objects by hanging them in air or rolling them in sawdust.

Mixes acids and standard solutions for pickling, washing, and plating processes. Operates steam kettles and dryers. Operates roughing, polishing, buffing, and finishing wheels of various kinds.

METEOROLOGIST (0-39.51) 126

Weather Forecaster Weather Observer
 Weatherman

Studies weather conditions and forecasts weather changes.

Takes meteorological instrument readings,

keeping daily records. Prepares weather reports and maps.

Uses instruments for recording wind velocity, temperature, humidity, barometric pressure, and rainfall.

Must understand the theory of atmospheric phenomena and weather forecasting.

Suggested Military Assignment:

Group I. 784 Weather Observer (AAF, CAC, CWS, FA)

787 Weather Forecaster (AAF, CWS)

MILLWRIGHT (5-78.100) 127

Machine Erector Maintenance Mechanic
Machine Repairman Plant Changer

Changes the lay-out and set-up of machines and mechanical equipment in a plant or mill wherein the machinery is usually of the heavy type, and keeps the machines and equipment in efficient operating condition.

Dismantles, moves, installs, or repairs machines, power shafts, pulleys, conveyors, hoists, and other equipment. Uses hoists, block and tackle, dollies, rollers, and trucks to aid in moving machinery. Uses hand tools in erecting or dismantling machines or in installing new or repair parts. Uses measuring devices, such as squares, micrometers, calipers, and plumb bob in erecting machine foundations, in installing the machines and equipment in correct position and in aligning power shafts and pulleys.

May do electric arc and acetylene welding, rough carpentry, painting, plumbing, and sheet metal work. May keep material and timesheet records.

Must be able to read blueprints and written specifications. May estimate cost of machine and equipment repair and installation. Must know building codes, safety laws, and regulations covering the installation and movement of heavy machinery and equipment.

Suggested Military Assignment:

Group I. 050 Carpenter, General (Any arm or service)

144 Painter, General (Any arm or service)

164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

256 Welder, Combination (Any arm or service)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

MULTILITH OR MULTIGRAPH

OPERATOR (1-25.20) 128

Duplicating Machine Duplicator
Operator

Produces duplicate copies of printed matter by the operation of multilith, multigraph, or similar machines.

Stacks blank paper in feed carrier of multilith machine and adjusts paper guides to allow proper flow of paper through machine. Covers printed or typed plate with protective solution and secures plate to revolving drum of machine. Packs ink paste in ink fountain, using putty knife. Starts machine and checks printed matter to determine marginal correctness and general appearance. Corrects faulty margins by adjusting marginal screw controls. Adjusts ink control and paper flow.

Sets type by hand in semicircular drum or attaches plate to drum and installs drum in multigraph machine. Stacks blank paper in feed carrier and adjusts paper guides to allow proper flow of paper through machine. Adjusts automatic feed and fills ink fountain or adjusts ribbon. Starts machine and checks printed matter to determine marginal correctness and general appearance. Corrects faulty margins by adjusting marginal screw controls. Adjusts ink control to allow for flow as necessary.

Cleans machines and oils moving parts. Keeps record of copies printed and files plates. Removes, sorts, and cleans type.

Operation of mimeograph, ditto, addressograph machines, are included under both Clerk, General 055 and Clerk-Typist 405. Operation of photostat machine included under specification for Blueprinter or Photostat Operator 028.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

128 Multilith or Multigraph Operator (AGD, QMC, TC)

Group II. 028 Blueprinter or Photostat Operator (TC)

167 Lithographic Pressman (AAF, CE)

FOUNDRYMAN (4-81.000) 129

Bench Molder Floor Molder
Coremaker Furnace Man
Cupola Charger Machine Molder
Cupola Tender Molder

Makes iron, aluminum, and other metal castings.

Forms sand molds by sifting sand into flask

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(framework for shaping mold) and compacting the sand around pattern to be formed, using a hand ramming tool. Withdraws pattern from mold, using draw screw, and patches slightly damaged impressions, using a molder's slick (knifelike smoothing tool). Applies coating of powdered coal, graphite, or molasses to strengthen mold impression.

May charge, fire, or tend furnace.

May make sand cores used in molds to form holes or hollows in metal castings.

Must have knowledge of molding sands and how they are mixed. Must understand molding machines and the best temperature for casting different types of metals.

Suggested Military Assignment:

Group I. 129 Foundryman (CE, Ord Dept, TC)

ANIMATION ARTIST (0-44.51) 130

Animator Cartoonist, Motion Picture

Draws a series of figures, designs, or cartoons which are later photographed for motion pictures.

Receives scenario and background material from director, and plans means of graphically representing ideas as actions. Decides on special animation techniques to be used. Produces a sequence of drawings, each drawing showing a slightly more advanced stage of the motion being depicted than the preceding one. Draws free-hand, using inking pens, T-square, triangles and French curves.

Must know the principles and techniques of making animated motion pictures by means of separately photographed drawings, and how to obtain smooth screen results.

Suggested Military Assignment:

Group I. 130 Animation Artist (Sig C)
296 Artist (Any arm or service)

FILM EDITOR, MOTION PICTURE

(0-06.28) 131

Motion Picture Cutter

Edits, arranges continuity, selects scenes, and composes film in connection with the production of motion pictures.

Labels each scene and watches it as it is run through a moviola. Selects desired scenes and rearranges them to produce better continuity and rhythm, and to add more interest appeal. May synchronize sound track with motion picture film. Reviews final assembly on a moviola.

Suggested Military Assignment:

Group I. 131 Film Editor, Motion Picture (Sig C)

287 Sound Editor, Motion Picture (Sig C)

407 Sound Mixer, Motion Picture (Sig C)

Group II. 208 Sound Recorder, Motion Picture (Sig C)

ELECTRICIAN, MOTION PICTURE

(4-97.150) 132

Boardman Motion Picture

Chief Electrician Electrician

Controls and supervises the lighting of sets in the production of motion pictures.

Studies script and drawings showing light details to ascertain where the main action is to take place and number of actors involved. Directs crew to assemble various kinds and sizes of lights and mount them in commanding positions. Confers with cameraman on lighting arrangements and directs boardman to turn lights on or off at a signal from the director. Supervises assembly of equipment and transportation, set-up and operation of portable generators and transformers, lighting, and other electrical equipment when on location.

Must know how to connect electrical circuits between lights, power sources, and transformers.

(For electrical maintenance of other motion picture equipment, see 207 Sound Recording Equipment Maintenance Man and 415 Electrician, Sound Transmission.)

Suggested Military Assignment:

Group I. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

132 Electrician, Motion Picture (Sig C)

415 Electrician, Sound Transmission (Sig C)

LABORATORY TECHNICIAN, MOTION

PICTURE (5-86.080) 134

Developer Laboratory Contact Man

Film Technician Laboratory Supervisor

Printer

Works in a motion picture film processing laboratory in which motion picture negatives are developed and positive prints for projections are made.

Judges whether film being processed is of proper quality and determines what corrective measures to take when the laboratory work fails to meet the prescribed standard. Adjusts film printing machinery so that the continuous projection print made from separate negatives will

be of uniform density throughout. Designs equipment to meet laboratory needs.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

134 Laboratory Technician, Motion Picture (Sig C)

945 Photographic Laboratory Technician (AAF, CE, Sig C)

ELECTRIC LOCOMOTIVE REPAIRMAN

(5-83.433) 135

Maintains and repairs motors and electrical equipment on electric or Diesel-electric locomotives in a locomotive repair or machine shop.

Makes trial runs, inspecting locomotives to determine defects in electric mechanisms and controls, and prepares check sheets for repairs required. Disassembles electric control equipment, transformers, shunts, and electric circuits; tests parts; and replaces parts where necessary. Disassembles, repairs, and assembles electric motors and generators.

Equipment includes general mechanic's tools, differential and monorail hoists, and ohmmeters and voltmeters for testing electrical equipment.

Must have knowledge of the construction and operation of electric locomotives.

Suggested Military Assignment:

Group I. 135 Electric Locomotive Repairman (TC)

304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

Group II. 912 Electrician, Automotive (AAF, CE, Ord Dept)

MODEL MAKER (0-44.71) 136

Architectural Modeler

Constructs models of specified size, using clay, plaster, plaster of paris, wood, metal, or other material, for such industries as ship and boat building, automobile manufacturing, motion picture production, art, display, or training.

Follows written and oral specifications, sketches, drawings, or blueprints. Uses simple hand tools appropriate for cutting or shaping the particular material being used in the model.

Suggested Military Assignment:

Group I. 136 Model Maker (AAF, CE, Sig C, TC)

Group II. 050 Carpenter, General (Any arm or service)

PROJECTIONIST, MOTION PICTURE

(5-55.010) 137

Cinematographer

Operates and makes minor repairs to motion picture projection and sound reproducing equipment to produce coordinated effects upon a screen.

Feeds film into projector, regulates projection light, and adjusts sound reproducing equipment. Observes operation of machines, and may transfer operation from one machine to another without interrupting smooth flow upon screen. Inspects film for defects on rewinding devices and splices broken film, using film scraper, film cement, and splicing press. Cleans equipment and replaces such parts as the projection lamp, exciter lamp, amplifier, sprocket wheels and felt guide rollers.

May place cue members on film. May operate a spotlight.

Suggested Military Assignment:

Group I. 043 Cameraman, Motion Picture (AAF, Sig C)

137 Projectionist, Motion Picture (AAF, Sig C)

Group II. 449 Process Background Supervisor (Sig C)

MOTORCYCLE MECHANIC

(5-81.020) 138

Motorcycle Repairman

Tests, maintains and repairs motor, frame, electrical system, wheels, and other parts of motorcycles.

Examines and tests equipment to determine causes for faulty operation by visual inspection or by road test. Tears down motor, transmission, or running gear requiring repair and repairs or replaces worn or defective parts. Reassembles unit, grinding and scraping such parts as require alignment and close tolerances.

Uses tools and equipment such as hammers, punches, chisels, socket and open end wrenches, files, hack saws, thickness gauges, squaring plate, fly wheel truing device, bench lathe, connecting rod aligner, valve refacing machine, and power grinders.

Must have a good knowledge of construction and operation of standard types of motorcycles. Should have some knowledge of welding and brazing.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

138 Motorcycle Mechanic (Ord Dept)

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- Group II.** 912 Electrician, Automotive (AAF, CE, Ord Dept)
 926 Mechanic, Fuel Induction (AAF, CE, Ord Dept)

PACKER, HIGH EXPLOSIVES

(7-68.452) 139

- Dynamite Packer Nitroglycerine Packer
 Guncotton Packer Powder Packer
 Gunpowder Packer

Packs high explosives such as nitroglycerine, TNT, gunpowder, guncotton, dynamite, or blasting powder for transfer, shipment, or storage.

Operates weighing machines and testing devices to determine air content of each packed container.

Must be familiar with safety regulations governing the handling of explosives. Must understand the method of storing explosives to prevent deterioration.

Suggested Military Assignment:

- Group I.** 901 Munitions Worker (Any arm or service)

- Group II.** 533 Demolition Specialist (AAF, CE)

729 Pioneer (Cav, CE, Inf, TD)

949 Ammunition Renovator (Ord Dept)

OILER, LOCOMOTIVE (7-71.010) 140

- Engineer Helper Lubricator
 Greaser Mechanic's Helper

Lubricates moving parts and wearing surfaces of locomotives and cars.

Selects appropriate lubricants and fills oil can, grease gun, or other container. Squirts or pours oil on moving parts or into holes, oil cups, and reservoirs. Adjusts feed of oil from cups or reservoirs so that proper amounts reach moving parts. Forces grease into bearings with grease gun and packs grease cups by hand. Cleans machinery and equipment.

May make simple repairs and adjustments.

Suggested Military Assignment:

- Group I.** 112 Locomotive Mechanic (TC)

141 Marine Oiler (CAC, CE, TC)

MARINE OILER (7-71.110) 141

Lubricates main engines, auxiliaries, and electric motors aboard ship.

Fills oil and grease cups to keep machinery in running order and to prevent overheating. Assists marine engineer in repair work such as packing, pipe fitting, and general overhaul. Operates main and auxiliary engines by opening and closing throttle valves to start, stop, and

control engines. Cleans engines by wiping excess oil from engine frames and base. Mops deck plates and washes wall plates in engine room. Must hold an oiler's certificate issued by the U. S. Government.

Suggested Military Assignment:

- Group I.** 141 Marine Oiler (CAC, CE, TC)

- Group II.** 080 Marine Engineer (AAF, CE, TC)

117 Marine Fireman (CAC, CE, TC)

PAINTER, AUTOMOBILE (5-16.910) 143

Repaints automobiles or damaged surfaces of automobiles.

Prepares vehicle or equipment for painting by removing dirt, grease, and other foreign substances from surface, using pressure steam or water. Removes old paint by hand or machine sanding, blow torch, or by applying paint remover. Applies primer, enamel, lacquers, or other materials by filling chamber of spray gun, adjusting air pressure valve, and spraying to provide a smooth and uniform coating, sanding surface lightly between coats. Cuts stencils from thin, hard or waxed cardboard for use in painting identification signs on vehicle or equipment, using hand knife, ruler, and square.

May prepare and mix paints to procure desired colors and consistency.

Suggested Military Assignment:

- Group I.** 144 Painter, General (Any arm or service)

145 Painter, Sign (CE, Ord Dept, TC)

PAINTER, GENERAL (5-27.010) 144

- Painter, Exterior Painter, Maintenance
 Painter, Interior Varnisher

Applies paint by brush or spray gun to exterior and interior of warehouses, hangars, and other structures.

Cleans and removes old paint and varnish, using putty knife, wire brush, sandpaper, and blowtorch. Matches and mixes paints and varnish, using proper amounts of pigment, linseed oil, turpentine, and coloring tints. Erects scaffolding by means of sectional ladders and planks or a working platform suspended from the roof. Fills nail holes or crevices with putty or plastic wood.

Sandpapers work and applies coatings of stain, shellac, and varnish.

Suggested Military Assignment:

- Group I.** 144 Painter, General (Any arm or service)

145 Painter, Sign (CE, Ord Dept, TC)

Group II. 121 Utility Repairman (Any arm or service)

189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

PAINTER, SIGN (5-27.910) 145

Letterer

Designs, lays out, and paints signs on cloth, metal, wood, glass, paper, and other materials.

Makes signs and builds simple displays, using carpenter's or tinner's tools. Mixes and matches paints.

Should be able to do rapid freehand lettering. May lay gold leaf on glass surfaces.

Suggested Military Assignment:

Group I. 144 Painter, General (Any arm or service)

145 Painter, Sign (CE, Ord Dept, TC)

PARACHUTE REPAIRMAN

(7-49.023) 147

Repairs damaged parachutes and accessory equipment.

Sews and patches canopies by hand or machine. Replaces defective shrouds and splices connections between shrouds and harness.

Must be familiar with all materials used in parachute construction and be able to repair or replace any part of parachute assembly. Must be licensed by the Federal Government.

Suggested Military Assignment:

Group I. 044 Canvas Cover Repairman (QMC)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

620 Parachute Rigger and Repairman (AAF)

Group II. 200 Sewing Machine Operator (QMC)

234 Tailor (AAF, QMC)

PATTERN MAKER, WOOD

(5-17.020) 148

Die Lay-out Man Pattern Setter

Builds wooden patterns, core boxes, and match plates according to blueprint dimensions, allowing for shrinkage of metals.

Operates band saw, circular saw, borer, router, lathe, planer, drill press, sander, and shaper. Checks results with calipers, rules, shrinkage rules, protractors, squares, straight edges, and other measuring instruments.

Suggested Military Assignment:

Group I. 113 Woodworking Machine Operator (CE)

136 Model Maker (AAF, CE, Sig C, TC)

148 Pattern Maker, Wood (CE)

Group II. 050 Carpenter, General (Any arm or service)

121 Utility Repairman (Any arm or service)

270 Cooper (QMC, TC)

PHARMACIST (0-25.10) 149

Apothecary

Pharmaceutical Botanist

Druggist

Pharmacologist

Compounds and dispenses medicines, filling prescriptions prepared by licensed physicians, veterinarians, and dentists.

Measures out proper amounts of each chemical and drug indicated in prescription using balance scales and graduates. Combines ingredients to make solutions, powders, tablets, and ointments. Prepares standard compounds for stock according to specifications and measurements listed in the United States Pharmacopoeia Manual. Maintains stock of drugs, chemicals, and other pharmaceutical supplies.

Must be able to perform routine assays and tests to determine the identity, purity, and strength of drugs. Must have a thorough knowledge of pharmacology, materia medica, and toxicology.

Must have a state license to practice pharmacy.

Suggested Military Assignment:

Group I. 149 Pharmacist (MD)

859 Pharmacy Technician (AAF, MD)

CRYSTAL GRINDER (6-98.080) 150

Crystal Grinder, Finish Crystal Grinder, Rough Grinds and calibrates crystals to be used in crystal-controlled radio sets.

Processes crystal wafers to the specifications required for a given frequency, using a small drill press with circular holder revolving between abrasive-coated iron plates. Measures and adjusts frequency of crystal by the use of standard electronic frequency measuring and calibrating equipment, and by hand finishing.

May perform minor maintenance on equipment.

Must be familiar with all types of crystal cuts and their characteristics. Must know the type of holder to be used, the required crystal activity and tolerances, and the type of test unit to be used in calibrating and supplying crystals for any particular set.

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Suggested Military Assignment:

Group I. 150 Crystal Grinder (Sig C)

Group II. 365 Optician (AAF, MD)

PHOTOGRAPHER (0-56.11) 152

Commercial Photographer Still Cameraman

Makes indoor and outdoor photographs of people, merchandise, exteriors and interiors, locations, machinery, or fashion models for advertising or publicity purposes.

Arranges subject matter, background material, and lighting, to bring out desired features, adjusts camera accordingly, and takes picture. May perform darkroom work. May make and process copies of documents, maps, paintings, and photographs.

Must understand the mechanics, operation, care, and maintenance of still cameras of various types and their accessories. Must have knowledge of the fundamentals of optics, filters, use of auxiliary lighting units and photographic chemistry, including use of various chemical solutions and laboratory equipment necessary to processing of negatives.

Should have experience as commercial photographer.

Suggested Military Assignment:

Group I. 152 Photographer (AAF, CE, CMP, CWS, Sig C)

940 Aerial Photographer (AAF)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

Group II. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

107 Photolithographer (AAF, CE)

939 Aerial Photographer-Gunner (AAF)

PHOTOGRAPHER, PHOTOENGRAVING (4-47.100) 153

Cameraman Photographer, Roto

Photographs illustrative material to prepare negatives for later use in printing with zinc or copper plates.

Mounts illustration on background and focuses camera to reduce or enlarge picture to desired size; places fine cross-lined glass plate in front of film if illustration is a photograph, or arranges fine screen on illustration if it is a line drawing; exposes film to mounting, using strong artificial light; develops and dries films to form negatives. May prepare photosensitive glass plates for exposure in camera.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

107 Photolithographer (AAF, CE)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

PHOTOGRAPHIC LABORATORY TECHNICIAN (5-86.510) 154

Aerial Photographic Laboratory Technician

Photographic Darkroom Man

Developer

Photographic Technician, Aerial

Enlarger

Printer

Performs a variety of tasks in connection with the operation of a photographic laboratory.

Prepares and mixes photographic solutions. Develops negatives by immersing them in chemical solutions. Makes prints, placing negative over sensitized paper and exposing to electric light for a specified length of time. Removes prints from machine, develops them in chemical solutions, and dries them between blotters or on plates. Trims and mounts photographs.

May spot or retouch photographic prints. May develop and print aerial photographs and assemble aerial mosaics.

Must be thoroughly familiar with photographic laboratory equipment such as film developers, film driers, and print driers. Must be familiar with various types of sensitized materials, print washer and other chemicals used in connection with photographic work.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

Group II. 028 Blueprinter or Photostat Operator (TC)

PHOTOGRAPHER, PORTRAIT (0-56.21) 155

Camera Artist

Cameraman

Photograph Maker

Operates studio cameras and accessory photographic equipment in making portrait photographs.

Poses subject and arranges the lighting and background so as to emphasize the most desirable features. Makes adjustments in focus of camera, inserts plate, and squeezes shutter control bulb to take picture. May develop nega-

tives, make contact prints and enlargements, and retouch negatives and spot prints.

Uses flood and spot lights, screens, reflectors, and diffusers.

Must understand mechanics, operation, care, and maintenance of still cameras and their accessories. Must have knowledge of the fundamentals of optics, filters, and photographic chemistry, including use of various chemical solutions and laboratory equipment necessary to processing of negative.

Should have experience as a commercial photographer.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

940 Aerial Photographer (AAF)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

Group II. 107 Photolithographer (AAF, CE)

939 Aerial Photographer-Gunner (AAF)

PHOTOGRAPHER, RETOUCHING

ARTIST (5-86.540) 157

Rotogravure Retoucher

Retouches imperfect areas of photographic negatives and prints.

Examines negative and prints through magnifying glass or by naked eye and changes the density of high light and shadow areas. Inserts appropriate backgrounds, and eliminates undesirable subject matter by retouching fluid, knives, pencils, and French chalk.

Must have a general knowledge of photography and the application of retouching fluids and tools. Must have depth perception. Should have commercial experience.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

Group II. 107 Photolithographer (AAF)

939 Aerial Photographer-Gunner (AAF)

940 Aerial Photographer (AAF)

MICROFILM EQUIPMENT REPAIRMAN

(5-83.901) 158

Repairs, rebuilds, adjusts, and maintains the mechanical and electrical parts of microfilm

photographic equipment and accessories.

Diagnoses faults appearing on the microfilm, such as poor exposures, overlapping and uneven illumination, and determines the source of mechanical or electrical malfunctioning.

Disassembles microfilm machine and checks for worn or missing parts such as slipping clutches and rollers, and shorts in resistors, and adjusts and tightens loose parts. Installs new condensers, switches, brushes, and lamp assemblies. Solders wire connections with soldering iron.

Inspects continuous enlarging and paper processing equipment and makes any necessary adjustments and repairs.

Suggested Military Assignment:

Group I. 016 Laboratory Technician, V-mail or Microfilm (Sig C)

042 Camera Repairman (AAF, Sig C)

158 Microfilm Equipment Repairman (Sig C)

PHOTORADIO OPERATOR (0-61.70) 159

Facsimile Operator

Regulates radio equipment to transmit and receive photographs, diagrams, and black and white sketches.

Sets up photograph or material to be transmitted and adjusts controls to obtain proper transmission. Sets up equipment and makes adjustments for receiving.

May develop negative and print photographs of material received.

Must have technical knowledge of the equipment used in local and long distance photoradio transmission.

Usually holds sound telegrapher's license.

Suggested Military Assignment:

Group I. 893 Facsimile Operator

PHYSICS LABORATORY ASSISTANT

(0-50.23) 160

Knock Engine Tester Research Assistant

Petroleum Laboratory Scientific Helper

Technician Soils Technician

Petroleum Test Engine

Operator

Performs various duties in a physics laboratory in connection with conducting tests and research in such phases of physical phenomena as mechanics, heat, liquid, and pneumatic pressure.

Assists physicists in testing strength and physical properties of various materials. Assembles

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and prepares equipment for tests. Observes material being tested and records meter readings, physical reactions, and other results. Makes mathematical and algebraic computations to place results in standard form by applying prescribed formulae.

May conduct routine tests without supervision.

Uses apparatus for determining melting point, vapor density, and specific gravity. Uses scales, glass and rubber tubing, furnaces, flow meters, hardness testers, strainometers, gauges, and thermometers.

Must have completed courses in high school or college physics, or have equivalent training or experience.

Suggested Military Assignment:

Group I. 160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)

Group II. 411 Chemical Laboratory Assistant (CWS, MD, QMC)

PIGEON TRAINER (3-07.60) 161

Pigeon Fancier

Breeds and trains homing and other pigeons to be used as messengers.

Feeds and takes care of pigeons. Selects those suitable for message carrying. Chooses appropriate pairs and mates them during breeding period. Treats birds for minor ailments and injuries. Supervises the preparation of their food and keeps lofts in sanitary condition.

Should have thorough knowledge of the various types of homing or Antwerp pigeons, and the reliability and flying speeds of homing pigeons under various climatic conditions. Should understand methods used in racing pigeons over long distances.

Suggested Military Assignment:

Group I. 560 Pigeoneer (AAF, Sig C)

PIPE FITTER (5-30.010) 162

Gas Fitter

Installs, bends, cuts, and threads air, water, gas, and low pressure steam pipes, boiler and pump connections.

Locates position of pipe by measuring. Cuts holes in floor or walls with an ax, saw, or drill. Bolts or screws pipe hangers to supports. Cuts large pipe to correct length with chisel and hammer or acetylene torch, and small pipe with pipe-cutting machine. Threads pipe with stock and dies. Bends pipe by hand driven or power driven machine. Assembles pipe with couplings and fastens to hangers. If pipe has flange fit-

tings, places gasket in flanges and bolts pipe together. Calks pipe and makes hydrostatic pressure tests of complete work.

Suggested Military Assignment:

Group I. 121 Utility Repairman (Any arm or service)

164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

STEAM FITTER (5-30.410) 163

Lays out, cuts, threads, bends, assembles, and installs high pressure steam pipes and related equipment.

Sets up and operates hand or power driven pipe cutting, threading, and bending machinery. May assemble and install steam furnaces from written specifications and blueprints. May fasten jackets around furnace with bolts, and cover it with asbestos insulation.

Suggested Military Assignment:

Group I. 121 Utility Repairman (Any arm or service)

164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

PLUMBER (5-30.210) 164

Assembles and installs air, gas, water, and waste disposal systems.

Cuts opening in walls for pipe. Bends pipe over blocks by hand. Cuts, reams, and threads pipes, using saw, pipe cutter, reamer, stock, and dies. Calks and wipes joints. Pours molten solder over joints and spreads and shapes solder with a cloth. Tests joints and pipe system for leaks by filling pipe with water under pressure and checking with a gauge for a fall in pressure. Installs gas, water, and sanitary fixtures and equipment with their supports, hangers, or foundations.

Suggested Military Assignment:

Group I. 121 Utility Repairman (Any arm or service)

164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

LINEMAN, POWER (5-53.420) 165

Erects and repairs poles, cables, transformers, and auxiliary equipment for the transmission of electric power.

Digs holes and sets up poles which support power lines. Climbs poles and attaches cross arms, insulators, and transformers. Attaches wires to insulators by means of a tie-wire and makes connections by stripping insulation from wire ends, twisting and soldering wires together,

and covering wires with friction tape. Connects transformers and leads to buildings.

Must have knowledge of electricity and the tools and equipment used in electrical construction work.

Suggested Military Assignment:

Group I. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

165 Lineman, Power (CE)

182 High Voltage Lineman (TC)

Group II. 238 Lineman, Tp and Tg (AAF, Sig C, TC)

POWERMAN (5-51.510) 166

Telephone Plant Powerman

Operates and maintains such central office equipment as motors, generators, storage batteries, and motor-driven apparatus used to furnish or transmit power for telephone or telegraph operation.

Turns power on and off as required, checks various gauges and dials for proper performance of equipment, and does minor maintenance such as tightening loose connections, soldering broken wires or parts, replacing defective parts, and cleaning contacts.

Suggested Military Assignment:

Group I. 081 Engineman, Operating (AAF, CAC, CE, Sig C, TC, TD)

166 Powerman (AAF, Sig C)

506 Portable Power Generator Repairman (Ord Dept)

846 Portable Power Generator Operator (Ord Dept, QMC)

LITHOGRAPHIC PRESSMAN (4-48.070) 167

Operates a rotary lithographic press.

Sets up and adjusts lithographic plates in press to insure accurate register. Mixes inks for desired color effects, processes lithographic plates, and maintains file of plates. Makes minor adjustments to press.

Should have experience with color lithography, preferably map work.

Suggested Military Assignment:

Group I. 128 Multilith or Multigraph Operator (AGD, QMC, TC)

167 Lithographic Pressman (AAF, CE)

169 Job Pressman (CE)

PRINTER (4-44.000) 168

Compositor Stereotyper

Press Operator Typesetter

Does all around job shop printing such as composing and making up standard forms, special forms, blanks, instructions, data, and reports, such as are required in commercial printing work.

Sets and assembles type by hand or machine. Places type in chase and spaces by inserting leads or furniture. Locks up form.

Must know type style and printed page make-up and how to operate platen and cylinder presses.

May tear down and distribute type.

Suggested Military Assignment:

Group I. 167 Lithographic Pressman (AAF, CE)

168 Printer (AAF, CE)

169 Job Pressman (CE)

JOB PRESSMAN (6-49.420) 169

Printing Press Operator, Job Press

Makes ready and tends the operation of a printing press for printing small quantities of printed matter.

Locks up, makes ready, and runs all of the usual kinds of printed material, including tabular matter and halftones. Understands how to adjust and operate automatic feeders and hand feed at reasonable speeds. Estimates stock and cuts paper on a guillotine cutter.

Should have experience on both platen and cylinder presses.

May do some make-up.

Suggested Military Assignment:

Group I. 167 Lithographic Pressman (AAF, CE)

168 Printer (AAF, CE)

169 Job Pressman (CE)

ENGINEERING AIDE (DESIGNATED FIELD) (0-50.23) 170

Ammunition

Mechanics

Artillery

Optics

Automotive

Photography

Aviation

Radio

Ballistics

Rockets

Electricity

Small Arms

High Explosives

Assists in engineering tests on various types of equipment in fields such as those listed above.

Performs such engineering activities as dynamometer tests, acceleration tests, traction tests, and cooling tests on automotive equipment; and such other testing activities used to insure that material complies with specifications.

Sets up and repairs apparatus for the above

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tests, and may design apparatus to meet a specified test where standard apparatus is lacking.

Prepares reports, summarizing tests performed and makes recommendations concerning results. Assists in the preparation of data, photographs, and other materials for various technical manuals.

May use developing and printing apparatus in preparing photographs. May use draftsman's tools to prepare sketches and diagrams for reports.

Should have completed high school scientific subjects including physics, chemistry and trigonometry, or have equivalent training or experience.

Experience as an assistant mechanical or electrical engineer, senior or junior engineering aide, radio technician, or physical or chemical laboratory assistant highly desirable.

Suggested Military Assignment:

Group I. 170 Engineering Aide (Designated Field) (Any arm or service)

QUARRYMAN (5-21.040) 171

Hammerman Rockman
Rock Splitter

Drills and blasts masses and splits or breaks stone, using explosives and tools.

Does hard and soft rock quarrying of broken, rough, or dimensioned stone. Loads rock into boxes to be hoisted out of quarry pit. Assists in moving power shovel from one loading position to another. Uses cranes for handling heavy rock and loading cars. Operates a jackhammer to drill holes in quarry stone and drives wedges into the holes to break or split off slabs or blocks of stone.

Must have knowledge of rock formation and cleavage in throwing down and breaking up masses of rock.

Suggested Military Assignment:

Group I. 533 Demolition Specialist (AAF, CE)

656 Submarine Mine Loader (CAC)

729 Pioneer (Cav, CE, Inf, TD)

901 Munitions Worker (Any arm or service)

AUTOMOBILE RADIATOR MAN

(5-81.530) 172

Cleans and repairs automobile radiators, pumps and other parts of cooling systems.

Inspects and determines radiator trouble by visual inspection or by testing flow of water through radiator core with a motor driven pump

and gauge. Cleans radiator cores by boiling in hot water or immersion in acid bath. Repairs leaks and defective parts by replacing worn and defective radiator hoses, stripping, soldering or replacing radiator cores, disassembling and replacing worn and leaking gaskets in water pumps.

Uses hand and power drills, bench vise, acetylene torch, and hand tools.

Suggested Military Assignment:

Group I. 061 Coppersmith (TC)

201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)

RADIO REPAIRMAN (5-83.411) 174

Radio Mechanic Radio Technician
Radio Serviceman Trouble Shooter, Radio

Installs, inspects, tests, and repairs radio transmitting and receiving instruments and related equipment.

Tests equipment using voltmeter, ohmmeter, tube testers, and oscillograph. Isolates and corrects defects either by repairing units, including resistors, condensers, and hook-up wire, or by replacing defective parts. Improvises or makes substitutions for defective parts when replacements are not available.

Uses small machine and hand tools.

Must have general knowledge of the theory of operation of radio transmitters, receivers, and related equipment including antennae, dynamotors, control boxes and power supply.

Must have experience as commercial radio repairman, or have equivalent training as an amateur radio operator.

Suggested Military Assignment:

Group I. 648 Radio Repairman (Any arm or service)

Group II. 647 Radio Repairman, Aircraft Equipment (AAF, Sig C)

649 Radio Repairman, Fixed Station (AAF, Sig C)

759 Radio Operator, CNS (AAF)

BANDSMAN, OBOE (0-24.12) 175

Plays oboe in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 175 Bandsmen, Oboe (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, BASSOON (0-24.12) 176

Plays bassoon in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 176 Bandsman, Bassoon (Any arm or service)

442 Entertainment Specialist (Any arm or service)

RADIO OPERATOR (0-61.30) 177

Transmitter Operator Wireless Operator
Transmitter Technician

Receives and sends messages using radio telegraph or radio-telephone equipment or both.

Transmits messages by voice or international code. Receives messages and types them on special forms. Keeps a log of messages received in accordance with government regulations.

Makes minor repairs and adjustments such as changing tubes, adjusting frequencies, replacing fuzes, and adjusting keys using pliers, screw drivers, and wrenches.

Must hold a federal license.

Suggested Military Assignment:

Group I. 740 Radio Operator, Intermediate Speed (Any arm, Sig C)

756 Radio Operator, AAF (AAF)

766 Radio Operator, High Speed, Manual (Armd Comd, Cav, CE, Inf, Sig C)

776 Radio Operator, Low Speed (Any arm or service)

Group II. 760 Radio Operator, AACS (AAF)

777 Radio Operator, High Speed, Automatic (Sig C)

RADIO ENGINEER (0-17.01) 178

Radio Technician Station Engineer

Designs and constructs radio equipment and does research and experimentation, such as developing tubes, condenser, loudspeakers and receiving equipment.

Supervises workers in installing radio equipment and instructs in operation necessary for efficient broadcasting. Inspects radio parts, making calibration and other tests. Checks apparatus for compliance with specifications.

May assume full responsibility for the operation of a radio station.

Must have completed a course leading to a degree in radio engineering at an accredited

college or university, or have the equivalent practical training or experience.

Suggested Military Assignment:

Group I. 648 Radio Repairman (Any arm or service)

649 Radio Repairman, Fixed Station (AAF, Sig C)

756 Radio Operator, AAF (AAF)

AIRCRAFT ASSEMBLER (5-03.500) 179

Aircraft-Engine Assembler Hydraulic-Control-Unit Assembler

Fuel-and-Oil-Units Landing Gear Assembler
Assembler Skin Man

Fuselage Assembler

Assembles component parts of airplanes to form units, such as tails, wings, and fuselage sections, or joins assembled units to form airplanes.

Fits together, in jigs, structural members such as bulkheads, ribs and spars, and rivets the parts together. Covers airplane skeleton work with sheet metal, trims metal, and rivets skin to the skeleton. Fits strips of wood trim onto fuselage, cutting off excess with hand saw. Fastens in position using clamps and screws. Finishes trim by planing and varnishing it. Installs baggage floor.

Uses various types of ordinary or special, manually, electrically, or pneumatically operated tools such as shapers and drills. Reads blueprints and uses precision measuring instruments such as calipers and gauges.

Suggested Military Assignment:

Group II. 528 Airplane Hydraulic Mechanic (AAF)

550 Airplane Woodworker (AAF)

555 Airplane Sheet Metal Worker (AAF)

573 Welder, Aircraft (AAF)

665 Fuel Cell Repairman (AAF)

684 Airplane Power Plant Mechanic (AAF)

685 Airplane Electrical Mechanic (AAF)

686 Airplane Instrument Mechanic (AAF)

687 Airplane Propeller Mechanic (AAF)

689 Airplane Cable Mechanic (AAF)

747 Airplane and Engine Mechanic (AAF)

957 Airplane Electrical Instrument Mechanic (AAF)

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SIGNAL MECHANIC, RAILWAY
(5-79.170) 181

Installs, repairs, and maintains signal equipment of a railway system.

Locates, erects, repairs, and tests signal equipment along railroad route such as lamps, lanterns, oscillating arms, crossing bells, and switch indicators. Tests circuits connected to signals. Repairs and installs new signals. Installs and maintains insulated rail-joints. Adjusts switches and switch boxes. Repairs interlocking towers. Checks batteries, refilling with water or installing new ones. Cleans signal lamps and lenses.

Equipment includes hand saw, pliers, screw drivers, files, splicing clamp, wire splices, soldering irons, blow torch, and pole climbing aids such as safety belt and climbing irons.

Must be familiar with rules and regulations governing operation of standard railways. Must be familiar with principles of railway signal systems including manually operated, automatic, semiautomatic, and fixed signals. Should be able to read blueprints.

Suggested Military Assignment:

Group I. 039 Cable Splicer, Tp and Tg (AAF, Sig C)

078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

181 Signal Mechanic, Railway (TC)

HIGH VOLTAGE LINEMAN
(5-53.420) 182

Erects, maintains, and repairs high voltage (6,600 to 230,000 volts) catenary systems used for transmission of power in operation of electric railway systems.

Locates high voltage lines. Erects poles. Climbs poles, using climbing tools and aids. Strings wires and ties. Provides static protection and sets up guys and braces. Makes branch connections and connects transformers and leads.

Tools and equipment includes climbing irons, safety belt, soldering iron, solder, pliers, screw driver, wrenches, hammer, hacksaw, insulating and friction tape, earth borer, and pole jack.

Must be familiar with standard operating rules and regulations governing railway electric transmission systems. Should understand principles of rigging.

Suggested Military Assignment:

Group I. 165 Lineman, Power (CE)

182 High Voltage Lineman (TC)

Group II. 238 Lineman, Tp and Tg (AAF, Sig C, TC)

281 Third Rail Repairman (TC)

401 High Voltage Cable Splicer (TC)

SUBSTATION OPERATOR
(5-51.210) 184

Operates a substation switchboard, by automatic or manually controlled apparatus, to regulate the flow of electric current through transmission lines.

Operates switches, circuit breakers, converters and stepdown devices to regulate amount and type of current transmitted to trolley systems or third rails. Checks ammeters to determine amount of current consumed.

Must be familiar with standard operating rules and regulations governing railway or other electric power transmission systems. Must have knowledge of system of light signals used to indicate opening and closing of high voltage switches or breakers.

Suggested Military Assignment:

Group I. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

092 Generator Switchboard Operator (CE)

184 Substation Operator (CE, TC)

258 Substation Electrician (CE, TC)

RAILWAY SHOP DISPATCHER
(0-97.51) 183

Plans and schedules railroad shop operations involving the repair and fabrication of locomotive and passenger and freight car parts.

Analyzes shop operations and coordinates shop work to insure appropriate distribution and completion of work on schedule.

Must be familiar with the work of boiler-makers, blacksmiths, machinists, car carpenters, Diesel, electric, and steam locomotive mechanics, and pipefitters. Must know railroad shop organization and practices.

Suggested Military Assignment:

Group I. 205 Shop Engineer, Railway (TC)

RAILWAY SIGNAL OPERATOR
(5-44.020) 185

Railway Towerman

Operates track switches from a control tower by manipulating levers to route railroad traffic in a railroad yard or at a switching point, following train schedules, special orders, and safety regulations.

Uses telegraph or telephone to receive and transmit train orders.

Must be familiar with principles of railway signaling including manually operated, automatic, semiautomatic, and fixed signals. Must know railroad safety regulations.

Suggested Military Assignment:

- Group I.* 069 Dispatcher, Railway (TC)
181 Signal Mechanic, Railway (TC)
185 Railway Signal Operator (TC)
236 Telegraph Operator (CE, TC)

RECEIVING OR SHIPPING CHECKER

(1-34.15) 186

Loading Checker Order Checker
Merchandise Checker Platform Checker

Checks materials or merchandise listed on bills of lading or shipping tickets, into and out of warehouses or storerooms.

Keeps simple stock records. Checks materials at warehouses or storerooms and assists in taking physical inventories. Insures the completeness of outgoing shipments by checking such details as quantity, quality, labeling, and addressing against customer's order or other records.

Suggested Military Assignment:

- Group I.* 835 Supply Clerk (Any arm or service)

REPEATERMAN, TELEPHONE

(5-53.060) 187

Telegraph Repeater Installer

Installs and maintains amplifying repeater units to increase signal strength over long lines in a wire communication system.

Connects wires to proper terminal lugs on the repeater and makes operating adjustments of variable impedances to balance the circuits for minimum of interference and noise on the lines. Tests circuits and equipment to locate trouble, using testing devices such as millivoltmeter, volt-ohmmeter, and ohmmeter. Diagnoses causes of faulty operation and cleans, repairs, or replaces broken or defective units, using soldering iron, screw driver, pliers, wire cutters, knife, hammer, saw, brace and bit, and electrical testing devices.

Must have a thorough knowledge of telephone circuits and theory of operation of repeater coils and amplifying sets. Should have civilian experience with commercial repeater and carrier equipment.

Suggested Military Assignment:

- Group I.* 097 Installer-Repairman, Tp and Tg (AAF, CE, Ord Dept. Sig C)
187 Repeaterman, Telephone (AAF, Sig C)

- 384 Installer, Toll Tp and Tg (Sig C)
Group II. 232 Switchboard Installer-Repairman, Manual (Sig C)

LABORER, CONSTRUCTION

(9-32.00) 188

Cement and Concrete Laborer, Highway
Finisher Laborer, Sewer and
Hod Carrier Waterworks
Laborer, Bridge Laborer, Wrecking
Laborer, Building

Performs heavy laboring duties in connection with such activities as bridge building, highway, pipe line, railroad, river, harbor, sewer, and waterworks construction. Aids in the excavation for, and erection of, buildings, piers, and abutments, and in the establishment of pipe line and railroad rights-of-way. Duties include ditch digging, sawing, hammering, handling and using simple heavy and light construction tools, and carrying heavy loads of materials and equipment.

Builds concrete forms, pours and finishes concrete, spins wire cables on bridges, raises and fastens steel framework, and lays floor plate. Performs simple duties in installing electrical, heating, plumbing, and other building fixtures and equipment; and in painting and decorating structures. Razes old structures, salvages usable material, and removes debris.

Grades roads and prepares subgrade. Prepares and lays out various types of road surfaces such as asphalt, brick, concrete, tamped earth, gravel, macadam, stone, and wood block. Installs guard rails and stone or concrete curbing.

Lays pipe with bell, screw, or welded joints. Concretes tunnel walls. Back fills ditches after pipe is laid. Installs masonry or pipe culverts, lays ties and rails, and ballasts track.

Uses such tools and equipment as ax, adz, spade, tamper, cant hook wrench, sledge hammer, air hammer, track jack, scoop, concrete mixer, concrete vibrator, and concrete gun.

Suggested Military Assignment:

- Group I.* 188 Duty Soldier II (Any arm or service)

RIGGER (5-88.020) 189

Crane Rigger Machine Mover
Sets up, braces, and rigs hoisting equipment used in moving heavy materials.

Performs such rigging work as erecting radio antennae, flagpoles, and smokestacks and moving heavy machinery, engines, girders, beams, trusses and like objects involving the use of derricks,

cranes, gin poles, A-frames, cableways, chain blocks, and hoisting engines.

Splices rope or steel cable. Erects and hangs working platforms. Reeves and runs rope and guy wire for operating power equipment.

Suggested Military Assignment:

Group I. 065 Seaman (AAF, CAC, TC)
189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

619 Balloon Rigger (CAC)

Group II. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

100 Structural Steel Worker (AAF, CE, TC)

529 Wrecker Crewman (Ord Dept)

RIVETER, PNEUMATIC (6-84.640) 190

Rivets girders, columns, plates, machine parts, boiler and other steel plate in connection with general construction or in the fabrication and repair of agricultural equipment, boilers, railway locomotives and cars.

Inserts die in head of pneumatic hammer. Places die against shank of rivet in hole and presses trigger, causing die to pound and shape head on rivet shank and thus clinch parts or plates together. Reams misaligned holes with electrically driven or hand reaming tool.

Suggested Military Assignment:

Group I. 030 Boilermaker (TC)
100 Structural Steel Worker (AAF, CE, TC)

Group II. 189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)

RODMAN AND CHAINMAN, SURVEYING (7-87.000) 191

Axman, Surveying Surveyor Assistant
Stakeman

Works as a member of a field survey party engaged in the collection of data concerning terrain features and topographical measurements.

Holds a sight rod, level rod, and a stadia rod so that location lines, elevations of stations between lines, and approximate distances between stations can be determined. Takes linear measurements by means of steel tape. Carries and drives measuring stakes. Carries equipment used by survey party such as level, sight and stadia rods, stakes, transits and steel measuring tapes.

Clears right of way in advance of survey party by removing brush, trees, branches, and other obstacles, using ax, brushhook, or bolo knife.

Suggested Military Assignment:

Group I. 191 Rodman and Chainman, Surveying (CE)

228 Survey and Instrument Man (CE, FA, TC)

Group II. 227 Surveyor (AAF, CE, QMC)

SADDLE AND HARNESS MAKER

(4-62.120) 192

Harness Repairman Saddler

Makes and repairs harness, saddle, and similar leather equipment by cutting, fitting, and stitching various parts together.

Lays out, cuts, and fits leather parts using hand tools and splitting machine. Sews leather by hand or uses a lockstitch sewing machine. Makes a variety of small leather parts for replacement on harness, saddle, bridle, and other equipment. May replace hardware held by leather binding such as hasps, rings, and snaps.

Uses such tools as saddler's clamp, leather splitting machine, screw driver, punch riveting hammer, punches, rivet cutting nippers, shears, sharpening stone, draw gauge, dividers, pliers, riveting anvil, slicker, thimbles, needles, pegging awls, saddler's anvil, and a steel slicker for smoothing leather.

Should have completed an apprenticeship as a saddler and harness maker.

Suggested Military Assignment:

Group I. 192 Saddle and Harness Maker (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

609 Leather and Canvas Worker (AAF, CWS, Ord Dept, QMC)

Group II. 204 Shoe Repairman (AAF, QMC)

SALVAGE INSPECTOR (0-91.80) 193

Broker, Salvage Dealer, Salvage Buyer, Salvage

Inspects, tests, and examines broken or worn material to determine which of its component parts may have resale or reclamation value.

Should have a knowledge of salvage operations and costs. Should know the relative scarcity of materials and their reclamation or resale value. Should know the physical and chemical properties of metals and other materials used in manufacturing mechanical devices.

Suggested Military Assignment:

Group I. 194 Salvage Technician (AAF, QMC)

Group II. 204 Shoe Repairman (AAF, QMC)

234 Tailor (AAF, QMC)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

SALVAGE MAN (1-61.60) 194**Buyer, Junk Junkman**

Reclaims and classifies salvageable supplies and equipment from waste materials.

Determines the repairability and salvage value of cotton, wool, and leather clothing, supplies, and equipment. Classifies ferrous and nonferrous metals, and sorts cast or wrought iron, and steel.

Uses such tools as hack saws, acetylene burners, wrenches, chisels, and wrecking bars in dismantling, automobiles, engines, and other heavy metal equipment.

*Suggested Military Assignment:**Group I.* 194 Salvage Technician (AAF, QMC)*Group II.* 204 Shoe Repairman (AAF, QMC)

234 Tailor (AAF, QMC)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

SHIPPING CLERK (1-34.13) 195**Shipper**

Directs and participates in the assembly and shipping of merchandise or material, and keeps pertinent records.

Supervises the activities of several assistants who select, pack, weigh and ship goods. Maintains records of goods shipped.

Makes up bills of lading and shows routes to be followed. Posts weight and shipping charges. Keeps a file of shipping records.

Must have considerable knowledge of shipping procedures and practices, routes, rates, and available means of transportation.

*Suggested Military Assignment:**Group I.* 835 Supply Clerk (Any arm or service)**SANITARY TECHNICIAN (0-66.41) 196**

Directs the work of a general program carried on for the prevention of disease.

Carries out programs for the control of epidemic communicable diseases. Compiles statistics and graphic charts from current morbidity reports. Makes working sketches of various types of sanitary devices used in insect, rodent and vermin control, or in waste disposal and water purification.

May investigate and report on conditions likely to lead to the spread of communicable diseases. May enforce local sanitary and health regulations.

Should have office or field experience in public health. Should have technical training in public sanitation and hygiene.

*Suggested Military Assignment:**Group I.* 196 Sanitary Technician (MD)**SUBMARINE CABLE STATION****TECHNICIAN (5-53.910) 197**

Tests and repairs submarine cable terminal equipment.

Diagnoses faults in relays, automatic controls, printers, distributors, reperforators, and radio teleprinters used in electronic submarine cable transmission. Traces out circuits to isolate faulty mechanism using such testing devices as voltmeter, ohmmeter, and megometer. Replaces or repairs worn or defective parts or cleans faulty mechanisms such as contacts and contact gaps. Makes time sequence adjustments in mechanisms. Tests submarine cable, using cable testing set, to determine whether cable is in working order in continuity and insulation, and to locate faults or breaks preventing communication between terminals. Adjusts and tests signal shaping equipment, shaping impulses which are received, to obtain clearest and most legible signal.

Uses wrenches, screw drivers, contact files, pliers, soldering iron, tommy, thickness gauges, camel's hair brushes, burnishers, magnifiers, jewelers' screw driver, and tweezers.

Must know and be able to send or receive submarine cable code.

*Suggested Military Assignment:**Group I.* 197 Submarine Cable Station Technician (Sig C)*Group II.* 239 Teletype Mechanic**SECTION FOREMAN, RAILWAY****(5-94.140) 198**

Supervises excavation and grading of railroad right-of-way and laying, leveling, and tamping of railroad tracks.

Supervises excavation and grading work preparatory to laying track and is responsible for proper drainages, curvatures, grades, and clearances. Supervises track laying operations such as laying ties and rails, proper spacing of ties and rails, and installation of switches and sidings. Is responsible for maintenance and repair of tracks, regrading right-of-way, and replacing ties and rails as necessary.

Supervises use of such equipment as rail sections and ties, switches, jacks, claws, track gauges and levels, sliding plates, bulldozers, and motor railway cars.

Must be able to work from blueprints. Must be familiar with semaphore signals used by railroads.

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Suggested Military Assignment:

Group I. 199 Section Hand, Railway (TC)
356 Foreman, Labor (AAF, CE,
QMC, TC)

SECTION HAND, RAILWAY

(9-32.41)

199

Laborer, Railway **Trackman**

Excavates and grades railroad right-of-way and lays and levels railroad tracks.

Levels right-of-way and builds up low places by filling with dirt preparatory to laying track. Lays ties and rails. Drives spikes into ties to hold rails in position. Lays sliding plates and switches. Levels and tamps tracks.

Should be familiar with railroad semaphore signals.

Suggested Military Assignment:

Group I. 199 Section Hand, Railway (TC)

SEWING MACHINE OPERATOR

(6-27.500)

200

Stitcher

Operates a sewing machine in the production of garments, upholstery, awnings, textile bags, or other articles.

Makes minor adjustments to machine to suit the various weights of cloth used. Lubricates and cleans the machine.

Suggested Military Assignment:

Group I. 200 Sewing Machine Operator

(QMC)

Group II. 234 Tailor (AAF, QMC)

609 Leather and Canvas Worker

(AAF, CE, CWS, Ord Dept,

QMC)

SHEET METAL WORKER

(4-80.000)

201

Bench Hand **Sheet Metal Lay-Out Man**

Fabricates, assembles, installs, and repairs sheet metal articles and equipment.

Cuts sheet metal, using hand, rotary, or square shears. Shapes sheet metal into tubular or other uniformly curved shapes, using forming machine. Punches or drills holes for rivets, bolts, and screws, using center punch and hammer, or drill. Assembles sheet metal parts, brackets, and hangers by bolting, riveting, or fitting them into units for erection. Makes attachments, seams, and joints by welding, riveting, bolting, soldering, or nailing, or by fastening with metal dies and wood screws. Uses welding equipment, soldering iron, hammer, and screw driver. Grinds or fills seams, joints, and rough surfaces.

Should be able to read blueprints.

Suggested Military Assignment:

Group I. 030 Boilermaker (TC)
061 Coppersmith (TC)
201 Sheet Metal Worker (AAF, CE,
CWS, Ord Dept, QMC, TC)

Group II. 256 Welder, Combination (Any arm or service)

555 Airplane Sheet Metal Worker (AAF)

CARPENTER, SHIP (5-25.600)

202

Boat Joiner **Shipwright****Boatbuilder**

Builds and repairs small wooden boats, barges, tugs, launches and makes repairs to wooden structures on large ships.

Prepares wooden framing and foundations to support boats under repair or construction. Lines up and trues keel blocks, sets shores, erects stages, and builds ship's cradle. Repairs such wooden parts of ships as keel, ribs, planking, decks, cabins, masts, gunwales, and bulkheads by cutting, shaping, and fitting wooden parts.

May prepare cargo-battens and wooden sheathing for bulkheads.

Suggested Military Assignment:

Group I. 050 Carpenter, General (Any arm or service)

202 Carpenter, Ship (CE, TC)

270 Cooper (QMC, TC)

456 Calker (TC)

Group II. 035 Carpenter, Heavy Construction (CE, TC)

PACKING CASE MAKER

(6-39.114)

203

Box Carpenter**Crate Maker****Box Maker, Wood****Crater**

Packs and crates miscellaneous merchandise for shipment to prevent damage en route.

Cuts lumber to size, using hand or power-driven saw. Nails pieces together to form crates or shipping boxes. Blocks and braces merchandise within crate.

Suggested Military Assignment:

Group I. 050 Carpenter, General (Any arm or service)

270 Cooper (QMC, TC)

Group II. 121 Utility Repairman (Any arm or service)

SHOE REPAIRMAN (4-60.100)

204

Benchman**Shoemaker****Cobbler**

Repairs men's and women's shoes.

Resoles and reheels shoes. Mends ripped seams, patches holes, cements insoles, replaces counters and shines shoes.

Uses bench jack and various hand tools, such as hammer, snippers, and cobbler's knife. Operates shoe repairing machines such as finisher, sole cutter and skiver, buffer and patcher.

Must know different grades of leather and other supplies used in shoe repairing.

Suggested Military Assignment:

Group I. 192 Saddle and Harness Maker (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

204 Shoe Repairman (AAF, QMC)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

SHOP ENGINEER, RAILWAY

(0-19.01)

205

Supervises installation, operation and maintenance of railroad repair shop buildings, equipment, machinery, and facilities.

Sets up rules and regulations for operation of plant machinery, safety, and fire prevention. Plans shop lay-out and insures that shop superintendent and shop foreman enforce shop rules and regulations.

Must be familiar with the work of boiler-makers, blacksmiths, machinists, car carpenters, Diesel, electric, and steam locomotive mechanics, and pipefitters. Must have thorough knowledge of construction and operation of mechanical equipment used to repair and fabricate locomotive and passenger and freight car parts.

Should have an engineering degree or equivalent experience.

Suggested Military Assignment:

Group I. 205 Shop Engineer, Railway (TC)

Group II. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

024 Blacksmith (AAF, Armd Comd, CE, CWS, Inf, Ord Dept, QMC, TC)

030 Boilermaker (TC)

112 Locomotive Mechanic (TC)

114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

SOUND PROJECTOR REPAIRMAN

(5-83.449)

206

Repairs, rebuilds, adjusts, and services 16-mm or 35-mm sound motion picture projectors.

Diagnoses faults occurring in sound projection and determines the source in terms of mechan-

ical or electrical malfunctioning. Oils, cleans, and replaces mechanical parts and makes adjustments for efficiency of operation. Inspects electrical wiring and makes repairs and adjustments.

Uses ohmmeters, voltmeters, and electrician's and mechanic's small hand tools.

May make small operating parts for sound projector, using precision tools.

Should have knowledge of construction and operation of sound projecting equipment and understand coordination of sound and picture projection.

Suggested Military Assignment:

Group I. 042 Camera Repairman (AAF, Sig C)

078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

206 Sound Projector Repairman (Sig C)

941 Camera Technician (AAF)

SOUND RECORDING EQUIPMENT

MAINTENANCE MAN (5-56.040)

207

Transmission Man

Repairs, adjusts, and maintains sound recording equipment used in making motion pictures.

Locates malfunctions, using such testing equipment as an ohmmeter and voltmeter. Repairs such equipment as microphones, amplifiers, sound mixing panels, attenuators, and recorders. Uses gauges, calipers, micrometers, screw drivers, pliers, and soldering iron. May make small operating parts for sound recording equipment, using precision tools.

Should understand the construction and operation of sound recording equipment. Must be skilled in the use of precision tools.

Suggested Military Assignment:

Group I. 207 Sound Recording Equipment Maintenance Man (Sig C)

415 Electrician, Sound Transmission (Sig C)

SOUND RECORDER, MOTION

PICTURE (0-66.13)

208

Film Recordist

Operates a recording machine that transfers sound impulses, into light impulses and records them on motion picture film.

Tests film feeding mechanism of recorder for proper alignment of film. Loads recording machine with film. Starts recorder by turning stator and rotar switches and by turning record-

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ing switch to recording position. Checks condition of amplifier and noise reducer by use of voltmeter and ammeter. Watches monitoring screen while recording is being made, and listens to recording through earphones. Notes readings of frequency indicator, tachometer, and lamp current ammeter to see that machine is operating properly. Lubricates equipment and replaces tubes.

Suggested Military Assignment:

Group I. 208 Sound Recorder, Motion Picture (Sig C)

415 Electrician, Sound Transmission (Sig C)

Group II. 287 Sound Editor, Motion Picture (Sig C)

407 Sound Mixer, Motion Picture (Sig C)

SUBMARINE CABLE STATION

OPERATOR (1-41.12) 209

Transmits or receives submarine cable messages in Morse international code at a minimum speed of 25 words per minute.

Transmits messages by perforating tape for automatic transmission, using a perforating machine with typewriter keyboard, or hand transmitting with double key. Receives cable messages from siphon recorder tape, reading from moving inked tape and simultaneously recording with typewriter. May record messages from sound receiver. Makes minor adjustments in siphon recording, teletype printer or other terminal equipment, such as tightening loose connections and regulating speed of tape draw-off motor. Maintains station log, message files, and other records pertaining to handling of messages. May supervise or instruct other operators.

Must be thoroughly familiar with submarine cable code and with the sending procedure. Must be capable of typing at a minimum of 30 words per minute. Should be familiar with teletypewriter operation.

Must have experience as submarine cable terminal operator for Western Union or other commercial cable concern.

Suggested Military Assignment:

Group I. 209 Submarine Cable Station Operator (Sig C)

236 Telegraph Operator (CE, TC)

Group II. 055 Clerk, General (Any arm or service)

BARN BOSS (3-44.10) 210

Corral Man Stable Boss
Hostler

Assumes full responsibility for the condition of horse or mule stables and for the care of animals.

Treats minor ailments and injuries and carries out the veterinarian's directions for the treatment of more serious conditions. Supervises and assigns duties to stablemen. Determines the proper kind and amount of rations to feed animals.

Suggested Military Assignment:

Group I. 250 Veterinary Technician (AAF, MD)

710 Stable Sergeant (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

712 Packer, Animal (Cav, CE, FA, Inf, Ord Dept, QMC)

STATION AGENT, RAILWAY

(1-44.22) 211

Express Agent, Railway Ticket Agent, Railway Freight Agent

Supervises operation of a local railroad station.

Performs routine duties such as selling tickets, answering inquiries, distributing time schedules, and keeping records of ticket sales and cash receipts.

May transmit and receive telegraph messages.

Should be familiar with rules and regulations governing railroad operation.

Suggested Military Assignment:

Group I. 236 Telegraph Operator (CE, TC)

Group II. 055 Clerk, General (Any arm or service)

069 Dispatcher, Railway (TC)

373 Sales Clerk (Any arm or service)

STATISTICAL CLERK (1-36.01) 212

Report Clerk Tabulating Clerk

Compiles data from records and special reports to provide a basis for statistical studies.

Consolidates data from source records making simple tabulations and computations for use in statistical analysis. Maintains current statistical records and makes reports showing simple analyses.

May prepare illustrative charts and graphs. May perform other clerical duties such as operating duplicating machines, typewriting, and handling correspondence.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

STENOGRAPHER (1-37.12) 213
 Court Reporter Secretary
 Medical Secretary

Performs general office work requiring a minimum shorthand rate of 75 standard words per minute and an ability to transcribe notes on a typewriter at a minimum rate of 40 words per minute. May record legal proceedings and prepare edited transcription of record.

Performs such additional work as filing, indexing, and record keeping.

Equipment used includes typewriter and various office machines such as mimeograph, ditto and adding machine.

Must be proficient in grammar, spelling, punctuation, and correct English usage.

Suggested Military Occupational Assignment:

Group I. 213 Stenographer (Any arm or service)

405 Clerk-Typist (Any arm or service)

STONEMASON (5-24.210) 214
 Cement and Concrete Finisher Stonecutter
 Flagsetter

Builds and repairs stone walls, drains, incinerators, and similar structures.

Trims, faces, cuts, and surfaces stones to proper size, shape, or finish, using mason's tools such as hammer, chisel, and patching tool. Spreads binding mortar and places stone in approximate position by hand. Moves stone to final position using hammer, mallet, crow or pinch bar. Aligns stone with square, level, and plumb bob. May drill holes in stone for insertion of metal ties and anchors by using electric or hand drill.

Should be able to work from blueprints or sketches.

Suggested Military Assignment:

Group I. 034 Bricklayer (AAF, Ord Dept, TC)

214 Stonemason (CE, TC)

STORAGE BATTERY ELECTRICIAN (5-39.411) 215

Battery Charger Storage Battery Repairman

Tests, charges, and repairs storage batteries used in cars, trucks, and automotive equipment for ignition, lighting, and starting.

Examines and tests unserviceable batteries by visual inspection and by use of such testing devices as voltmeter and hydrometer. Checks connector terminals, straps, casing, and cell plates to determine feasibility of repair and future serviceability.

Charges batteries, using such charging apparatus as motor generators, rotary converters, mercury arc rectifiers and voltage regulators. Checks and tests individual cells at various intervals during charging process to ascertain rate of charging and need for adjustment in regulators on charging panel.

Disassembles defective batteries, carefully examining cell plates and separators, replacing eroded or warped parts, and reassembles units replacing cell covers and sealing with melted pitch. Mixes proper proportions of distilled water and sulphuric acid to produce electrolyte, fills each cell with required amount, and charges repaired batteries.

Uses such tools and equipment as screw drivers, hammers, brace and bit, drills, knives, pliers, hydrometers, voltmeters, portable and fixed battery charging equipment, acetylene torch, and battery water stills.

Must be thoroughly familiar with construction of storage batteries, and their electro-chemical properties.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

912 Electrician, Automotive (AAF, CE, Ord Dept)

STUDENT, ARCHITECTURAL ENGINEERING (0-X7) 216

Has successfully completed 3 years of a course leading to a degree in architectural engineering at an accredited college or university.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

074 Draftsman, Structural (CE, TC)

CIVIL ENGINEER (0-16.01) 217
 Construction Engineer Highway Engineer

Prepares designs, detailed plans, and specifications for the construction of bridges, waterworks, dams, highways, buildings, and municipal sanitary systems.

Develops methods to be used in the construction of various structures. Directs boundary, road, and railroad track surveys, the laying out of building locations, city blocks and lots, and the making of topographical surveys for road locations and dams.

Supervises the making of maps covering areas surveyed.

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May direct the installation and maintenance of equipment. May supervise the construction and maintenance of structures.

Conducts research in engineering fields. Holds a degree in civil engineering from an accredited college or university or an equivalent amount of training and experience.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

227 Surveyor (AAF, CE, QMC, TC)

230 Surveyor, Topographic (AAF, CE, FA, TC)

Group II. 059 Foreman, Construction (AAF, CE, TC)

ELECTRICAL ENGINEER (0-17.01) 218**Lighting Expert**

Plans and supervises the construction, installation, and maintenance of electrical power and lighting systems.

Designs and prepares specifications for electric power and light distribution systems including transformer stations, high tension power lines, and generating plants. Develops plans for or tests electrical equipment such as dynamos, transformers, switches, cables, switchboards, or electric railways. Supervises the manufacture, erection, or operation of the equipment listed above. Prepares charts and detailed drawings of plans and specifications.

Must have thorough knowledge of electrical materials and apparatus, power generation and distribution, and principles of magnetism and illumination.

Must have a degree in electrical engineering from an accredited college or have the equivalent in practical experience.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

075 Draftsman, Electrical (Sig C, TC)

Group II. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

647 Radio Repairman, Aircraft Equipment (AAF, Sig C)

648 Radio Repairman (Any arm or service)

649 Radio Repairman, Fixed Station (AAF, Sig C)

MECHANICAL ENGINEER

(0-19.01) 219

Automotive Engineer Structural Engineer

Combustion Engineer Tool Designer

Refrigeration Engineer Ventilating Engineer

Designs and constructs mechanical instruments, machine tools, internal combustion or steam engines, heating or industrial furnaces and other mechanical equipment.

Prepares drawings and specifications for steam heating systems, steam power plant equipment, electric light and power systems, transformer substations and lighting systems, and transmission systems in buildings. Designs and prepares drawings and specifications for steam, electric, or mechanical equipment and furnaces. Plans individual or central distribution systems for heat, gas, water, or steam.

Prepares specifications for purchase of hand and power tools. Plans arrangement of tools in shops. Inspects tools and supervises the installation, service connections, maintenance, alteration, and addition of such tools.

Conducts tests of machinery and equipment and writes reports on tests. Suggests improvements on equipment and methods. Performs research in mechanical engineering fields.

Must have a degree in mechanical engineering from an accredited college or university, or equivalent training or experience.

Suggested Military Assignment:

Group I. 071 Draftsman, Mechanical (CE, Ord Dept, TC)

114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

205 Shop Engineer, Railway (TC)

342 Master Mechanic

PUMP OPERATOR (7-72.510) 220

Booster-Pump Operator Pump Station Operator
Oil Pumpman Water Pumpman

Operates and maintains small power driven pumps.

Starts pumps and increases or decreases force of pumping as operating conditions warrant. Pumps liquids from one process to another, from storage tanks to processing equipment, or from low levels to surface or drainage tunnels. Cleans, oils and greases bearings and moving parts.

May perform a variety of repair work, depending on type equipment, such as connecting and tightening pipe connections, reseating valves, repacking stuffing boxes, tightening glands and

replacing worn or defective parts of pumps.

Suggested Military Assignment:

- Group I.* 081 Engineman, Operating (AAF, CAC, CE, Sig C, TC, TD)
220 Pump Operator (CE, QMC)
727 Water Supply Technician (CE)

STUDENT, CHEMICAL ENGINEERING

(0-X7) 221

Has successfully completed 2 years of a course leading to a degree in chemical engineering at an accredited college or university.

Suggested Military Assignment:

- Group I.* 070 Draftsman (AAF, CE, CWS, FA)
292 Chemist (CWS, QMC)
411 Chemical Laboratory Assistant (AAF, CWS, MD, Ord Dept, QMC)

- Group II.* 293 Chemical Engineer (CWS)

STUDENT, CIVIL ENGINEERING

(0-X7) 222

Has successfully completed 3 years of a course leading to a degree in civil engineering at an accredited college or university.

Suggested Military Assignment:

- Group I.* 070 Draftsman (AAF, CE, CWS, FA)
074 Draftsman, Structural (CE, TC)
076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)
191 Rodman and Chainman, Surveying (CE)
Group II. 227 Surveyor (AAF, CE, QMC, TC)
228 Survey and Instrument Man (CE, FA, TC)
230 Surveyor, Topographic (AAF, CE, FA, TC)
243 Geodetic Computer (AAF, CE)
387 Cartographer (CE)

STUDENT, ELECTRICAL ENGINEERING

(0-X7) 223

Has successfully completed 3 years of a course leading to a degree in electrical engineering at an accredited college or university.

Suggested Military Assignment:

- Group I.* 070 Draftsman (AAF, CE, CWS, FA)
075 Draftsman, Electrical (Sig C)
078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

- Group II.* 166 Powerman (AAF, Sig C)

- 258 Substation Electrician (CE, TC)

- 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

- 415 Electrician, Sound Transmission (Sig C)

- 571 Electrician, Harbor Defense (CAC)

- 572 Seacoast Gun Data Computer (CAC)

- 579 Casemate Electrician (CAC)

- 912 Electrician, Automotive (AAF, CE, Ord Dept)

STUDENT, MECHANICAL ENGINEERING

(0-X7) 224

Has successfully completed 3 years of a course leading to a degree in mechanical engineering at an accredited college or university.

Suggested Military Assignment:

- Group I.* 070 Draftsman, (AAF, CE, CWS, FA)

- 071 Draftsman, Mechanical (CE, Ord Dept, TC)

- 074 Draftsman, Structural (CE, TC)

- 160 Physics Laboratory Assistant (CE, CWS)

- Group II.* 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

- 080 Marine Engineer (CE, TC)

- NURSE, REGISTERED** (0-33.10) 225

Nurse, Operating Room Visiting Nurse
Performs nursing duties in wards and operating rooms of infirmaries, hospitals, and sanitariums.

Administers medicines, ointments, and drugs as instructed by physician. Observes and records description of symptoms. Takes and records temperatures, pulse, and respiration of patients. Bathes and massages invalids. Feeds patients and serves meals.

May prepare operating room, and assist in administering ether or chloroform. May observe patient's reaction, and adjust dressings during operation. May lay out and check sterilized instruments, sponges, and other equipment.

Suggested Military Assignment:

- Group I.* 196 Sanitary Technician (MD)

- 409 Medical Technician (MD)

- 858 Medical Laboratory Technician (MD)

- Group II.* 657 Medical Aidman (AAF, MD)

SURVEYOR (0-64.10) 227

Directs the work of a survey party engaged in

Sec. III

determining exact locations of points, elevations, lines, areas, and contours of land.

Makes preliminary and location surveys, compass surveys, topographical sketches, profile, and cross section surveys. Makes complete and clear field notes and plots them in regular form. Uses surveying instruments, such as a transit, alidade, levels, stadia rod, and aneroid compass. Makes trigonometric and algebraic calculations, using slide rule, logarithms and tables.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, CE, Inf, QMC, TC)

227 Surveyor (AAF, CE, QMC, TC)

230 Surveyor, Topographic (AAF, CE, FA)

Group II. 387 Cartographer (CE)

SURVEY AND INSTRUMENT MAN

(0-64.30) 228

Compass Man Plane-Table Man

Instrument Man, Surveying Transit man

Level Man

Determines angles, elevations, and the location of landmarks, buildings, rights-of-way, and particular terrain features including roads, rivers, forms and contours using surveyor's instruments.

Measures vertical or horizontal angles by taking instrument readings. Determines distances and elevations by trigonometric computation using slide rule or arithmetical methods. Keeps field notes, entering readings, and checks readings of angles and distances as they are observed. Surveys by means of plane table, stadia, theodolite, engineer's wye level, or transit to obtain the topography of a particular area for recording or map making.

Must have a thorough knowledge of mathematics, including plane and spherical trigonometry.

Should have school training in engineering or have equivalent experience in field survey operations.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

227 Surveyor (AAF, CE, QMC, TC)

228 Survey and Instrument Man (CE, FA, TC)

230 Surveyor, Topographic (AAF, CE, FA, TC)

MEDICAL EQUIPMENT MAINTENANCE

TECHNICIAN (5-83.641) 229

Repairs and maintains medical equipment in laboratory of a dispensary, infirmary, hospital, or other medical unit.

Examines and tests X-ray, physiotherapy, and operating room equipment to determine cause of faulty operation. Dismantles equipment and repairs or replaces worn or broken parts. Reassembles and tests unit for proper operation.

May act as technical advisor in the installation, operation and maintenance of equipment.

Suggested Military Assignment:

Group I. 098 Instrument Repairman, Non-electrical (CE, Ord Dept, Sig C)

121 Utility Repairman (Any arm or service)

229 Medical Equipment Maintenance Technician (MD)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

Group II. 264 X-ray Technician (MD)

SURVEYOR, TOPOGRAPHIC

(0-64.10) 230

Surveys terrain features using such instruments as transit, level, stadia and theodolite to establish angles, contours, distances, and elevations in connection with recording topographical features or map making.

Makes field sketches and notes of the location of roads, farms, rivers, lakes, and other terrain features.

Must have knowledge of topography and use of surveying instruments and auxiliary equipment.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

227 Surveyor (AAF, CE, QMC, TC)

228 Survey and Instrument Man (CE, FA, TC)

230 Surveyor, Topographic (AAF, CE, FA, TC)

Group II. 387 Cartographer (CE)

SWITCHBOARD INSTALLER, TELEPHONE AND TELEGRAPH, DIAL

(5-53.010) 231

Central Office Installer

Installs and tests switching and auxiliary equipment for dial telephone exchanges.

Erects iron work including cable racks, distributing frames, and power panels by bolting framework together and fastening to floor. Installs, fans out, and solders cables on terminal strips, and places and removes cross connections. Places, adjusts, tests, and repairs relays, lamps, keys, jacks, cords, plugs, selectors, brushes, terminal banks, switches, multicontact relays, and other equipment necessary for the proper functioning of a dial telephone exchange.

Uses hack saws, augers, ratchets, cutting pliers, countersinks, hydrometers, soldering irons, volt-meters, volt-ohmmeters, and wrenches.

Must be thoroughly acquainted with commercial-type dial switchboards and their installation and must have had civilian experience with Bell Telephone or Western Electric or similar commercial communications concern.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Tp and Tg (AAF, CE, Sig C)

115 Automatic Telephone System Maintenance Man (Sig C)

231 Switchboard Installer-Repairman, Dial (Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

187 Repeaterman, Telephone (AAF, Sig C)

384 Installer, Toll Tp and Tg (Sig C)

SWITCHBOARD INSTALLER, TELEPHONE AND TELEGRAPH, MANUAL

(5-53.010) 232

Central Office Installer

Installs and tests switching and auxiliary equipment for manual telephone exchanges.

Installs iron work, including cable racks, distributing frames, and power panels by bolting framework together and fastening to floor, ceiling, or wall. Places, fans out, and solders cables on terminal strips, and places and removes cross connections. Places, adjusts, tests, and repairs relays, lamps, jacks, cords, plugs and other equipment necessary for the proper functioning of a manual telephone exchange.

Uses hack saws, augers, ratchets, cutting pliers,

countersinks, hydrometers, soldering irons, volt-meters, volt-ohmmeters, and wrenches.

Must be thoroughly acquainted with large commercial-type manual switchboards and their installation. Must have civilian experience in installation of large switchboards for Bell Telephone or similar commercial communication firm.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Tp and Tg (AAF, CE, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

187 Repeaterman, Telephone (AAF, Sig C)

384 Installer, Toll Tp and Tg (Sig C)

Group II. 115 Automatic Telephone System Maintenance Man

SWITCHMAN, RAILWAY

(5-44.010) 233

Switches railroad cars in yard in accordance with written or verbal orders.

Couples and uncouples railroad cars and connects and disconnects air hose leading to brakes. Sets brakes by hand on cars not coupled to train or locomotive. Exchanges signals with engineer and brakeman.

Uses flares, flags, and lanterns.

Must be familiar with railroad operating and safety rules, semaphore signals, time tables, and train orders.

Suggested Military Assignment:

Group I. 033 Brakeman, Railway (TC)

Group II. 181 Signal Mechanic, Railway (TC)

185 Railway Signal Operator (TC)

TAILOR (4-26.000)

234

Alterations Tailor

Fitter

Dressmaker

Furrier

Makes tailored garments, such as suits, top-coats, overcoats, and dress clothes.

Measures customer for size and records measurements. Designs garment or copies design from fashion plates. Makes individual pattern to customer's measurements. Marks lines on material and cuts material to pattern. Assembles garment parts by hand sewing, padding coat front, lapels, and collars, and basting the garment parts together. Fits basted garment on customer and marks sections requiring alteration. Sews garment parts together by hand and sewing machine. May press garment.

Suggested Military Assignment:

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Group I. 200 Sewing Machine Operator
(QMC)

234 Tailor (AAF, QMC)

Group II. 609 Leather and Canvas Worker
(AAF, CE, CWS, Ord Dept, QMC)

TEAMSTER (7-37.100) 235

Cart Driver

Wagoner

Drayman

Drives an animal drawn vehicle consisting of one or more horses and mules in draft.

Coordinates movements in stopping, starting, changing direction, or backing. Checks and adjusts harness to prevent sores and skin abrasions. Feeds, waters and grooms animals. Cleans harness and equipment and lubricates vehicle.

May make emergency repairs to vehicle and harness. May assist in cleaning of stables, storage of hay and grain, and loading and unloading vehicle.

Must understand care of horses and mules.

Suggested Military Assignment:

Group I. 235 Teamster (Cav, FA, MD, QMC)

Group II. 192 Saddle and Harness Maker (Cav, CE, FA, Inf, MD, Ord Dept, QMC)

609 Leather and Canvas Worker
(AAF, CE, CWS, Ord Dept, QMC)

712 Packer, Animal (Cav, CE, FA, Inf, Ord Dept, QMC)

TELEGRAPH OPERATOR

(1-41.12)

236

Transmits and receives messages in International Morse code.

Sends clear and coded messages using telegraph key. Receives and records messages. Maintains station log, recording time of transmission and receipt of messages, operators' names, and other pertinent data.

Should be able to transmit and receive messages at a rate of approximately 16 words per minute. Should have a working knowledge of telegraphic procedure, abbreviations, and conventional signs.

Suggested Military Assignment:

Group I. 069 Dispatcher, Railway (TC)

236 Telegraph Operator (CE, TC)

776 Radio Operator, Low Speed
(Any arm or service)

TELETYPE OPERATOR

(1-37.330)

237

Multiplex-Machine Operator TWX Operator
Telegraphic-Typewriter Operator

Sends messages to various points by operating a Teletype, Simplex, or other make of telegraph printer which has a standard typewriter keyboard and is electrically connected to an identical machine at the receiving end that automatically types the message being sent.

Suggested Military Assignment:

Group I. 236 Telegraph Operator (CE, TC)

237 Teletype Operator (AAF, Sig C, TC)

790 Weather Observer-Teletype Technician (AAF)

LINEMAN, TELEPHONE AND

TELEGRAPH (5-53.410)

238

Installs, repairs, and maintains telephone and telegraph systems.

Locates telephone and telegraph poles and wires. Erects poles. Climbs poles, using climbing tools and aids. Strings wire, wire splices, and ties. Sets up guys and braces. Corrects causes of short circuits and splices broken lines.

Equipment includes climbing irons and safety belt, wire reel, test sets, repair set, earth borer, and pole jack.

Suggested Military Assignment:

Group I. 039 Cable Splicer, Telephone and Telegraph (AAF, Sig C)

238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

641 Field Lineman (CAC, CE, CWS, FA, Inf, Sig C)

Group II. 165 Lineman, Power (CE)

TELETYPE MECHANIC

(5-53.270)

239

Telegraphic-Typewriter Repairman

Installs, inspects, and services teletype machines, including receiving, transmitting, and relay units.

Test-operates machine to observe functioning and determine adjustments or repairs needed. Measures spring tensions in various parts of the equipment with finely calibrated scales and corrects tensions in various parts of the equipment in accordance with prescribed standards. Measures the separation of electrical contact points with metal gauges and adjusts points by means of set screws. Cleans and lubricates machine using oil and brush. Traces electrical faults with voltmeter and refers to wiring diagram in testing continuity and resistances.

Suggested Military Assignment:

Group I. 239 Teletype Mechanic (AAF, Sig C)

282 Office Machine Serviceman (Any arm or service)

Group II. 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)**TIRE REBUILDER (7-89.420) 240**

Curing Finisher	Tire Molder
Retreader	Tire Repairman
Tire Builder	Tread Cutter
Tire Inspector	Vulcanizer

Performs various tasks in connection with vulcanizing, retreading and recapping of pneumatic tires, and repair of inner tubes in a tire repair shop.

Removes old treads from tire and trims and smooths rubber even with fabric by holding tire against rapidly rotating wheel studded with nail-like points and then, against wire brush. Rebuilds treads by applying rubber cement compound to entire fabric with brush, building up treads with single or several layers of raw rubber tread stock or rubber compound, and rolling layers with hand roller to secure good adhesion. Molds new treads on tire by placing correct size airbag inside of tire, inserting tire into mold, clamping mold parts in place, and inflating airbag to exert proper pressure on tire in mold. Allows tire to remain in mold, which has been heated to proper temperature for the period of time required to cook raw rubber and mold tread.

May vulcanize breaks and tears in tires not to be retreaded, using hand knife, scissor, hand roller, and vulcanizing machine.

Must have a thorough knowledge of rubber compounds and retread requirements for various size and special duty tires.

Suggested Military Assignment:

Group I. 240 Tire Rebuilder (AAF, Ord Dept)

665 Fuel Cell Repairman (AAF)

TOOL MAKER (4-76.210) 241

Die Maker	Jig Maker
Gauge Maker	

Fabricates, alters, repairs, sharpens, and calibrates machine shop tools including jigs, gauges, dies, or other special tools.

Studies blueprint or drawing to learn details of assigned job or measures machine dimensions of part to be duplicated or modified and makes sketch showing measurements and modifications desired, using vernier calipers, micrometers, depth and thread gauges, squares, protractors, and scribes. Selects suitable metal stock, lays out guide lines on material, and operates in any

sequence, according to particular requirements of article under construction, any or all machine tools such as engine and turret lathes, milling machine, planer, shaper, vertical and horizontal boring mill, drill press, and power hack saw. Checks dimensions during machining process, using precision measuring instruments. Fits and assembles parts according to blueprints, performing such machining and grinding as is necessary to secure proper alignment and clearances.

May heat-treat parts in hand forge or furnace to produce a specified degree of hardness, toughness, or resistance.

Must be highly skilled in the use of machine tools and be able to work to tolerances of 0.005 inch. Must have a knowledge of arithmetic and shop mathematics and be able to read and interpret blueprints. Must have good knowledge of working properties of such metals as steel, wrought iron, cast iron, brass, and aluminum, including theory and practice of heat-treating.

Suggested Military Assignment:

Group I. 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

Group II. 024 Blacksmith (AAF, Armd Cmd, CE, CWS, Inf, Ord Dept, QMC, TC)

TOOLROOM KEEPER (1-38.05) 242**Tool Clerk**

Performs various duties in connection with the maintenance, issuance and storage of tools in a toolroom.

Issues and receives tools and equipment such as wrenches, machine attachments, measuring devices, and power-driven hand tools. Keeps records of receipt and issuance of all tools. Unpacks and arranges tools and equipment in bin or racks to facilitate rapid handling. Takes periodic inventories of tools and reports damaged or worn out equipment to superiors.

May make such minor repairs to equipment as grinding drill bits, sharpening chisels, saws and knives, and reaming out and replacing broken or damaged set screws and bolts. May requisition new equipment as needed.

Must be familiar with all details of supply room and shop procedure including nomenclature of tools and equipment of particular organization.

Suggested Military Assignment:

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- Group I.** 242 Toolroom Keeper (AAF, Ord Dept, Sig C)
 348 Parts Clerk, Automotive (AAF, CE, Ord Dept)
 457 Shop Clerk (Ord Dept)
 835 Supply Clerk (Any arm or service)
 848 Parts Clerk, Armament (AAF, Ord Dept)

GEODETIC COMPUTER

(0-64.40)

243

Topographical Computer

Performs mathematical computations, using logarithmic and natural function tables in the construction of topographical maps or charts.

Calculates latitude, longitude, angles, and areas from field notes made by survey parties. Computes position from triangulation or primary traverse notes. Computes intersections, point locations, and coordinates.

Must be able to compute azimuth and position from solar or stellar observations.

Must be able to make involved arithmetical and algebraic computations.

Must have a general knowledge of drafting, including mechanical drawing, geometric constructions, and lettering.

Suggested Military Assignment:

- Group I.** 070 Draftsman (AAF, CE, CWS, FA)
 076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)
 227 Surveyor (AAF, CE, QMC, TC)
 228 Survey and Instrument Man (CE, FA, TC)
 230 Surveyor, Topographic (AAF, CE, FA, TC)
 243 Geodetic Computer (AAF, CE)
 1076 Observation Draftsman (FA)

TRACTOR DRIVER (7-36.510) 244

Cat Driver Caterpillar Driver
 Cat Skinner

Operates a gasoline or Diesel-powered wheel or caterpillar tractor in connection with hauling, farming, or lumbering.

Uses tractor to pull out stumps or to pull the cable of a winch. Drives tractor by manipulating throttle, levers, and pedals. Steers by turning wheel or working levers or pedals which individually control crawler treads.

May oil, grease, and make adjustments and

minor repairs to tractor, engine, and auxiliary tractor equipment.

Suggested Military Assignment:

- Group I.** 345 Truck Driver, Light (Any arm or service)
 529 Wrecker Crewman (Ord Dept)
 735 Full Track Driver (Armd Comd, CAC, CE, FA, TC, TD)
 931 Truck Driver, Heavy (Any arm or service)
Group II. 359 Construction Machine Operator (AAF, CE)
 733 Reconnaissance Car Crewman (Armd Comd, Cav, CMP, Inf, Td)

TRUCK DRIVER, HEAVY

(7-36.250)

245

Bus Driver

Trailer-Truck Driver

Operates heavy trucks (capacity three tons or greater) used to haul heavy merchandise or equipment.

Should be able to make minor road repairs enroute.

May drive tractor-trailer type trucks.

Suggested Military Assignment:

- Group I.** 345 Truck Driver, Light (Any arm or service)
 529 Wrecker Crewman (Ord Dept)
 931 Truck Driver, Heavy (Any arm or service)
Group II. 733 Reconnaissance Car Crewman (Armd Comd, Cav, CMP, Inf, Td)

CARGO GEAR MECHANIC

(7-88.750)

246

Stores and issues all gear required to load and unload ships.

Receives, stores, issues and maintains records of cargo gear such as tow motors, fork lifts, blocks, slings, fids, marlin spikes, pallets, hooks, and ropes. Sharpens tools, cleans equipment, replaces worn or damaged parts of equipment. Uses carpenter's tools and wrenches and pliers in repairing equipment.

Must have a good knowledge of the use of all types of cargo handling gear.

Suggested Military Assignment:

- Group I.** 242 Toolroom Keeper (AAF, Ord Dept, Sig C)
 246 Cargo Gear Mechanic (TC)
 457 Shop Clerk (Ord Dept)
 835 Supply Clerk (Any arm or service)

UPHOLSTERER (4-35.700) 248**Furniture Repairman**

Installs, arranges, and secures springs, padding, and covering material to frame of furniture, car seats, and other equipment.

Sets and secures springs in position in frames. Places cotton or other wadding over springs to make a smooth rounded pad. Cuts and tacks burlap or canvas securely over padding. Lays out, cuts, and attaches final covering by tacking or sewing. Tacks fringe, tape, binding or other trimming material in place.

Suggested Military Assignment:

Group I. 046 Car Carpenter, Railway (TC)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

STUDENT, VETERINARY MEDICINE

(0-X7) 249

Has successfully completed 2 years of a course leading to a degree in veterinary medicine at an accredited college or university.

Suggested Military Assignment:

Group I. 120 Meat or Dairy Inspector (AAF, MD)

250 Veterinary Technician (MD)

409 Medical Technician (AAF, MD)

657 Medical Aidman (AAF, MD)

700 Veterinary Ambulance Orderly (MD)

Group II. 196 Sanitary Technician (MD)

359 Pharmacy Technician (AAF, MD)

VETERINARY TECHNICIAN

(2-42.60) 250

Surgical Technician, Veterinary Hospital
Veterinary Attendant

Assists veterinarian in the treatment of animals for disease or injury or for the production of serum.

Cleanses, treats, and applies dressings to wounded and sick animals under direction of the veterinarian. Prepares animal for surgery. Administers anesthetic and sterilizes instruments. Administers medical injections and dosages as prescribed.

Feeds and cleans animals and maintains animal quarters in sanitary condition.

Suggested Military Assignment:

Group I. 120 Meat or Dairy Inspector (AAF, MD)

250 Veterinary Technician (MD)

409 Medical Technician (AAF, MD)

657 Medical Aidman (AAF, MD)

700 Veterinary Ambulance Orderly (MD)

Group II. 196 Sanitary Technician (MD)

359 Pharmacy Technician (AAF, MD)

WAREHOUSEMAN (9-59.02) 251

Stacks supplies by hand in bins, on shelves, and in cold storage lockers. Loads and unloads trucks and freight cars by hand, conveyor, and hand truck. Lifts large crates, using monorail hoists and fork lifts. Braces supplies in trucks, freight cars, and warehouses to prevent shifting.

Moves supplies to and from warehouses and loading docks, using hand and power trucks and fork lifts. Tiers supplies on loading docks and in warehouse.

Suggested Military Assignment:

Group I. 188 Duty Soldier II (Any arm or service)

FOREMAN, WAREHOUSE

(5-97.640) 252

Supervises the receipt, storage, and issuance of supplies and equipment in a warehouse.

Supervises the receiving, handling, and moving of supplies and equipment and the preparation and maintenance of stock records. Supervises the methods of storing by checking the blocking, bracing, tiering, and general distribution of supplies in the warehouse. Supervises the issuance of supplies and equipment from the warehouse. Supervises the handling of special consignments locating them in the warehouse to permit issue or shipment with the least confusion.

Suggested Military Assignment:

Group I. 252 Foreman, Warehouse (MD, Ord Dept, QMC, Sig C, TC)

835 Supply Clerk (Any arm or service)

Group II. 356 Foreman, Labor (AAF, CE, QMC, TC)

WATER SUPPLY FOREMAN

(5-95.340) 253

Foreman, Waterworks

Supervises the construction and maintenance of town or municipal water supply systems.

Supervises the laying and maintenance of water mains and connecting pipes and the erection of water storage tanks. Supervises the construction of small reservoirs, pumping stations, and filtration plants. Supervises the installation and

maintenance of all types of plumbing fixtures and similar equipment.

Suggested Military Assignment:

- Group I.* 220 Pump Operator (CE)
727 Water Supply Technician (AAF, CE, QMC)

WATER SUPPLY ENGINEER

(0-16.01) 254

Hydraulic Engineer

Makes preliminary survey and supervises all engineering details pertaining to design, construction, and operation of small water supply installations.

Supervises and carries through to completion all details, including drafting, estimating, and preparing specifications and controls.

Must have a civil or mechanical engineering degree from an accredited college or university. Should have experience as a consulting or contracting engineer on water supply projects.

Suggested Military Assignment:

- Group I.* 059 Foreman, Construction (AAF, CE, TC)
070 Draftsman (AAF, CE, CWS, FA)
727 Water Supply Technician (AAF, CE, QMC)
Group II. 227 Surveyor (AAF, CE, QMC, TC)

WELDER, ELECTRIC ARC

(4-85.020) 255

Joins metal parts by means of electric welding apparatus to fabricate various articles or to repair broken metal objects.

Welds high carbon and alloy steels, metal sheets, plates and castings, using either metallic electrodes or carbon electrodes and a welding bar. Starts the gasoline motor and the generator which it drives. Wires electrodes, clamps metal parts to be welded, and adjusts rheostat which controls flow of electricity from generator so as to bring about a secure weld.

Cleans and adjusts motor and associated electrical equipment to prevent rust or corrosion.

Suggested Military Assignment:

- Group I.* 256 Welder, Combination (Any arm service)
573 Welder, Aircraft (AAF)
923 Welder, Armor Plate (Ord Dept)
Group II. 030 Boilermaker (TC)
201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
555 Airplane Sheet Metal Worker (AAF)

WELDER, COMBINATION

(4-85.040) 256

Fabricates various metal objects or repairs broken or cracked metal objects by welding.

Sets up and operates most suitable types of welding apparatus for any given job.

Suggested Military Assignment:

- Group I.* 256 Welder, Combination (Any arm or service)
573 Welder, Aircraft (AAF)
923 Welder, Armor Plate (Ord Dept)
Group II. 030 Boilermaker (TC)
201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
555 Airplane Sheet Metal Worker (AAF)

WELDER, ACETYLENE (4-85.030) 257

Gas Welder Welder, Oxyacetylene

Fuses metal parts together by means of an acetylene torch and welding rods to fabricate metal articles or to repair broken or cracked metal objects.

Wires, clamps, or otherwise holds parts to be joined or object to be repaired in desired position. Assembles welding apparatus. Lights torch and regulates flow of gases by manipulating valves until desired flame is attained. Applies flame to metal until it melts and, at the same time applies metal rod to molten area to supply excess metal needed to form weld.

May preheat parts or object to be repaired with torch to obtain a better weld and to lessen internal strains set up in metal by intense heat of welding flame.

Suggested Military Assignment:

- Group I.* 256 Welder, Combination (Any arm or service)
573 Welder, Aircraft (AAF)
923 Welder, Armor Plate (Ord Dept)
Group II. 030 Boilermaker (TC)
201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
555 Airplane Sheet Metal Worker (AAF)

SUBSTATION ELECTRICIAN

(4-97.510) 258

Electrician, Power Plant

Installs, maintains, and repairs electrical substation equipment used to control distribution of electric current.

Installs and maintains substation switchboards.

Repairs, adjusts, and calibrates electric high voltage current relays. Repairs and adjusts circuit breakers, regulators, transformers, protective and controlling apparatus and sectionalizing switches.

Uses electrician's tools.

Must be familiar with standard operating rules and regulations governing railway or other electric transmission systems. Should have thorough knowledge of substation operation from mechanical point of view.

Suggested Military Assignment:

Group I. 078 Electrician (Any arm or service)

184 Substation Operator (CE, TC)

258 Substation Electrician (CE, TC)

WELL DRILLER (5-75.230) 259

Cable Spudder
Churn-Drill Operator

Sets up and operates a well drilling machine to obtain water or to prospect for oil or metals.

Sets up rig, attaches stem and drill to cables, and manipulates levers to control drill and drive casings. Hoists tubular casing into position over well hole, lowers casing, and threads additional sections, driving them into the well hole as it is deepened.

Suggested Military Assignment:

Group I. 189 Rigger (AAF, CE, Ord Dept, TC, Sig C)

259 Well Driller (CE)

ELECTRICAL ASSEMBLER
(6-78.634) 260

Assembler, Electrical Pole Assembler, Electrical Machinery and Ac-

cessories Radio Assembler

Coil Assembler Undercutting Machine

Detail Electrical Assembler Operator

Floor Assembler, Electrical Equipment

Assembles various types of electrical equipment, and their component parts, such as appliances, light fixtures, telephone equipment, generators, motors, switches, circuit breakers, coils, sockets, and terminals.

Works from blueprints and uses precision measuring instruments such as gauges and calipers.

May assemble thin metallic pieces to form a core, punch holes in a thin metal box by operating a press, and insert material to insulate wire coil from box. May solder lead wires to protruding ends of coils and place insulating

material around coil to prevent shorts. May assemble component parts of radio equipment.

Uses electrician's hand tools.

Suggested Military Assignment:

Group II. 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

648 Radio Repairman (Any arm or service)

656 Submarine Mine Loader (CAC)

WIRE CHIEF, TELEPHONE AND
TELEGRAPH (5-53.320) 261

Supervises the installation, testing, repair, and general maintenance of central office telephone equipment.

Supervises the installation of switchboards, telephones, and auxiliary equipment, and the operation of the switchboards. Performs tests to locate line troubles, such as cross circuits, ground, or short circuits, using such equipment as Wheatstone bridge or voltmeter. Directs repairmen in elimination of troubles and repair of equipment. Maintains records pertaining to cables, terminal boxes, central office power equipment, and maps lay-out of telephone system. Occasionally makes repairs requiring expert knowledge and skill. Instructs personnel in installation and maintenance of equipment. Directs and coordinates work of subordinates by assigning tasks, directing procedures, and issuing necessary instructions.

Must be thoroughly familiar with installation and operation of all central office equipment.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Telephone and Telegraph (AAF, CE, Ord Dept, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

238 Lineman, Telephone and Telegraph (AAF, Sig C, TC)

261 Wire Chief, Telephone and Telegraph (AAF, Sig C, TC)

384 Installer, Toll Telephone and Telegraph (Sig C)

VOCATIONAL COUNSELOR
(0-39.84) 262

Vocational Adviser Vocational Director

Advises individuals regarding their occupational interests.

Administers tests to determine mental capacity, educational and vocational achievement levels, aptitudes, personality, and interests. Interviews individual regarding abilities, aptitudes, hobbies, sports, and other interests.

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Evaluates results of tests, and interviews and guides individuals in the choice of an occupational field, informing them of occupational trends and opportunities. Recommends sources of occupational information, such as books about occupations and professions, visits to industrial and commercial establishments, and training opportunities.

May assist in the preparation of curricula within a school system as determined by the occupational needs of the community. May aid in the development of youth activities designed to promote vocational guidance and training programs.

Must have thorough knowledge of occupations. Must be familiar with labor market trends and training facilities within the employment area.

Training and experience in psychological examining and counseling or specialization in vocational guidance in a school system, employment service, or other agency desirable.

Suggested Military Assignment:

Group I. 262 Occupational Counselor (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

289 Personnel Consultant Assistant (Any arm or service)

290 Personnel Technician (Any arm or service)

SOCIAL WORKER (0-27.01) 263

Case Consultant	Medical Social Worker
Case Worker	Psychiatric Case Worker
Child Welfare Worker	Special Services Worker
Court Worker	Settlement Worker
Group Worker	Social Investigator

Performs social case work with children or adults within such fields as public assistance, mental and physical health, services for handicapped, and community welfare.

Interviews applicant for service and records case material. Investigates the environment of the applicant to obtain factual material, to determine which factors are responsible for the need for service, and to plan a course of treatment. On the basis of findings recommends definite action to be taken, administers financial assistance, offers guidance and consultant service in planning course of adjustment, or refers individuals to agencies offering specialized services. Interprets results of physical and mental examinations as they apply to the individual in

the home, school, institution, community, or at work.

May, if trained psychiatric social worker, work under the supervision of a psychiatrist to assist in the adjustment of emotionally maladjusted individuals by modifying their attitudes through re-education or by reducing or resolving the conflict by revealing the cause to the patient by direct or indirect treatment methods.

May handle special cases usually difficult in nature or specialize in one phase of social case work.

Should have at least 2 years of supervised experience in social case work activities in a private or public agency or have a graduate degree in social work from a recognized school of social work.

Suggested Military Assignment:

Group I. 263 Psychiatric Social Worker (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

289 Personnel Consultant Assistant (Any arm or service)

290 Personnel Technician (Any arm or service)

X-RAY TECHNICIAN (0-50.04) 264

Photographer, X-ray Radiographer

Operates X-ray equipment to assist physicians in diagnosis and treatment of injury and disease.

Prepares patients for X-ray treatment, placing lead plates to protect areas not to be exposed to the rays. Manipulates switches which control duration and intensity of exposures.

Develops and dries X-ray films.

Knows how to protect himself and coworkers from harmful effects of X-rays.

Suggested Military Assignment:

Group I. 264 X-ray Technician (MD)

Group II. 855 Dental Technician (MD)

858 Medical Laboratory Technician (MD)

861 Surgical Technician (MD)

YARDMASTER (0-98.73) 265

Assistant Trainmaster Yard Foreman

Supervises the make-up and break-up of trains, and yard movement of railroad cars and locomotives.

Manages and directs train traffic in a railroad yard by issuing orders to train crews and yardmen.

Should be thoroughly familiar with railroad operating rules.

Suggested Military Assignment:

- Group I.* 033 Brakeman, Railway (TC)
 047 Traffic Man, Railway (TC)
 058 Conductor, Railway (TC)
 069 Dispatcher, Railway (TC)
 265 Yardmaster (TC)

DISPATCHER CLERK (CREW)

(1-26.03) 266

Timekeeper

Prepares trainmen's work schedules and maintains a record of each worker's time.

Checks train schedules in connection with assignment sheets showing the names of the train crews and notifies trainmen of their assignments.

Checks the departure and return of crews from each trip, total hours worked, and number of miles covered.

Posts data on workers' time records.

Suggested Military Assignment:

- Group I.* 055 Clerk, General (Any arm or service)

TRANSLATOR (0-68.32) 267**Foreign Correspondent**

Translates foreign language written material into English or translates from English into a foreign language.

Makes complete translation of letters or documents written in a foreign language, giving an exact statement of the ideas expressed or translates English into a foreign language using idiomatic expressions peculiar to the pertinent language.

Suggested Military Assignment:

- Group I.* 267 Translator (AAF, CWS, Sig C)
 320 Interpreter (AAF, CMP)

- Group II.* 738 Intercept Operator G (AAF, Sig C)

- 739 Intercept Operator J (AAF, Sig C)

ACCOUNTANT (0-01.20) 268**Controller Public Accountant****Cost Accountant Tax Accountant****Plant Accountant**

Devises accounting systems or maintains and operates previously devised accounting systems to control and show the status of funds of a business concern.

Prepares financial statements including balance sheet, profit and loss statement and supporting schedules. Prepares tax returns such as payroll and property tax and may institute some form of budget control.

Examines, analyzes, and verifies the books to see that there is no error or fraud in the entries. Checks the assets and liabilities, financial reports, and income and expense accounts to determine the financial status of a department or business. Examines warrants, vouchers, requisitions, tax returns, and purchase orders. Audits and assumes responsibility for the accuracy of the books.

Must have specialized in courses in accountancy in business school or college, and have practical experience.

Suggested Military Assignment:

- Group I.* 055 Clerk, General (Any arm or service)

- 622 Finance, Technical Clerk (AAF, FD)

- 624 Finance, Clerk (AAF, FD)

CASHIER (1-01.50) 269**Bank Teller Ticket Seller****Cash Clerk**

Collects money in payment of bills from customers in a restaurant, drug store, theater, grocery store, or similar establishment.

Receives or makes up bills showing amount due. May operate a cash register and a ticket-dispensing machine. Makes change. Keeps simple records of amount of money received each day. May be required to know the price and features of the items for which payment is received.

Suggested Military Assignment:

- Group I.* 055 Clerk, General (Any arm or service)

- 373 Sales Clerk (Any arm or service)

COOPER (4-38.000) 270**Barrel Builder****Hogshead Maker****Cask Maker****Tank Erector**

Builds and repairs barrels, buckets, casks, kegs, and tubs.

Plugs holes with pieces of wood and flogging, by loosening hoops and forcing plug between staves with various hand tools, such as a chisel and hammer. Replaces staves, heads, and hoops of slack and tight barrels. Shapes staves to fit head of barrel. May be required to dismantle and rebuild complete barrel.

Suggested Military Assignment:

- Group I.* 270 Cooper (QMC)

- Group II.* 035 Carpenter, Heavy Construction (CE, TC)

- 050 Carpenter, General (Any arm or service)

- 202 Carpenter, Ship (CE, TC)

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LONGSHOREMAN (9-47.00) 271

Dock Boss Header
 Dockman Stevedore
 Hatch Foreman Walking Boss
 Hatch Tender (Gangwayman) Wharfman

As a member of a crew loads and unloads cargo from ships.

Moves cargo in hold and on wharf by hand, conveyor, hand truck, and platform truck. Uses slings, pulleys, hooks, ropes, and other gear in lifting cargo into or out of hold of ship. Stows cargo in hold or on deck using bracing and dunnage to protect ships and cargo from damage. May supervise small groups of workers.

Must know correct methods of stowing various types of cargo, standard knots, splicing of rope, and simple rigging.

Must be above average in strength.

Suggested Military Assignment:

Group I. 246 Cargo Gear Mechanic (TC)

271 Longshoreman (TC)

Group II. 065 Seaman (AAF, CAC, CE, TC)

473 Winch Operator (TC)

KEY PUNCH MACHINE OPERATOR

(1-25.62) 272

Card Punch Machine Operator

Operates a key punch machine which records accounting or statistical data by punching holes in tabulating cards.

Places cards to be punched in machine and sets carriage. Following written copy, punches corresponding numbers or symbols on the keyboard, thereby transcribing the written information into perforations on the punch cards.

Suggested Military Assignment:

Group I. 272 Key Punch Machine Operator (AGD)

AIRPLANE PILOT (0-41.10) 273

Aviator Flying Instructor

Pilots an airplane in transporting mail, passengers, or freight.

Holds a Federal license as an airplane pilot.

Should have experience as a commercial or transport pilot.

Suggested Military Assignment:

Group I. 770 Airplane Pilot (AAF)

773 Service Pilot (AAF)

Group II. 772 Liaison Pilot (AAF)

WRITER (0-06.04) 274

Author Promotion Man

Editor Public Relations Man

Press Agent Publicity Man

Sales Promotion Man

Writes and edits fiction and nonfiction for publication as a book, magazine article, newspaper article, or for release on the radio or in moving pictures.

May select, assemble, and compose publicity material favorable to individuals, groups, or commercial concerns for release to the public through the various media. May write news releases and advertisements. May write radio scripts, give radio talks, or conduct radio interviews.

Suggested Military Assignment:

Group I. 274 Writer, Military Subjects (Any arm or service)

CLASSIFICATION SPECIALIST

(0-39.82) 275

Employment Manager Employment Interviewer Placement Interviewer

Interviews persons applying for employment.

Using interviewing techniques, obtains personal, educational and occupational history or information from applicant. Analyzes data secured and judges interviewee as to fitness for the job, considering such factors, as training, experience, reliability, personality, and adaptability to the working conditions or the particular type of work for which application is made. May employ applicant or refer him for final approval to superior under whom he will work. Maintains personnel records; notes and files records of applicants for future referral in the event of a vacancy.

Classifies employment and occupational information.

May administer trade and intelligence tests.

Suggested Military Assignment:

Group I. 262 Occupational Counselor (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

DENTIST (0-13.10) 276

Administers dental treatment after examining the oral cavity and charting abnormal and pathological conditions within it.

Diagnoses and treats dental diseases and conditions. Administers local and general anesthetics prior to extraction of teeth. Prepares cavities and inserts gold, silver, porcelain, or cement fillings, cleans, fills, extracts, or replaces teeth.

Performs corrective work such as straightening teeth or treating diseased gum tissue. Performs surgical operations on the jaw or mouth and makes and fits false teeth.

Holds a degree in dental surgery from an accredited college or university.

Suggested Military Assignment:

Group I. 067 Dental Laboratory Technician (MD)

855 Dental Technician (MD)

PHYSICIAN (0-26.10) 277

Examines, diagnoses, and treats the sick or wounded.

Prescribes treatment and medicines for minor ailments or acute or emergency cases. Performs surgical operations. Administers anesthetics and vaccinations, takes X-ray pictures and gives X-ray treatments. Gives physical examinations.

Keeps records and prepares case histories.

Holds a degree in medicine from an accredited medical college or university.

Suggested Military Assignment:

Group I. 409 Medical Technician (MD)

858 Medical Laboratory Technician (MD)

861 Surgical Technician (MD)

VETERINARIAN (0-34.10) 278

Studies and treats diseases or injuries of animals.

Analyzes diseases of animals and treats them medically or surgically. Cleanses wounds and applies dressings to wounded and sick animals. Advises on their care and breeding.

Tests animals for disease and inoculates them. Conducts ante mortem and post mortem examinations of meat producing animals to detect diseases or other abnormal conditions. Inspects meat foods and dairy products.

Inspects stables, corrals, and forage, and corrects unsanitary conditions. Requisitions and maintains veterinary supplies and equipment.

Holds a degree in veterinary medicine from an accredited college or university.

Suggested Military Assignment:

Group I. 120 Meat or Dairy Inspector (AAF, MD)

250 Veterinary Technician (MD)

409 Medical Technician (AAF, MD)

861 Surgical Technician (AAF, MD)

LAWYER (0-22.10) 279

Attorney Counselor-at-law

Performs legal work including preparation of civil or criminal law suits. Draws up legal documents, and advises clients on legal matters or procedures.

Prepares briefs on cases for trial by seeking information, examining facts, selecting authorities on points of law, and examining transcripts of evidence. Presents cases before the jury.

Prepares legal papers, briefs, drafts of affidavits, and indictments.

Interviews witnesses and attends conferences. Holds a degree in law from an accredited law school.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

279 Legal Clerk (Any arm or service)

301 Investigator (AAF, CMP)

THIRD RAIL REPAIRMAN

(5-79.035) 281

Maintains and repairs third rails (550 to 650 d-c. voltage) used for transmission of power in operation of electric railway systems.

Replaces defective rails and connects them for power. Conducts tests to check available power and constructs protection boards along rails. Locates disconnecting switches. Insulates high tension wires. Connects electric feeder cables.

Tools and equipment used includes soldering iron, hammer, pliers, screw driver, wrenches, wire, and wire splicers.

Must be familiar with standard operating rules and regulations governing railway electric power transmission systems. Must have knowledge of third rail construction and operation.

Suggested Military Assignment:

Group I. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

181 Signal Mechanic, Railway (TC)

281 Third Rail Repairman (TC)

OFFICE MACHINE SERVICEMAN

(5-83.100) 282

Inspects, adjusts, cleans, and services office machines, such as typewriters, adding machines, calculating machines, tabulating machines, multigraph machines, multilith machines, mimeographs, or cash registers.

Diagnoses the defect by inspection, disassembly, and examination of moving parts. Tightens, loosens, sets, and adjusts gears, guides, rollers, pinions, and other parts, using wrenches, pliers, and screw drivers. Removes and repairs or replaces broken and defective parts.

Suggested Military Assignment:

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Group I. 282 Office Machine Serviceman (Any arm or service)

Group II. 239 Teletype Mechanic (AAF, Sig C)

ATHLETIC INSTRUCTOR (0-57.21) 283

Athletic Coach Sports Instructor
Athletic Director

Instructs various groups in the fundamentals and methods of competitive sports.

Directs classes, competitive units, or other groups in health building exercises or calisthenics in grammar or high schools, colleges, or other organizations. Supervises the conditioning of men in athletics such as boxing, basketball, football, tennis, and volley ball.

May act as coach or referee in athletic meets.

Should be qualified to teach physical hygiene.

Must have experience as a football, basketball, boxing, or baseball referee or umpire, trainer, or director in high school, college, university or in professional athletics.

Suggested Military Assignment:

Group I. 283 Athletic Instructor (Any arm or service)

442 Entertainment Specialist (Any arm or service)

ACTOR (0-02.10) 284

Actress

Plays assigned roles in theatrical or motion picture production. Rehearses systematically, learning lines and cues assigned. Takes comic or serious parts. Impersonates and portrays a character by speech or gesture.

May sing or perform dancing routines.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

CAMERAMAN, ANIMATED MOTION

PICTURE (0-56.41) 285

Operates a motion picture animation camera, easel, and related equipment to produce animated motion pictures.

Moves camera to desired height above easel. Mounts and aligns cartoons and celluloids on easel, focuses camera, and photographs base drawings and celluloid tracings. Photographs titles, charts, drawings, and celluloids one at a time. Produces special trick effects, such as fade-ins, fade-outs, and double exposures, or a combination of these. May advise animation artists on short cuts and ways of producing contrasts and other photographic qualities. Cleans and makes minor repairs on equipment.

Suggested Military Assignment:

Group I. 043 Cameraman, Motion Picture (AAF, Sig C)

152 Photographer (AAF, CE, CMP, CWS, Sig C)

285 Cameraman, Animated Motion Picture (Sig C)

Group II. 940 Aerial Photographer (AAF)

DIRECTOR, MOTION PICTURE

(0-02.35) 286

Stage Director

Supervises actors and actresses during rehearsals for, and actual filming of motion pictures.

Studies script and directs performers in interpreting character, moving on the set, and delivering lines. Arranges scenes involving a number of actors, and directs necessary changes to emphasize, heighten, or clarify dramatic or comic effects. Arranges settings, actions, lines, tempo, sound, and portrayals to project successfully the dominant mood or effect of each scene and of the film as a whole. Criticizes acting and makes changes. Calls for special lighting or sound effects, and special stage equipment. Determines when scene is ready for filming.

Suggested Military Assignment:

Group I. 131 Film Editor, Motion Picture (Sig C)

286 Motion Picture Production Technician (AAF, Sig C)

287 Sound Editor, Motion Picture (Sig C)

442 Entertainment Specialist (Any arm or service)

SOUND EDITOR, MOTION PICTURE

(0-66.15) 287

Sound Cutter

Edits the sound prints of a motion picture film and makes necessary changes in the sound track.

Cuts out any undesired sounds. Splices replacement sound track film into the sound print. Loads picture print of film and accompanying sound track in a moviola. Observes picture action through aperture in machine and listens to the sound reproduced in the earphones. Makes corrections on film using rewinder, splicing press, film cement, and scraper.

Suggested Military Assignment:

Group I. 131 Film Editor, Motion Picture (Sig C)

286 Motion Picture Production Technician (AAF, Sig C)

287 Sound Editor, Motion Picture (Sig C)

PLAYWRIGHT (0-06.05) 288

Dramatist

Writes original plays depicting individuals and a series of events in real or imaginary life, for theatrical, radio, or motion picture production.

Adapts fiction, nonfiction, or historical material to dramatic form. Writes dialogue and describes the action to be followed during the enactment of the play. Makes any necessary changes in script during rehearsal and preparation for initial showing.

Suggested Military Assignment:

Group I. 274 Writer, Military Subjects (Any arm or service)

288 Playwright (Sig C, Special Services Division, ASF)

442 Entertainment Specialist (Any arm or service)

PERSONNEL CONSULTANT

(0-39.17) 289

Psychologist

Psychological Assistant

Advises on personnel matters of a psychological nature affecting the behavior and adjustment of the individual.

Obtains personal history by interview or other means. Studies activities and behavior of individuals in various situations. Administers individual and group tests of intelligence, educational and vocational achievement, and personality, and evaluates test results. Diagnoses individual problems and makes recommendations as to appropriate treatment or course of action.

May construct psychological tests to determine behavior, aptitudes, achievement and similar factors, or design apparatus to be used in testing procedures.

Must have psychological experience with an industrial organization or private or public institution, such as school, hospital, and welfare agency. Should have completed 1 year of graduate training in the field.

Should have completed 1 year of graduate training in the field supplemented by psychological experience with an industrial organization or public or private institution such as school, hospital, employment service, and welfare agency.

SUGGESTED SUBSTITUTES

Group I. 262 Occupational Counselor (AAF, AGD, MD)

263 Psychiatric Social Worker (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

289 Personnel Consultant Assistant (Any arm or service)

PERSONNEL TECHNICIAN

(0-39.83) 290

Personnel Director Personnel Manager

Advises on and participates in the consideration and solution of personnel problems and procedures. Formulates policy relating to employment, training, classification, compensation, promotion, welfare, retirement, discharge, and union and employee relations. Supervises the execution of these policies, or may perform some himself. Trains and supervises employment interviewers.

Classifies the personnel of large industrial organizations or government agencies. Confers with supervisors, superintendents, and foremen regarding personnel requirements and standards. Establishes job qualifications and pay rates. Establishes employee training programs and determines their effectiveness.

Organizes employee welfare and recreational activities. Meets with employee or union representatives to evolve mutually satisfactory personnel relations between labor and management. Hears grievances and other employee complaints or problems. Recommends such changes in personnel policy as may be necessary.

Maintains contacts with labor sources and keeps informed on labor supply. Places advertisements and otherwise secures qualified applicants for positions. Supervises the maintenance of personnel records and files, and the making of inquiries.

Must have college training in personnel administration, or equivalent experience.

Suggested Military Assignment:

Group I. 262 Occupational Counselor (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

290 Personnel Technician (Any arm or service)

POLICEMAN (2-66.230) 291

Sheriff

Directs the movement of traffic, investigates

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suspicious persons and unusual happenings, and performs other duties to maintain law and order, and to prevent acts of violence or theft.

Patrols thoroughfares of an assigned beat by foot, in an automobile, or mounted on a horse, motorcycle, or bicycle. Apprehends law breakers. Reports unusual or suspicious occurrences. Regulates traffic at public thoroughfare intersections. Directs people to plants, buildings, streets or other destinations. Enforces automobile parking regulations. Maintains order among crowds in streets or buildings. Arrests lunatics, criminals, or others menacing the safety of the public, gathers evidence, and assists in the prosecution of these persons in court. Escorts parades or public meetings, and stands guard at entrance to plants, grounds, warehouses, or other properties, refusing entry to unauthorized persons.

Must be a member of an organized police force.

Suggested Military Assignment:

Group I. 301 Investigator (AAF, CMP)
669 Military Policeman, Occupied Territory (CMP)
677 Military Policeman (AAF, CMP)

CHEMIST (0-07.00) 292

Analytical Chemist Inorganic Chemist
Assayer Organic Chemist
Biochemist Toxicologist

Conducts investigations and research in any of the various branches of chemistry such as organic, inorganic, industrial, food, soil, or biochemistry.

Makes quantitative or qualitative analyses. Performs independent investigations in a specific branch of chemistry.

Equipment used includes organic and inorganic chemicals, laboratory glass apparatus such as flasks, beakers, burettes, condensers, and graduates; glass and rubber tubing of various sizes; combustion furnaces and porcelain boats; and analytical balances.

Should hold a degree in chemistry or have an equivalent amount of training or experience.

Suggested Military Assignment:

Group I. 292 Chemist (CWS, QMC)
411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

Group II. 859 Pharmacy Technician (AAF, MD)

CHEMICAL ENGINEER (0-15.00) 293

Performs specialized work in the field of chemical engineering.

Designs chemical equipment such as absorption towers, condensers, and evaporators. Sets up and arranges chemical laboratories. Supervises chemical processes. Carries on experiments and conducts research studies in various types of chemical agents, ceramics, glass, petroleum refining, rubber, and textiles.

Equipment used includes organic and inorganic chemicals, laboratory glass apparatus such as flasks, beakers, burettes, condensers, and graduates, glass and rubber tubing of various sizes, combustion furnaces and porcelain boats, gas analysis apparatus, carbon apparatus, and analytical balances.

Should hold a degree in chemical engineering or have an equivalent amount of training and experience.

Suggested Military Assignment:

Group I. 292 Chemist (CWS, QMC)
293 Chemical Engineer (CWS)
411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

Group II. 859 Pharmacy Technician (AAF, MD)

INDUSTRIAL ENGINEER (0-18.01) 294

Efficiency Expert Time-Study Engineer

Coordinates production plans and schedules within a plant.

Determines the production capacity of a manufacturing plant by considering such factors as tools and equipment, labor, and materials used.

Plans the flow of work through a plant, conducts time and production studies, and plans the construction and arrangement of plant facilities so as to increase the efficiency of the workers. Sets wage scales with accompanying piece rate or bonus plans. Conducts safety campaigns among workers to reduce industrial accidents.

Holds a degree in industrial engineering from an accredited college or university or has the equivalent in training and experience.

Suggested Military Assignment:

Group II. 059 Foreman, Construction (AAF, CE, TC)
205 Shop Engineer, Railway (TC)

ELECTRICIAN, AIRPLANE

(4-97.910) 295

Inspects, repairs, and installs electrical wiring, fixtures, switches, and other electrical equipment in airplanes.

Examines electric wiring, auxiliary electric motors, ignition systems, and lighting units for proper functioning. Cuts insulated wire to length and installs it in conduits attached to the airplane structure. Installs wing tip and tail-lights, interior light fixtures, and dashlights. Hooks up and tests electrical equipment and tests airplane instruments operated by electricity with electrical gauges. Traces circuits, using blueprints as a guide. Tightens and solders loose electrical equipment.

Cleans, repairs, and replaces electric motors, lighting units, relays, junction boxes, and related equipment. Uses a combination electrical continuity tester or ohmmeter, ammeter, and voltmeter to locate short circuits and to test currents and resistances.

Suggested Military Assignment:

Group I. 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

685 Airplane Electrical Mechanic (AAF)

912 Electrician, Automotive (AAF, CE, Ord Dept)

Group II. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

571 Electrician, Harbor Defense (CAC)

633 Fire Control Electrician, AA (Automatic Weapons) (CAC)

634 Fire Control Electrician, AA (Gun) (AAF, CAC)

635 Searchlight Electrician (CAC, CE)

ARTIST (0-44.21) 296

Advertising Designer Painter, Art
Commercial Artist Cartoonist
Illustrator

Paints scenes, portraits, abstracts, landscapes, marine views, animal and human figures, and still life for artistic, illustrational, display or publicity purposes.

Using easel, canvas, paper, pen, pencil, brushes, oil paints, crayons, and water colors, makes illustrations, sketches, posters, or designs to be used in advertising, publications, or publicity campaigns. Should have experience with a newspaper, publishing house, art service, advertising agency, printing and engraving firm, or as an independent artist. May make etchings.

Suggested Military Assignment:

Group I. 130 Animation Artist (Sig C)

145 Painter, Sign (CE, Ord Dept, TC)

296 Artist (Any arm or service)

PIANO TUNER (5-12.100) 297

Tests and adjusts the strings of pianos to make them conform to the accepted standards for pitch.

Strikes the "A" note on the piano, tightening and loosening string by turning the string pin with a tuning hammer until the tone given off coincides with the tone of tuning fork. Adjusts and tunes remaining strings by comparing their tones with that of the "A" string already adjusted.

Replaces worn or broken strings, hammers, and mechanical parts.

Suggested Military Assignment:

Group I. 564 Special Assignment (Special Services Division-ASF)

JOB ANALYST (0-68.72) 298

Occupational Analyst

Writes descriptions of jobs in an industrial, commercial, government agency, or other organization to enable employment office to make better placement of qualified workers and applicants.

Studies each job and writes a description of the elements of the job, its essential duties, conditions, and demands, and qualifications, such as experience, training, education, strength, or skill needed by an applicant. May make time and motion studies. Charts organizations, and performs related occupational research.

Suggested Military Assignment:

Group I. 275 Classification Specialist (Any arm or service)

290 Personnel Technician (Any arm or service)

GROUNDMAN, TELEPHONE, TELEGRAPH, OR POWER (9-54.20) 299

Assists in construction of overhead or underground telephone, telegraph, or electric power lines.

Digs pole holes and ditches with hand equipment or an earth auger. Aids in placing and removing poles, wire, cables, and other line-construction equipment. Erects poles with hand pike or winch. Carries wire reels and stretches wire.

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Assists lineman by passing tools, equipment, and materials from the ground.

Suggested Military Assignment:

- Group I. 165 Lineman, Power (CE)
 238 Lineman, Telegraph and Telephone (AAF, Sig C, TC)
 641 Field Lineman (CAC, CE, CWS, FA, Inf, Sig C)

INVESTIGATOR (2-66.10) 301

Detective Plain-Clothes Man

Conducts investigations of accidents, thefts, homicides, sabotage, and subversive activities for a county, state, or Federal agency, or for a private investigating concern.

Investigates and procures information on individuals, questions witnesses and persons under arrest, gathers clues and evidence, and organizes information for reports. Obtains fingerprints at scene of crime, using fingerprint equipment, takes fingerprints of prisoners, and classifies prints. Photographs objects, places, or individuals having a bearing on the case. Prepares comprehensive report of each case and maintains file of case histories and crimes.

May make loyalty and character investigations of government workers.

Should have knowledge of civil or criminal law.

Suggested Military Assignment:

- Group I. 301 Investigator (AAF, CMP)
 669 Military Policeman, Occupied Territory (CMP)
 677 Military Policeman (AAF, CMP)

MACHINE OPERATOR (DESIGNATED MACHINE) (6-78.000) 302

Boring Mill Operator Metal Sawing Machine

Broaching Machine Operator

Operator Milling Machine

Centering Machine Operator

Operator Planer Operator

Drill Press Operator Punch Press Operator

Engine Lathe Reaming Machine

Operator Operator

Gear Cutting Machine Screw Machine Operator

Operator Shaper Operator

Grinding Machine Tapping Machine

Operator Operator

Keyseating Machine Threading Machine

Operator Operator

Turret Lathe Operator

Operates one or more of the above types of machines to change the shape of metal parts or tools.

Sets up machine, working from blueprints or drawings. Selects correct cutting tool, clamps metal part to machine table, and operates machine, such as—

Engine lathe, for shaping metal parts by bringing the stationary cutting tool into contact with rotating metal part.

Vertical boring mill, for cutting circular or cylindrical surfaces on metal parts by moving cutters across vertical rotating part.

Grinding machine, for grinding a smooth finish on metal parts by moving part against rotating grinding wheel.

Milling machine, for surfacing metal parts by carrying the part against rotating cutter.

Planer, for cutting flat surfaces on metal parts by sliding metal parts against stationary cutting tool.

Shaper, for shaping exterior surfaces of metal parts by bringing cutting tool against metal part.

Drill press, for cutting holes in metal by bringing rotating cutting tool (drill) down through metal part.

Punch press, for punching holes in metal by bringing punch down through metal part.

Operates other shop machines such as band saw, buffer, power hacksaw, and tapper.

Checks dimensions of machined part against blueprint, using micrometers, gauges, and calipers, cleans and oils machine used, and sharpens cutting tools.

May work a variety of metals, such as steel, cast iron, aluminum, and brass.

Must be able to read blueprints and sharpen tools.

Suggested Military Assignment:

- Group I. 302 Machine Operator (Designated Machine) (CE, Ord Dept)

HOSPITAL ORDERLY (2-42.10) 303

Asylum Attendant

Hospital Attendant

Performs heavy hospital duties under supervision of a nurse.

Lifts patients in and out of bed and wheels them to and from operating room, clinics, and other places in the hospital area. Rubs, bathes, dries, and dresses male patients. Carries meal trays, answers call bells, and makes beds.

Cleans and washes equipment and floors; disposing of waste and soiled linens.

May cut hair and shave patients.

Suggested Military Assignment:

- Group I. 657 Medical Aidman (AAF, MD)

ELECTRIC MOTOR REPAIRMAN

(5-83.433) 304

Installs, inspects, tests, and repairs electric motors and accessory equipment.

Tests and repairs armatures and coils. Inspects rewound armatures for broken wires and connects armature coils to commutator segments. Refaces commutators, using fine sandpaper. Repairs starting devices and switches. Reassembles motor after repairing defects and tests for electrical fault or timing to insure adequate operation.

Must understand theory of electric motors including designs, construction, and operation.

Suggested Military Assignment:

Group I. 304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

Group II. 078 Electrician (AAF, CAC, CE, CWS, FA, Ord Dept, QMC, Sig C, TC)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

912 Electrician, Automotive (AAF, CE, Ord Dept)

METALLURGIST (0-07.32) 305

Analyzes ore and properties of metal, performs research, and directs the processing of ore and the treatment and alloying of metals.

Conducts research and experiments in connection with the melting and alloying of metals, their suitability for working, and resistance to corrosion and heat treatment. Studies the mineral constituents and association of ores for metal recovery, and compiles all data into reports.

Investigates and develops new and improved processes, alloys, and methods of heat treatment.

Holds a degree in metallurgy from an accredited college or university, or has the equivalent in training or experience.

Suggested Military Assignment:

Group I. 129 Foundryman (CE, Ord Dept, TC)

GEOGRAPHER 306

Observes, describes, and interprets the natural and cultural forms, patterns, and associations of the earth and its life.

Studies the geographic bases of economic, social, and political interrelationships within and between regions, countries, and continents. Constructs and interprets maps and map projections. Performs geographic research both in the field and library.

Specializes in at least one particular region, or in some topical division such as human ecology, biogeography, physiography, climatology, historical geography, or cartography.

Holds a Master's degree in geography from an accredited university, has taught geography, or has the equivalent in training and experience. Has experience using various geographic research procedures, and is familiar with professional geographic literature.

Suggested Military Assignment:

Group I. 076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

387 Cartographer (CE)

Group II. 784 Weather Observer (AAF, CAC, CWS, FA)

787 Weather Forecaster (AAF, CWS)

FINGERPRINTER (0-66.33) 307

Fingerprint Classifier Fingerprint Expert

Takes fingerprints of persons on fingerprint record cards and examines and classifies them in accordance with one of the general systems of grouping.

Rolls each finger of individual on an inked pad or glass plate and transfers the print onto special recording cards. Prepares and maintains index-card records of all fingerprints taken. Compares fingerprints with others in the file for purpose of identification. Prepares fingerprint records for submission to police department.

Must have experience in taking, classifying, searching, and filing fingerprint records. Should have experience as fingerprint specialist in a local, State, or Federal agency, or have completed a course in criminal identification.

Suggested Military Assignment:

Group I. 301 Investigator (AAF, CMP)

677 Military Policeman (AAF, CMP)

TELEPHONE OPERATOR (1-42.00) 309

Central Office Operator PBX Operator
Control Board Operator Switchboard Operator

Operates a telephone switchboard to relay incoming or outgoing messages to or from branch telephones in an establishment. Makes connections with outside lines for outgoing calls.

Manipulates switch keys or jacks to receive incoming calls, to make connections, to relay calls, and to ring phones. Performs a variety of clerical tasks when not engaged in handling calls.

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Operates a cordless telephone switchboard or one equipped with cords.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

309 Telephone Operator (TC)

650 Telephone Switchboard Operator (AAF, CAC, CE, CWS, FA, Inf, Sig C)

CONCRETE-MIXER OPERATOR

(7-23.330)

Cement-Mixer Operator Plaster-Mixer

Mortar-Mixer Operator Operator

Operates a portable concrete-mixing machine to mix sand, gravel, cement, and water in prescribed proportions.

Operates and maintains a motor-driven mixing drum, feeds the proper proportion of materials while drum is rotating, and manipulates levers to discharge the concrete from drum by tilting it forward or opening a discharge chute.

Makes minor repairs.

Suggested Military Assignment:

Group I. 081 Engineman, Operating (AAF, CAC, CE, Sig C, TC, TD)

188 Duty Soldier II (Any arm or service)

Group II. 846 Portable Power Generator Operator (Ord Dept, QMC)

STABLEMAN (3-43.20)

Barn Hand Horse Tender
Groom Mule Hand

Takes care of horses or mules while they are in stables.

Waters and feeds animals. Grooms, brushes, curries, and washes animals, and trims manes and tails. Inspects animals for sickness or injuries and treats according to instructions of veterinarian. Saddles, unsaddles, and assists in harnessing animals. Cleans and cares for harness, wagons, equipment, and apparatus.

Assists in breaking and training colts.

Suggested Military Assignment:

Group I. 563 Horse Artillery Driver (FA)

700 Veterinary Ambulance Orderly (MD)

Group II. 250 Veterinary Technician (AAF, MD)

712 Packer, Animal (CE, FA, Inf, Ord Dept, QMC)

MATHEMATICIAN (0-28.10)

Statistician

Makes calculations in fields such as physics,

astronomy, and ballistics which involve the use of analytical geometry, spherical trigonometry, calculus, and other branches of higher mathematics.

May plan procedures and techniques for solution of statistical problems and analyze results.

Suggested Military Assignment:

Group I. 160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)

243 Geodetic Computer (AAF, CE)

Group II. 228 Survey and Instrument Man (CE, FA, TC)

230 Surveyor, Topographic (AAF, CE, FA)

670 Master Gunner, CA (CAC)

ARCHITECT (0-03.00)

313

Architectural Engineer Marine Architect

Landscape Designer Naval Designer

Plans and designs buildings, drainage systems, mechanical equipment, and other structures requiring a knowledge of construction based upon principles of aesthetics, mathematics, and the physical sciences.

Aids in selecting and locating sites for erection of industrial plants, domestic buildings, or homes. Consults with clients relative to specifications and architectural features of projects. Evaluates and plans structures, bearing in mind style, structure, and aesthetic principles. Prepares drawings and specifications, and plans structural lay-outs. Calculates strengths of materials. Decides on materials and supplies to be used, methods of construction, and general standards of workmanship. Coordinates work of technical specialists.

May prepare plans and designs for construction and repair of steel or wooden ships. May supervise construction. May administer contracts and accounts. May perform architectural research.

Work of an architectural engineer involves greater stress on technical elements, depending on development of experience, such as the design of structural elements and the design and location of drainage systems, plumbing, heating, lighting, and other mechanical equipment.

Holds a degree in architecture or architectural engineering or has the equivalent in practical experience.

Suggested Military Assignment:

Group I. 059 Foreman, Construction (AAF, CE, TC)

- 070 Draftsman (AAF, CE, CWS, FA)
 074 Draftsman, Structural (CE, TC)
 076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)
 170 Engineering Aide (Designated Field) (Any arm or service)
 387 Cartographer (CE)
 Group II. 670 Master Gunner, CA (CAC)

SMALL CRAFT OPERATOR

(7-49.101) 314

- Boat Operator Motor Boat Operator
 Fisherman Oysterman
 Launchman

Operates, pilots, and maintains a motor-driven boat powered by a gasoline, Diesel, or small steam engine and used mainly in inland waters for fishing, to carry passengers, or to tow freight.

Pilots boats or barges along shores, lakes, and coastal indentations.

May operate boats in shallow waters. May operate a power boat equipped with a short mast and a boom upon which blocks, tackle, and rigging have been placed. May clean, lubricate, repair, adjust, and replace parts of motor. May use auto-mechanic's and carpenter's hand tools.

Should be familiar with common rules governing harbors and channels, use of nautical chart, and channel markers such as standard buoys.

Suggested Military Assignment:

- Group I. 065 Seaman (AAF, CAC, CE, TC)
 118 Small Boat Operator (CE, TC)
 546 Coxswain, Mine Yawl (CAC)
 823 Coxswain, Harbor Craft (TC)
 838 Seaman, Landing Craft (CE)
 Group II. 547 Master, L Boat (CAC)
 817 Pontoneer (CE)
 839 Marine Engineman (CE)

HIGHWAY MAINTENANCE MAN

(7-61.010) 315

Performs various laboring duties in keeping state roads and rights-of-way in good and safe operating condition.

Cleans ditches and culverts. Repairs guard rails and highway markers. Patches various types of hard surface roads. Fills in and otherwise repairs washed out roads. Removes snow from surface of roads. Uses such tools as shovel, rake, axe, saw, crowbar, and pick. May operate road machinery such as scrapers, snow plows, and trucks.

Suggested Military Assignment:

- Group I. 188 Duty Soldier II (Any arm or service)
 729 Pioneer (Cav, CE, Inf, TD)
 Group II. 359 Construction Machine Operator (AAF, CE)

AUTOMOBILE SERVICEMAN

(7-60.500) 316

- Gas and Oil Man Filling-Station Attendant

Services motor vehicles at a filling station by filling with gas, oil, and water, testing and changing batteries, and lubricating.

Installs accessories such as mirrors, spark plugs, and windshield wipers. Changes and repairs tires. Makes minor repairs and adjustments to automobile parts. Understands lubricating equipment and proper types of oil and grease to be used. Washes, sprays, and polishes automobiles and cleans interior, wheels, and fenders.

May examine and test automobiles to determine the need for repairs on engine, clutch, brake, or other parts. May keep records of mileage, gas, and oil supplied to automobiles and trucks, and supplies of gas and oil in storage tanks.

Suggested Military Assignment:

- Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)
 316 Automobile Serviceman (AAF, Ord Dept, QMC)

MONOTYPE OPERATOR (4-44.120) 317

Composing Machine Operator
 Operates the keyboard of a monotype machine, which perforates strips of paper that are later used to control the casting of type.

Clips copy instructions to copy holder. Selects and installs bank of keys to make specified size and style of type. Sets and locks scale for indicating spacing of words in line. Adjusts line length indicator, installs roll of paper strip, and admits compressed air into machine. Operates keys of keyboard until matter in copy has been transferred to paper strip by perforations in strip. Tears strip loose from supply roll, attaches type-casting instructions to reel, and forwards reel for casting type.

Suggested Military Assignment:

- Group II. 168 Printer (AAF, CE)
 169 Job Pressman (CE)

CASTING MACHINE OPERATOR

(6-49.310) 318

Sets up and tends a casting machine, which

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casts and assembles type into equipped form for printing.

Places reel of controller paper on holder, threads it around tension and feeding rolls, and attaches it to winding roll. Sets composing stick to length of line specified in casting instructions. Inserts and locks matrix case for proper size of type of matrix case holder. Locks galley next to stick on bed of machine. Starts machine and admits compressed air to machine. (Machine automatically selects, casts, cools, and assembles type in stick, being controlled by perforations made in controller paper by monotype.) Stops machine when galley is full or when strip is completed. Removes and stores reel of control paper. Removes galley and forwards it for proofing.

Suggested Military Assignment:

Group II. 168 Printer (AAF, CE)

169 Job Pressman (CE)

CONSTRUCTION EQUIPMENT MECHANIC (5-83.641) 319

Conveyor Maintenance Man Tractor Mechanic
Pneumatic Tool Repairman

Assembles, sets up, adjusts, maintains, and repairs construction equipment and machinery such as internal combustion engines, air compressors, pumps, concrete mixers, cranes, power shovels, bulldozers, angledozers, and tractors.

Operates equipment to determine cause of faulty performance. Locates trouble and repairs entire unit or subassembly such as engine, track, chassis, blades, controls, booms, hoppers, and other parts by tearing down, cleaning, adjusting, and installing new or rebuilt parts and reassembling unit or subassembly. Makes minor chassis repairs such as replacing cables on cranes and repairing and replacing tracks on various types of track vehicles.

May operate welding equipment to mend broken parts. May set up mechanical conveyors or similar equipment.

Uses wrenches, hammers, pliers, files, chisels, screw drivers, crow bars, hoists, gauges, calipers, rollers, oxyacetylene or electric arc welding equipment, forges, anvils, wire brushes, scrapers, and abrasive stones.

Must be thoroughly familiar with the construction and operation of various kinds of construction equipment including gasoline and Diesel-powered equipment.

Suggested Military Assignment:

Group I. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

319 Construction Equipment Mechanic (CE, FA, Ord Dept)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

Group II. 660 Tank Mechanic, Minor Maintenance (Armd Comd, FA, TD)

912 Electrician, Automotive (AAF, CE, Ord Dept)

INTERPRETER (0-68.31) 320

Renders verbal translations of a foreign language into a specified language in order to assist persons in conversing when the persons concerned are not able to speak the same language.

Should speak a foreign language and English with equal fluency. Should have had experience as interpreter for travel agency, business concern, foreign mission, news or radio service, or as a teacher of foreign languages.

Suggested Military Assignment:

Group I. 267 Translator (AAF, CWS, Sig C)

320 Interpreter (AAF, CMP)

Group II. 738 Intercept Operator G (AAF, Sig C)

739 Intercept Operator J (AAF, Sig C)

6709 Traffic Analyst G (Sig C)

8709 Traffic Analyst J (Sig C)

SALESMAN (Use appropriate DOT Code)

Auctioneer

Canvasser

Salesman, Insurance

Solicitor

Calls on prospective retail or wholesale buyers, industrial customers, or individuals to sell merchandise or services.

Develops a list of prospective customers. Arranges for interviews or demonstrations. Displays merchandise or catalogues to describe an article's selling points. Gives information concerning a product, using various sources. Takes and writes up orders.

Cares for stock. Studies trade periodicals to keep informed of business transactions. Makes periodic reports of transactions.

Suggested Military Assignment:

Group I. 373 Sales Clerk (QMC)

Group II. 055 Clerk, General (Any arm or service)

REFRIGERATION MECHANIC

(5-83.941) 1322

Air-Conditioning Mechanic

Installs, maintains, and repairs refrigerating

equipment used in refrigeration plants and in air conditioning or water cooling systems.

Installs and assembles condensers, compressors, motors, and other units. Assembles and connects pipes and ducts used in piping brine and conditioned air. Disassembles such parts as valves, springs, brushes, and connections to note their condition. Installs new piping, packing, valves, and pipe couplings to stop leaks.

Uses wrenches, pliers, and pipe threading or cutting tools commonly used by pipe fitters. May detect leaks and make repairs to household electric refrigeration systems.

Suggested Military Assignment:

Group I. 304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

322 Refrigeration Mechanic (AAF, CE, QMC)

Group II. 164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)

STOCK RECORD CLERK (1-01.42) 323
Inventory Clerk Stores-Auditor Clerk
Material Checker Warehouse Record Clerk
Material Clerk

Maintains stock records pertaining to cost and amount of material received, issued, and on hand in a department, warehouse, or establishment.

Checks materials received and examines for defects. Rejects imperfect articles. Takes inventory of stock on hand or maintains perpetual inventory system. Prepares requisitions for materials.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

STOCK CLERK (1-38.01) 324
Stockroom Keeper Supply Clerk
Storekeeper Warehouse Stock Clerk

Receives, stores, and issues equipment, material, merchandise, or tools in a stockroom or storeroom.

Checks incoming orders against items as listed on requisitions or invoices. Counts, grades, or weighs articles. Stores supplies in bins, on floor, or on shelves for convenient removal. Fills orders requisitioning articles or issues supplies.

May take inventory. May request or order supplies. May make minor adjustments or repairs to articles in stock.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

MINER (5-21.010) 325

Digs shafts, slopes, or tunnels in underground workings for the purpose of extracting coal, rock, or ore.

Drills holes by hand or with a compressed air drill. Charges, inserts, and sets off explosives to break up rock mass. Shovels coal or rock into mine cars or onto a conveyor. Pushes mine cars to haulage-ways where they are hauled by draft animal, mine locomotive, or haulage cable to surface or to shaft bottom for hoisting. Sinks shaft in which men, supplies, coal, and rock are lowered into or raised from mine.

May install or repair shaft timbering to support walls and to prevent cave-ins.

Suggested Military Assignment:

Group I. 188 Duty Soldier II (AAF, CE)

533 Demolition Specialist (AAF, CE)

656 Submarine Mine Loader (CAC)

729 Pioneer (Cav, CE, Inf, TD)

901 Munitions Worker (Any arm or service)

Group II. 924 Bomb Salvage Technician (AAF, Ord Dept)

MINING ENGINEER (0-20.01) 326

Makes preliminary surveys and reports on ore deposits concerning the practicability of their development.

Plans the development of mines. Prepares plans and specifications for construction of shafts, mine entrances, water supply, and power machinery.

Examines mines, making geological and topographical surveys to determine location, size, and slope of deposits as well as the character of the surrounding area. Determines best method of mining for a particular location. Coordinates methods and working procedures.

Holds a degree in mining engineering or its equivalent in training or experience.

Suggested Military Assignment:

Group I. 059 Foreman, Construction (AAF, CE, TC)

070 Draftsman (AAF, CE, CWS, FA)

227 Surveyor (AAF, CE, QMC, TC)

228 Survey and Instrument Man (CE, FA, TC)

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230 Surveyor, Topographic (AAF, CE, FA, TC)

533 Demolition Specialist (AAF, CE)

TEACHER (0-31.00) 327

Educational Director Professor
Instructor Tutor
Principal

Teaches students privately or in an educational institution, in one or more subjects. Plans and prepares courses of study. Selects appropriate method for a given phase of instruction. Conducts classes in one or more subjects such as economics, chemistry, law, or medicine.

Prepares and delivers lectures and demonstrations. Compiles, administers, and grades examinations. Gives individual instruction. May direct educational programs.

Uses instructional aids such as training films, film strips, charts, and training expedients.

Must be familiar with methods of teaching such as lecture, conference, demonstration, and group performance.

Must have experience as a private instructor or teacher of academic or vocational subjects in a recognized institution of learning.

PARACHUTE JUMPER (0-62.30) 328
Parachutist

Leaps from balloon or airplane at various altitudes to test or demonstrate parachutes or to fight forest fires.

Pulls ripcord of parachute after clearing airplane and falls in correct position to reduce impact of landing.

May repair or rig parachutes.

May jump to amuse audiences at fairs, carnivals, and circuses.

Suggested Military Assignment:

Group II. 620 Parachute Rigger and Repairman (AAF)

LUMBERJACK (6-30.160) 329
Bucker Faller
Chopper Hewer
Cutter

Performs a variety of duties in logging operations.

Tops trees to be felled, chops or saws down trees, trims branches from tree using axe, and saws logs to saw mill lengths. Moves logs to log pile using cant hook. Attaches chain from bulldozer to logs for skidding logs to loading point. Works as top loader on trailer or truck, loading and securing logs with chains.

Uses axe, crosscut saw, and cant hook.

Must be above average in strength. Must know simple rigging.

Suggested Military Assignment:

Group I. 329 Lumberjack (CE)

462 Forest Products Tallyman (CE)

729 Pioneer (Cav, CE, Inf, TD)

AERONAUTICAL ENGINEER

(0-19.03) 330

Airplane Designer

Designs airplanes, seaplanes, and flying boats to be used for military or transportation purposes.

Tests models to determine quality and strength of finished parts of airplane equipment and flying characteristics of the assembled airplane. Analyzes the stresses set up in parts of the airplane by applied loads to determine if airplane will withstand the various conditions of flight.

Supervises the assembly of airplanes and the installation of motors, instruments and other equipment. Studies the technical phases of air transportation, and applies this knowledge in planning airplane construction.

Holds a degree in aeronautical engineering from an accredited college or university or has the equivalent in training and experience.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

071 Draftsman, Mechanical (CE, Ord Dept, TC)

750 Airplane Maintenance Technician (AAF)

Group II. 684 Airplane Power Plant Mechanic (AAF)

685 Airplane Electrical Mechanic (AAF)

747 Airplane and Engine Mechanic (AAF, FA)

STUDENT AERONAUTICAL

ENGINEERING (0-X7) 331

Has successfully completed at least 3 years of a course leading to a degree in aeronautical engineering at an accredited college or university.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

Group II. 684 Airplane Power Plant Mechanic (AAF)

685 Airplane Electrical Mechanic (AAF)

747 Airplane and Engine Mechanic (AAF)

STUDENT, MINING ENGINEERING
(0-X7) 332

Has successfully completed at least 2 years of a course leading to a degree in mining engineering at an accredited college or university.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

191 Rodman and Chainman, Surveying (CE)

228 Survey and Instrument Man (CE, FA, TC)

411 Chemical Laboratory Assistant (AAF, CE, CWS, Ord Dept, MD, QMC)

Group II. 227 Surveyor (AAF, CE, QMC, TC)

230 Surveyor, Topographic (AAF, CE, FA, TC)

924 Bomb Salvage Technician (AAF, Ord Dept)

WELDER, SPOT (6-85.060) 334
Electric Spot Welder Machine Welder Operator

Joins metal parts by means of a spot welding machine in the fabrication or repair of metal articles.

Clamps metal to be welded and brings electrode into proper position by means of a foot lever, determining the time necessary for proper welding to avoid burning the metal.

Suggested Military Assignment:

Group I. 302 Machine Operator (Designated Machine) (Any arm or service)

STUDENT BUSINESS OR PUBLIC ADMINISTRATION (0-X8) 336

Has a degree from an accredited college or university with a major in business administration, public administration, or industrial management.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

622 Finance Technical Clerk (AAF, FD)

623 Finance Clerk—Typist (AAF, FD)

624 Finance Clerk (FD)

835 Supply Clerk (Any arm or service)

Group II. 275 Classification Specialist
290 Personnel Technician (Any arm or service)

FOREMAN, AUTOMOTIVE REPAIR SHOP
(5-97.110) 337

Supervises a group of workmen engaged in automotive repair work.

Diagnoses trouble on incoming vehicles and advises customers on nature and cost of repairs. Lays out, assigns, and coordinates the work of automobile mechanics and related specialists. Renders advice on more difficult and intricate repair problems and instructs mechanics in the use of new shop equipment including cylinder reboring, valve refacing, crank shaft straightening, and wheel alignment machinery. Supervises maintenance of shop records and prepares estimates of repair costs, including labor and material.

Acts in purely supervisory capacity or may act as working supervisor performing the more difficult repair work in an auto repair shop.

Must have a thorough knowledge of all phases of auto mechanics and be skilled in the use of shop equipment.

Must be able to read and interpret blueprints and automobile manufacturers' specifications, manuals, and diagrams.

Suggested Military Assignment:

Group I. 337 Foreman, Automotive Repair Shop (CE, Ord Dept, QMC)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

906 Mechanic, Chassis, Wheel Vehicle (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

912 Electrician, Automotive (AAF, CE, Ord Dept)

926 Mechanic, Fuel Induction (AAF, CE, Ord Dept)

Group II. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

319 Construction Equipment Mechanic (CE, FA, Ord Dept)

INSTRUMENT REPAIRMAN, ELECTRICAL (5-00.911) 338

Cleans, adjusts, repairs, and calibrates such electrical instruments as voltmeters, recording gauges, relays, motor starting boxes, ohmmeters, and other delicate electrical instruments.

Inspects faulty instruments by disassembling, cleaning, and examining parts for wear and

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breakage. Repairs and replaces worn and defective parts, lubricating and making such precision adjustments as are necessary to restore instrument to satisfactory operating condition.

May machine and fabricate unobtainable replacement parts, using precision lathes and grinders.

Must be thoroughly familiar with construction and operating features of all types of delicate and high precision electrical instruments.

Should have a practical knowledge of the theory of electronics and physics.

Must be able to use instrument maker's tools.

Suggested Military Assignment:

Group I. 304 Electric Motor Repairman (CE, CWS, Ord Dept, TC)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

Group II. 648 Radio Repairman (Any arm or service)

685 Airplane Electrical Mechanic (AAF)

686 Airplane Instrument Mechanic (AAF)

JACKHAMMER OPERATOR

(9-32.00) 339

Air-Drill Operator Plug Drill Operator

Air-Hammer Operator Rock Driller

Operates an air hammer driven by compressed air to break old concrete, stone, or other pavement, to loosen earth, dig clay, or to drill holes in ore or rock in which explosives are inserted.

Connects air hose to hammer from air compressor. Inserts proper tool, such as asphalt chisel, digging tool, pile driving shoe, or bull point, into chuck on hammer. Grips handles of hammer, presses starting trigger, and guides tool into work. Cleans and lubricates jackhammer.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

Group II. 901 Munitions Worker (Any arm or service)

PARACHUTE PACKER (7-49.021) 340

Parachute Rigger

Inspects and repacks parachutes that have been opened in use or unopened ones that are to be inspected and repacked in the interest of safety.

Inspects buckles and harness straps of parachutes for damage or wear and has defects repaired prior to repacking. Packs parachute

according to prescribed methods by straightening shrouds, eliminating coils or tangles, folding, and securing in pack cover.

Must be licensed by the Federal Government.

Suggested Military Assignment:

Group I. 620 Parachute Rigger and Repairman (AAF)

SHOP MAINTENANCE MECHANIC

(5-83.641) 341

Maintenance Machinist

Maintains and repairs machinery and equipment in a factory or industrial plant.

Makes regular inspection of shop machinery and equipment to determine operating conditions of machinery and equipment, making such adjustments and minor repairs as are necessary to keep them in a production capacity.

Performs major repairs on malfunctioning or damaged equipment by dismantling, disassembling, and repairing or replacing worn, damaged, or defective parts, using such tools and equipment as light and heavy hammers, various size straight and socket wrenches, squares, punches, micrometers, gauges, engine lathe, power hack saw, drill press, and grinders.

Performs minor and major repairs on such machines and shop equipment as engine lathes, planers, milling machines, boring machines, shapers, drill presses, overhead and monorail cranes, welding equipment, power-transmission belting, pulleys and pulley shafts, and other related equipment. May operate one or more of the machine tools in making repairs and in fabricating replacement parts not found in stock.

Must be able to interpret blueprints including manufacturer's procedure manuals and diagrams.

Suggested Military Assignment:

Group I. 114 Machinist (AAF, CE, CWS, Ord Dept, Sig C, TC)

302 Machine Operator (Designated Machine) (CE, Ord Dept)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

MASTER MECHANIC (5-83.621) 342

Supervises the maintenance and repair of shop facilities in a repair shop, machine shop, or other similar maintenance center.

Checks work requisitions, examines equipment to be repaired, and lays out schedules of work. Assigns jobs to individual specialists. Inspects progress of repairs as well as completed repair

jobs for quality of work. Assists in solving the more complex problems of repair and installation. Instructs and guides new personnel in machine and repair shop practices.

Supervises painting, carpentry, plumbing, and allied maintenance work.

Equipment used includes engine lathes, milling machines, boring machines, drill presses, and welding equipment.

Suggested Military Assignment:

Group I. 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

BURNER, ACETYLENE (6-85.210) 343
Flame Cutter

Sets up and operates acetylene-burning (cutting) equipment to perform metal-cutting operations, such as burning sprues from castings, cutting up scrap metal, or trimming girders or other structural shapes.

Assembles and connects torch to regulator on oxygen and acetylene tanks. Screws proper tip into torch nozzle, lights torch, and regulates flow of gases to obtain a suitable cutting flame. Holds torch to metal and guides torch along the desired cutting line as the flame melts and cuts a narrow channel through the metal. May interpret blueprints or sketches and mark cutting lines on the metal, using scales and dividers.

Suggested Military Assignment:

Group II. 256 Welder, Combination (Any arm or service)

CHAUFFEUR (7-36.010) 344
Taxi Driver

Drives a public or private automobile for the transportation of passengers as an employee of an individual, or of a commercial enterprise.

Performs minor maintenance on the vehicle, such as fixing punctures, lubricating and servicing it, cleaning spark plugs, and adjusting carburetor. Uses screw driver, wrenches, and pliers.

Suggested Military Assignment:

Group I. 345 Truck Driver, Light (Any arm or service)

Group II. 733 Reconnaissance Car Crewman (Armd Comd, Cav, CMP, Inf, TD)

931 Truck Driver, Heavy (Any arm or service)

TRUCK DRIVER, LIGHT (7-36.260) 345
Routeman

Drives a light truck (under 3-ton capacity) for transporting light loads of materials, merchandise, equipment, or personnel.

Makes minor repairs and adjustments, such as fixing punctures, cleaning spark plugs, and adjusting carburetor. Cleans and services truck. Uses screw drivers, wrenches, pliers, hammer, tire iron, and jack.

Suggested Military Assignment:

Group I. 345 Truck Driver, Light (Any arm or service)

931 Truck Driver, Heavy (Any arm or service)

Group II. 733 Reconnaissance Car Crewman (Armd Comd, Cav, CMP, Inf, TD)

932 Special Vehicle Operator (AAF, Ord Dept, QMC)

STUDENT, PSYCHOLOGY (0-X6) 347

Holds a degree from an accredited college or university with a major in psychology.

Suggested Military Assignment:

Group II. 262 Occupational Counselor (AAF, AGD, MD)

263 Psychiatric Social Worker (AAF, AGD, MD)

275 Classification Specialist (Any arm or service)

289 Personnel Consultant Assistant (Any arm or service)

290 Personnel Technician (Any arm or service)

PARTS CLERK, AUTOMOTIVE (1-75.22) 348

Salesman, Automotive Parts

Receives, stores, issues and sells automobile accessories, parts, and tools.

Receives and checks incoming material against material lists to insure accuracy of shipment and prepares stock record cards or enters data on previously prepared stock records. Stores parts in bins or rack compartments, arranging items in such manner as will facilitate issue and inventory, marking all parts with identification numbers as specified in parts catalogue. Issues or distributes parts, accessories or tools to personnel or department sections in accordance with written memorandum, or sells to customers.

Must be thoroughly familiar with description, nomenclature, and interchangeability of automobile parts, including manufacturer's catalogue stock numbers.

Sec. III

Suggested Military Assignment:

Group I. 242 Toolroom Keeper (AAF, Ord Dept, Sig C)

348 Parts Clerk, Automotive (AAF, CE, Ord Dept)

835 Supply Clerk Any arm or service)

Group II. 826 Supply Technician, AAF (AAF)

848 Parts Clerk, Armament (AAF, Ord Dept)

BOOKKEEPER, GENERAL (1-01.02) 350

Accounting Clerk

Cost Clerk

Audit Clerk

Posting Clerk

Budget Clerk

Keeps a complete and systematic set of business records of an establishment.

Examines and records commercial transactions in record books and on special forms. Balances books and compiles reports to show any items pertinent to the operation of a business.

May perform related clerical duties such as preparing payrolls, typing, and mailing monthly statements.

Suggested Military Assignment:

Group I. 624 Finance Clerk (AAF, FD)

Group II. 055 Clerk, General (Any arm or service)

BOOKKEEPING MACHINE OPERATOR

(1-02.01)

351

Accounting Machine Operator

Posting Machine Operator

Discount-and-Interest-Billing Clerk

Operates bookkeeping machines to maintain a complete and systematic set of records of business transactions.

Determines when data are to be recorded, and uses a bookkeeping machine to record information in the proper books and on special forms. Makes up bills, invoices, and statements on bookkeeping or billing machine.

Should be able to operate a calculating machine.

Suggested Military Assignment:

Group I. 624 Finance Clerk (AAF, FD)

Group II. 055 Clerk, General (Any arm or service)

STORE MANAGER (0-72.00) 352

Chain Store Manager

Industrial Distributor

Commissary Man

Wholesaler

Directs the operation of a retail or wholesale trade establishment by planning work, promoting sales, and supervising employees.

Purchases and requisitions goods. Handles warehousing and merchandising. Promotes sales and handles receipts. Keeps stock records and takes and verifies inventories. Arranges for keeping the store and stock neat and clean. Keeps control accounts. Prepares payrolls and financial reports.

Should have some knowledge of bookkeeping.

Suggested Military Assignment:

Group I. 373 Sales Clerk (QMC)

835 Supply Clerk (Any arm or service)

EARTH BORING MACHINE OPERATOR

(7-23.910)

353

Post Hole Digger

Operates an earth-boring machine equipped with auger and winch to dig holes for telephone poles, power line poles, fence posts, or guard-rail posts.

Drives machine to working site and spots it over hole to be bored. Sets proper sized auger in drill spindle. Starts machine that rotates auger. Stops machine when auger has penetrated to proper depth, and lifts auger from hole by means of winch. Cleans, services, and performs minor maintenance on machine.

Suggested Military Assignment:

Group I. 188 Duty Soldier II (Any arm or service)

345 Truck Driver, Light (Any arm or service)

ELECTRIC TRUCK DRIVER

(7-88.410)

354

Casting Trucker

Power Trucker

Tier-Lift-Truck Operator

Operates a small truck, powered by electric batteries, used for hauling heavy materials in or about an industrial plant or other establishment.

Controls starting or stopping, and forward or backward motion of electric truck by manipulating levers. Steers truck by means of steering bar or wheel and operates lift platform by means of lever.

Suggested Military Assignment:

Group I. 188 Duty Soldier II (Any arm or service)

Group II. 345 Truck Driver, Light (Any arm or service)

FILE CLERK (1-17.01)

355

Files correspondence, cards, invoices, receipts, and other records.

Arranges material according to subject matter, alphabetically, numerically, or by code system. Locates and removes material from files when requested. Keeps record of material removed.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

FOREMAN, LABOR (5-90.000) 356

Foreman, Manufacturing Foreman, Mining Superintendent, Labor
Supervises large groups of laborers engaged in any kind of unskilled or semiskilled work except construction.

Keeps time, production, and other simple records. Employs and trains workers. Should have a practical knowledge of the details of the process involved, and how to assign workers and available tools to the best advantage.

Suggested Military Assignment:

Group I. 356 Foreman, Labor (AAF, CE, QMC, TC)

GLASSBLOWER (4-65.430) 358

Bottle Blower, Hand

Makes glass articles by processing molten glass.

Dips end of blowpipe into molten glass, gathering correct amount for the article to be made. Blows through pipe, elongating and inflating the glass. Inserts glass into mold and forces glass against sides of the mold. Withdraws the article from the mold and breaks film of glass connecting it with the pipe.

Equipment used includes burners, furnaces, glass tubing, molds, pincers, and blowpipe.

Suggested Military Assignment:

Group I. 358 Glassblower (CWS)

CONSTRUCTION MACHINE OPERATOR

(7-23.000) 359

Bulldozer Operator Road-Roller Operator
Road Grader Operator Scraper Operator

Operates construction machines, such as road grader, bulldozer, angledozer, carry-all, road roller, rooter, and scraper, used in construction and maintenance work on roads and airports.

Moves and carries away dirt, trees, and boulders by the manipulation of lever, pedal, and throttle controls on machines used to level, grade, and fill surfaces.

Oils, greases, and cleans machines. Checks water and fuel supply.

Suggested Military Assignment:

Group I. 359 Construction Machine Operator (AAF, CE)

Group II. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

064 Power Shovel Operator (CE, TC)

HOIST OPERATOR (5-73.500) 360

Hoisting Engineer Shaft Operator
Hoistman Skip Operator

Operates such equipment as derricks, skip hoists and cableways powered by compressed air, Diesel, electric, gasoline or steam engines.

Starts engine and operates levers to reel or unreel cable onto or from hoist drums and uses foot brakes to stop or slow hoist drums. Uses a dog lever to lock hoist drums in place. Follows arm or bell signals from signalman or fireman for each operation.

Suggested Military Assignment:

Group I. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

Group II. 189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

359 Construction Machine Operator (AAF, CE)

JEWELER (4-71.010) 361

Bench Hand, Jewelry Silversmith
Goldsmith Stone Setter

Fabricates or repairs jewelry articles such as rings, pins, brooches, necklaces, bracelets, and lockets.

Makes small metal castings. Solders joints and smooths surfaces by filing, buffing, and polishing. Fits rings for wearer, using ring stick, saw, and soldering iron. Reshapes old jewelry and cuts new jewelry, following designs or instructions.

Uses soldering iron or torch, files, saw, sand mold, magnifying glass, hand engraving tools, jewelers' lathe, and drills.

Suggested Military Assignment:

Group II. 098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

381 Watch Repairman (AAF, Ord Dept, TC)

LOCKSMITH (5-83.551) 362

Disassembles, repairs, and replaces tumblers, springs, and other parts in all types of locks.

Changes lock combinations. Makes new or duplicate keys.

Uses machinists' hand tools and key-making machinery.

Suggested Military Assignment:

Sec. III

- Group II. 098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)
 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)
 511 Armorer (Any arm or service)

INSPECTOR, MATERIALS (4-78.671) 363
 Airplane Inspector Magnaflux Inspector
 Assembly Inspector Optical Goods Inspector
 Inspector, Machine Tester

Shop
 Examines aircraft, ordnance, optical, general machine shop, or similar parts for flaws or defects in material, operation, or finish.

Examines articles after various stages of manufacturing or processing, or after completion. Inspects products for dimensions, tolerances, finish, appearance, and defects. Checks dimensions against blueprint specifications. Examines machines, equipment, and tools after periods of use. Searches for imperfections, irregularity of surfaces, and misalignment of parts. Rejects major defects for reprocessing in proper department. Tests metal for hardness or other properties.

May correct minor defects or imperfections by hand.

Uses scales, templates, and precision devices such as calipers and micrometers.

Suggested Military Assignment: (Assign according to type of materials inspected)

- Group II. 042 Camera Repairman (AAF, Sig C)
 098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)
 242 Toolroom Keeper (AAF, Ord Dept, Sig C)
 302 Machine Operator (Designated Machine) (CE, Ord Dept)
 338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)
 381 Watch Repairman (AAF, Ord Dept, TC)
 431 Machinist's Helper (CE, Ord Dept)

TIMBERMAN (5-22.010) 364
 Bracer Loftsmen, Pile Driving
 Heavy Timber Framer Timber Setter

Fits and installs timber sets in mines to support roofs and walls of haulage-ways, passage-ways, and shaft, in buildings, or in other structures.

Cuts end and side notches in timbers. Installs ladders, chutes, cribs, and other framework, using carpenter's tools. Cuts, bores, and nails

together heavy timbers, wood bracing, and planking to build structures such as trestles, cofferdams, wooden supports, and sheet piling. Hews ties and timbers into shape with a broadax.

May operate a power saw to frame timbers used in a mine.

Suggested Military Assignment:

- Group I. 035 Carpenter, Heavy Construction (CE, TC)
 050 Carpenter, General (Any arm or service)
 729 Pioneer (Cav, CE, Inf, TD)

OPTICIAN (5-08.010) 365
 Lens Grinder Lens Polisher

Grinds, polishes, cuts, and edges eyeglasses according to specifications, using a lens grinding machine which has an adjustable scale that can be set to produce lenses with any curvature.

Applies rouge to aid in grinding and checks dimensions of lenses with gauges.

Uses pliers or an electrically heated forming tool to shape the rims.

Suggested Military Assignment:

- Group I. 365 Optician (AAF, MD)
 Group II. 150 Crystal Grinder (Sig C)

ORTHOPEDIC MECHANIC (5-09.410) 366

Artificial-Limb Maker Brace Maker

Makes and repairs various types of braces, supports, artificial limbs, and other orthopedic appliances for feet and legs according to specifications.

Makes a plaster cast or paper imprint of member. Fashions support from stainless steel, plastics, cork, steel, and leather using rivet punch, electric drill, chisels, saws, hammers, and other hand tools. Heats metal supports in forge or furnace and hammers them to shape. Assembles artificial limbs by attaching metal joints to their parts with screws. Strings wires for control by wearer. Molds leather parts over wooden lasts and rivets them to braces with a riveting machine. Pads brace with leather, felt, and cork. Polishes completed aids on a buffing wheel. Hollows out wooden parts of artificial limbs with carving tools, and makes corrections to fit wearer.

Must have completed an orthopedics course at an accredited school and have experience practicing orthopedics.

Suggested Military Assignment:

- Group I. 366 Orthopedic Mechanic (MD)

Group II. 409 Medical Technician (MD)
361 Surgical Technician (MD)

OVEN FIREMAN (4-01.800) 367
Ovenman

Maintains required temperatures in either gas, oil, or coal heated bake ovens in connection with the baking of dough products.

Sets thermostat for desired temperature. Opens drafts, turns valves, or regulates the flow of fuel to regulate heat. Keeps grates and draft free from obstruction. May aid bakers by shaping dough, placing dough in ovens, and removing baked products.

Suggested Military Assignment:

Group I. 590 Duty Soldier III (Any arm or service)

Group II. 017 Baker (AAF, MD, QMC)

PERSONNEL CLERK (1-18.32) 368

Keeps employee and other personnel records for a commercial establishment, governmental agency, or industrial establishment.

Records such data as efficiency ratings, sick and ordinary leave, rate of pay, amount of sales or production, date of employment, and date and cause for termination of services. Records all changes of status of employees such as home address, telephone number, departure, and return from leave, demotion, and promotion. Periodically prepares and renders composite reports covering any of above items. Prepares and sends out information to other organizations or establishments requesting references regarding former employees.

Should have ability to compose letters without copy and have a thorough knowledge of rules, regulations, office methods, and procedures pertaining to personnel.

May operate office machines such as typewriter, addressograph, embossing machine, adding machine, calculating machine, or duplicating machine.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

Group II. 405 Clerk-Typist (Any arm or service)

MANAGER, PRODUCTION (0-97.51) 369
Factory Manager Plant Superintendent

Directs or supervises the operations of a plant or plant division engaged in production or processing of materials or products.

Supervises receipt, inspection, and storage of

incoming materials. Coordinates various phases of production process to meet production schedules. Controls standardization of product in accordance with specifications by supervising inspection operations throughout the process. Regulates flow of finished product into storage and provides for packing, handling, and storage maintenance. Supervises order filling, loading, and shipping operations.

Directs the formulation of methods and techniques for progress reporting, production control, and program scheduling. Diagnoses and assists in solving production and delay problems such as improper management, financial difficulties, labor disputes, priorities on critical materials, and improper tooling.

May oversee the hiring, discharging, transferring, and promotion of employees.

Suggested Military Assignment:

Group II. 252 Foreman, Warehouse (MD, Ord Dept, QMC, Sig C, TC)

PROOFREADER (1-10.07) 370
Galley Reader Proof Checker

Reads proof of type set-up to detect all spelling, grammatical, typographical, or compositional errors.

Checks proof against original copy. Marks errors by means of standardized code and returns proof for correction. Checks corrected proof against copy.

Must have thorough knowledge of spelling, punctuation, grammar, and English usage.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

PURCHASING AGENT (0-91.60) 371
Buyer

Purchases new materials, equipment, machinery, and supplies at most favorable prices consistent with quality, quantity, and other factors.

Takes charge of purchasing for a business concern, industrial plant, government agency, or public utility. Draws up specifications, forwards invitations, opens bids, interviews selling agents, and awards contracts. Maintains records pertaining to goods purchased, such as cost, delivery, inventories, and other items. Should have a thorough knowledge of goods purchased and their use in organization.

Suggested Military Assignment:

Group I. 371 Purchasing Agent (CE, QMC)
819 Commissary Steward (QMC)

835 Supply Clerk (Any arm or service)

Sec. III

CRUSHER OPERATOR (7-22.340) 372

Crusher Feeder Screening-Plant Operator
Ore Crusher Stone Crusher
Rock Crusher Operator

Operates an electric, gasoline, or steam-driven crushing machine to break up or pulverize such materials as rock, coal, or ore.

Feeds the machine by hand, shovel, dump truck, or hoist. Observes flow of materials through crusher, and ascertains correct functioning of mechanism. Reduces any stoppages which occur when large pieces clog the mechanism by moving levers to stop and start the machine. Breaks oversized pieces with sledge hammer. Sizes crushed material by screening. Uses hose system to lay dust.

Suggested Military Assignment:

Group I. 188 Duty Soldier II (Any arm or service)

359 Construction Machine Operator (AAF, CE)

SALES CLERK (1-70.10) 373

Salesperson

Sells merchandise to customers in a commercial establishment.

Receives cash payment for articles, wraps them, makes change, and gives articles to customer. Keeps merchandise neatly arranged on counters and shelves.

Suggested Military Assignment:

Group I. 373 Sales Clerk (QMC)

835 Supply Clerk (Any arm or service)

STOCK CONTROL CLERK (1-38.04) 374

Inventory Control Clerk Stock Order Lister
Merchandise Control Clerk

Controls the amount of stock on hand in an establishment by keeping a perpetual inventory, taking periodic physical inventory, or checking the inventory records prepared by other workers.

Calculates stock on hand and orders those items which have become depleted, estimating from production, sales, or other records the amount required for future sales or future use.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

STUDENT, PHARMACY (0-X7) 375

Has successfully completed more than half of a major in pharmacy at an accredited college or university.

Suggested Military Assignment:

Group I. 409 Medical Technician (MD)

411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

858 Medical Laboratory Technician (MD)

859 Pharmacy Technician (AAF, MD)

DENTAL HYGIENIST (0-50.07) 376

Oral Hygienist

Assists dentist by cleaning teeth and preparing patients for dental work.

Removes calcareous deposits, accretions, and stains from the surface of teeth. Sterilizes instruments. Mixes materials for fillings. Makes appointments and keeps clinical records. Orders supplies.

Suggested Military Assignment:

Group I. 855 Dental Technician (MD)

Group II. 067 Dental Laboratory Technician (MD)

TRACER (0-48.31) 377

Makes tracings of drawings of machines or parts with ink or pencil upon transparent paper or cloth spread over the drawings.

Equipment includes T-square, compass, pens, pencils, straight edge, and tracing paper and cloth.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

MOTORCYCLIST (7-35.200) 378

Drives any of the standard makes of motorcycles, usually equipped with a carrying compartment, to deliver and pick up light merchandise and other items.

May make minor mechanical repairs to motorcycle.

Suggested Military Assignment:

Group I. 378 Motorcyclist (Armd Comd, Inf, Ord Dept, TD)

Group II. 138 Motorcycle Mechanic (Ord Dept)

345 Truck Driver, Light (Any arm or service)

TRAFFIC RATE CLERK (1-18.97) 379

Freight-Rate Clerk

Determines freight rates and classifications applicable to various types of merchandise to be shipped or that have been shipped.

Using railroad guides and rate tables, determines shortest practicable routing between points and computes freight rates and charges.

Classifies outgoing freight, prepares shipping papers, and keeps records of transportation.

Prepares correspondence relative to quotation of rates on over, short, and damaged shipments. Files claims with transportation companies for overcharges.

May operate a calculating machine.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

835 Supply Clerk (Any arm or service)

WATCH REPAIRMAN (4-71.510) 381

Watch Maker Clock Maker
Clock Repairman

Cleans, adjusts, and repairs watches or clocks.

Takes timepiece apart for repairing or cleaning by prying off or unscrewing case, lifting mechanism from case, and disassembling springs, balances, and other parts. Examines various parts to discover defects and repairs and adjusts timepiece by inserting new main or hairsprings, resetting pivots, and repairing or replacing affected parts. Cleans timepiece by brushing parts or by immersing parts in benzine, gasoline, or other cleaning solutions. Oils timepiece.

Equipment includes small pliers, tweezers, screw drivers, magnifying lenses, watchmaker's lathe, and watchmaker's brush.

Suggested Military Assignment:

Group I. 098 Instrument Repairman, Nonelectrical (CE, Ord Dept, Sig C)

381 Watch Repairman (AAF, Ord Dept, TC)

FOREMAN, HIGHWAY (5-94.080) 382
Road Boss Road Overseer

Supervises workers engaged in road or highway construction.

Directs the clearing of rights-of-way through which roads will pass, and grading and preparation of subgrades. Supervises laborers in the preparation and laying of asphalt, brick, concrete, gravel, macadam, stone, or wood block road surfaces. Supervises workers in the installation of guard rails, stone or concrete curbing, and culverts.

Suggested Military Assignment:

Group I. 059 Foreman, Construction (AAF, CE, TC)

356 Foreman, Labor (AAF, CE, QMC, TC)

359 Construction Machine Operator (AAF, CE)

FIRE FIGHTER (2-63.10) 383

Fire Chief Fireman
Fire Marshal

Combats flames and smoke in the rescue of people and property from burning buildings, forest, brush, and grass fires.

Connects hose couplings to pumps and hydrants, lays hose, and controls the flow of water to suppress the fire. Uses prepared chemical solutions in combating petroleum fires.

May drive fire truck.

Must know resuscitation and first aid.

Suggested Military Assignment:

Group I. 383 Fire Fighter (CE, CWS)

INSTALLER, TOLL TELEPHONE AND TELEGRAPH (5-53.920) 384

Telegraph-Repeater Installer

Installs and tests terminal equipment for toll telephones and telegraph, and telegraph printer circuits in accordance with Bell system practice.

Installs and does initial testing of telephone repeaters, telegraph repeaters, toll and telegraph testboards, and telephone and telegraph carrier systems.

Must be able to use a wide variety of tools and testing equipment including screw driver, pliers, wire cutters, knife, hammer, saw, brace and bit, and electrical testing devices.

Must be familiar with wiring circuits and equipment used in toll telegraph system.

Suggested Military Assignment:

Group I. 097 Installer-Repairman, Telephone and Telegraph (AAF, CE, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

Group II. 261 Wire Chief, Telephone and Telegraph (AAF, Sig C, TC)

POWER PLANT INSTALLER

(5-51.510) 385

Installs battery, charging, and power equipment in a telegraph or telephone central office.

Installs, operates, and tests motor generator, gasoline engine generator sets, mercury arcs, electron tubes, rectex rectifiers, interrupters, tone generators, voltage regulators, noise filters, and automatic control equipment.

Must be able to read and interpret blueprints and lay-outs set up by equipment engineers. Must understand the operation of storage batteries and the methods of charging them.

Suggested Military Assignment:

Sec. III

Group I. 097 Installer-Repairman, Telephone and Telegraph (AAF, CE, Sig C)

166 Powerman, (AAF, Sig C)

232 Switchboard Installer-Repairman, Manual (Sig C)

ENTERTAINER (0-02.20) 386

Comedian Reader
Impersonator Showman
Narrator

Entertains or affords amusement to an audience by means of a skit, dance, reading, feat of skill, song, or comedy act.

May tell jokes, deliver comic lines, and sing humorous songs. May perform comedy, tap, or ballroom dances. May announce other acts in a program and fill in between them. May play such musical instruments as a harmonica, accordion, banjo, ukelele, or guitar.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

CARTOGRAPHER (0-48.15) 387

Draftsman, Map Map Maker

Performs various drafting tasks in connection with the drawing of maps, other than topographical, of roads, cities, towns, and other geographic areas.

Computes, draws, and copies maps from notes or other maps, using such tools as T-square, triangles, engineer's scale, French curve, railroad and contour pens, lettering guides, protractor, map measure, drawing tables, and color paints. Colors terrain features.

Suggested Military Assignment:

Group I. 070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

387 Cartographer (CE)

PHYSICIST (0-39.48) 388

Conducts research and testing activities in such phases of physical phenomena as mechanics, heat, light, electricity, and pneumatics.

Tests materials to determine accurately such physical properties as tensile strength, center of gravity, coefficient of expansion, permeability, and fluid pressures. Applies results of tests to solution of specific and general problems. Analyzes products or conclusions of experiments.

Laboratory equipment includes apparatus for

determining melting point, vapor density, and specific gravity; scales and glass and rubber tubing; furnaces, flow meters, strainometers, gauges, and thermometers; and electrical measuring devices.

May write and publish results of experiments. May teach physics. May act as technical consultant to industrial establishment testing or research laboratory.

Must have completed graduate college work in physics, or have equivalent technical and research experience.

Suggested Military Assignment:

Group I. 160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)

243 Geodetic Computer (AAF, CE)

BIOLOGIST (0-39.31) 389

Conducts research and experiments in bacteriology, plant pathology, mycology, or other branch of agricultural and biological science.

Studies origin, development, function, classification, distribution, relationship, and other characteristics of plant and animal life.

May specialize in a particular plant, animal, or aspect of biology, performing research in a laboratory, greenhouse, or in field.

Suggested Military Assignment:

Group I. 196 Sanitary Technician (MD)

411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

858 Medical Laboratory Technician (MD)

Group II. 409 Medical Technician (MD)

484 Entomology Technician (MD)

861 Surgical Technician (MD)

AUDITOR (0-01.60) 390

Examines all accounting records of an establishment for validity of statements.

Checks computations and extensions in terms of overages and shortages in various types of accounts and accounting records. Prepares certificate of audit showing total assets, liabilities, profit, and loss. Indicates condition of accounts by itemizing such accounts as cost of operation, debts incurred, volume of sales, disbursements, depreciation of equipment, and net profits.

Must have experience in auditing operations. Should have college training in business administration or have equivalent training and experience.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

623 Finance Typist-Clerk (AAF, FD)

624 Finance Clerk (FD)

LIBRARIAN (0-23.20) 391

Cataloguer Librarian Assistant
Classifies, catalogs, shelves, and distributes books and periodicals.

Advises on selection of books of special interest to groups or individuals. Assists in locating reference material. Secures, releases, and stamps date on outgoing books. Checks off incoming books and inspects them for damage. Checks records for overdue books and sends overdue notices to borrowers. Collects fines on overdue books.

May repair slightly damaged books. May sort, strip, and assemble periodicals for binding. May put pamphlets in temporary binders.

Must understand Dewey Decimal system used in library classification and cataloging. Must have formal training in library work or have completed an apprenticeship in library work.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

STUDENT GEOLOGY (0-X7) 393

Has a degree from an accredited college or university with a major in geology.

Suggested Military Assignment:

Group I. 076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

387 Cartographer (CE)

784 Weather Observer (AAF, CAC, Cav, CWS, FA)

787 Weather Forecaster (AAF, CWS)

STUDENT, JOURNALISM (0-X3) 394

Has a degree from an accredited college or university with a major in journalism, advertising, or in related fields.

Suggested Military Assignment:

Group I. 274 Writer, Military Subjects (Any arm or service)

Group II. 288 Playwright (Sig C, Special Service Division, ASF)

STUDENT, SOCIOLOGY (0-X6) 395

Holds a degree from an accredited college or

university with a major in sociology and has taken courses in such subjects as community organization, population problems, anthropology, social service work, public or private welfare administration, criminology, or related subjects.

Suggested Military Assignment:

Group I. 262 Occupational Counselor (AAF, AGD, MD)

289 Personnel Consultant Assistant (Any arm or service)

Group II. 263 Psychiatric Social Worker (AAF, AGD, MD)

STUDENT, MODERN LANGUAGE

(0-X3) 398

Holds a degree from an accredited college or university, majoring in foreign languages.

Reads and translates one foreign language, other than English, without difficulty.

Should be able to speak the language with a fair degree of fluency.

Suggested Military Assignment:

Group I. 267 Translator (AAF, CWS, Sig C)

320 Interpreter (AAF, CMP)

Group II. 538 Voice Interceptor (Designated Language) (AAF, Sig C)

709 Traffic Analyst (Radio) (AAF, Sig C)

738 Intercept Operator G (AAF, Sig C)

739 Intercept Operator J (AAF, Sig C)

REPORTER (0-06.71) 399

Correspondent News Gatherer
Feature Writer

Collects pertinent facts concerning events having news value by interview and investigation.

Interviews persons, observes events, takes notes, and writes clear, concise, and interesting accounts on subjects of news interest.

May specialize in one type of news work such as sports, fires, police court trials, politics, social events, business, or foreign events.

Suggested Military Assignment:

Group I. 274 Writer, Military Subjects (Any arm or service)

TABULATING MACHINE OPERATOR

(1-25.64) 400

Sorting Machine Operator

Operates electrically powered machines such

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as tabulators, sorters, reproducers, interpreters, and collators that automatically analyze, calculate, translate, divide, and print data represented by holes punched in tabulating cards.

Wires plug board for desired operation and inserts board in machine. Places cards to be processed in feed magazine and starts machine. Maintains punched card files and controls. Makes minor adjustments to guides, rollers, and feed magazine using screw drivers, wrenches, and pliers.

Must be thoroughly experienced in the operation of one of the machines listed above, and should be familiar with the operation of all of the other machines listed.

Suggested Military Assignment:

Group I. 272 Key Punch Machine Operator (AGD)

400 Tabulating Machine Operator (AAF, AGD)

HIGH VOLTAGE CABLE SPLICER

(5-53.950) 401

Splices high voltage wires to join multiple conductor cables in the installation and maintenance of electric railway catenary systems.

Dries out moisture from splice with paraffin or desiccant, wraps, and covers with lead sleeves. Tests sheath by means of gas or air under pressure. Tests conductors for continuity and insulation by means of buzzer system or other test instruments. Climbs poles, using climbing tools and aids.

Tools and equipment used include climbing irons, safety belt, repair set consisting of wire, pliers, screw driver, knife, splices, insulating and friction material, and conductor and insulation testers.

Must be familiar with standard operating rules and regulations governing railway electric transmission systems. Should be able to splice rubber covered cable. Should have experience on cables of 440 voltage and higher.

Suggested Military Assignment:

Group I. 039 Cable Splicer, Tp and Tg (AAF, Sig C)

165 Lineman, Power (CE)

182 High Voltage Lineman (TC)

238 Lineman, Tp and Tg (AAF, Sig C, TC)

401 High Voltage Cable Splicer (TC)

PHOTOGRAPHER, NEWS

(0-56.31) 402

Cameraman

Takes pictures of news events or important personages for use in illustrating news stories or for pictorial magazines.

Adjusts focus of camera and takes picture. Returns exposed plate to darkroom. Frequently specializes in one branch of work such as news, sports, or portrait.

May develop negatives and print pictures. May make enlargements of illustrative material secured by reporters.

Must understand the mechanics, operation, care, and maintenance of standard news type still cameras and accessories. Must have a knowledge of the fundamentals of filters, use of auxiliary lighting units and photographic chemistry, including use of various chemical solutions and laboratory equipment necessary to processing negatives. Should have experience as a staff photographer for a daily newspaper or a news magazine.

Suggested Military Assignment:

Group I. 152 Photographer (AAF, CE, CMP, CWS, Sig C)

945 Photographic Laboratory Technician (AAF, CE, Sig C)

CLERK-TYPIST (1-37.34) 405

Dictaphone Operator **Typist**
Transcribing-Machine Operator

Performs a variety of clerical duties using a standard typewriter to accomplish a majority of the work.

Types letters, reports, and other matter from rough draft, corrected copy, or from material recorded by dictaphone or ediphone transcribing machines. Files records, reports, and other matter using numerical or alphabetical filing system. Sorts, routes, distributes, and dispatches incoming and outgoing mail. Answers telephone and records messages.

Must be able to type accurately at a minimum speed of 35 words per minute. Must understand simple grammatical construction and composition. Should understand operation of simple office machinery such as mimeograph, ditto, addressograph, adding machine, and phone transcribing machine.

Should have high school commercial training including typing or equivalent training and experience.

Suggested Military Assignment:

Group I. 405 Clerk-Typist (Any arm or service)

SOUND MIXER, MOTION PICTURE

(0-66.14) 407

Regulates tone and volume of sound picked up by one or more microphones on a motion picture set so that the sound may be recorded on films or records to give desired effects.

Studies script of dialogue, sound, and music effects for each scene. Locates sound mixing board near stage set. Tests equipment by turning power switch and checking meter readings. Listens to sound input through headphones and watches volume level indicator closely. Adjusts tone, volume, and sound controls by means of control switches on sound mixing board.

Suggested Military Assignment:

Group I. 287 Sound Editor, Motion Picture (Sig C)

407 Sound Mixer, Motion Picture (Sig C)

AIRPORT CONTROL OPERATOR

(0-61.60) 408

Airport Control Tower Operator

Controls the take-off and landing of transport and noncommercial aircraft at an airport by direct voice-radio communication, lights, or flag signals.

Issues pertinent information concerning weather conditions at the field. Signals craft at the downwind end of the runway when to take-off. Controls airport lights. Establishes radio contact with incoming planes and issues instructions for approaching the field, ordering each pilot to fly a specific course at a definite flying level.

Keeps records of communications received from aircraft.

Suggested Military Assignment:

Group I. 552 Control Tower Operator (AAF)

MEDICAL TECHNICIAN

(0-50.01) 409

Hospital Technician Medical Laboratory Pathological Technician Technician

Performs routine tests in a medical or hospital laboratory to obtain data needed by doctors in diagnosing and treating patients.

Makes blood counts and smears, gives biological skin tests, examines urine chemically for albumin, acetone, and indican, prepares vaccines and types blood for transfusions. Prepares reagents used in tests, keeps a record of each test performed, and uses standard chemical laboratory equipment for testing such as scales, graduates, microscopes, and slides.

Must have at least 1 year's experience in the duties listed.

Suggested Military Assignment:

Group I. 409 Medical Technician (MD)

858 Medical Laboratory Technician (MD)

Group II. 861 Surgical Technician (MD)

DISPATCHER, MOTOR VEHICLE

(1-18.61) 410

Dispatches motor vehicles, assigning drivers, arranging routes, and maintaining pertinent records.

Receives and fills authorized requisitions for motor vehicles. Records speedometer readings, daily consumption of gas and oil, and time of departure and arrival of motor vehicles.

May route and reroute motor vehicles in order to maintain proper time schedules in transportation terminals.

Must be familiar with traffic laws and regulations. Should be fully qualified driver and be capable of instructing in operation and care of motor vehicles.

Suggested Military Assignment:

Group I. 345 Truck Driver, Light (Any arm or service)

931 Truck Driver, Heavy (Any arm or service)

Group II. 055 Clerk, General (Any arm or service)

CHEMICAL LABORATORY ASSISTANT

(0-50.22) 411

Chemist Assistant

Assists in a chemical laboratory by performing such routine tests as filtration, titration, or precipitation.

Makes laboratory test reports. Furnishes test data. Checks analyses with specifications. Maintains supply of chemicals in laboratory. Keep laboratory equipment clean.

Equipment used includes organic and inorganic chemicals, laboratory glass apparatus such as flasks, beakers, burettes, condensers, and graduates, glass and rubber tubing of various sizes, and analytical balances.

Suggested Military Assignment:

Group I. 160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)

411 Chemical Laboratory Assistant (AAF, CE, CWS, MD, Ord Dept, QMC)

945 Photographic Laboratory Technician (AAF, CE, MD, Sig C)

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ENGINE SPECIALIST

(4-75.010) 412

Machinist, Automobile

Operates various kinds of metal-working machinery such as lathes, piston turning, and valve grinding machines in connection with the repair and rebuilding of automobile engines.

Examines such parts of engines as pistons, cylinder bores, valves, valve springs and seats, crank shafts, bearings and bushings for wear, excessive tolerance, misalignment, and defective or broken parts. Repairs and replaces worn and defective parts, performing such tasks as installing valve inserts, refacing and replacing of valve seats, rebabbiting of connecting rods and main bearings, straightening and machining of crankshafts, and crank shaft journals, and refacing brake drums.

Uses such tools and equipment as mechanic's hand and bench tools, engine lathe, valve refacing machines, cylinder boring machine, and precision gauges.

Must be able to read and interpret blueprints. Must be capable of shaping metal parts to precise dimensions within specified tolerance requirements and standards. Must be familiar with the working properties of such metals as aluminum, brass, cast and wrought iron, and various steels.

Suggested Military Assignment:

Group I. 114 Machinist (AAF, CE, CWS, Ord Dept, QMC, Sig C, TC)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

MOTOR INSPECTOR

(5-81.620) 413

Motor Analyst Motor Test Man

Tests the operating efficiency of automobiles to determine causes of faulty functioning and extent of repairs needed.

Conducts tests on such parts as engine, cooling system, and carburetor, using special testing devices to obtain data on operating condition including motor timing, cylinder compression, fuel consumption. Reads gauges and meters on testing devices and ascertains trouble by comparing results with standard chart or interpreting readings according to his experience. Makes report of findings to shop foreman or advises customer on extent of servicing or repair necessary.

Should have extensive experience in all phases of automobile repair or equivalent training and experience.

Suggested Military Assignment:

Group I. 413 Motor Inspector (Armd Comd, Ord Dept)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

CARBURETOR SPECIALIST

(7-81.610) 414

Carburetor Man, Aircraft Carburetor Man, Automotive

Inspects, tests, and performs complete overhaul and reassembly operation on carburetors used in aircraft or automobiles.

Adjusts air and gas supply by turning adjustment screws. Dismantles defective carburetors and inspects parts, either visually or by use of wire gauges. Replaces defective parts with new ones. Performs such grinding, machining, and adjusting of parts as is necessary to fit them within specified tolerances. Reassembles and tests unit, adjusting throttle rod for correct operation.

Equipment used includes carburetor repair tools, engine lathes, electric hand drills, pressure gauges, calipers, micrometers, and reamers.

Must have a thorough knowledge of the construction and operation of various types of carburetors, either automotive or aircraft.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

926 Mechanic, Fuel Induction (AAF, CE, Ord Dept)

Group II. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

ELECTRICIAN, SOUND TRANSMISSION

(5-56.040) 415

Transmission Man

Establishes and maintains all electric circuits necessary for the transmission, recording, and reproduction of sound on a motion picture stage.

Checks visually various patching cords of a sound circuit in recording and amplifying rooms to insure a flow of current from the sound stage

to the recording machine. Checks electrical frequency devices to make sure they are of the proper type and changes them when necessary. Tests the circuits and sound equipment by using various portable testing instruments such as voltmeters and ammeters. May operate disk electrical recording devices. May repair microphones, amplifiers, sound mixing panels, attenuators and recorders.

Suggested Military Assignment:

Group I. 208 Sound Recorder, Motion Picture (Sig C)

415 Electrician, Sound Transmission (Sig C)

BOOKBINDER (4-49.010) 416

Binds books, pamphlets, or other publications.

Makes cases and covers from paper, cloth, leather, or other material. Applies glue to back of sewn signatures to stiffen them, and joins covers and bodies. Colors edges of signatures with plain or mixed colors to give the appearance of marble. Reinforces backs of books by gluing fabric strips to them, gluing cover boards to end sheets, and drying books in a press. Mounts maps, charts, drawings, and sketches on paper, muslin, or canvas.

Operates cutters, sewing machines, staplers, wire stitchers, punches, and other machines, and tools in a bookbindery.

Suggested Military Assignment:

Group II. 055 Clerk, General (Any arm or service)

609 Leather and Canvas Worker (AAF, CE, CWS, Ord Dept, QMC)

SKIER (0-57.01) 418

Negotiates difficult cross-country or mountainous terrain on skis performing such specialized aspects of the sport as slalom, hill climbing, and jumping.

Waxes and polishes skis to provide smooth gliding and waterproof surface. Adjusts and makes minor repairs to boot holders, or replaces defective straps, buckles, or similar holding devices.

May have experience in organized competition as a professional or amateur skier. May have experience as a coach or instructor. Should be a member of a recognized ski club.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

745 Rifleman (Inf, TD)

761 Scout (Cav, CE, Inf)

MOUNTAINEER (3-96.00) 419

Is an expert in camping, hiking, mountain climbing, and other outdoor activities.

May hold membership in a nationally recognized hiking club or may have worked as a guide in one of the national parks or in a region where expertness in mountaineering was required.

Should be able to instruct others in climbing, skiing, snowshoeing, and other phases of outdoor life.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

745 Rifleman (Inf, TD)

761 Scout (Cav, CE, Inf)

844 Gun Crewman, Light Artillery (FA, Inf)

1531 Gun Crewman, Pack Artillery (FA)

NORTH WOODSMAN (3-96.00) 420

Engages in hunting, timber cruising, or other occupations pursued in remote wooded regions. Acts as guide to hunting and fishing parties.

Has considerable experience in living and working alone for extended periods in localities which are far from human habitation and are subject to heavy snows and other extremes of weather.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

745 Rifleman (Inf, TD)

761 Scout (Cav, CE, Inf)

844 Gun Crewman, Light Artillery (FA, Inf)

1531 Gun Crewman, Pack Artillery (FA)

TRAFFIC ENGINEER (0-39.94) 421

Establishes plans to route vehicular traffic through city streets and along state highways in order to prevent road congestion, and to insure safety and free movement of traffic.

Studies traffic conditions, and conducts experiments with tentative or sample plans for control. Directs studies on traffic loads and causes of accidents, and prescribes safety precautions necessary to accident prevention. Issues regulations, procedures, and circulation maps containing prescribed traffic plans. Makes recommendations on traffic control and road improvements. Recommends changes in timing and location of traffic signals. Redesigns street and highway intersections, considering necessity for vehicular and pedestrian traffic controls.

Suggested Military Assignment:

Group II. 069 Dispatcher, Railway (TC)

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PODIATRIST (0-52.01) 422

Chiropractor Orthopedic Specialist
Makes diagnoses and treats minor ailments of the feet.

Removes corns and bunions and treats similar defects. Massages feet, administers local anaesthetics, and antiseptics. Prescribes correct footwear. Is not qualified to amputate or administer general anaesthetics or drugs.

Must have completed a course of study recommended by the Council of Education of the National Association of Chiropractors.

Should hold a degree of Doctor of Surgical Chiropody (D.S.C.) from an accredited school of chiropody or podiatry.

Suggested Military Assignment:

Group I. 422 Podiatrist (MD)

Group II. 861 Surgical Technician (MD)

409 Medical Technician (MD)

CHIROPRACTOR (0-42.10) 423

Manipulates or adjusts joints of the spine to relieve illness caused by pressure upon the nervous system at the spine. Corrects posture of patients.

Must hold a diploma from an accredited school of chiropractic and hold a state chiropractor's license.

Suggested Military Assignment:

Group I. 409 Medical Technician (AAF, MD)

657 Medical Aidman (AAF, MD)

861 Surgical Technician (AAF, MD)

CITY PLANNER (0-16.01) 424

City Planning Engineer

Works for city or regional planning agency, studying physical and sociological development of locality, and developing recommended programs of control and development.

Collects and compiles data on rate, character, and direction of city growth. Studies and recommends measures to solve such problems as rehabilitation of blighted areas, regulation of land subdivisions, and control of traffic. Administers and recommends changes in zoning ordinances. Prepares plans of physical development of cities, including projected playgrounds, parks, schools, and streets. Develops long-term plans of capital expenditures for development of city plant.

Should be accredited civil engineer or have completed courses in economic and social planning at an accredited college or university or

have equivalent practical experience. Should have experience on staff of a planning agency.

Suggested Military Assignment:

Group I. 059 Foreman, Construction (AAF, CE, TC)

070 Draftsman (AAF, CE, CWS, FA)

076 Draftsman, Topographic (AAF, Armd Comd, Cav, CE, Inf, QMC, TC)

227 Surveyor (AAF, CE, QMC, TC)

228 Survey and Instrument Man (CE, FA, TC)

230 Surveyor, Topographic (AAF, CE, FA, TC)

387 Cartographer (CE)

Group II. 670 Master Gunner, CA (CAC)

724 Range Section Operator, CA (CAC)

TABULATING MACHINE REPAIRMAN

(5-83.126) 425

Statistical Machine Serviceman

Makes electrical and mechanical repairs and adjustments to electrically powered machines such as tabulators, sorters, reproducers, key punch machines, interpreters, collators, and test scoring machines.

Disassembles machines and replaces defective or worn parts or units such as gears, generators, and motors. Makes mechanical and electrical adjustments to feed knives, camshafts, ratchets, guides, rollers, and pinions. Uses various mechanic's hand tools including wrenches, screw drivers, files, pliers, hammers, and gauges.

Must be able to wire and operate tabulating machines.

Should have completed a repair course given by a business machine company or have at least 1 year's experience in the maintenance and repair of tabulating machines.

Suggested Military Assignment:

Group I. 400 Tabulating Machine Operator (AAF, AGD)

425 Tabulating Machine Repairman (AAF, AGD)

Group II. 098 Instrument Repairman, Non-electrical (CE, Ord Dept, Sig C)

338 Instrument Repairman, Electrical (CE, Ord Dept, Sig C)

685 Airplane Electrical Mechanic (AAF)

686 Airplane Instrument Mechanic (AAF)

ECONOMIST (0-39.14) 426**Economic Analyst**

Performs technical and scientific work in the field of economics. Plans, organizes, conducts, and reports upon economic research either in a specialized field or in several related fields, or teaches or instructs in theory or history of economics.

Initiates and conducts surveys to compile data on production, distribution, consumption, exports, imports, and cost of production. Compiles and supervises compilation of statistical data. Analyzes and evaluates data and determines trends. Prepares the results of economic studies for publication.

Should hold a bachelor's degree with specialization in economics from an accredited college or university or have the equivalent in training or experience. Should have experience in some phase of economic research or teaching.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

OSTEOPATH (0-39.96) 427

Heals illnesses by manipulation of bones, muscles, and nerves, or by application of mechanical braces and other mechanical devices. Advises patients how to correct habits that have caused faulty body structure.

Must hold degree from an accredited school of osteopathy.

Suggested Military Assignment:

Group I. 409 Medical Technician (MD)

861 Surgical Technician (MD)

GUIDE, HUNTING AND FISHING

(3-96.10) 429

Guides and serves parties of sportsmen on hunting and fishing expeditions.

Assists in planning itineraries. Advises concerning hunting and fishing laws and supplies and equipment to be carried. Guides parties to camp sites and on tours throughout the surrounding regions. Performs heavy work around camp and usually cooks for the entire party.

Should have knowledge of the country and ability to orient himself if in unfamiliar territory.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

745 Rifleman (Inf, TD)

761 Scout (Cav, CE, Inf)

844 Gun Crewman, Light Artillery (FA, Inf)

1531 Gun Crewman, Pack Artillery (FA)

TRAPPER (3-97.30) 430

Traps game and sells skins, meat, or live catch.

Chooses proper location for traps, and sets, baits, and camouflages traps in accordance with his knowledge of animal habits. Regularly inspects traps to determine whether any game has been captured. Kills, skins, and cleans animals. Treats pelts and markets his catch. Conforms to local laws and regulations governing trapping.

Suggested Military Assignment:

Group I. 729 Pioneer (Cav, CE, Inf, TD)

745 Rifleman (Inf, TD)

761 Scout (Cav, CE, Inf)

844 Gun Crewman, Light Artillery (FA, Inf)

1531 Gun Crewman, Pack Artillery (FA)

MACHINIST'S HELPER (7-94.100) 431

Machinist's Apprentice Tool Maker's Helper Tool Maker's Apprentice

Operates bench, machine, or hand tools, assisting a machinist in the construction and repair of metal parts, tools, and machinery.

Helps in setting up, adjusting, and operating simple machine tools. Carries and delivers tools, materials, and stock from tool and stock room. Assists in assembling, erecting, installing, maintaining, and repairing machinery and equipment such as engines, pumps, gears, and motors. Does simple machine and bench work. Keeps machinery oiled and clean. Sharpens cutting tools.

Uses machinist's hand tools such as scrapers, chisels, files, precision, and measuring instruments. Sets up and operates shaper, planer, lathe, milling machine, and drill press. Should be able to read blueprints. May work from written specifications.

Suggested Military Assignment:

Group I. 302 Machine Operator (Designated Machine) (CE, Ord Dept)

431 Machinist's Helper (CE, Ord Dept)

Group II. 098 Instrument Repairman, Non-electrical (CE, Ord Dept, Sig C)

BANDSMAN, CLARINET

(0-24.12) 432

Plays clarinet in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or

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have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 432 Bandsman, Clarinet (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, CORNET OR TRUMPET

(0-24.12) **433**

Plays trumpet or cornet in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 433 Bandsman, Cornet or Trumpet (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, BASS DRUM

(0-24.12) **434**

Bandsman, Glockenspiel

Plays a bass drum in symphony orchestra, dance orchestra or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 434 Bandsman, Bass Drum (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, SNARE DRUM

(0-24.12) **435**

Plays a snare drum in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 435 Bandsman, Snare Drum, (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, EUPHONIUM OR

BARITONE (0-24.12) 436

Plays euphonium or baritone in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 436 Bandsman, Euphonium or Baritone (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, FLUTE OR PICCOLO

(0-24.12) **437**

Plays flute or piccolo in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 437 Bandsman, Flute or Piccolo (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, FRENCH HORN

(0-24.12) **438**

Plays French horn in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 438 Bandsman, French Horn (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, SAXOPHONE

(0-24.12) **439**

Plays saxophone in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 439 Bandsman, Saxophone (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, TROMBONE

(0-24.12) **440**

Plays trombone in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 440 Bandsman, Trombone (Any arm or service)

442 Entertainment Specialist (Any arm or service)

BANDSMAN, TUBA (0-24.12) 441

Plays tuba in symphony orchestra, dance orchestra, or band.

Must have professional playing experience or have completed training with a competent private tutor or at a school of music.

Suggested Military Assignment:

Group I. 441 Bandsman, Tuba (Any arm or service)

442 Entertainment Specialist (Any arm or service)

ENTERTAINMENT SPECIALIST

(0-97.81) 442

Entertainment Director Master of Ceremonies
Radio Program Director Stage Director

Plans, organizes, and directs entertainment programs which include musicians, singers, dancers, and other types of performers.

Maintains contacts with booking agents, dramatic schools, and actors' organizations for the purpose of being able to engage suitable professional or amateur talent. May supervise the business management of a production.

May act as master of ceremonies in the presentation of theatrical programs.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

FIREARMS IDENTIFICATION

SPECIALIST (0-66.31) 443

Ballistic Expert Firearms Expert

Analyzes ballistic evidence essential to the solution of a criminal case.

Identifies firearms by determining through various tests the caliber and model of the gun used, the distance and direction from which the shot was fired, and the peculiarities of the rifling of the gun barrel. Prepares and submits reports of findings.

May perform other law enforcement duties.

Suggested Military Assignment:

Group I. 301 Investigator (AAF, CMP)

669 Military Policeman, Occupied Territory (CMP)

677 Military Policeman (AAF, CMP)

CRIMINAL IDENTIFICATION LABORATORY

TECHNICIAN (0-07.04) 445

Determines the identity of unknown persons

and the physical or chemical nature of substances constituting evidence in criminal cases.

Applies an extensive knowledge of the methods of physical examination and chemical analysis, photography, X-ray techniques, and other specialized scientific procedures to the solution of criminal identification problems.

May make specialized studies of firearms and exploded cartridge cases for identification purposes.

Suggested Military Assignment:

Group I. 264 X-ray Technician (MD)

301 Investigator (AAF, CMP)

411 Chemical Laboratory Assistant (CWS, QMC)

677 Military Policeman (AAF, CMP)

Group II. 511 Armorer (Armd Comd, Cav, CMP, CWS, Inf, Ord Dept, QMC, Sig C)

903 Small-Arms Weapons Mechanic (AAF, Ord Dept)

911 Airplane Armorer (AAF)

STUDENT, GEOGRAPHY

(0-X7) 448

Has completed at least 2 full years of college work. Has earned at least 9 semester hour credits in geography courses.

Suggested Military Assignment:

Group I. 784 Weather Observer (AAF, CAC, Cav, CWS, FA)

PROCESS BACKGROUND SUPERVISOR

(5-55.010) 449

Directs the projection of all photographic process background images which are thrown on or through screens to provide background for scenes being photographed.

Arranges set-up of projectors and angles of projection to secure proper effect when shown on single or double opaque screens from front, or translucent screen from rear. Assists in placing of camera to insure that foreground and background will be in proper proportion and angle. Prepares projection plates and slides for desired background effects.

Equipment includes slide projectors, opaque and translucent screens, motion picture projectors, slide transparency repair equipment, and spotlights.

Suggested Military Assignment:

Group I. 137 Projectionist, Motion Picture (Any arm or service)

286 Motion Picture Production Technician (AAF, Sig C)

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DIETITIAN (0-39.93) 450**Nutrition Expert**

Plans balance daily menus and special diets for a hotel, restaurant, school, hospital, or public institution.

Prepares menus containing proper proportions of vitamins and calories. Orders supplies. Supervises activities of chef in preparation and serving of food. Oversees kitchen and inspects it for cleanliness. In a hospital, confers with patients and physicians regarding diets.

Must have considerable training in nutrition or dietetics.

Suggested Military Assignment:

Group I. 060 Cook (Any arm or service)

FORESTER (0-38.00) 451**Forest Ranger Silviculturist****Range Examiner Timber-Culture Assistant**

Manages and cares for forests, utilizing resources to fullest extent. Makes surveys of forest resources. Studies fire control problems and recommends additional fire look-out stations and roads needed to reduce fire hazards. Conducts technical investigations into control of tree diseases, prevention of forest fires, and reproduction and growth of trees. Formulates policies pertaining to logging and the use of forest areas for recreational or economic purposes. Supervises the planting of trees. Estimates value of standing timber.

May conduct recreational studies and surveys to determine location of suitable recreational areas and facilities, trails, and number of people using them.

Must have completed a course in forestry at an accredited school or college or have the equivalent in training and experience.

Suggested Military Assignment:

Group I. 329 Lumberjack (CE)

729 Pioneer (Cav, CE, Inf, TD)

761 Scout (Cav, CE, Inf)

Group II. 745 Rifleman (Inf, TD)

OPTOMETRIST (0-53.10) 452

Examines patient's eyes and prescribes lenses and eye exercises to correct structural and muscular defects.

Inspects visually the exterior of patient's eyes and with the aid of special instruments and devices examines the interior of the eyes to estimate the shape of the eye lens as a guide in the selection of corrective lenses. Selects the appropriate lens to correct for near- or far-sightedness or for astigmatism by directing the patient to

read eye charts through the trial lenses. Recommends eye exercises to alleviate cross eyes and other muscular defects. Uses such instruments as ophthalmoscope, retinoscope, and perimeter.

Is not qualified to perform medical and surgical treatment of eye disorders.

Must be registered in the state in which practicing. Must have completed required course of instruction at an accredited school.

Suggested Military Assignment:

Group I. 452 Optometrist (MD)

SPECIAL EFFECTS SUPERVISOR

(0-56.41)

453

Cameraman, Minia- Special Effects Camera-
ture Department man

Supervises the construction and photography of miniature sets and natural process backgrounds used in producing motion pictures for entertainment, instruction, or publicity purposes.

Directs the production of such effects as smoke, rain, or fog. Supervises optical printing, utilizing such effects as fades, wipes, lap dissolves, and montages. Supervises the operations involved in trick motion picture camera work.

May operate camera in taking necessary shots.

Must have had wide experience in special effects work in the motion picture industry.

Suggested Military Assignment:

Group I. 043 Cameraman, Motion Picture
(AAF, Sig C)

285 Cameraman, Animated Motion
Picture (Sig C)

286 Motion Picture Production Tech-
nician (Sig C)

449 Process Background Supervisor
(Sig C)

Group II. 130 Animation Artist (Sig C)

DIVER (5-89.011) 454**Marine Driller****Submarine Worker**

Performs underwater salvage, construction and demolition work such as preparing vessels for raising, constructing wharves, and piers, or demolishing vessels, wharves, and debris.

Inspects and repairs diving suit, puts on suit and helmet with aid of helper and enters water using ladder or platform. Regulates air in suit and maintains contact with surface by lines and phone.

Rigs, drills, cuts, welds, demolishes with explosive chargers, and does pipe and timber work.

Must have a thorough knowledge of tides, currents, water pressure, and safety rules. Must know fundamentals of ship construction.

*Suggested Military Assignment:**Group I.* 454 Diver (CE)*Group II.* 050 Carpenter, General (Any arm or service)

189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

256 Welder, Combination (Any arm or service)

533 Demolition Specialist (AAF, CE)

DIVER'S HELPER (7-89.011) 455

Bellman Life-Lineman

Diver Tender

Assists diver by performing a variety of duties above water.

Assists diver in checking gear and in putting on and taking off suit and helmet. Puts on and tightens diver's helmet. Controls lines while diver is working. Communicates with diver using phone or hand line. Supplies diver with tools and equipment, lowering tools, cutting torches, and material and lines.

Must know diving signals and rigging.

*Suggested Military Assignment:**Group I.* 455 Diver's Helper (CE)*Group II.* 189 Rigger (AAF, CE, Ord Dept, Sig C, TC)

256 Welder, Combination (Any arm or service)

CALKER (5-83.951) 456

Closes seams in the planking of a ship or caisson.

Removes old calking using reaming iron and mallet.

Sets calking in seams, using a calking iron and mallet. Inserts oakum into seam and hammers it in with mallet. Fills seam with hot pitch or uses putty to cover the calking.

Must know the construction of ship's hulls and compartments.

*Suggested Military Assignment:**Group I.* 456 Calker (TC)*Group II.* 202 Carpenter, Ship (CE, TC)

SHOP CLERK (1-18.00) 457

Expediter Shop Timekeeper

Order Clerk Tracer Clerk

Production Clerk

Performs miscellaneous clerical duties in a railway, automotive, or manufacturing shop.

Keeps a record of time and rate of production. Takes orders for materials or products. Makes out shop orders for materials. Keeps inventory

of stock on hand. Calculates processing costs. Makes up pay rolls and pay checks. Routes repair jobs through shop.

*Suggested Military Assignment:**Group I.* 055 Clerk, General (Any arm or service)

242 Toolroom Keeper (AAF, Ord Dept, Sig C)

457 Shop Clerk (Ord Dept)

Group II. 348 Parts Clerk, Automotive (AAF, CE, Ord Dept)

835 Supply Clerk (Any arm or service)

848 Parts Clerk, Armament (AAF, Ord Dept)

DOG TRAINER (0-62.73) 458

Dog Breeder Dog Fancier

Trains young dogs to perform tricks, to hunt, track, or run races.

May train dogs to lead the blind or to be watchdogs.

Must know the care, feeding, and habits of dogs, and should be able to judge their adaptability for specific types of training.

*Suggested Military Assignment:**Group I.* 458 Dog Trainer (AAF, QMC)

SAWMILL MACHINE OPERATOR

(4-31.000) 459

Band Headsaw Operator Head Sawyer

Circular Headsaw Operator

Operates all lumber sawing machinery installed in portable and semiportable sawmills cutting logs into cants or boards.

Manipulates levers to control and coordinate the operations of machinery such as headsaw, gang-edges, cut-off saw, and log carriage; changes broken and dull saw blades when necessary; cleans and lubricates all machinery periodically; may make minor repairs.

May supervise group of workmen, assigning duties and directing work.

*Suggested Military Assignment:**Group I.* 459 Sawmill Machine Operator (CE)*Group II.* 341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

464 Millwright, Sawmill (CE)

FOREMAN, SAWMILL (5-91.411) 460

Supervises and directs a group of skilled and semiskilled workers engaged in operation and

Sec. III

maintenance of sawmill machinery and handling logs and lumber.

Supervises cutting, grading, piling, and loading of lumber. Directs the maintenance of production records. Checks and bills out all lumber from mill. Keeps record of materials, supplies, and personnel.

Must have thorough knowledge of the installation, operation, maintenance, and repair of sawmill machinery and equipment. Must know handling and storage of lumber.

Suggested Military Assignment:

Group I. 356 Foreman, Labor (AAF, CE, QMC, TC)

459 Sawmill Machine Operator (CE)

Group II. 341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

LUMBER GRADER (4-29.510) 461

Lumber Inspector Lumber Stockman
Lumber Puller

Examines and sorts milled or rough lumber according to prescribed standards.

Checks each piece of lumber for such defects as knots, faulty edges, stains, and unsatisfactory machine work. Routes defective pieces for salvage or disposal. Classifies satisfactory pieces according to blemishes, small knots, or off-coloring.

May scale and record board footage. May prepare inventory and stock control reports.

Suggested Military Assignment:

Group I. 462 Forest Products Tallyman (CE)

Group II. 055 Clerk, General (Any arm or service)

329 Lumberjack (CE)

835 Supply Clerk (Any arm or service)

FOREST PRODUCTS TALLYMAN

(1-49.31) 462

Lumber Checker

Records the amount and grades of lumber produced in a sawmill.

Checks lumber content of shipment or storage lots in board feet, linear feet, cubic feet, and cords, computing total amount in each lot of lumber. Prepares formal reports for inventory, stock control, or procurement purposes.

May assist log scalers in estimating usable lumber content of logs.

Must know units of measure as applied to forest products and be able to calculate data rapidly.

Suggested Military Assignment:

Group I. 462 Forest Products Tallyman (CE)

Group II. 055 Clerk, General (Any arm or service)

329 Lumberjack (CE)

835 Supply Clerk (Any arm or service)

LOG SCALER (6-29.010) 463

Log Inspector Lumber Scaler

Determines the volume of timber to ascertain the amount of marketable timber prior to manufacture.

Measures the length and diameter of each log with a scaling stick, tape, or rod. Records measurements in book, marks on end of log with crayon, or calls out measurements to tallyman. Determines amount of marketable timber by estimating and subtracting the amount of unsound timber from the total volume. Computes data for inventory or procurement purposes.

Must know different species of wood and the relative grades in each species.

Suggested Military Assignment:

Group I. 462 Forest Products Tallyman (CE)

Group II. 055 Clerk, General (Any arm or service)

329 Lumberjack (CE)

MILLWRIGHT, SAWMILL (5-78.100) 464

Machine Erector Machine Repairman

Dismantles, moves, installs, and maintains sawmill machinery and equipment.

Constructs sawmill foundations of heavy lumber using carpenter's tools. Moves and installs machinery using dollies, jacks, hoists, slings, blocks, skids, rollers, and trucks. Maintains and repairs various machines and equipment by lubricating, adjusting, or replacing parts. Sharpens saws by filing.

Uses machinist's hand tools and measuring devices.

Suggested Military Assignment:

Group I. 341 Shop Maintenance Mechanic (CE, CWS, Ord Dept, QMC, TC)

464 Millwright, Sawmill (CE)

TIMBER CRUISER (0-68.14) 465

Land Inspector Timber Rider

Estimates the volume and value of marketable timber on a tract of land.

Walks over timber tract and measures sample trees with a scale and special hand measuring device. Marks trees to be cut. Records data and

calculates the total volume from prepared tables or from own judgment. Locates operating and camp sites and estimates time required for operation of tract.

May supervise a small crew of timber cruisers.

Must be able to read maps and must be familiar with logging operations. Must know different species of timber.

Suggested Military Assignment:

Group I. 462 Forest Products Tallyman (CE)

Group II. 329 Lumberjack (CE)

FOREMAN, LOGGING (5-91.401) 466

Boom Master River Boss
Head Buckler Woods Boss
Head Chopper

Supervises and directs such logging operations as cruising, locating, filling, bucking, and transporting logs.

Reads maps to determine the extent of logging possible in a timber tract and establishes loading points. Assigns duties to logging crew, advising on the methods of topping, filling, and bucking logs. Observes and enforces safety measures.

Must understand the operation, care, and maintenance of logging equipment. Should be able to conduct logging in mountain or swamp areas.

Suggested Military Assignment:

Group I. 356 Foreman, Labor (AAF, CE, QMC, TC)

462 Forest Products Tallyman (CE)

466 Foreman, Logging (CE)

Group II. 329 Lumberjack (CE)

729 Pioneer (Cav, CE, Inf, TD)

STEVEDORE FOREMAN (5-95.060) 468

Supervises the loading and unloading of cargo as an independent contractor or as an employee of ship owners.

Supervises tiering, slinging, hoisting, stowing, and bracing of cargo. Reviews loading and unloading schedules and assigns crews to duties. Inspects working conditions and enforces safety regulations incident to stevedoring operations. Supervises the keeping of clerical records of amount and type of cargo, personnel employed, and work schedules.

Must know the proper methods of storing, bracing, and loading of package, bulk, and liquid cargoes.

Must know the proper disposition of cargo in relation to the structure of the ship being loaded.

Suggested Military Assignment:

Group I. 252 Foreman, Warehouse (MD, Ord Dept, QMC, Sig C, TC)

271 Longshoreman (TC)

356 Foreman, Labor (AAF, CE, QMC, TC)

CARGO CHECKER (1-44.25) 470
Freight Clerk Supercargo

Maintains a record of incoming and outgoing shipments of supplies and equipment in connection with loading and unloading ships.

Itemizes number, weight, volume, quantity, and other identification data of cargo on tally sheets. Stands where cargo is tiered on the wharf and checks cargo when draft is prepared for loading, or when draft is unloaded and tiered.

May stand in hold and check cargo for damage or pilferage and prepare reports on extent of damage. May act as agent of ship owners in foreign ports.

Must be able to figure amount of cargo rapidly and accurately and be familiar with all types of cargo.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

470 Cargo Checker (TC)

835 Supply Clerk (Any arm or service)

WINCH OPERATOR (7-73.730) 473
Winchman, Cargo

Operates steam, electric, air, or gasoline-driven winch in loading and unloading ships.

Inspects winch prior to operation, checking levers, cathead, pipe connections, and condition of fall. Manipulates lever running drum forward or in reverse to raise, lower, or turn draft of cargo following the hand signals of the signalman.

May make minor repairs to winch or motor.

Must know all hand signals and safety precautions to be followed in hoisting cargo.

Suggested Military Assignment:

Group I. 473 Winch Operator (TC)

Group II. 063 Crane Operator (AAF, CWS, Ord Dept, QMC, TC)

081 Engineman Operating (AAF, CAC, CE, Sig C, TC, TD)

271 Longshoreman (TC)

MASTER MECHANIC, MARINE (4-75.150) 476

Machinist, Marine Marine Erector
Machinist, Outside

Sec. III

Supervises the shore-based maintenance and repair of marine engines and auxiliary equipment such as boilers, electrical refrigerating equipment, deck machinery, and steam connections in various types of ships.

Inspects the different types of equipment and supervises the disassembly, replacement of worn or broken parts, and the reassembly of repaired equipment. Inspects completed repairs for quality of work. Instructs marine mechanics in the fitting and assembly of machine parts, cutting and fitting gaskets, grinding and lapping valves and joints, cutting threads, and bending and fitting tubes and tubing.

Must have knowledge of different types of marine engines as well as the mechanical equipment aboard ship such as condensers, vacuum pumps, boiler-feed water pumps, circulating pumps, and water gauges.

Suggested Military Assignment:

Group I. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

014 Automotive Mechanic (Second Echelon) (Any arm or service)

477 Mechanic, Marine Engine (CE, TC)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

Group II. 080 Marine Engineer (AAF, CE, TC)

MECHANIC, MARINE ENGINE

(4-75.150)

477

Marine Machinist's Helper

Maintains and repairs all types of marine engines and equipment such as propelling machinery, steam, Diesel, gas, or electric auxiliaries, pumps, anchor handling gear, steering apparatus, and boilers on board ship.

Diagnoses malfunctioning of marine steam, Diesel, or gas engine, pumps, steering apparatus, and boilers, and replaces worn or broken parts with new or improvised parts. Adjusts and tests repaired equipment for proper operation.

Must have knowledge of steam, Diesel, and gas motors. Must be familiar with engines and auxiliary equipment, including condensers, vacuum pumps, boiler-feed water pumps, circulating pumps, and water gauges.

Suggested Military Assignment:

Group I. 013 Diesel Mechanic (AAF, CAC, CE, Ord Dept, Sig C, TC)

014 Automotive Mechanic (Second Echelon) (Any arm or service)

477 Mechanic, Marine Engine (CE, TC)

905 Mechanic, Engine, Wheel Vehicle (Gasoline) (Ord Dept)

909 Mechanic, Engine, Track Vehicle (Ord Dept)

SHIP FITTER (5-17.230) 478

Prepares templates and lay-outs for special forms such as plates and foundations, which cannot be predetermined in the mold loft and which must be made directly at the ship.

Marks rivet holes to be punched or drilled. Assembles plates, bottom frames, side frames, and brackets for bilges and decks, watertight and nonwatertight floors, bulkheads, clips for the vertical keel, longitudinal stringers, and brackets. Regulates and secures all plate units in proper position for bolting and welding.

Suggested Military Assignment:

Group I. 030 Boilermaker (TC)

256 Welder, Combination (Any arm or service)

478 Ship Fitter (CE, TC)

Group II. 061 Coppersmith (TC)

201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)

STILL OPERATOR (4-55.030) 479

Stillman

Topman

Stillman Helper

Operates or directs the operation of one or a battery of stills in which oil is broken down into such products as gasoline, kerosene, lubricating oil, fuel oil, and petroleum coke.

Patrols unit to check operating conditions. Observes and records readings of temperature, pressure, and flow gauges and meters. Regulates temperature, pressure, and flow of oil by adjustment of pipe valves or automatic controls. Tests products for specific gravity and observes color to check processing. Draws samples for laboratory analysis. Performs preventive maintenance such as packing pumps and valves and making minor adjustments.

May mix tetraethyl lead with gasoline to produce anti-knock and high power gasoline.

Must be able to test equipment. Must be able to calculate output and yield. Must be able to make simple laboratory tests for gravity and

color. Must be familiar with fire fighting and safety procedures.

Suggested Military Assignment:

- Group I.* 479 Still Operator (CE)
485 Petroleum Storage Technician (AAF, CE)
486 Assistant Safety Engineer, Petroleum Products (CE)

STUDENT, HIGH SCHOOL, ACADEMIC

(0-X) 480

Has successfully completed at least 2 years of high school study in a course made up of such subjects as history, civics, sociology, languages, English literature, biology, physics, chemistry, algebra, geometry, and trigonometry.

Suggested Military Assignment:

- Group I.* (Assign according to course completed)
055 Clerk, General (Any arm or service)
160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)
411 Chemical Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)

STUDENT, HIGH SCHOOL,

COMMERCIAL (1-X) 481

Has successfully completed at least 2 years of high school study in a course made up of such commercial subjects as typewriting, shorthand, bookkeeping, accounting, business correspondence, and office machine operation.

Suggested Military Assignment:

- Group I.* (Assign according to course completed)
055 Clerk, General (Any arm or service)
213 Stenographer (Any arm or service)
405 Clerk-Typist (Any arm or service)

Group II. (Assign according to course completed)

- 623 Finance Typist-Clerk (AAF, FD)
624 Finance Clerk (FD)
835 Supply Clerk (Any arm or service)

STUDENT, HIGH SCHOOL, VOCATIONAL

(4-X) 482

Student, Technical School Student, Trade School

Has successfully completed 2 years of study in a trade, technical, or high school in any of the following vocational subjects: machine shop, foundry work, sheet metal work, woodworking, carpentry, plumbing, printing, electricity, automotive mechanics, airplane engine mechanics, drafting, radio operation, or radio mechanics.

Suggested Military Assignment:

Group I. (Assign according to course completed)

- 014 Automotive Mechanic (Second Echelon) (Any arm or service)
050 Carpenter, General (Any arm or service)
070 Draftsman (AAF, CE, CWS, FA)
078 Electrician (Any arm or service)
113 Woodworking Machine Operator (CE)
121 Utility Repairman (Any arm or service)
129 Foundryman (CE, Ord Dept, TC)
164 Plumber (AAF, CE, CWS, Ord Dept, QMC, TC)
168 Printer (AAF, CE)
201 Sheet Metal Worker (AAF, CE, CWS, Ord Dept, QMC, TC)
302 Machine Operator (Designated Machine) (CE, Ord Dept)
431 Machinist's Helper (CE, Ord Dept)
550 Airplane Woodworker (AAF)
555 Airplane Sheet Metal Worker (AAF)
648 Radio Repairman (Any arm or service)

STUDENT, HIGH SCHOOL,

AGRICULTURAL (3-X) 483

Has successfully completed 2 years of high school study in a course made up of such subjects as animal husbandry, agronomy, crop specialties, farm mechanics, agricultural chemistry, agricultural physics, and general mathematics.

Suggested Military Assignment:

Group I. (Assign according to course completed)

- 160 Physics Laboratory Assistant (AAF, CE, CWS, Ord Dept, QMC)
235 Teamster (Cav, FA, MD, QMC)
250 Veterinary Technician (MD)

Sec. III

411 Chemical Laboratory Assistant
(AAF, CE, CWS, Ord Dept,
QMC)

563 Horse Artillery Driver (FA)

712 Packer, Animal (Cav, CE, FA,
Inf, Ord Dept, QMC)

Group II. 121 Utility Repairman (Any arm or
service)

ENTOMOLOGY

TECHNICIAN (0-39.65) 484

Entomologist

Studies insects and their relation to crops and
to man.

Specializes in a particular insect or group of
insects, such as boll weevils, mosquitoes, or fruit
flies, and develops methods of control or eradica-
tion by spraying, dusting, quarantine, or other
means. Performs laboratory and field work.
Prepares and publishes reports.

May collect, identify, and classify mosquitoes
and other insects for purposes of medical re-
search.

Should have pursued a formal course in en-
tomology at a college or university or have
equivalent training or experience.

Suggested Military Assignment:

Group I. 484 Entomology Technician (MD)

PETROLEUM STORAGE TECHNICIAN

(5-95.080) 485

Chief Gauger Terminal Supervisor,
Terminal Operator Petroleum Products
Assistant

Supervises the operation and maintenance of
petroleum products storage terminals or tank
farms at ports, beachheads, or bulk stations
where large quantities of petroleum products
are handled.

Checks amount and kind of petroleum prod-
ucts in tanks against stock records, directing
work of gauges. Obtains samples for testing
prior to pumping. Prepares information for
pump station operators and other terminal op-
erators as to time, amount, route, and destination
of products to be pumped. Directs the connect-
ing of available tanks for receiving or distribut-
ing petroleum products. Supervises the cleaning
and maintenance of tanks and terminal equip-
ment.

Must know methods of storing petroleum
products.

Should have knowledge of the operation and
maintenance of petroleum pumping equipment.

Suggested Military Assignment:

Group I. 356 Foreman, Labor (AAF, CE,
QMC, TC)

485 Petroleum Storage Technician
(AAF, CE)

Group II. 479 Still Operator (CE)

SAFETY INSPECTOR (0-18.01) 486

Safety Director Safety Engineer

Supervises safety instruction throughout a
plant or industry.

Investigates accidents and checks operating
procedures for compliance with safety rules and
regulations.

Instructs personnel in safe handling of tools
and products, elimination of fire and accident
hazards, and precautions while on the job.
Checks new machinery to eliminate hazards.

Must be able to recognize all types of hazards
which could result in fires and serious inter-
ruptions to production.

Suggested Military Assignment:

Group I. 486. Safety Inspector (CE, QMC,
PMG)

PETROLEUM PUMPING EQUIPMENT

REPAIRMAN (5-83.641) 487

Pump Serviceman

Makes major repairs on petroleum products
pumping equipment.

Repairs leaks by using saddle and split repair
clamps, tightening couplings, and installing
dresser type coupling leak clamps. Repairs
breaks in pipe by removing old pipe section
and coupling and installing new pipe and
coupling. Repairs engines, pumps, and con-
trollers by tearing down, cleaning, adjusting,
installing new or rebuilt parts, and reassembling
equipment.

May construct new line around break at a
river crossing.

Must have a knowledge of the operation of
gas engines and petroleum pumping equipment.
Should know first aid and be able to give arti-
ficial respiration.

Suggested Military Assignment:

Group I. 013 Diesel Mechanic (AAF, CAC,
CE, Ord Dept, Sig C, TC)

487 Petroleum Pumping Equipment
Repairman (CE)

905 Mechanic, Engine, Wheel Ve-
hicle (Gasoline) (Ord Dept)

GAUGER, PETROLEUM PRODUCTS

(6-55.060) 488

Gauges or measures the amount of petroleum
products in the various types storage tanks and
vessels and prepares gauging reports.

Sec. III

Must have a knowledge of radio techniques.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

MUSIC LIBRARIAN (0-23.50) 495

Musical—Program Builder

Directs and administers a library or part of a library containing collections of musical books, periodicals, recordings, and other musical materials.

Files and indexes recordings, sheet music, original arrangements, and copies of the various parts for the instruments of an orchestra. Determines from historical and regional background and theme of a musical program, the type of music that is appropriate. Suggests musical selections for program, and issues required music to orchestra leader or other musicians. Selects and purchases additions necessary to meet requirements. Advises on selection of musical material for groups or individuals and assists in locating reference material.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

MUSIC ARRANGER (0-24.42) 496

Music Composer

Music Writer

Orchestrator

Transcriber, Music

Plans and develops musical programs.

Arranges or adapts melodies to suit style and abilities of a particular orchestra or band. Writes musical scores for programs broadcast by radio stations, using the melody of the musical number to be rendered as a basis for the arrangement. Copies the parts for the individual instruments from musical scores.

May be a musician.

Suggested Military Assignment:

Group I. 442 Entertainment Specialist (Any arm or service)

RECORDING ENGINEER, RADIO

(0-66.01) 497

Transcription Manager

Operates recording equipment to prepare records of broadcasts, auditions, or rehearsals.

Loads recording machines with blank records. Makes wire connections between microphones, amplifiers, and recording machine. Hardens and

cleans records by wiping with chemically treated cloth.

Suggested Military Assignment:

Group I. 208 Sound Recorder, Motion Picture (Sig C)

407 Sound Mixer, Motion Picture (Sig C)

415 Electrician, Sound Transmission (Sig C)

PROGRAM TRANSMISSION SUPERVISOR, RADIO (1-49.84) 498

Traffic Clerk, Radio

Maintains records of broadcasting schedules and arranges for leasing of wires between stations comprising a network.

Prepares records of time, types, names, dates, and coverage of broadcasts over network. Records on cards such information as name of sponsor, date, and time of broadcast, and date of termination of contract, and inserts cards on traffic boards. May send information concerning requirements for the hook-up of each broadcast to the telephone company, if employed in a network central station.

Suggested Military Assignment:

Group I. 055 Clerk, General (Any arm or service)

442 Entertainment Specialist (Any arm or service)

FARMER (3-06.10) 499

Animal and Livestock Farm Hand

Farmer Fruit Grower

Cotton Farmer Grain Farmer

Crop Specialty Farmer Poultry Farmer

Dairyman Truck Farmer

Raises or assists in raising crops and animals.

Plants, cares for, and harvests such crops as vegetables, hay, grain, and fruits. Raises livestock or poultry.

May operate and maintain farm machinery such as tractors and thrashers.

Suggested Military Assignment:

Group I. 014 Automotive Mechanic (Second Echelon) (Any arm or service)

121 Utility Repairman (Any arm or service)

235 Teamster (Cav, FA, MD, QMC)

735 Full Track Driver (Armd Comd, CAC, CE, FA, TC, TD)

345 Truck Driver, Light (Any arm or service)

LABORER

590

Laborer, Any Industry Except Construction	Laborer, Non-Process Laborer, Process
Laborer, Agriculture	

Performs unskilled labor and service tasks of a routine nature requiring little training or experience, in any activity such as manufacturing, maintenance, or agriculture.

Tasks performed may include loading and

unloading supplies, uncrating equipment, cleaning, and maintenance activities. Uses simple hand tools such as crowbars, wrecking bars, scythes, sickles, and hand trucks.

Must be capable of understanding and carrying out simple directions.

Suggested Military Assignment:

Group I. 590 Duty Soldier III (Any arm or service)

Section IV

Alphabetical Index of Civilian Occupational Specialties

I. USE OF ALPHABETIC INDEX.

a. Instructions governing the recording of a civilian occupational specialty on the W. D., A. G. O. Form No. 20 are contained in paragraphs 3b(4) and 4(d), section I.

b. This alphabetic index contains a detailed listing of occupations to facilitate easy reference to the civilian occupational specialties included in this manual. The titles as listed are not intended to be completely descriptive of a specialty, and it is important, therefore, that reference be made to the content of the job description before a code and title are selected.

c. Included in this index are references to occupational groupings in various industries covering a large variety of skills and knowledge. The procedure for coding individual occupations in these groups will be as follows:

(1) Where possible, the most appropriate

civilian specialty as listed in this manual will be determined and recorded on the W. D., A. G. O. Form No. 20.

(2) Where no specialty code is applicable and the work is of a laboring or unskilled nature, use Laborer, Construction, SSN 188; or Laborer, SSN 590, whichever is appropriate.

(3) Where no suitable SSN exists and the work is not of a laboring nature, SSN 010, Not Elsewhere Classified, may be used. The use of SSN 010 should be restricted only to those cases where the enlisted man or woman possesses a civilian skill not classifiable by this manual. Before assigning SSN 010, the interviewer should carefully re-evaluate the civilian experience of an individual and determine whether an appropriate code is available. The judicious use of SSN 010 will reduce the large number of occupations incorrectly classified by this code.

2. ALPHABETIC INDEX OF CIVILIAN OCCUPATIONAL SPECIALTIES.

	SSN	PAGE		SSN	PAGE
A					
Able Seaman	065	25	Aerial Photographic Laboratory Technician.	154	44
Abrasives Manufacturing Occupations.....	*		AERIAL PHOTOTOPOGRAPHER	004	14
Academic High School Student.....	480	107	AERONAUTICAL ENGINEER	330	82
Accompanist, Music	021	17	Aeronautical Engineering Student.....	331	82
Account Collector	055	23	Agent or Buyer, Purchasing.....	371	89
ACCOUNTANT	268	69	Agent, County (Agricultural).....	499	110
Accountant, Cost	268	69	Agent, Express	211	56
Accountant, Plant	268	69	Agent, Press	274	70
Accountant, Public	268	69	Agent, Railway Station	211	56
Accountant, Tax	268	69	Agricultural Equipment Manufacturing		
Accounting Clerk	350	86	Occupations	*	
Accounting Machine Operator.....	351	86	Agricultural High School Student.....	483	107
Accounts-Payable Bookkeeper	350	86	Agricultural Products Manufacturing Occu-		
Accounts-Receivable Bookkeeper	350	86	pations	*	
Acetylene Burner	343	85	Agriculture Laborer	590	111
Acetylene Welder	257	66	Air Compressor Operator	081	29
ACTOR	284	72	Air Conditioning Mechanic	322	80
Actress	284	72	Air-Drill Operator	339	84
Adaptor, Music	496	110	Air-Hammer Operator	339	84
ADDRESSING-EMBOSSING MACHINE			Air Transportation Occupations.....	*	
OPERATOR	105	34	Airbrake Mechanic, Railway.....	048	22
Addressograph Operator	105	34	AIRCRAFT ASSEMBLER	179	49
Administration Student, Business or Public..	336	83	Aircraft Carburetor Man.....	414	96
Advertising Agent	274	70	Aircraft-Engine Assembler	179	49
Advertising Designer	296	75	Aircraft Mechanic	008	15
Adviser, Vocational	262	67	Airplane Designer	330	82
Aerial Engineer	008	15	Airplane Electrician	295	74
Aerial Photographer	001	14	AIRPLANE ENGINE MECHANIC	006	14
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Airplane Inspector, Repair.....	008	15
AIRPLANE PILOT.....	273	70
AIRPORT CONTROL OPERATOR.....	408	95
Airport Control Tower Operator.....	408	95
Alcohol Distilling Operations.....	*	
Alterations Tailor.....	234	61
Ammunition Engineering Aide.....	170	47
Ammunition Manufacturing Occupations.....	*	
Amusement and Recreation Occupations.....	*	
Analyst, Chemical.....	411	95
Analyst, Economic.....	426	99
Analyst, Job.....	298	75
Analyst, Motor.....	413	96
Analyst, Occupational.....	298	75
Analytical Chemist.....	292	74
Angle-Press Operator.....	087	30
Anglesmith.....	024	17
Animal and Livestock Farmer.....	499	110
Animated Motion Picture Cameraman.....	285	72
ANIMATION ARTIST.....	130	40
Animation Artist, Motion Picture.....	130	40
Animator.....	130	40
Annealer.....	090	30
Apothecary.....	149	43
Arc Welder.....	255	66
ARCHITECT.....	313	78
Architect, Marine.....	313	78
Architectural Engineer.....	313	78
Architectural Engineering Student.....	216	57
Architectural Modeler.....	136	41
Armorer.....	011	15
Arranger, Music.....	496	110
Artificial-Limb Maker.....	366	88
Artillery Engineering Aide.....	170	47
ARTIST.....	296	75
Artist, Animation.....	130	40
Artist, Camera.....	155	44
Artist, Commercial.....	296	75
Artist, Lithographic.....	109	34
Asbestos Manufacturing Occupations.....	*	
Assayer.....	292	74
Assembler, Aircraft.....	179	49
Assembler, Aircraft Engine.....	179	49
Assembler, Coil.....	260	67
Assembler, Electrical Equipment.....	260	67
Assembler, Electrical Machinery and Acces- series.....	260	67
Assembler, Fuel-and-Oil Units (Aircraft).....	179	49
Assembler, Fuselage.....	179	49
Assembler, Hydraulic Control Unit (Aircraft).....	179	49
Assembler, Radio.....	260	67
Assembly Inspector.....	363	88
Assembly Man, Bench Work.....	038	20
Assistant Trainmaster.....	265	68
Asylum Attendant.....	303	76
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Athletic Director.....	283	72
ATHLETIC INSTRUCTOR.....	283	72
Attendant, Filling Station.....	316	79
Attendant, Hospital or Asylum.....	303	76
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Automobile Parts Salesperson.....	348	85
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Bandmaster.....	020	17
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Bench Hand, Jewelry	361	87	Bridgeman, Carpentry	035	19
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Bench Machinist	114	36	Broaching Machine Operator	302	76
Bench Molder	129	39	Broker, Salvage	193	52
Benchman, Shoe Repair	204	54	Bucker, Lumber	329	82
Beverage Production Occupations	*		Budget Clerk	350	86
Bill Collector	055	23	Buffer, Metal	302	7
Biochemist	292	74	Builder, Barrel	270	69
BIOLOGIST	389	92	Builder, Bridge	035	19
BLACKSMITH	024	17	Builder, Tire	240	63
Blacksmith, Tool	026	18	Building Engineer	082	29
BLASTER OR POWDERMAN	027	18	Building Foreman	059	24
Block Setter	034	19	Building Laborer	188	51
BLUEPRINTER OR PHOTOSTAT OPER- ATOR	028	18	Bulldozer Operator	359	67
Boardman	132	40	Bulldozer Operator (Machine Shop)	087	30
Boat Joiner	202	54	BURNER, ACETYLENE	343	85
Boat Operator	314	79	Burner Operator, Acetylene	343	85
Boatbuilder	202	54	Bus Driver (Heavy)	245	64
Boatswain	065	25	Bus Driver (Light)	345	85
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Body Repairman, Automobile	040	21	Business Administration Student	336	83
Boiler Erector	030	19	Butcher	037	20
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Boiler Repairman	030	19	Buyer, Junk	194	53
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Booster-Pump Operator	220	58			
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Bootblack	010	15			
Boring Mill Operator	302	76			
Boss, Barn	210	56			
Boss, River	466	105			
Boss, Road	382	91			
Boss, Woods	466	105			
Botanist	389	92			
Botanist, Pharmaceutical	149	43			
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Box Carpenter	203	54			
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Brace Maker	366	88			
Bracer	364	88			
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Brakeman, Passenger Train	033	19			
BRAKEMAN, RAILWAY	033	19			
Brakeman, Road Freight	033	19			
Brakeman, Yard	033	19			
Bread Man	017	17			
Breeder, Dog	458	103			
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BRICKLAYER	034	19			
Brickmason	034	19			
Bridge Builder	035	19			
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Card Punch Machine Operator.....	272	70	CHEMIST	292	74
Cargador	049	22	Chemist, Analytical	292	74
CARGO CHECKER	470	105	Chemist Assistant	411	95
CARGO GEAR MECHANIC.....	246	64	CHIEF CLERK	052	23
Cargo Gear Storekeeper	246	64	Chief Electrician, Motion Picture.....	132	40
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Carman	046	22	Chief Gauger	485	108
Carpenter, Bench	033	20	Chief Machinist	086	30
Carpenter, Box	203	54	Chief Marine Engineer	080	28
Carpenter, Bridge	035	19	Child Psychologist	289	73
Carpenter, Construction	050	22	Child Welfare Worker	263	68
Carpenter, Finish	050	22	Chimney Builder	034	19
CARPENTER, GENERAL	050	22	Chiropodist	422	98
CARPENTER, HEAVY CONSTRUCTION.....	035	19	CHIROPRACITOR	423	98
Carpenter, Railway Car	046	22	Chisel Grinder	026	18
Carpenter, Rough	050	22	Chopper, Lumber	329	82
CARPENTER, SHIP	202	54	Chorus Girl	386	92
Carpet and Rug Manufacturing Occupations	*		Churn-Drill Operator	259	67
Cart Driver	235	62	Cinematographer	137	41
CARTOGRAPHER	387	92	Circular Headsaw Operator.....	459	103
Cartographer, Photo	004	14	CITY PLANNER	424	98
Cartoonist	296	17	City Planning Engineer.....	424	98
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Case Consultant	263	68	Civil Engineering Student.....	222	59
Case Worker	263	68	Clarinet Player	432	99
Cash Clerk	269	69	CLASSIFICATION SPECIALIST	275	70
CASHIER	269	69	Classifier, Fingerprint	307	77
Cask Maker	270	70	Clay Products Producing Occupations.....	*	
CASTING MACHINE OPERATOR.....	318	79	Clergyman	010	15
Casting Truckee	354	86	Clerk, Automotive Parts	348	86
Cat Driver	244	64	Clerk, Cash	269	69
Cat Skinner	244	64	Clerk, Chief	052	65
Cataloguer	391	93	Clerk, Collection	055	23
Caterpillar Crane Operator	063	24	Clerk, Correspondence	055	23
Caterpillar Driver	244	64	Clerk, Discount-and-Interest-Billing	351	86
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Cement Manufacturing Occupations	*		Clerk, File	355	86
Cement-Mixer Operator	310	78	Clerk, Financial Institution	055	23
Centering Machine Operator.....	302	76	Clerk, Freight	470	105
Central Office Installer, Dial	231	61	Clerk, Freight Rate	379	90
Central Office Installer, Manual.....	232	61	CLERK, GENERAL	055	23
Central Office Operator	309	77	Clerk, Head	052	23
CENTRAL OFFICE REPAIRMAN.....	095	32	Clerk, Hotel	055	23
Chain Store Manager.....	352	86	Clerk, Insurance	055	23
Chainman and Rodman, Survey.....	191	52	Clerk, Inventory	323	81
Charge Man, Powder.....	027	18	Clerk, Inventory Control	374	90
Charger, Battery	215	57	Clerk, Mailing	056	23
Charwoman	590	111	Clerk, Material	323	81
CHAUFFEUR	344	85	Clerk, Merchandise Control	374	90
Check Room Girl.....	010	15	Clerk, Office	055	23
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Checker, Loading	186	51	Clerk, Postal	056	23
Checker, Lumber	462	104	Clerk, Principal	052	23
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Clerk, Stock Control	374	90
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Clerk, Stores-Auditor	323	81
Clerk, Supply	324	81
Clerk, Tabulating	212	56
Clerk, Tool	242	63
Clerk, Tracer	457	103
Clerk, Traffic Rate	379	90
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Clerk, Warehouse	323	81
Clerk, Warehouse Stock	324	81
Clinical Psychologist	289	73
Clock Maker	381	91
Clock and Watch Manufacturing Occupations	*	
Coach, Athletic	283	72
Coal Products Manufacturing Occupations	*	
Cobbler	204	54
Coffee Man	062	24
Coil Assembler	260	67
Collection Clerk	055	23
Combination Welder	256	66
Combustion Engineer	219	58
Comedian	386	92
Commercial Artist	296	75
Commercial Draftsman	070	26
Commercial High School Student	481	107
Commercial Photographer	152	44
Commissary Man	352	86
Commissary Man (Steward)	124	38
Compass Man	228	60
Composer, Music	496	110
Composing Machine Operator (Linotype)	106	34
Composing Machine Operator (Monotype)	317	79
Compositor	168	47
Compressed and Liquefied Gas Manufacturing Occupations	*	
Compression Man	081	29
Compressor Engineer	081	29
Compressor Operator, Air	081	29
Computer, Geodetic	243	64
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Concrete Block Mason	034	19
Concrete Finisher (Laborer)	188	51
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CONCRETE MIXER OPERATOR	310	78
Conductor, Orchestra	020	17
Conductor, Passenger Car	058	23
Conductor, Pullman	058	23
CONDUCTOR, RAILWAY	058	23
Conductor, Road Freight	058	23
Conductor, Street Railway	010	15
Conductor, Yard	058	23
Construction Carpenter	050	22
Construction Engineer	217	57
CONSTRUCTION EQUIPMENT MECHANIC	319	80
Construction Foreman	059	24
Construction Laborer	188	51
CONSTRUCTION MACHINE OPERATOR	359	87
Continuity Writer	491	109

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Control Clerk, Stock	374	90
Control Operator, Airport	408	95
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CONTROL ROOM OPERATOR	492	109
CONTROL SUPERVISOR	493	109
Control Tower Operator, Airport	408	95
Controller	268	69
Conveyor Maintenance Man	319	80
COOK	060	24
Cook, Short Order	062	24
COOK'S HELPER	062	24
COOPER	270	69
COPPERSMITH	061	24
Coremaker	129	39
Corn Products Manufacturing Occupations	*	
Cornet Player	433	100
Corral Man	210	56
Correspondence Clerk	055	23
Correspondent	399	93
Cost Accountant	268	69
Cost Clerk	350	86
Cotton Farmer	499	110
Cotton Ginner	010	15
Cotton Seed Products Manufacturing Occupations	*	
Counselor-at-law	279	71
Counselor, Public Relations	274	70
Counselor, Vocational	262	67
County Agent (Agriculture)	499	110
Court Reporter	213	56
Court Worker	263	68
Cover Repairman, Canvas	044	22
CRANE OPERATOR	063	24
Crane Rigger	189	51
Crane Shovel Operator	064	25
Crate Maker	203	54
Credit Clerk	055	23
Crew Dispatcher Clerk	266	69
CRIMINAL IDENTIFICATION LABORATORY TECHNICIAN	445	101
Crop Specialty Farmer	499	110
Crossing Watchman	010	15
Cruiser, Timber	465	104
Crusher Feeder	372	90
CRUSHER OPERATOR	372	90
Crusher, Ore	372	90
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CRYSTAL GRINDER	150	43
Crystal Grinder, Finish	150	43
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Cut-Off-Saw Operator	113	35
Cutter, Lumber	329	82
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Dairy or Meat Inspector	120	37
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Dairyman	499	110

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Designer, Landscape	313	78	Drill Operator, Air	339	84
Designer, Naval	313	78	Drill Press Operator	302	76
Desk Operator, Switchbank	492	109	Driller, Marine	454	102
Detail Electrical Assembler	260	67	Driller, Well	259	67
Detective	301	76	Driver, Cart	235	62
Developer	154	44	Driver, Electric Truck	354	86
Developer, Motion Picture Film	134	40	Driver, Heavy Truck	245	64
Dictaphone Operator	405	94	Driver, Industrial Truck	354	86
Die Lay-out Man	148	43	Driver, Light Truck	345	85
Die Machine Operator	087	30	Driver, Taxi	344	85
Die Maker	241	65	Driver, Tractor	244	64
Diesel Locomotive Engineer	110	35	Drop-Hammer Operator	025	18
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DIETITIAN	450	102	Drug and Toilet Goods Manufacturing Occu-		
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Dingman	040	21	Druggist	149	43
Director, Athletic	283	72	Drummer, Bass	434	100
Director, Entertainment	442	101	Drummer, Snare	435	100
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Director, Personnel	290	73	Duplicating Machine Operator	128	39
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Director, Stage	442	101	Dynamite Man	027	18
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Editor, Sound, Motion Picture	287	72
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Educational Psychologist	289	73
Efficiency Expert	294	74
Electric Arc Welder	255	66
Electric-Bridge Crane Operator	063	24
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Electric Locomotive Engineer	110	35
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Group Worker	263	68
Grower, Fruit	499	110
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Head Clerk	052	23
Head Sawyer	459	103
Header	271	70
HEAT TREATER	090	30
Heavy Construction Carpenter	035	19
Heavy Forger	025	18
Heavy Timber Framing	364	88
Heavy Truck Driver	245	64
Heliographer	072	27
Helper, Cook's	062	24
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Hospital Attendant	303	76
Hospital Attendant, Veterinary	250	65
HOSPITAL ORDERLY	303	76
Hospital Technician	409	95
Hostess, Restaurant	010	15
Hostler	210	56
Hotel Clerk	055	23
House Carpenter	050	22
Housekeeper	010	15
Housewife	010	15
Hunting and Fishing Guide	429	99
Hydraulic-Control-Unit Assembler (Aircraft)	179	49
Hydraulic Engineer	254	66
Hydraulic Mechanic, Aircraft	008	15
Hydrotherapist	072	27
Hygienist, Dental	376	90

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Identification, Criminal, Laboratory Tech- nician	445	101
Identification Specialist, Firearms	443	101
Ignition Man	012	15
Illustrator	296	75
Impersonator	386	92
Incoming Merchandise Checker	186	51
Industrial Chemical Producing Occupations	*	
Industrial Distributor	352	86
INDUSTRIAL ENGINEER	294	74
Industrial Psychologist	289	73
Inorganic Chemist	292	74
Inspector, Airplane	363	88
Inspector, Boiler	029	19
Inspector, Brake, Railway	005	14
Inspector, Bridge	036	20
Inspector, Carburetor	414	96
Inspector, Food and Dairy	120	37
Inspector, Journal	005	14
Inspector, Land	465	104
Inspector, Log	463	104
Inspector, Lumber	461	104
Inspector, Machine Shop	363	88
INSPECTOR, MATERIALS	363	88
Inspector, Meat or Dairy	120	37
Inspector, Motor	413	96
Inspector, Optical Goods	363	88
Inspector, Railroad Car	005	14
Inspector, Receiving	186	51
Inspector, Salvage	193	52
Inspector, Tire	240	63
Installer, Central Office, Dial	231	61
Installer, Central Office, Manual	232	61
Installer, Power Plant	385	91
INSTALLER-REPAIRMAN, TELEPHONE AND TELEGRAPH	097	32
Installer, Station	384	91
Installer, Switchboard, Dial, Telephone and Telegraph	231	61
Installer, Switchboard, Manual, Telephone and Telegraph	232	61
Installer, Telegraph, Toll	384	91
Installer, Telegraph Repeater	187	51
Installer, Telephone	097	32
Installer, Telephone, Toll	384	91

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INSTALLER, TOLL TELEPHONE AND TELEGRAPH	384	91
Instructor	327	82
Instructor, Athletic	283	72
Instructor, Flying	273	70
Instructor, Sports	283	72
Instrument Maker	098	32
Instrument Man, Surveying	228	60
INSTRUMENT REPAIRMAN, ELECTRIC	338	83
INSTRUMENT REPAIRMAN, NON-ELECTRIC	098	32
Instrumental Musician	021	17
Insulation and Asbestos Workers	*	
Insurance Clerk	055	23
Insurance Salesman	321	80
Interior Painter	144	42
INTERPRETER	320	80
Interviewer, Employment	275	70
Inventory Clerk	323	81
Inventory Control Clerk	374	90
INVESTIGATOR	301	76
Iron Erector	100	33
Iron and Steel Manufacturing Occupations	*	
Ironworker	100	33

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JACKHAMMER OPERATOR	339	84
JEWELER	361	87
Jig Maker	241	63
JOB ANALYST	298	75
JOB PRESSMAN	169	47
Joiner, Boat	202	54
Journal Inspector	005	14
Journalism, Student	394	93
Judge	279	71
Jumper, Parachute	328	82
Junkman	194	53
Juvenile Court Worker	263	68

K

KEY PUNCH MACHINE OPERATOR	272	70
Keyseating Machine Operator	302	76
Kitchen Helper	062	24
Kitchen Manager	124	38
Kitchen Steward	124	38
Knit Goods Manufacturing Occupations	*	
Knock Engine Tester	160	45

L

Labor Foreman	356	87
Laboratory Assistant, Chemical	411	95
Laboratory Assistant, Physics	160	45
Laboratory Contact Man	134	40
Laboratory Supervisor, Motion Picture	134	40
Laboratory Technician, Criminal Identification	445	101
Laboratory Technician, Dental	067	25
Laboratory Technician, Medical	409	95
LABORATORY TECHNICIAN, MOTION PICTURE	134	40
Laboratory Technician, Photographic	154	44

LABORATORY TECHNICIAN, V-MAIL OR MICROFILM	016	16
LABORER	590	111
Laborer, Agriculture	590	111
Laborer, Any Industry Except Construction	590	111
Laborer, Bridge	188	51
Laborer, Building	188	51
LABORER, CONSTRUCTION	188	51
Laborer, Highway	188	51
Laborer, Non-Process	590	111
Laborer, Process	590	111
Laborer, Railway	199	54
Laborer, Sewer and Waterworks	188	51
Laborer, Wrecking	188	51
Land Inspector	465	104
Landing Gear Assembler	179	49
Landscape Designer	313	78
Lathe Operator, Engine or Turret	302	76
Launchman	314	79
Laundry Foreman	102	33
LAUNDRY MACHINE OPERATOR	103	33
LAUNDRY MAINTENANCE MECHANIC	104	34
LAWYER	279	71
Lay-out Boilermaker	030	19
Leather Manufacturing Occupations	*	
Lens Grinder	365	88
Lens Polisher	365	88
Letterer	145	43
Level Man	228	60
Leverman, Dredge	116	36
LIBRARIAN	391	92
Librarian Assistant	391	92
Librarian, Music	495	110
Life-Lineman	455	103
Light Truck Driver	345	85
Lighting Expert	218	58
Line Rider	489	109
Line Walker	489	109
Lineman, High Voltage	182	50
LINEMAN, POWER	165	46
LINEMAN, TELEPHONE AND TELEGRAPH	238	62
LINOTYPE OPERATOR	106	34
Lithographer, General	107	34
Lithographic Artist	109	34
Lithographic Draftsman	109	34
LITHOGRAPHIC ENGRAVER	109	34
LITHOGRAPHIC PRESSMAN	167	47
Loading Checker	186	51
LOCKSMITH	362	87
Locomotive Crane Operator	063	24
LOCOMOTIVE ENGINEER	110	35
LOCOMOTIVE FIREMAN	111	35
LOCOMOTIVE MECHANIC	112	35
Locomotive Oiler	140	42
Locomotive Repairman, Electric	135	41
Loftman, Pile Driving	364	88
Log Inspector	463	104
LOG SCALER	463	104
Logging Foreman	466	105
LONGSHOREMAN	271	70
Loom Fixer	010	15
Lubricator (Locomotive)	140	42
Lumber Checker	462	104
LUMBER GRADER	461	104
Lumber Inspector	461	104

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Lumber Puller	461	104
Lumber Scaler	463	104
Lumber Stockman	461	104
LUMBERJACK	329	82

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Machine Erector	127	39
Machine Erector, Sawmill	464	104
Machine Molder	129	39
Machine Mover	189	51
Machine (Office) Serviceman	282	71
Machine Operator, Accounting	351	86
Machine Operator, Addressing-Embossing	105	34
Machine Operator, Bookkeeping	351	86
Machine Operator, Casting	318	79
Machine Operator, Composing (Linotype)	106	34
Machine Operator, Composing (Monotype)	317	79
Machine Operator, Construction	359	87

MACHINE OPERATOR (DESIGNATED

MACHINE)	302	76
Machine Operator, Duplicating	128	39
Machine Operator, Earth-Boring	353	86
Machine Operator, Key Punch	272	70
Machine Operator, Laundry	103	33
Machine Operator, Posting	351	86
Machine Operator, Sawmill	459	103
Machine Operator, Sewing	200	54
Machine Operator, Tabulating	400	93
Machine Operator, Tufting	200	54
Machine Operator, Woodworking	113	35
Machine Plater	125	38
Machine Repairman, Mill	127	39
Machine Repairman, Sawmill	464	104
Machine Repairman, Tabulating	425	98
Machine Serviceman, Statistical	425	98
Machine Shop Foreman	086	30
Machine Shop Inspector	363	88
Machine Welder	334	83
MACHINIST	114	36
Machinist, Automobile	412	96
Machinist, Bench	114	36
Machinist, Camera	042	21
Machinist, Chief	086	30
Machinist, Floor	114	36
Machinist, Maintenance (Automobile)	412	96
Machinist, Maintenance (Shop)	341	84
Machinist, Marine	476	105
Machinist, Outside	476	105
Machinist, Repairman	412	96
Machinist's Apprentice	431	99
MACHINIST'S HELPER	431	99
Machinist's Helper, Marine	477	106
Magnaflux Inspector	363	88
Maid	010	15
Mail Carrier	056	23
Mail Clerk	056	23
Mail Sorter	056	23
Mail Weigher	056	23
Maintenance Carpenter	050	22
Maintenance Engineer	497	110
Maintenance Machinist (Automobile)	412	96
Maintenance Machinist (Shop)	341	84
Maintenance Man	121	37
Maintenance Man, Automatic Telephone System	115	36

Maintenance Man, Conveyor	319	80
Maintenance Man, Highway	315	79
Maintenance Man, Sound Recording Equipment	207	55
Maintenance Mechanic, Laundry	104	34
Maintenance Mechanic, Mill	127	39
Maintenance Mechanic, Sawmill	464	104
Maintenance Mechanic, Shop	341	84
Maintenance Painter	144	42
Maintenance Technician, Medical Equipment	229	60
Maker, Artificial-Limb	366	88
Manager, Chain Store	352	86
Manager, Employment	275	70
Manager, Factory	369	89
Manager, Kitchen	124	38
Manager, Office	052	23
Manager, Personnel	290	73
MANAGER, PRODUCTION	369	89
Manager, Store	352	86
Manager, Transcription	497	110
Manicurist	010	15
Manual Equipment Repairman	095	32
Manufacturing Foreman	356	87
Map Maker	387	92
Marine Architect	313	78
Marine Driller	454	102
Marine Engine Mechanic	477	106
MARINE ENGINEER	080	28
Marine Erector	476	105
MARINE FIREMAN	117	37
Marine Machinist	476	105
Marine Machinist's Helper	477	106
Marine Master Mechanic	476	105
MARINE OILER	141	42
Marshal, Fire	383	91
Mason, Stone	214	57
Masseur	072	27
Master, Boom	466	105
Master of Ceremonies	442	101
MASTER MECHANIC	342	84
MASTER MECHANIC, MARINE	476	105
MASTER, SHIP	118	37
MATE	119	37
Material Checker	323	81
Material Clerk	323	81
MATHEMATICIAN	312	78
MEAT CUTTER	037	20
MEAT OR DAIRY INSPECTOR	120	37
Mechanic, Airplane Engine	006	14
Mechanic, Airplane and Engine	008	15
Mechanic, Automobile	014	16
Mechanic, Boiler-Shop	030	19
Mechanic, Cargo Gear	246	64
Mechanic, Construction Equipment	319	80
Mechanic, Dental	067	25
Mechanic, Diesel	013	16
Mechanic, Hangar	008	15
Mechanic, Laundry Maintenance	104	34
Mechanic, Locomotive	112	35
Mechanic, Maintenance	127	39
MECHANIC, MARINE ENGINE	477	106
Mechanic, Master	342	84
Mechanic, Master, Marine	476	105
Mechanic, Motorcycle	138	41
Mechanic, Orthopedic	366	88

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Mechanic, Radio	174	48	Motion Picture Laboratory Technician	134	40
Mechanic, Railway Signal	181	50	Motion Picture Projectionist	137	41
Mechanic, Refrigeration	322	80	Motion Picture Sound Editor	287	72
Mechanic, Sawmill Maintenance	464	104	Motion Picture Sound Mixer	407	94
Mechanic, Shop Maintenance	341	84	Motion Picture Sound Recorder	208	55
Mechanic, Teletype	239	62	Motor Analyst	413	96
Mechanic, Tractor	319	80	Motor (Electric) Repairman	304	77
Mechanical Draftsman	071	26	MOTOR INSPECTOR	413	96
MECHANICAL ENGINEER	219	58	Motor Test Man	413	96
Mechanical Engineering Student	224	59	Motor Vehicle Dispatcher	410	95
Mechanic's Helper, Locomotive	140	42	Motorboat Operator	314	79
Mechanotherapy	072	27	MOTORCYCLE MECHANIC	138	41
MEDICAL EQUIPMENT MAINTENANCE			Motorcycle Repairman	138	41
TECHNICIAN	229	60	MOTORCYCLIST	378	90
Medical Laboratory Technician	409	95	Motorman, Street, Subway, and Elevated		
Medical Secretary	213	57	Railway	010	15
Medical Social Worker	263	68	MOUNTAINEER	419	97
Medical Student	122	33	Mule Hand	311	78
Medical Student, Veterinary	249	65	Multigraph or Multilith Operator	128	39
MEDICAL TECHNICIAN	409	95	MULTILITH OR MULTIGRAPH OPERA-		
Merchandise Checker	186	51	TOR	128	39
Merchandise Control Clerk	374	90	Multiplex-Machine Operator	237	62
Messenger	055	23	MUSIC ARRANGER	496	110
Metal Man	040	21	Music Composer	496	110
Metal Plater	125	38	Music Director	020	17
Metal Products Fabrication Occupations	*		MUSIC LIBRARIAN	495	110
Metal Sawing Machine Operator	302	76	Music Writer	496	110
METALLURGIST	305	77	Musical Instrument Manufacturing Occupa-		
METEOROLOGIST	126	38	tions	*	
Meter Reader	010	15	Musical-Program Builder	495	110
Meter Repairman, Electrical	338	83	MUSICIAN, INSTRUMENTAL	021	17
Meter Repairman, Non-Electrical	098	32	Mycologist	389	92
MICROFILM EQUIPMENT REPAIRMAN					
Microfilm Laboratory Technician	016	16			
Milliner	010	15			
Milling Machine Operator	302	76			
Millman	113	35			
MILLWRIGHT	127	39			
MILLWRIGHT, SAWMILL	464	104			
Mine Timberman	364	88			
MINER	325	81			
Mineralogist	099	33			
Miniature Department Cameraman	453	102			
MINING ENGINEER	326	81			
Mining Engineering Student	332	83			
Mining Foreman	356	87			
Mining Machine Operator	325	81			
Mixer Operator, Concrete, Cement, Mortar					
or Plaster	310	78			
MODEL MAKER	136	41			
Modeler, Architectural	136	41			
Modern Language Student	398	93			
Molder	129	39			
Molder, Tire	240	63			
MONOTYPE OPERATOR	317	79			
Mortar Mixer Operator	310	78			
Mortician	079	28			
Motion Picture Animation Artist	130	40			
Motion Picture Cameraman	043	21			
Motion Picture Cameraman, Animated	285	72			
Motion Picture Cartoonist	130	40			
Motion Picture Cutter	131	40			
Motion Picture Director	286	72			
Motion Picture Electrician	132	40			
Motion Picture Film Editor	131	40			
Motion Picture Laboratory Supervisor	134	40			

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Narrator	386	92
Naval Resigner	313	78
News Gatherer	399	93
News Photographer	402	94
Newsboy	010	15
Nickel Plater	125	42
Nitroglycerine Packer	139	42
Non-Electrical Instrument Repairman	098	32
Non-Process Laborer	590	111
NORTH WOODSMAN	420	97
NOT ELSEWHERE CLASSIFIED	010	15
Nurse, Industrial	123	38
Nurse, Operating Room	225	59
NURSE, PRACTICAL	123	38
NURSE, REGISTERED	225	59
Nurse, Trained	225	59
Nursemaid	010	15
Nursery Operators and Flower Growers	*	
Nutrition Expert	450	102

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Oboe Player	175	48
Occupational Analyst	298	75
Office Boy	055	23
Office Clerk	055	23
Office Girl	055	23
OFFICE MACHINE SERVICEMAN	282	71
Office Manager	052	23
Oil Man	316	79
Oil Pumpman	220	58

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Pilot, Airplane	273	70
Pilot, Ship	118	37
PIPE FITTER	162	46
Pipe-Line Patrolman	489	109
Placement Interviewer	275	70
Plain-Clothes Man	301	76
Plane-Table Man	228	60
Planer Operator (Metal)	302	76
Planer Operator (Wood)	113	35
Plant Accountant	268	69
Plant Changer	127	39
Plant Superintendent	369	89
Plant Wireman	089	30
Plaster-Mixer Operator	310	78
Plasterer	188	51
Plastic Products Manufacturing Occupations.	*	
Plate Maker	107	34
Plater	125	38
Platform Checker	186	51
PLAYWRIGHT	288	73
Plug-Drill Operator	339	84
PLUMBER	164	46
Pneumatic Riveter	190	52
Pneumatic Tool Repairman	319	80
PODIATRIST	422	98
Pole Assembler, Electrical Equipment	260	67
Police Radio Dispatcher	291	73
POLICEMAN	291	73
Polisher, Lens	365	88
Polisher, Metal	302	76
Port Captain	118	37
Port Engineer	080	28
Porter	590	111
Porter, Pullman	010	15
Portrait Photographer	155	44
Post Hole Digger	353	86
POSTAL CLERK	056	23
Posting Clerk	350	86
Posting Machine Operator	351	86
Pottery and Porcelain Ware Manufacturing Occupations	*	
Poultry Farmer	499	110
Pourer, Metal	129	39
Powder Packer	139	42
Powderman or Blaster	027	18
Power-Brake-Unit Repairman	008	15
Power Groundman	299	25
Power Lineman	164	46
Power-Plant Attendant	077	28
POWER PLANT INSTALLER	385	91
POWER SHOVEL OPERATOR	064	25
Power Station Operator	077	28
Power Trucker	354	86
POWERHOUSE ENGINEER	077	28
POWERMAN	166	47
Powerman, Power House	077	28
Practical Nurse	123	38
Press Agent	274	70
Press Operator	168	47
Press Operator, Punch or Drill	302	76
Presser, Clothing	010	15
Pressman, Job	169	47
Pressman, Lithographic	167	23
Principal Clerk	052	82
Principal, School	327	47
PRINTER	168	47

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Printer, Motion Picture Film	134	40
Printer, Photographic	154	44
Printer, Process	107	34
Printing Press Operator, Job Press	169	47
Printing and Publishing Clerk	055	23
PROCESS BACKGROUND SUPERVISOR	449	101
Process Laborer	590	111
Process Printer	107	34
Producer	442	101
Production Clerk	457	103
PRODUCTION MAN, RADIO	494	109
Production Manager	369	89
Professor	327	82
Program Director, Radio	442	101
PROGRAM TRANSMISSION SUPERVISOR, RADIO	498	110
Program Writer	491	109
PROJECTIONIST, MOTION PICTURE	137	41
Projector Repairman, Sound	206	55
Promotion Man	274	70
Promotion Man, Sales	274	70
Proof Checker	370	89
PROOFREADER	370	89
Propeller Mechanic	006	14
Psychiatric Case Worker	263	67
Psychological Assistant	289	73
Psychologist	289	73
Psychologist, Child	289	73
Psychologist, Clinical	289	73
Psychologist, Educational	289	73
Psychologist, Industrial	289	73
Psychologist, Personnel	289	73
Psychology Student	347	85
Psychometrician	289	73
Public Accountant	268	69
Public Administration Student	336	83
Public Official	010	15
Public Relations Counselor	274	70
Public Relations Man	274	70
Publicity Man	274	70
Puller, Lumber	461	104
Pulling Clerk	355	86
Pullman Conductor	058	23
Pullman Porter	010	15
Pulp and Paper Manufacturing Occupations.	*	
PUMP OPERATOR	220	58
Pump Repairman	487	108
Pump Serviceman	487	108
Pump Station Operator	220	58
Pumping Equipment Repairman, Petroleum	487	108
Pumpman (Filling Station)	316	79
Punch (Key) Machine Operator	272	70
Punch Press Operator	302	76
PURCHASING AGENT	371	89

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QUARRYMAN	171	48
Quartermaster, Ship	065	25

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Radiator Man, Automobile	172	48
Radio Assembler	260	67
Radio Dipatcher, Police	291	73

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RADIO ENGINEER	178	49	Repairman, Electric Motor	304	77
Radio Engineering Aide	170	47	Repairman, Electrical Instrument	338	83
Radio Mechanic	174	48	Repairman, Engine	112	35
RADIO OPERATOR	177	49	Repairman, Furniture	248	65
Radio Production Man	494	109	Repairman, Generator	012	15
Radio Program Director	442	101	Repairman, Gun	011	15
Radio Recording Engineer	497	110	Repairman, Harness	192	52
RADIO REPAIRMAN	174	48	Repairman-Installer, Telephone and Tele-		
Radio Serviceman	174	48	graph	097	32
Radio Technician, Engineering	178	49	Repairman, Microfilm Equipment	158	45
Radio Technician, Repair	174	48	Repairman, Motorcycle	138	41
Radio Traffic Clerk	498	110	Repairman, Non-Electrical Instruments	098	32
Radiographer	264	68	Repairman, Parachute	147	43
Railroad Car Inspector	005	14	Repairman, Petroleum Pumping Equipment	487	108
Railway Airbrake Mechanic	048	22	Repairman, Pneumatic Tool	319	80
Railway Brake Inspector	005	14	Repairman, Radio	174	48
Railway Brakeman	033	19	Repairman, Sawmill Machine	464	104
Railway Car Carpenter	046	22	Repairman, Shoe	204	54
Railway Car Mechanic	048	22	Repairman, Sound Projector	206	55
Railway Conductor	058	23	Repairman, Starter	012	15
Railway Dispatcher	069	26	Repairman, Storage Battery	215	57
Railway Express Agent	211	56	Repairman, Tabulating Machine	425	98
Railway Freight Agent	211	56	Repairman, Tire	240	63
Railway Laborer	199	54	Repairman, Utility	121	37
Railway Mail Clerk	056	23	REPEATERSMAN, TELEPHONE	187	51
Railway Section Foreman	198	53	Report Clerk	212	56
Railway Section Hand	199	54	REPORTER	399	93
RAILWAY SHOP DISPATCHER	183	50	Reporter, Court	213	57
Railway Shop Engineer	205	55	Reporter, Law	213	57
Railway Signal Mechanic	181	50	Research Assistant, Physics	160	43
RAILWAY SIGNAL OPERATOR	185	50	Restaurant Manager (not Steward)	010	15
Railway Station Agent	211	56	Retouching Artist, Photographic	157	43
Railway Switchman	233	61	Retreader	240	63
Railway Ticket Agent	211	56	Rider, Line	489	109
Railway Timekeeper	266	69	Rider, Timber	465	105
Railway Towerman	185	50	RIGGER	189	51
Railway Traffic Man	047	22	Rigger, Crane	189	51
Range Examiner	451	102	Rigger, Parachute	340	84
Ranger, Forest	451	102	River Boss	466	105
Rate Clerk, Traffic	379	90	River and Harbor Foreman	059	24
Rayon and Allied Products Producing Occu-			RIVETER, PNEUMATIC	190	52
pations	*		Road Boss	382	91
Reader	386	92	Road Freight Brakeman	033	19
Reader, Galley	370	89	Road Freight Conductor	058	23
Real Estate Salesman	321	80	Road Grader Operator	359	87
Reaming Machine Operator	114	36	Road Overseer	382	91
Rebuilder, Tire	240	63	Road-Roller Operator	359	87
Receiving Inspector	186	51	Rock Crusher Operator	372	89
RECEIVING OR SHIPPING CHECKER	186	51	Rock Driller	339	84
Record Clerk, Stock	323	81	Rock Splitter	171	48
Recordak Operator	016	16	Rockets Engineering Aide	170	47
Recorder, Sound, Motion Picture	208	55	Rockman	171	48
RECORDING ENGINEER, RADIO	497	110	RODMAN AND CHAINMAN, SURVEYING	191	52
Recording Equipment Maintenance Man,			Roller, Metal	302	76
Sound	207	55	Roller, Road, Operator	359	87
Refrigeration Engineer	219	58	Rotary-Snow-Plow Operator	315	79
REFRIGERATION MECHANIC	322	80	Roto Photographer	153	44
Registered Nurse	225	59	Rotogravure Retoucher	157	45
Repair Shop Foreman, Automotive	337	83	Rough Carpenter	050	22
Repairman, Automobile Body	040	21	Roundhouseman	112	35
Repairman, Boiler	030	19	Routeman	345	85
Repairman, Camera	042	21	Router Operator	113	35
Repairman, Canvas Cover	044	22	Routine Tester	411	95
Repairman, Central Office	095	32	Rubber Goods Manufacturing Occupations	*	
Repairman, Dial Equipment	115	36	Run-Boat Operator	314	79
Repairman, Electric Locomotive	135	41			

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SADDLE AND HARNESS MAKER.....	192	32	Ship Carpenter	202	54
Saddler	192	52	SHIP FITTER	478	106
Safety Director	486	108	Ship Master	118	37
Safety Engineer	486	108	Shipper	195	53
SAFETY INSPECTOR	486	108	SHIPPING CLERK	195	53
Salad Man	062	24	Shipping or Receiving Checker.....	186	51
SALES CLERK	373	90	Shipwright	202	54
Sales Promotion Man	274	70	SHOE REPAIRMAN	204	54
SALESMAN	321	80	Shoemaker	204	54
Salesman, Automotive Parts.....	348	85	Shoer	094	31
Salesman, Insurance	321	80	SHOP CLERK	457	103
Salesperson	373	90	Shop Dispatcher, Railway.....	183	50
Salesperson, Automobile Parts.....	348	85	SHOP ENGINEER, RAILWAY.....	205	65
Salesperson, Meats	037	20	Shop Foreman, Automotive Repair.....	337	83
Salvage Broker, Buyer, or Dealer.....	193	52	SHOP MAINTENANCE MECHANIC.....	341	84
Salvage Engineer	193	52	Shop Timekeeper	457	103
SALVAGE INSPECTOR	193	52	Shopper	010	15
SALVAGE MAN	194	52	Short Order Cook.....	062	24
Sandwich Man	062	24	Shovelman	064	25
SANITARY TECHNICIAN	196	53	Showman	386	92
Sawmill Foreman	460	103	Sign Painter	145	42
Sawmill Machine Erector.....	464	104	SIGNAL MECHANIC, RAILWAY.....	181	50
SAWMILL MACHINE OPERATOR.....	459	103	Signal Operator, Railway	185	50
Sawmill Machine Repairman.....	464	104	Silversmith	361	87
Sawmill Maintenance Mechanic.....	464	104	Silviculturist	451	102
Sawmill Millwright	464	104	SKIER	418	97
Sawyer, Head	459	103	Skimmer-Scoop Operator	064	25
Saxophone Player	439	100	Skin Man	179	49
Scaler, Log	463	104	Skip Operator	360	87
Scaler, Lumber	463	104	Slaughtering and Meat Packing Occupations.....	*	
Scavenger	194	53	Sludge Filterman	083	29
Scientific Helper	160	45	Small Arms Engineering Aide.....	170	47
Scraper Operator	359	87	SMALL CRAFT OPERATOR.....	314	79
Screening-Plant Operator	372	90	Smelter	129	39
Screw Machine Operator.....	302	76	Snare Drummer	435	100
SCRIPT WRITER	491	109	Snow-Plow Operator	315	79
Sculptor	296	75	Soap Manufacturing Occupations.....	*	
SEAMAN	065	25	Social Investigator	263	68
Seaman, Able	065	25	Social Service Worker	263	68
Seaman, Ordinary	065	25	SOCIAL WORKER	263	68
Seamstress	234	61	Sociology Student	395	93
Second Mate	119	37	Soils Technician	160	45
Secretary	213	57	Solicitor	321	80
SECTION FOREMAN, RAILWAY.....	198	53	Sorter	055	23
SECTION HAND, RAILWAY.....	199	54	Sorter, Mail	056	23
Servant, Miscellaneous	010	15	Sorting Machine Operator.....	400	93
Service Mechanic, Airplane Engine.....	006	14	Sound Cutter	287	72
Serviceman, Automobile	316	79	SOUND EDITOR, MOTION PICTURE.....	287	72
Serviceman, Office Machine.....	282	71	Sound-Effects Man	494	109
Serviceman, Pump	487	108	SOUND MIXER, MOTION PICTURE.....	407	95
Serviceman, Radio	174	48	SOUND PROJECTOR REPAIRMAN	206	55
Serviceman, Statistical Machine.....	425	98	SOUND RECORDER, MOTION PICTURE.....	208	55
Setter, Stone	361	87	SOUND RECORDING EQUIPMENT MAIN- TENANCE MAN	207	55
Setter, Timber	364	88	Sound Transmission Electrician.....	415	96
Settlement Worker	263	68	Special Effects Cameraman.....	453	102
Sewer and Waterworks Foreman.....	059	24	SPECIAL EFFECTS SUPERVISOR.....	453	102
Sewer and Waterworks Laborer.....	188	51	Special-Events Man	494	109
SEWING MACHINE OPERATOR.....	200	54	Special Services Worker.....	263	68
Shaft Operator	360	87	Sports Instructor	283	72
Shaper Operator	302	76	Spot Welder	334	83
Sheet-Metal Lay-Out Man	201	54	Spudder	259	67
SHEET METAL WORKER.....	201	54	Stable Boss	210	56
Sheriff	291	73	STABLEMAN	311	78
Ship and Boat Building and Repair Occupa- tions			Stage Director	442	101
			Stage Director, Motion Picture.....	286	72

	SSN	PAGE		SSN	PAGE
Stakeman	191	52	STUDENT, GEOGRAPHY	448	101
Stamper, Metal	302	76	STUDENT, GEOLOGY	393	93
Starter Repairman	012	15	STUDENT, HIGH SCHOOL, ACADEMIC..	480	107
STATION AGENT, RAILWAY	211	56	STUDENT, HIGH SCHOOL, AGRICUL-		
Station Engineer, Radio.....	178	49	TURAL	483	107
Station Installer, Telephone and Telegraph..	097	32	STUDENT, HIGH SCHOOL, COMMER-		
Station-Installer, Toll	384	91	CIAL	481	107
Station Operator, Submarine Cable.....	209	56	STUDENT, HIGH SCHOOL, VOCATIONAL	482	107
Station Repairman, Telephone and Telegraph	097	32	STUDENT, JOURNALISM	394	93
Station Technician, Submarine Cable.....	197	53	STUDENT, MECHANICAL ENGINEER-		
STATIONARY ENGINEER	082	29	ING	224	59
STATIONARY FIREMAN	084	29	STUDENT, MEDICINE	122	38
STATISTICAL CLERK	212	56	STUDENT, MINING ENGINEERING	332	83
Statistical Machine Serviceman.....	425	98	STUDENT MODERN LANGUAGE	398	93
Statistician	312	78	STUDENT, PHARMACY	375	90
STEAM FITTER	163	46	STUDENT, PSYCHOLOGY	347	85
Steam Locomotive Engineer.....	110	35	STUDENT, SOCIOLOGY	395	93
Steamship Captain	118	37	Student, Technical School	482	107
Steel Worker, Structural.....	100	33	Student, Trade School	482	107
Stencil Cutter	405	94	STUDENT, VETERINARY MEDICINE ...	249	65
STENOGRAPHER	213	57	Studio Engineer	493	109
Stenotype Operator	213	37	SUBMARINE CABLE STATION OPERA-		
Step-by-Step Dial Equipment Repairman....	115	36	TOR	209	56
Stereotyper	168	47	SUBMARINE CABLE STATION TECHNI-		
Stevodore	271	70	CIAN	197	53
STEVEDORE FOREMAN	468	105	Submarine Worker	454	102
STEWARD	124	38	SUBSTATION ELECTRICIAN	258	66
Still Cameraman	152	44	SUBSTATION OPERATOR	184	50
STILL OPERATOR	479	106	Supercargo	470	105
Stillman	479	106	Superintendent, Labor	356	87
Stillman Helper	479	106	Superintendent, Plant	369	89
Stitcher	200	54	Supervisor, Control	493	109
STOCK CLERK	324	81	Supervisor, Petroleum Products Terminal...	485	108
STOCK CONTROL CLERK	374	90	Supervisor, Process Background.....	449	101
Stock Order Lister	374	90	Supervisor, Radio Program Transmission...	498	110
STOCK RECORD CLERK	323	81	Supervisor, Special Effects	453	102
Stock Storekeeper	324	81	Supplies Packer	049	22
Stockman, Lumber	461	104	Supply Clerk	324	81
Stockroom Keeper	324	81	Surgeon	277	71
Stone Crusher	372	90	Surgical Technician, Veterinary.....	250	65
Stone Engraver	109	34	SURVEY AND INSTRUMENT MAN.....	228	60
Stone Photographer	107	34	Survey Rodman and Chainman.....	191	52
Stone Setter	361	87	Surveying Instrument Man	228	60
Stonecutter	214	57	SURVEYOR	227	59
STONEMASON	214	57	Surveyor, Assistant	191	52
STORAGE BATTERY ELECTRICIAN.....	215	57	SURVEYOR, TOPOGRAPHIC	230	60
Storage Battery Repairman.....	215	57	Switchbank Desk Operator.....	492	109
STORE MANAGER	352	86	SWITCHBOARD INSTALLER, TELE-		
Storekeeper, Cargo Gear.....	246	64	PHONE AND TELEGRAPH, DIAL.....	231	61
Storekeeper, Stock	324	81	SWITCHBOARD INSTALLER, TELE-		
Stores-Auditor Clerk	323	81	PHONE AND TELEGRAPH, MANUAL...	232	61
Stove and Furnace Manufacturing Occupa-			Switchboard Operator	309	77
tions			Switchboard Operator, Generator.....	092	31
Structural Draftsman	074	27	Switcher, Gate	488	108
Structural Engineer	219	58	SWITCHMAN, RAILWAY	233	61
STRUCTURAL STEEL WORKER	100	33			
STUDENT, AERONAUTICAL ENGINEER-					
ING	331	82			
STUDENT, ARCHITECTURAL ENGI-					
NEERING	216	57			
STUDENT, BUSINESS OR PUBLIC AD-					
MINISTRATION	336	83			
STUDENT, CHEMICAL ENGINEERING..	221	59			
STUDENT, CIVIL ENGINEERING	222	59			
STUDENT, DENTISTRY	066	25			
STUDENT, ELECTRICAL ENGINEERING.	223	59			

T

Tabulating Clerk	212	56
TABULATING MACHINE OPERATOR...	400	93
TABULATING MACHINE REPAIRMAN..	425	98
TAILOR	234	61
Tallyman, Forest Products	462	104
Tank Erector	270	69
Tapping Machine Operator.....	302	76
Tax Accountant	268	69

	SSN	PAGE		SSN	PAGE
Taxi Driver	344	85	TIRE REBUILDER	240	63
TEACHER	327	82	Tire Repairman	240	63
TEAMSTER	235	62	Tobacco Products Manufacturing Occupa- tions	*	
Technical School Student	482	107	Toll Telephone and Telegraph Installer	384	91
Telegraph Groundman	299	75	Tool Blacksmith	026	18
Telegraph Installer	384	91	Tool Clerk	242	63
TELEGRAPH OPERATOR	236	62	Tool Design Draftsman	071	26
Telegraph-Repeater Attendant	187	51	Tool Designer	219	58
Telegraph-Repeater Installer	187	51	TOOL DRESSER	026	18
Telegraph-Repeater Installer, Toll	384	91	TOOL MAKER	241	63
Telegraphic Typewriter Mechanic	239	62	Tool Maker's Apprentice	431	99
Telegraphic Typewriter Operator	237	62	Tool Maker's Helper	431	99
Telephone Groundman	299	75	Tool Repairman, Pneumatic	319	80
Telephone Installer	097	32	Tool Sharpener	026	18
Telephone Installer, Toll	384	91	TOOLROOM KEEPER	242	63
TELEPHONE OPERATOR	309	77	Top-Bench Hand	038	20
Telephone Plant Powerman	166	47	Topman	479	106
Telephone Repeaterman	187	51	Topographic Draftsman	076	27
Telephone System Maintenance Man, Auto- matic	115	36	Topographic Surveyor	230	60
Telephone and Telegraph Cable Splicer	039	20	Topographical Computer	243	64
Telephone and Telegraph Cable Tester	041	21	Towerman, Railway	185	50
Telephone and Telegraph Frameman	089	30	Toxicologist	292	74
Telephone and Telegraph Installer-Repair- man	097	32	TRACER	377	90
Telephone and Telegraph Installer, Toll	384	91	Tracer Clerk	457	103
Telephone and Telegraph Lineman	238	62	Trackman	199	54
Telephone and Telegraph Switchboard In- staller, Dial	231	61	TRACTOR DRIVER	244	64
Telephone and Telegraph Switchboard In- staller, Manual	252	61	Tractor Mechanic	319	80
Telephone and Telegraph Wire Chief	261	67	Trade School Student	482	107
TELETYPE MECHANIC	239	62	Traffic Clerk, Radio	498	110
TELETYPE OPERATOR	237	62	TRAFFIC ENGINEER	421	97
Teller, Bank	269	69	TRAFFIC MAN, RAILWAY	047	22
Temperer, Heat Treating	090	30	Traffic Patrolman	291	73
Tender-Truck Repairman	046	22	TRAFFIC RATE CLERK	379	90
Tent and Awning Repairman	044	22	Trailer-Truck Driver	245	64
Terminal Operator Assistant	485	108	Train Caller	010	15
Terminal Supervisor, Petroleum Products	485	108	Trained Nurse	225	59
Test Man, Motor	413	96	Trainer, Dog	458	103
Tester, Cable, Telephone and Telegraph	041	21	Trainer, Pigeon	161	46
Tester, Materials	363	88	Trainmaster	265	68
Textile Manufacturing Occupations	*		Transcribing Machine Operator	405	94
Third Mate	119	37	Transcription Manager	497	110
THIRD RAIL REPAIRMAN	281	71	Transcriptor, Music	496	110
Threading Machine Operator	302	76	Transferer, Photolithography	107	34
Ticket Agent, Railway	211	59	Transit Man	228	60
Ticket Seller	269	69	TRANSLATOR	267	69
Tier-Lift-Truck Operator	354	86	Transmission Man	415	96
Tile Setter	034	19	Transmission Man, Sound Recording Equip- ment Repair	207	55
TIMBER CRUISER	465	104	Transmission Supervisor, Radio Program	498	110
Timber-Culture Assistant	451	102	Transmitter Operator	177	49
Timber Rider	465	104	Transmitter Technician	177	49
Timber Setter	364	88	Transportation Equipment Manufacturing Oc- cupations	*	
TIMBERMAN	364	88	Transportation Foreman	356	87
Timberman, Bridge	035	19	TRAPPER	430	99
Timberman, Mine	364	88	Traveling Crane Operator	063	24
Time-Study Engineer	294	74	Tread Cutter	240	63
Timekeeper, Railway	266	69	Treater, Heat	090	30
Timekeeper, Shop	457	103	Trip-Hammer Operator	025	18
Tin Plater	125	38	Trombone Player	440	100
Tinsmith	061	24	Trouble Shooter, Motor	413	96
Tire Builder	240	63	Trouble Shooter, Pipe-Line	489	109
Tire Inspector	240	63	Trouble Shooter, Radio	174	48
Tire Molder	240	63	Truck Driver, Electric	354	86
			TRUCK DRIVER, HEAVY	245	64

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Truck Driver, Industrial.....	354	86
TRUCK DRIVER, LIGHT.....	345	85
Truck Farmer.....	499	110
Trucker, Casting.....	354	86
Trucker, Power.....	354	86
Trumpet Player.....	433	100
Tuba Player.....	441	101
Tube Operator.....	269	69
Tuft-Machine Operator.....	200	54
Tugboat Captain.....	118	37
Tugboat Engineer.....	080	28
Tugboat Mate.....	119	37
Tuner, Piano.....	297	75
Tunnel Carpenter.....	035	19
Turbine Operator.....	077	28
Turret Lathe Operator.....	302	76
Tutor.....	327	82
TWX Operator.....	237	62
Typesetter.....	168	47
Typesetter (Machine).....	106	34
Typist.....	405	94

U

Undercutting Machine Operator.....	260	67
Undertaker.....	079	28
UPHOLSTERER.....	248	65
Usher.....	010	15
UTILITY REPAIRMAN.....	121	37

V

Varnish and Paint Producing Occupations..*		
Varnisher.....	144	42
Vatman (Electroplating).....	125	38
Vegetable Man.....	062	24
Ventilating Engineer.....	219	58
VETERINARIAN.....	278	71
Veterinary Hospital Attendant.....	250	65
Veterinary Medicine Student.....	249	65
Veterinary Surgical Technician.....	250	65
VETERINARY TECHNICIAN.....	250	65
Vice Squad Patrolman.....	291	73
Violinist.....	021	17
Visiting Nurse.....	225	59
Vocational Adviser.....	262	67
VOCATIONAL COUNSELOR.....	262	67
Vocational Director.....	262	67
Vulcanizer.....	240	63

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Wagoner.....	235	62
Wagonsmith.....	024	17
Waiter.....	010	15
Waitress.....	010	15
Walker, Line.....	489	109
Walking Boss.....	271	70
Warehouse Foreman.....	252	65
Warehouse Record Clerk.....	323	81
Warehouse Stock Clerk.....	324	81
WAREHOUSEMAN.....	251	65
Washer, Machine.....	103	33

Watch Maker.....	381	91
WATCH REPAIRMAN.....	381	91
Water Filterer.....	083	29
Water Pumpman.....	220	58
Water Purifier.....	083	29
WATER SUPPLY ENGINEER.....	254	66
Water Supply Filter Operator.....	083	29
WATER SUPPLY FOREMAN.....	253	65
Water Tender.....	083	29
Waterworks Foreman.....	253	65
Weather Equipment Technician.....	098	32
Weather Forecaster.....	126	38
Weather Observer.....	126	38
Weatherman.....	126	38
Weaver.....	010	15
WELDER, ACETYLENE.....	257	66
WELDER, COMBINATION.....	256	66
WELDER, ELECTRIC ARC.....	255	66
Welder, Gas.....	257	66
Welder, Machine.....	334	83
Welder, Oxyacetylene.....	257	66
WELDER, SPOT.....	334	83
Welfare Worker.....	263	68
WELL DRILLER.....	259	67
Wharfman.....	271	70
Wheel Fitter.....	048	22
Wholesaler.....	352	86
WINCH OPERATOR.....	473	105
Winchman, Cargo.....	473	105
Window Dresser.....	010	15
WIRE CHIEF, TELEPHONE AND TELEGRAPH.....	261	67
Wireless Operator.....	177	49
Wireman.....	078	28
Wireman, Plant.....	089	30
Wood Pattern Maker.....	148	43
Wood Turner.....	113	35
Woods Boss.....	466	105
WOODWORKING MACHINE OPERATOR.....	113	35
Wrecking Laborer.....	188	51
WRITER.....	274	70
Writer, Continuity.....	491	109
Writer, Feature.....	399	93
Writer, Music.....	496	110
Writer, Script.....	491	109

X

X-Ray Photographer.....	264	68
X-RAY TECHNICIAN.....	264	68

Y

Yard Brakeman.....	033	19
Yard Conductor.....	058	23
Yard Engineer.....	110	35
Yard Fireman.....	111	35
Yard Foreman.....	265	68
YARDMASTER.....	265	68

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Zoologist.....	389	92
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*See paragraph 1c above.

Appendix

Conversion of Deleted Specification Serial Numbers

003	PHOTOGRAPHIC TECHNICIAN, AERIAL. Use: 154 Photographic Laboratory Technician.	392	STUDENT, DRAFTING. Use: 482 Student, High School, Vocational.
031	BOILERMAKER, LAYER-OUT. Use: 030 Boilermaker.	396	STUDENT, MANUAL ARTS. Use: 482 Student, High School, Vocational.
032	BORING MILL OPERATOR. Use: 302 Machine Operator (Designated Machine).	397	STUDENT, MECHANICS. Use: 482 Student, High School, Vocational.
051	CONSTRUCTION EQUIPMENT MECHANIC. Use: 319 Construction Equipment Mechanic	403	TELEPHONE INSPECTOR. Use: 261 Wire Chief, Telephone and Telegraph.
101	ENGINE LATHE OPERATOR. Use: 302 Machine Operator (Designated Machine).	404	AIRPLANE ENGINE SERVICE MECHANIC. Use: 006 Airplane Engine Mechanic.
133	EQUIPMENT MAINTENANCE MAN, MOTION PICTURE. Use: 042 Camera Repairman.	406	EMPLOYMENT INTERVIEWER. Use: 275 Classification Specialist.
135	MOTION PICTURE LABORATORY TECHNICIAN. Use: 134 Laboratory Technician, Motion Picture.	417	AGRICULTURAL ENGINEER. Use: 217 Civil Engineer. 218 Electrical Engineer. 219 Mechanical Engineer.
180	RAILWAY MECHANIC, GENERAL. Use: 048 Car Mechanic, Railway. 112 Locomotive Mechanic.	428	PSYCHOLOGICAL ASSISTANT. Use: 289 Personnel Consultant.
226	SURGICAL TECHNICIAN, VETERINARY. Use: 250 Veterinary Technician.	444	RADIO DISPATCHER, POLICE. Use: 291 Policeman.
247	TYPIST. Use: 405 Clerk-Typist.	446	VICE SQUAD PATROLMAN. Use: 291 Policeman.
280	COURT REPORTER. Use: 213 Stenographer.	447	TRAFFIC PATROLMAN. Use: 291 Policeman.
300	TOOL DESIGNER. Use: 114 Machinist. 241 Tool Maker.	467	AIR COMPRESSOR OPERATOR. Use: 081 Engineman, Operating.
308	STENOTYPE OPERATOR. Use: 213 Stenographer.	469	HATCH FOREMAN. Use: 271 Longshoreman.
333	NURSE, INDUSTRIAL. Use: 123, Nurse, Practical.	471	DOCK BOSS. Use: 271 Longshoreman.
349	AXMAN, SURVEYING. Use: 191 Rodman and Chainman, Surveying.	472	WALKING BOSS. Use: 271 Longshoreman.
357	GAS AND OIL MAN. Use: 316 Automobile Serviceman.	474	HEADER. Use: 271 Longshoreman.
380	VOCATIONAL ADVISER. Use: 262 Vocational Counselor.	475	HATCH TENDER (GANGWAYMAN). Use: 271 Longshoreman.
		490	CONTINUITY WRITER. Use: 491 Script Writer.

Appendix

Conversion of Deleted Specification Serial Numbers

401	PHOTOGRAPHING TECHNICIAN, AERO 1	401	STUDENT, INVENTIVE
402	PHOTOGRAPHIC LABORATORY, TECHNICAL	402	STUDENT, HIGH SCHOOL, YOUNG
403	ROBERTS, L. J. (1)	403	STUDENT, HIGH SCHOOL, YOUNG
404	ROBERTS, L. J. (2)	404	STUDENT, HIGH SCHOOL, YOUNG
405	ROBERTS, L. J. (3)	405	STUDENT, HIGH SCHOOL, YOUNG
406	ROBERTS, L. J. (4)	406	STUDENT, HIGH SCHOOL, YOUNG
407	ROBERTS, L. J. (5)	407	STUDENT, HIGH SCHOOL, YOUNG
408	ROBERTS, L. J. (6)	408	STUDENT, HIGH SCHOOL, YOUNG
409	ROBERTS, L. J. (7)	409	STUDENT, HIGH SCHOOL, YOUNG
410	ROBERTS, L. J. (8)	410	STUDENT, HIGH SCHOOL, YOUNG
411	ROBERTS, L. J. (9)	411	STUDENT, HIGH SCHOOL, YOUNG
412	ROBERTS, L. J. (10)	412	STUDENT, HIGH SCHOOL, YOUNG
413	ROBERTS, L. J. (11)	413	STUDENT, HIGH SCHOOL, YOUNG
414	ROBERTS, L. J. (12)	414	STUDENT, HIGH SCHOOL, YOUNG
415	ROBERTS, L. J. (13)	415	STUDENT, HIGH SCHOOL, YOUNG
416	ROBERTS, L. J. (14)	416	STUDENT, HIGH SCHOOL, YOUNG
417	ROBERTS, L. J. (15)	417	STUDENT, HIGH SCHOOL, YOUNG
418	ROBERTS, L. J. (16)	418	STUDENT, HIGH SCHOOL, YOUNG
419	ROBERTS, L. J. (17)	419	STUDENT, HIGH SCHOOL, YOUNG
420	ROBERTS, L. J. (18)	420	STUDENT, HIGH SCHOOL, YOUNG
421	ROBERTS, L. J. (19)	421	STUDENT, HIGH SCHOOL, YOUNG
422	ROBERTS, L. J. (20)	422	STUDENT, HIGH SCHOOL, YOUNG
423	ROBERTS, L. J. (21)	423	STUDENT, HIGH SCHOOL, YOUNG
424	ROBERTS, L. J. (22)	424	STUDENT, HIGH SCHOOL, YOUNG
425	ROBERTS, L. J. (23)	425	STUDENT, HIGH SCHOOL, YOUNG
426	ROBERTS, L. J. (24)	426	STUDENT, HIGH SCHOOL, YOUNG
427	ROBERTS, L. J. (25)	427	STUDENT, HIGH SCHOOL, YOUNG
428	ROBERTS, L. J. (26)	428	STUDENT, HIGH SCHOOL, YOUNG
429	ROBERTS, L. J. (27)	429	STUDENT, HIGH SCHOOL, YOUNG
430	ROBERTS, L. J. (28)	430	STUDENT, HIGH SCHOOL, YOUNG
431	ROBERTS, L. J. (29)	431	STUDENT, HIGH SCHOOL, YOUNG
432	ROBERTS, L. J. (30)	432	STUDENT, HIGH SCHOOL, YOUNG
433	ROBERTS, L. J. (31)	433	STUDENT, HIGH SCHOOL, YOUNG
434	ROBERTS, L. J. (32)	434	STUDENT, HIGH SCHOOL, YOUNG
435	ROBERTS, L. J. (33)	435	STUDENT, HIGH SCHOOL, YOUNG
436	ROBERTS, L. J. (34)	436	STUDENT, HIGH SCHOOL, YOUNG
437	ROBERTS, L. J. (35)	437	STUDENT, HIGH SCHOOL, YOUNG
438	ROBERTS, L. J. (36)	438	STUDENT, HIGH SCHOOL, YOUNG
439	ROBERTS, L. J. (37)	439	STUDENT, HIGH SCHOOL, YOUNG
440	ROBERTS, L. J. (38)	440	STUDENT, HIGH SCHOOL, YOUNG
441	ROBERTS, L. J. (39)	441	STUDENT, HIGH SCHOOL, YOUNG
442	ROBERTS, L. J. (40)	442	STUDENT, HIGH SCHOOL, YOUNG
443	ROBERTS, L. J. (41)	443	STUDENT, HIGH SCHOOL, YOUNG
444	ROBERTS, L. J. (42)	444	STUDENT, HIGH SCHOOL, YOUNG
445	ROBERTS, L. J. (43)	445	STUDENT, HIGH SCHOOL, YOUNG
446	ROBERTS, L. J. (44)	446	STUDENT, HIGH SCHOOL, YOUNG
447	ROBERTS, L. J. (45)	447	STUDENT, HIGH SCHOOL, YOUNG
448	ROBERTS, L. J. (46)	448	STUDENT, HIGH SCHOOL, YOUNG
449	ROBERTS, L. J. (47)	449	STUDENT, HIGH SCHOOL, YOUNG
450	ROBERTS, L. J. (48)	450	STUDENT, HIGH SCHOOL, YOUNG
451	ROBERTS, L. J. (49)	451	STUDENT, HIGH SCHOOL, YOUNG
452	ROBERTS, L. J. (50)	452	STUDENT, HIGH SCHOOL, YOUNG
453	ROBERTS, L. J. (51)	453	STUDENT, HIGH SCHOOL, YOUNG
454	ROBERTS, L. J. (52)	454	STUDENT, HIGH SCHOOL, YOUNG
455	ROBERTS, L. J. (53)	455	STUDENT, HIGH SCHOOL, YOUNG
456	ROBERTS, L. J. (54)	456	STUDENT, HIGH SCHOOL, YOUNG
457	ROBERTS, L. J. (55)	457	STUDENT, HIGH SCHOOL, YOUNG
458	ROBERTS, L. J. (56)	458	STUDENT, HIGH SCHOOL, YOUNG
459	ROBERTS, L. J. (57)	459	STUDENT, HIGH SCHOOL, YOUNG
460	ROBERTS, L. J. (58)	460	STUDENT, HIGH SCHOOL, YOUNG
461	ROBERTS, L. J. (59)	461	STUDENT, HIGH SCHOOL, YOUNG
462	ROBERTS, L. J. (60)	462	STUDENT, HIGH SCHOOL, YOUNG
463	ROBERTS, L. J. (61)	463	STUDENT, HIGH SCHOOL, YOUNG
464	ROBERTS, L. J. (62)	464	STUDENT, HIGH SCHOOL, YOUNG
465	ROBERTS, L. J. (63)	465	STUDENT, HIGH SCHOOL, YOUNG
466	ROBERTS, L. J. (64)	466	STUDENT, HIGH SCHOOL, YOUNG
467	ROBERTS, L. J. (65)	467	STUDENT, HIGH SCHOOL, YOUNG
468	ROBERTS, L. J. (66)	468	STUDENT, HIGH SCHOOL, YOUNG
469	ROBERTS, L. J. (67)	469	STUDENT, HIGH SCHOOL, YOUNG
470	ROBERTS, L. J. (68)	470	STUDENT, HIGH SCHOOL, YOUNG
471	ROBERTS, L. J. (69)	471	STUDENT, HIGH SCHOOL, YOUNG
472	ROBERTS, L. J. (70)	472	STUDENT, HIGH SCHOOL, YOUNG
473	ROBERTS, L. J. (71)	473	STUDENT, HIGH SCHOOL, YOUNG
474	ROBERTS, L. J. (72)	474	STUDENT, HIGH SCHOOL, YOUNG
475	ROBERTS, L. J. (73)	475	STUDENT, HIGH SCHOOL, YOUNG
476	ROBERTS, L. J. (74)	476	STUDENT, HIGH SCHOOL, YOUNG
477	ROBERTS, L. J. (75)	477	STUDENT, HIGH SCHOOL, YOUNG
478	ROBERTS, L. J. (76)	478	STUDENT, HIGH SCHOOL, YOUNG
479	ROBERTS, L. J. (77)	479	STUDENT, HIGH SCHOOL, YOUNG
480	ROBERTS, L. J. (78)	480	STUDENT, HIGH SCHOOL, YOUNG
481	ROBERTS, L. J. (79)	481	STUDENT, HIGH SCHOOL, YOUNG
482	ROBERTS, L. J. (80)	482	STUDENT, HIGH SCHOOL, YOUNG
483	ROBERTS, L. J. (81)	483	STUDENT, HIGH SCHOOL, YOUNG
484	ROBERTS, L. J. (82)	484	STUDENT, HIGH SCHOOL, YOUNG
485	ROBERTS, L. J. (83)	485	STUDENT, HIGH SCHOOL, YOUNG
486	ROBERTS, L. J. (84)	486	STUDENT, HIGH SCHOOL, YOUNG
487	ROBERTS, L. J. (85)	487	STUDENT, HIGH SCHOOL, YOUNG
488	ROBERTS, L. J. (86)	488	STUDENT, HIGH SCHOOL, YOUNG
489	ROBERTS, L. J. (87)	489	STUDENT, HIGH SCHOOL, YOUNG
490	ROBERTS, L. J. (88)	490	STUDENT, HIGH SCHOOL, YOUNG
491	ROBERTS, L. J. (89)	491	STUDENT, HIGH SCHOOL, YOUNG
492	ROBERTS, L. J. (90)	492	STUDENT, HIGH SCHOOL, YOUNG
493	ROBERTS, L. J. (91)	493	STUDENT, HIGH SCHOOL, YOUNG
494	ROBERTS, L. J. (92)	494	STUDENT, HIGH SCHOOL, YOUNG
495	ROBERTS, L. J. (93)	495	STUDENT, HIGH SCHOOL, YOUNG
496	ROBERTS, L. J. (94)	496	STUDENT, HIGH SCHOOL, YOUNG
497	ROBERTS, L. J. (95)	497	STUDENT, HIGH SCHOOL, YOUNG
498	ROBERTS, L. J. (96)	498	STUDENT, HIGH SCHOOL, YOUNG
499	ROBERTS, L. J. (97)	499	STUDENT, HIGH SCHOOL, YOUNG
500	ROBERTS, L. J. (98)	500	STUDENT, HIGH SCHOOL, YOUNG



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