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**U. S. GOVERNMENT** **films**

**FOR PUBLIC EDUCATIONAL USE**

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**SERLEY REID**  
**Chief, Visual Education Service**

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*with the assistance of*

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**ANITA CARPENTER**  
**ANNIE ROSE DAUGHERTY**  
**Visual Education Service**

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**Bulletin 1955, No. 1**

**U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE**

**MARION B. FOLSOM, Secretary**

**Office of Education**

**SAMUEL MILLER BROWNELL, Commissioner**

## FOREWORD

This catalog lists and describes more than 4,000 motion pictures and filmstrips of the United States Government which are now available for public use within the United States. While all departments and establishments of the Government assisted in its preparation, the catalog is primarily the result of unique cooperation between the Office of Education and the Library of Congress. Briefly stated, the Office of Education collects and catalogs information about all U.S. Government films and sends such information to the Library of Congress. The Library reviews these data, indexes the films by subjects, and prints 3x5-catalog cards. These cards, prepared cooperatively by the Office and the Library, provided the basic material used in compiling this 1955 catalog of U.S. Government Films for Public Educational Use.

It is our hope that the catalog will help schools and colleges and libraries in choosing and using the many educational films of the United States Government. Film users can keep their catalogs up-to-date through Library of Congress film catalog cards which are issued on a continuing basis.

To the members of our respective staffs and to the Government agencies that cooperated in the preparation of this catalog, we wish to express our sincere appreciation.

**SAMUEL MILLER BROWNELL,**  
U.S. Commissioner of Education.

**L. QUINCY MUMFORD,**  
The Librarian of Congress.

UNITED STATES  
GOVERNMENT PRINTING OFFICE  
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## THIS CATALOG

### Background and purpose

The United States Office of Education, as one of its services to American schools and colleges, provides these institutions with information about the educational materials of the Federal Government; and as part of this service, the Office collects, catalogs, and publishes information about the motion pictures and filmstrips of all Government agencies--continuously through Library of Congress catalog cards and occasionally through book catalogs.<sup>1</sup>

In February 1950 the Bureau of the Budget, by direction of the President, issued a circular to the heads of all executive departments and establishments of the Federal Government calling their attention to this service of the Office of Education and requesting that certain basic information about their films be furnished to the Office of Education. In its circular, the Bureau of the Budget stressed the following values of a catalog of U.S. Government films:

It is anticipated (a) that the information so compiled and the catalog, with supplements and revisions as needed, will be helpful not only to educational institutions, other community organizations, and the general public but also to all departments and establishments of the Government; (b) that it will facilitate and expedite the answering of inquiries addressed to the Government concerning the existence and availability of Government films; and (c) that it will provide all departments and establishments with a central information source on the existence of Government films.

The Office of Education, from information so furnished by the individual Government agencies, prepared and issued in 1951 a catalog describing 3,434 motion pictures, filmstrips, and sets of slides of the U.S. Government which were then available for public use within the United States.

Also in 1951, the Office of Education and the Library of Congress entered into a cooperative agreement whereby the Office, having information about all Government films per the Bureau of the Budget directive, would furnish such information to the Library, and the Library would print and distribute 3x5 catalog cards for all these films. This cooperative cataloging service is now firmly established, and Library of Congress cards are available for each of the 4,500 films described in this 1955 catalog.

With the card cataloging service of the Library of Congress on a continuous basis, it is anticipated that no more book catalogs such as this one will need to be published. Those who wish information about U.S. Government films can easily subscribe to LC's film catalog cards and make their own comprehensive or specialized catalogs.

### Scope of this catalog

In the preparation of this catalog, four basic criteria have been used in defining its scope--U.S. Government films available for public educa-

<sup>1</sup>Four such catalogs have previously been published: Office of Education, Directory of U.S. Government Films, 1940; Office of Education, U.S. Government Motion Pictures and Filmstrips, 1945; Library of Congress, Guide to United States Government Motion Pictures, 1947; and Office of Education, 3434 U.S. Government Films, 1951. The first three are out of print. The fourth one is superseded by this 1955 catalog.



## THIS CATALOG

tional use in the United States. In the first place, "U.S. Government" has been interpreted to include all agencies of the executive, judicial, and legislative branches of the Federal Government (including wholly owned Government corporations). But not included in the catalog are films of quasi-official agencies such as the American Red Cross; of international agencies such as the Pan American Union and the United Nations; or of State and local governments.

Second, the word "films," as used in the catalog, includes both motion pictures and filmstrips.

A third criterion, more difficult of interpretation than the previous two standards, relates to the extent of ownership and sponsorship of a film by an agency of the Federal Government. In this catalog, "U.S. Government films" have been defined as those films which are (a) the property of the Federal Government, including negative and reproduction rights; or which, if not owned by the Government, are (b) presented officially by the Government and to which the Government has major distribution rights. Not included in the catalog are films, produced by non-Government sources, copies of which may have been acquired by and are being distributed by a particular Government agency, but to which the Government's equity and sponsorship extend only to these copies.

### Availability for public use

This catalog includes all U.S. Government films--as defined by the three above-mentioned criteria--which are available for public use in the United States. This fourth criterion is also difficult of interpretation, but here it has been defined as follows: If prints (copies) of a film can be purchased and used by the public in the United States, that film has been considered available. If prints of a film cannot be purchased, however, a film has been considered available only if there are sufficient prints in circulation to take care of public requests for the film. Admittedly, the number of "sufficient prints" is variable, depending upon the nature of the subject matter and the probable size of the audience for a particular film. Only those films which, the authors believe, are actually available and reasonably accessible for public use in the United States have been included in the catalog.

These, then, are the four criteria used in the selection of the U.S. Government films included in this catalog. Only those films which met these criteria have been included. Not included in the catalog are films which have been withdrawn because of obsolescence or other reasons; films which are used solely as working tools by a Government agency; films which consist of unedited footage or "stock shots"; and films whose public use in the United States is prohibited for security reasons, legal restrictions, or policy considerations.

### Preparation of the catalog

As was explained above, the Office of Education and the Library of Congress have cooperatively cataloged all of the films listed and described in this catalog. LC's film catalog cards, available for all of the films, provided the basic material used in preparing the catalog--essential descriptive information about individual films and film series, pages 7-521, and the subject headings, pages 522-633, under which the films have been classified. To these descriptive and subject-matter data have been added certain items concerning the availability of each

U. S. GOVERNMENT FILMS

film--borrow, rent, and purchase instructions, information concerning TV clearance, and the order number of the Library of Congress catalog card.

All film descriptions in the catalog were submitted by the Office of Education to the appropriate Government agencies for review, correction, and approval. To all of these agencies, we express our appreciation for their cooperation and assistance.

This is, of course, an overly simplified explanation of the preparation of this catalog. Many additional steps were taken in the compilation of the information, in the checking of the accuracy and authenticity of such information, and in the cataloging process itself. Such steps need not be described--they can be inferred--except to say that the Office of Education has, insofar as possible, made sure that the catalog is an accurate and complete listing--as of January 1, 1955--of every U.S. Government motion picture and filmstrip available for public educational use within the United States.

Following is a list of the abbreviations and symbols, with definitions, that are used in this catalog:

U.S. GOVERNMENT AGENCIES	USDI-BPA....U.S. Department of the Interior, Bonneville Power Administration
LC.....Library of Congress	USECA.....U.S. Economic Cooperation Administration
TVA.....Tennessee Valley Authority	USFCA.....U.S. Farm Credit Administration
USA.....U.S. Army	USFCDA.....U.S. Federal Civil Defense Administration
USA-CAD....U.S. Army, Civil Affairs Division	USFCIC.....U.S. Federal Crop Insurance Corporation
USA-Eng....U.S. Army Engineers	USFOA.....U.S. Foreign Operations Administration
USAEC.....U.S. Atomic Energy Commission	USFR.....U.S. Federal Reserve Banks
USAF.....U.S. Air Force	USFS.....U.S. Forest Service
USAFIP.....U.S. Armed Forces Institute of Pathology	USFS-BR....U.S. Forest Service, Blister Rust Control Project
USARS.....U.S. Agricultural Research Service	USFSA.....U.S. Federal Security Agency
USBIA.....U.S. Bureau of Indian Affairs	USFWS.....U.S. Fish and Wildlife Service
USBM.....U.S. Bureau of Mines	USGS.....U.S. Geological Survey
USBR.....U.S. Bureau of Reclamation	USHHFA.....U.S. Housing and Home Finance Agency
USCAA.....U.S. Civil Aeronautics Administration	USIA.....U.S. Information Agency
USCG.....U.S. Coast Guard	
USDA.....U.S. Department of Agriculture	
USDC-OSB...U.S. Department of Commerce, Office of Small Business	



THIS CATALOG

USIIAA .....	U.S. Institute of Inter-American Affairs	AWRT .....	American Women in Radio and Television
USMC.....	U.S. Marine Corps	CNHW .....	Canadian Department of National Health and Welfare
USMSA .....	U.S. Mutual Security Agency	ConFilm.....	Consolidated Film Industries, Inc.
USN.....	U.S. Navy	C-W Film....	Churchill-Wexler Film Productions, Inc.
USN-BuMed..	U.S. Navy, Bureau of Medicine and Surgery	DeLuxe.....	DeLuxe Laboratories, Inc.
USNACA.....	U.S. National Committee for Aeronautics	EBF.....	Encyclopaedia Britannica Films, Inc.
USNBS.....	U.S. National Bureau of Standards	EFLA.....	Educational Film Library Association
USNGA .....	U.S. National Gallery of Art	HPI.....	Health Publications Institute
USNPS.....	U.S. National Park Service	IFB.....	International Film Bureau
USOE.....	U.S. Office of Education	MTP.....	Modern Talking Picture Service
USOIAA .....	U.S. Office of Inter-American Affairs	PCR.....	Psychological Cinema Register
USOSRD.....	U.S. Office of Scientific Research and Development	SAB.....	Society of American Bacteriologists
USOVR .....	U.S. Office of Vocational Rehabilitation	SVE.....	Society for Visual Education
USOWI.....	U.S. Office of War Information	UWF .....	United World Films, Inc.
USPHS.....	U.S. Public Health Service		
USPHS-CDC.	U.S. Public Health Service, Communicable Disease Center		
USPHS-NCI..	U.S. Public Health Service, National Cancer Institute		
USPO.....	U.S. Post Office Department		
USSSA .....	U.S. Social Security Administration		
USVA.....	U.S. Veterans Administration		
USWB.....	U.S. Weather Bureau		

OTHER INSTITUTIONS AND ORGANIZATIONS

ACS.....American Cancer Society

MISCELLANEOUS

b&w.....black-and-white  
fr.....frames  
FS.....filmstrip  
min.....minutes  
MP.....motion picture  
rpm.....revolutions per minute  
sec.....seconds  
TV.....television

## I. U.S. GOVERNMENT FILMS AND FILM SERVICES

Motion pictures and filmstrips of the United States Government are made to be used in the administration and execution of specific programs authorized by Congress, such as the prevention of forest fires, the training of military personnel, or the control of communicable diseases. This is a basic concept--that films follow programs--which underlies an understanding of the production, distribution, and use of Government films. It is most significant that there is today no appropriation of funds to any Government agency specifically for the production and use of films; yet nearly every agency is using films in its program activities.

Basically, the Government uses films in four different ways: (1) in recording data of aeronautical experiments, plant growth, gunnery tests, and the like; (2) in the training of Government personnel, military and civilian; (3) for the information of public groups in the United States; and (4) in information and education programs outside the United States.

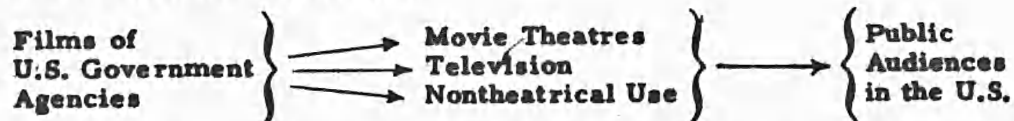
In addition to these uses of films, the Government provides a number of film services--the card cataloging of films, Government and non-Government, by the Library of Congress; the copyrighting of films, also through the Library of Congress; historical and reference collections of films in the National Archives and the Library of Congress; film research studies such as those conducted at Pennsylvania State University with Army and Navy funds; the preparation of film bibliographies on child development, mental health, or atomic energy; assistance in the export of films through studies of foreign markets, fostering international agreements, and the issuance of special catalogs; providing film producers with stock footage on atomic energy or agriculture or other subjects; etc., etc.

This is a very brief summary of the film services of the Federal Government. Readers who wish additional information should consult U.S. Government Films: Policies, Procedures, Problems, a summary of a seminar held in Washington in the fall of 1954 under the auspices of the Graduate School of the U.S. Department of Agriculture. Copies of the summary may be purchased from the Graduate School.

### From film to audience

Films of the United States Government, being made to be used in the administration and execution of specific programs, are designed for definitive audiences. These purposes and audiences determine the particular methods of their distribution.

There are three ways in which Government films can reach U.S. audiences: (1) theatrical exhibition in movie theatres; (2) television to home audiences; and (3) nontheatrical use in schools, clubs, industry, unions, etc. Diagrammatically, these methods of distribution can be visualized as follows:



These three methods of film distribution, of course, are used not only by Government agencies but by all film producers and distributors.



Their relative value depends upon the nature of a film, the composition of the film's audience, and the intended effect of the film upon its audience.

In general, theatrical and/or television exhibition of U.S. Government films is deliberately used only for those films aimed at large non-selective audiences, e.g., the Smokey Bear shorts on forest fire prevention, recruiting messages of the Armed Forces, or an explanation of the 1954 changes in social security benefits.

Most Government films, as evidenced from the film descriptions in this catalog, are too specialized for the heterogeneous audiences in movie theatres or before television screens in homes. What is the audience for a film explanation of diseases in hogs? Or the intramedullary fixation of the femur? Or rough-facing, boring, and turning a shoulder on the vertical boring mill? Such films, quite obviously, are for specialized nontheatrical audiences.

### Television

Despite the fact that most Government films are too specialized for television audiences, all agencies today recognize the importance of this method of distributing their films and reaching audiences through "long-range" projection. Looking not only at today's needs but also to future possibilities and developments, most agencies producing films today are automatically clearing them for television use. Of the 4,500 motion pictures listed in this catalog, more than 1,000 may be used on television. All such films are identified by the notation "Cleared for TV."

The conditions under which such films may be televised and the restrictions upon such use vary with different agencies, but in general the following provisions apply to the television exhibition of Government films:

1. The films must be televised in their entirety, including credit titles. Note: Some agencies permit minor deletions to be made, if necessary because of program time limitations, if such deletions do not alter the basic content and integrity of the film.
2. The films must be televised continuously from beginning to end except for routine "breaks" for station identification. They shall not be broken for advertisements.
3. The films may be used only on sustaining programs. Note: Some agencies permit their films to be used on sponsored programs but specify that such use shall not constitute endorsement by the Government of the program, sponsor, product, or station.

Any institution or group wishing to use a Government film on television should write to the particular agency owning the film for its specific TV conditions.

### Nontheatrical film distribution

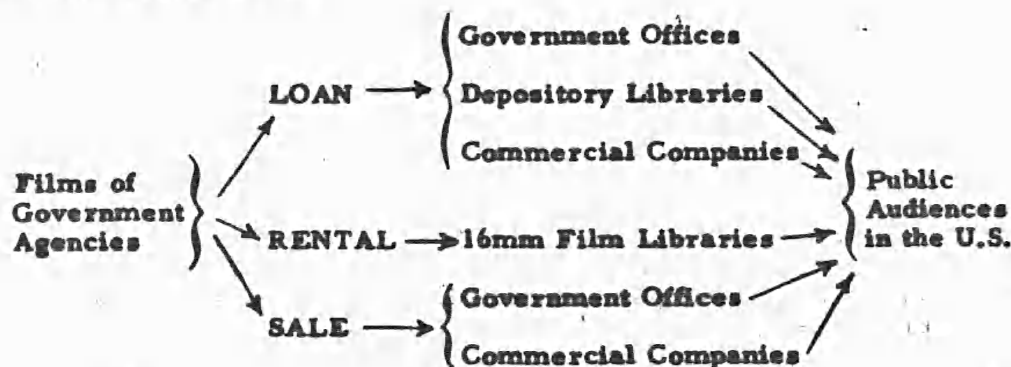
There are today almost as many ways of distributing, nontheatrically, Government films as there are Government agencies with such films. The Department of Agriculture, for example, distributes on a free loan basis its six films on white pine blister rust from the regional offices of the Blister Rust Control Project of the Forest Service;

its forestry films from the regional offices of the Forest Service; a single film, Vesicular exanthema, from state offices of the Agricultural Research Service; two films on crop insurance through state offices of the Federal Crop Insurance Corporation; films on farm credit and cooperatives through the Farm Credit Administration; and some films from the USDA Motion Picture Service in Washington. The Department also distributes its films upon a service-charge or rental basis through 74 depository film libraries located mainly in State agricultural extension offices and in land grant colleges and universities. Then, too, USDA films are distributed upon a sales basis--motion pictures through United World Films, Inc., New York; filmstrips through Photo Lab, Inc., Washington. And, of course, films which are purchased are, in turn, distributed on various loan and rental bases by school, university, public, commercial, and other film libraries.

Here, in a single agency, is the use of practically all methods of nontheatrical film distribution. The one exception is that of "sponsored film" distribution, i.e., the use of a commercial company to distribute films with the cost of such distribution being paid by the sponsor. This method, commonly used by industry, has seldom been employed by the Government--today only by the Post Office Department and the Foreign Operations Administration.

Generally speaking, Government agencies use several different methods in distributing, nontheatrically, their films throughout the United States--as described above for the Department of Agriculture. In so doing, the Government is following the same pattern as most educational and industrial film producers who use, in variation and combination, different loan, rental, and sales outlets.

The following diagram shows, in a somewhat simplified manner, the major methods used by the Government in the nontheatrical distribution of its films.



Loan by Government offices

Little explanation needs to be made of this method of distributing Government films. It resembles the "free copy" distribution of Government publications with the particular agency lending, upon request, its films for use by a school, community group, technical society, etc. The borrower agrees to use the film in its entirety, to charge no admission, to return the film promptly, to pay transportation costs, and to pay for any damage to the film. Some agencies restrict the use of their films to particular audiences--medical films to professional groups, for example--and in general all agencies give first priority to appli-



cants representing the segment of the U.S. public for whom the film was made.

The Armed Forces, in lending films to the public, make a distinction between information films and training films. The former, being made for public information, may be borrowed from the appropriate Army, Navy, and Air Force installations. The latter, having been made for the training of Armed Forces personnel, are used primarily for such purpose and are not generally loaned to the public. Instead, they have been made available for sale. In certain instances, if a film is not being used for military training, the Armed Forces installation will lend it to educational institutions.

#### Loan through depository libraries.

Instead of lending films directly to the public, some Government agencies use a system of "depository libraries" whereby they furnish to established 16mm film libraries throughout the country prints of their films on a long-term loan, and these film libraries distribute the prints so deposited to their regular clientele within a city or state or region. To a certain extent, the term "loan" is a misnomer, for these depository libraries usually make a "service charge" to film borrowers and in some instances charge their prevailing rental rates. Such variations in charges among depository libraries are due to differences in their own policies and also to differences among Government agencies in the terms of their agreements with depository libraries. The Fish and Wildlife Service, for example, limits the service charge on its films to \$1.00. The Department of Agriculture puts a limit of \$1.00 per reel per day for black-and-white prints and sets no limit on color prints. And the Bureau of Mines does not mention service or rental charges in its agreements with its depository film libraries.

In addition to "depository" film libraries, there are a number of 16mm libraries which have purchased prints of Government films and distribute these prints on a loan or rental basis. And, of course, many of the depository libraries have purchased additional prints in order to meet the demand for particular Government films. Both depository and non-depository film libraries are listed in this catalog as sources of Government films and no distinction has been made between such libraries or the sources of their prints.

#### Loan through commercial companies

As was mentioned earlier, the method of "sponsored film" distribution has been used only occasionally by the Government. Today only two films are being so distributed, both by Modern Talking Picture Service, Inc.

#### Sale by Government agencies

There is no Government agency, like the Government Printing Office in the field of publications, which has the authority and resources to make and sell prints of all Government films. The Institute of Inter-American Affairs, now part of the Foreign Operations Administration, does have such authority to sell prints of its own films, but excepting the Institute, the sale of films by Government agencies is negligible.

#### Sale by commercial companies

To a very large extent, the sale of U.S. Government films is now handled by United World Films, Inc. under a competitive bid contract



GS-03S-11529, awarded by the General Services Administration. Some agencies have placed their films on sale through the film laboratories in which the film negatives are stored, e.g., Fish and Wildlife Service, Bureau of Indian Affairs, and Federal Civil Defense Administration. Other agencies, notably the Department of Agriculture in the sale of its filmstrips, have contracts with other film distributors. With these few exceptions, United World Films handles the sale of U.S. Government films--3,028 motion pictures and filmstrips as of January 1, 1955.

#### Primary and auxiliary distribution methods

It is helpful, sometimes, to classify the distribution methods used by particular agencies as "primary" and "auxiliary." The terms are almost self-explanatory. The Department of Agriculture, for example, distributes its films primarily through its field offices and depository libraries, but it also uses an auxiliary method--that of the sale of prints--in order to make available to interested individuals and groups additional prints for which the Department itself has insufficient funds. The Office of Education, on the other hand, uses sale as its primary means of distribution since in appropriating funds for the production of the USOE training films, Congress did not provide funds for distribution prints (and even specified that the production cost of the films should be amortized from the sale of prints). Then, again, the U.S. Information Agency in its overseas programs uses loan as its primary method of distribution, but in the United States its films are available only through sale--which, then, is its primary U.S. method.

#### Foreign use

Practically all of the films listed in this catalog may be used in other countries. Some of them are being distributed overseas by such agencies as the U.S. Information Agency and the Foreign Operations Administration which have operating programs in foreign countries. Prints of many of the films have been purchased by institutions and organizations in other countries, particularly the English-speaking countries of Australia, Canada, and New Zealand. Some of the films have been translated, with the permission of the U.S. Government, into other languages, particularly in Europe where, for example, 230 motion pictures and 110 filmstrips of the U.S. Office of Education were translated into Danish, Dutch, French, Italian, and other languages and used in ECA's European recovery programs.

With rare exceptions, Government agencies other than those with overseas programs do not lend their films for use outside the United States. Foreign users must purchase prints of the films from the sources indicated in this catalog. As an aid to the importation of films into many countries, the U.S. Information Agency has issued Educational Certificates for most of the films in this catalog. Also as an aid to the foreign use of films, the U.S. Office of Education and the U.S. Department of Agriculture now permit, submit to certain conditions, their films to be magnetically striped, foreign-language translations of the commentaries to be recorded thereon, and the "foreign-language" prints to be used. Information concerning the conditions of such use can be obtained from the U.S. Information Service at the U.S. Embassies in other countries or from the U.S. Office of Education, Washington 25, D. C.

#### Summary

This is a very brief summary of the film programs and services of the United States Government. They are many and varied, ranging from

the photographic recording of scientific test data and the copyrighting of commercial films to the production, distribution, and use of films in the administration and execution of substantive programs authorized by Congress. We hope that the foregoing explanation will help readers of this catalog to understand better these various programs and services and to use those Government films which will assist them in their educational programs.



## II. 4,500 FILMS FOR PUBLIC EDUCATIONAL USE

The following information is given for each film: its title, whether motion picture or filmstrip, Government agency responsible for its production, year of release, length in minutes or frames, whether sound or silent, color or black-and-white, series title if part of a series, order number if any, significant relationships to other films, summary, loan, and purchase sources, television availability if so cleared, and order number of Library of Congress catalog card for the film.

Abbreviations are defined on pages vi-vii and addresses of sources are given on pages 634-651.

### **AAF comes of age.**

MP, USAF, 1946. 54 min, sd, b&w. Order no. SFP 200.

Historical record of the development and role of the U.S. Army Air Forces in World War II. Includes combat scenes and closes with the dropping of the atomic bombs upon Japan.

Borrow from USAF. Buy from UWF. LC card FIE 52-1441.

### **AAF special delivery.**

MP, USAF, 1946. 13 min, sd, b&w. Order no. SFP 225.

Shows varied means of delivery made by the U.S. Air Force in war and peace, the atomic bombing of Japan, and the U.S. Air Force participation in the first Bikini tests.

Borrow from USAF. Buy from UWF. LC card FIE 52-1451.

### **The ABC of G.**

MP, USN, 1944. 23 min, sd, color. Order no. MN 3446.

Explains the effect produced by accelerative force (measured in G's) upon the blood in the body; shows testing equipment used to determine how soon a subject greys out, blacks out, or reds out; and stresses keeping the body in good condition.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1131.

### **The ABD: Wing raising by the floatation method.**

MP, USN, 1944. 10 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-d.

Describes the construction of the ABD (advanced base dock) and

demonstrates by animation the raising of its wings by the floatation method.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2142.

### **Abandon ship.**

MP, USN, 1943. 32 min, sd, b&w. Order no. MN 1145.

Explains how to abandon a ship, escape through oil and gas, use emergency floatation tactics, rescue others, and defend self against predatory marine life.

Borrow USN-BuMed. Buy from UWF. LC card FIE 52-1059.

### **Abdominal colostomy closure (Pauchet method)**

MP, USA, 1947. 9 min, sd, color. Order no. PMF 5002.

Demonstrates a case of a well-functioning colostomy of double loop type located on the left side in the sigmoid colon; describes the method used to accomplish closure, and necessary precautions to be observed. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2239.

### **Aberdeen proving ground.**

MP, USA, 1951. 17 min, sd, b&w. Order no. FB 238.

Discusses the functions and operations of the Ballistics Research Laboratory, Development and Proof Services, the Ordnance School, and the Aberdeen Ordnance Depot at Aberdeen Proving Ground, Maryland.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2049.



**About faces.**

MP, USPHS, 1941. 10 min, sd, b&w.

Emphasizes the importance of good teeth, particularly in relationship to one's appearance; and of care of the teeth, particularly the necessity of regular visits to a dentist.

Borrow from USPHS. LC card FIE 53-227.

**About rumors.**

MP, US Defense, 1953. 15 min, sd, color. Order no. FN 7437 or AFIF 41.

Explains through the use of cartoons the harmful effects of rumors and describes what they are, how they start, and why they spread.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-515.

**Accessory assembly series.**

Tools and procedures, nos. 1-2  
Hand soldering  
High frequency soldering

**Accident prevention aboard ship.**  
MP, USN, 1952. 9 min, sd, color.  
Order no. MN 6939.

An animated cartoon caricaturing typical accidents aboard ship to point out the importance of developing attitudes of safety.

Borrow from USN-BuMed. LC card FIE 54-144.

**Acrobatic checks.**

MP, USN, 1943. 20 min, sd, b&w. (Intermediate acrobatics series)  
Order no. MN 1325-g.

Demonstrates acrobatic checks when making a flipper turn, loop, right and left slow rolls, right chandelle, and right and left precision spins.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1012.

**Acrobatics.**

MP, USAF, 1943. 19 min, sd, b&w.  
Order no. TF 1-505.

Describes the fundamental techniques and common errors in

such maneuvers as simple loop, half roll, reverse, Immelmann, snap roll, slow roll, and vertical reverse.

Borrow from USCAA film libraries. LC card FIE 53-419.

**Across-the-line starters.**

MP, USOE, 1945. 15 min, sd, b&w. (Electrical work series. Motor control, no. 2) Order no. OE 389. With instructor's manual.

Theory and operation of a manually operated thermal overload switch; a magnetically operated across-the-line starter; a drum reversing switch for a three-phase motor; and a magnetic reversing switch.

Buy from UWF. LC card FIE 52-186.

**Across-the-line starters.**

FS, USOE, 1945. 37 fr, b&w. (Electrical work series. Motor control, no. 2) Order no. OE 389-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2667.

**Acrylic bridgework.**

See Anterior acrylic bridge-work.

**Acrylic jacket crown construction.**

MP, USN, 1948. 35 min, sd, color.  
Order no. MN 5371.

Preparation of tooth for a jacket crown; laboratory work in preparation of the crown; fitting and polishing the crown. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1355.

**Action highlights of the war.**

MP, USCG, 1946. 10 min, sd, b&w.

Scenes of naval actions in World War II photographed by U.S. Coast Guard cameramen.

Borrow from USCG. LC card FIE 54-300.

**Action of the extra-ocular muscles.**

MP, USN, 1945. 8 min, sd, color.  
Order no. MN 3483.

Illustrates the structure and function of the extra-ocular muscles, and identifies latent paresis and paralysis in the diagnosis of typical muscle effects.

Borrow from USN-BuMed. LC card FIE 52-1134.

**Activated sludge plant with vacuum filtration and incineration.**

FS, USPHS, 1950. 75 fr, b&w with disc: 16 in, 331/3 rpm, 8 min. (Municipal sewage treatment plants, no. 4) Order no. 5-160.

Explains through schematic diagrams and photographs details of activated sludge and vacuum filtration units as applied to sewage treatment plants.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-964.

**Active peacetime service.**

MP, USCG, 1947. 28 min, sd, b&w.

Shows the peacetime activities and duties of the U.S. Coast Guard during floods, on weather patrol, in maintaining aids to navigation, etc.

Borrow from USCG. Cleared for TV. LC card FIE 52-862.

**Activities and operations of the subsistence mobile laboratory in the field.**

MP, USA, 1946. 18 min, sd, b&w.  
Order no. FB 216.

Shows how a subsistence mobile laboratory unit operates at a food cannery plant and how laboratory personnel make tests on canned foods.

Borrow from USA. Buy from UWF. LC card FIE 52-2047.

**Activity for schizophrenia.**

MP, USVA, 1950. 25 min, sd, b&w.

Explains how modern (1950) concepts of activity are applied to distinctive needs of schizophrenic patients; shows particularly how corrective therapists under the

guidance of psychiatrists motivate patients from lower levels of activity to more socialized areas by establishing strong interpersonal relationships through the sensory appeal of intensified physical activities.

Borrow from USVA. Buy from UWF. LC card FIE 53-84.

**Adding or removing refrigerant.**

MP, USOE, 1945. 17 min, sd, b&w. (Refrigeration service series. Domestic units, no. 4) Order no. OE 441. With instructor's manual.

How to check a domestic refrigeration system for lack of refrigerant; add refrigerant by weight; add an unmeasured amount of refrigerant; and remove refrigerant.

Buy from UWF. LC card FIE 52-237.

**Adding or removing refrigerant.**

FS, USOE, 1945. 52 fr, b&w. (Refrigeration service series. Domestic units, no. 4) Order no. OE 441-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2739.

**Adjusting and checking the expansion valve.**

MP, USOE, 1945. 21 min, sd, b&w. (Refrigeration service series. Domestic units, no. 7) Order no. OE 444. With instructor's manual.

Design and operation of the bellows type and the diaphragm type automatic expansion valves; and how to adjust, check, and service the bellows type valve.

Buy from UWF. LC card FIE 52-238.

**Adjusting and checking the expansion valve.**

FS, USOE, 1945. 49 fr, b&w. (Refrigeration service series. Domestic units, no. 7) Order no. OE 444-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2740.



**Adjusting & repairing the thermo expansion valve.**

MP, USOE, 1945. 12 min, sd, b&w. (Refrigeration service series. Commercial systems, no. 1) Order no. OE 448. With instructor's manual.

Theory of multiple refrigeration systems; how to test and adjust the thermo expansion valve; recognize symptoms of trouble in the valve; and service the valve.

Buy from UWF. LC card FiE 52-259.

**Adjusting & repairing the thermo expansion valve.**

FS, USOE, 1945. 38 fr, b&w. (Refrigeration service series. Commercial systems, no. 1) Order no. OE 448-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2726.

**Adjusting commercial thermostatic controls.**

MP, USOE, 1945. 12 min, sd, b&w. (Refrigeration service series. Commercial systems, no. 3) Order no. OE 450. With instructor's manual.

How to adjust the thermostatic motor control, the thermo two-temperature valve, and the thermo water valve.

Buy from UWF. LC card FiE 52-261.

**Adjusting commercial thermostatic controls.**

FS, USOE, 1945. 39 fr, b&w. (Refrigeration service series. Commercial systems, no. 3) Order no. OE 450-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2727.

**Adjusting mechanical brakes.**

FS, USN, 1943. 21 fr, b&w. Order no. SN 1995.

Demonstrates preliminary checking of brake system; adjusting the brakes; and final adjustments of the brake hook-up.

**For aircraft mechanics training.**

Buy from UWF. LC card FiE 52-1770.

**Adjusting pressure actuated temperature control devices.**

MP, USOE, 1945. 15 min, sd, b&w. (Refrigeration service series. Commercial systems, no. 2) Order no. OE 449. With instructor's manual.

Purpose of pressure actuated temperature control devices; how to adjust the pressure actuated motor control; and adjust the metering type and snap-action two-temperature valves.

Buy from UWF. LC card FiE 52-260.

**Adjusting pressure actuated temperature control devices.**

FS, USOE, 1945. 47 fr, b&w. (Refrigeration service series. Commercial systems, no. 2) Order no. OE 449-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2649.

**Adjusting the Le Tourneau power control unit.**

MP, USA, 1953. 11 min, sd, b&w. (Operator's adjustments, D-7 tractor, no. 1) Order no. TF 5-1774.

Explains the common causes of trouble in the power control unit and how to recognize and correct them. Shows in detail the steps in adjusting the brake, spacing the main gear, and adjusting the clutch.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-489.

**Adjusting valves.**

FS, USN, 1942. 35 fr, b&w. Order no. SN 169.

An aircraft maintenance demonstration film which shows recommended procedures for checking and adjusting valves and a method of emergency repair of a valve failure when no spare parts are available.

Buy from UWF. LC card FiE 52-1836.

**Adjustment to military life.**

MP, USA, 1954. 18 min, sd, b&w.  
Order no. MF 45-8288.

A veteran sergeant, who is shocked at the ineptness of his trainee platoon, reminisces about his own development from a newly inducted recruit into a well-trained soldier.

Borrow from USA. Cleared for TV. LC card FIE 54-411.

**Adjustments after check flight.**

MP, USOE, 1944. 19 min, sd, b&w  
(Aircraft work series. Aircraft maintenance) Order no. OE 261.  
With instructor's manual.

Causes of nose-heaviness, tail-heaviness, yawing, torque tendency, rough propeller, and ground looping; how to determine the particular causes of these troubles and make necessary adjustments.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-272.

**Adjustments after check flight.**

FS, USOE, 1944. 47 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 261-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-274.

**Administration of military justice and courts-martial.**

MP, USA, 1943. 45 min, sd, b&w.  
Order no. TF 15-992.

Describes military justice and court-martial procedure through an individual case of desertion and the subsequent capture, imprisonment, and trial.

Buy from UWF. LC card FIE 52-157.

**The Admiralty Islands.**

MP, USA, 1949. 16 min, sd, b&w.  
(Historical reports series) Order no. HR-A-8.

Historical report of the capture of the Admiralty Islands north of New Guinea by the American 1st Cavalry Division during World War II.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1686.

**Adult education.**

MP, USA-CAD, 1950. 22 min, sd, b&w.

Portrays evening classes being held in Bryant School, Woodside, Long Island, N. Y., and explains the benefits derived by adults who attend such evening schools in the United States. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1968.

**Advance base waterfront construction: Timber piers.**

MP, USN, 1953. 18 min, sd, b&w.  
Order no. MN 7488-a.

Demonstrates the construction of a timber pier including the planning, methods, tools, and equipment which are required.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-163.

**Advanced typing: Duplicating and manuscript.**

MP, USN, 1943. 26 min, sd, b&w.  
Order no. MN 1512-d.

How to make masters for duplicating machine use; correct mistakes on a stencil when using hectograph ribbons or carbon; use an electromatic hectograph machine and various other types of duplicating machines; and type manuscripts with footnotes.

Buy from UWF. LC card FIE 52-69.

**Advanced typing: Shortcuts.**

MP, USN, 1943. 35 min, sd, b&w.  
Order no. MN 1512-c.

How to use tab stops, tab bar, and decimal tabulator key; handle carbon packs; make erasures; insert missing words and letters; remove extra words and letters; type cards, envelopes, and labels; and draw vertical and horizontal lines.

Buy from UWF. LC card FIE 52-70.

**Advancing air navigation: The CAA program.**

FS, USCAA, 1949. 89 fr, color with disc: 16 in, 33 1/3 rpm, 28 min. Order no. CA 17.

Explains the system of air navigation and air traffic control aids



prepared by the Civil Aeronautics Administration, including very high frequency omnidirectional radio range, low frequency omnidirectional radio range, instrument landing system, slope line approach lighting system, offset course computer, distance measuring equipment, precision approach radar, and surveillance radar.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 53-842.

**Adventure in Sardinia.**

MP, USECA, 1950. 20 min, sd, b&w.

Reviews the principal steps in the anti-malaria campaign conducted in Sardinia during 1946-50 by the the United Nations Relief and Rehabilitation Administration, the Rockefeller Foundation, and the Economic Cooperation Administration. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-566.

**Adventures of Junior Raindrop.**

MP, USDA, 1948. 8 min, sd, color. With teacher's guide.

An animated cartoon, prepared primarily for school use, of a raindrop's visit to earth, showing that raindrops, like children, can become delinquent when their welfare is neglected. Through "live-action" scenes portrays the results of poor and good watershed management.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-377.

**Aedes aegypti control.**

MP, USPHS, 1946. 18 min, sd, b&w. (Dengue and yellow fever control series) Order no. 4-011.1. With film guide.

Shows inspection processes in dengue and yellow fever control; describes the habitat and life cycle of *A. aegypti* mosquito, the inspector's work, his equipment, inspections, and report, and follow-up of the report, including the duties of clean-up and mari-

time crews, and the location and treatment of heavy foci.

Borrow from USPHS-CDC. LC card FIE 52-2266.

**Aerial delivery containers. Part 1: Loading and dispatching.**

MP, USA, 1949. 34 min, sd, b&w. Order no. TF 31-1525.

Shows how to load and dispatch containers used for large and small planes in supplying airborne units.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1582.

**Aerial freight delivery series.**

Cargo dropping

Cargo retrieving

Cargoing and loading

**Aerial map reading.**

MP, USN, 1944. 23 min, sd, b&w. (Navigation series) Order no. MN 83-m.

Explains how to read aerial maps and use landmarks and features in finding a position. Briefly touches on changing seasons, features to look for at sea, night flying, and flying when lost. Plots a course from Corpus Christi to Sabine Pass, and determines ETA (estimated time of arrival) using landmarks in the demonstration. Borrow from USCAA film libraries. LC card FIE 54-280.

**Aerial navigation: Airways flying.**

MP, USAF, 1942. 28 min, sd, b&w. Order no. TF 1-328.

Describes Civil Aeronautics Authority traffic rules covering contact and instrument flying and recommends procedures to follow when navigation instruments fail.

Borrow from USCAA film libraries. LC card FIE 53-432.

**Aerial navigation: Dead reckoning procedure.**

MP, USAF, 1942. 26 min, sd, b&w. Order no. TF 1-326.

Demonstrates the procedure involved in a typical navigation



training mission by dead reckoning, and explains the use of the various instruments.

Borrow from USCAA film libraries. LC card FIE 54-105.

**Aerial navigation: Maps and the compass.**

MP, USAF, 1943. 13 min, sd, b&w. Order no. TF 1-245.

Describes the Mercator, Lambert-conformal, gnomonic, and polyconic projections of the earth's surface as used in aerial navigation; and portrays the functions, characteristics, and errors of the magnetic compass.

Borrow from USCAA film libraries. LC card FIE 54-221.

**Aerial navigation: Radio aids.**

MP, USAF, 1942. 28 min, sd, b&w. Order no. TF 1-327.

Shows the various radio aids available to the pilot and navigator, including radio range station, radio compass, and use of general radio equipment; and describes methods of quadrant identification.

Borrow from USCAA film libraries. LC card FIE 53-433.

**Aerial navigation: Radius of action.**

MP, USAF, 1942. 10 min, sd, b&w. Order no. TF 1-330.

Describes the solutions to three problems in radius of action navigation--returning to same base, moving base, or alternate base.

Borrow from USCAA film libraries. LC card FIE 54-106.

**Aerial navigation: Radius of action returning to alternate or moving base.**

FS, USAF, 1942. 16 fr, b&w. Order no. FS 1-68.

Presents and solves through the development of a factor diagram a problem concerning radius of action returning to alternate base. Explains the effect of changes in data upon the problem solution.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1912.

**Aerial navigation: Radius of action returning to same base.**

FS, USAF, 1942. 17 fr, b&w. Order no. FS 1-67.

Defines radius of action; explains the factors determining radius of action; and demonstrates mathematical formulas used in plotting radius of action returning to same base.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1911.

**Aerial navigation series.**

Aerial sextant, type A-7

Air swinging and curve data for the SCR-269-ACG

Celestial instruments. Part 2: Aerial sextants

Celestial sphere and time. Part 2: Celestial sphere

Dead reckoning instruments. Part 1: Driftmeters

Elementary dead reckoning. Part 1: Earth's surface

Interpretation of a single "lop"

Operation of the astro-compass

Radio navigation. Part 1: Introduction and aids to radio navigation

Radio navigation. Part 3: Radio bearings

Secondary uses of the astro-compass

**Aerial photography. Part 1: Introduction to aerial camera types.** MP, USAF, 1940. 9 min, sd, b&w. Order no. TF 1-138.

Shows the K3B, K7C, and K12 aerial cameras, and demonstrates how to prepare the aerial cameras for a mission.

Borrow from USCAA film libraries. LC card FIE 53-441.

**Aerial sextant, type A-7.**

FS, USAF, 1944. 43 fr, b&w. (Aerial navigation series.) Order no. FS 1-412.

Describes the construction of the A-7 sextant and tells how to operate and care for it.

Borrow from USCAA film libraries. LC card FIE 53-1009.



**Aerial traffic patterns.**

FS, USAF, 1942. 47 fr, b&w.  
Order no. FS 1-70.

Depicts the aerial traffic patterns used by the U.S. Army Air Forces in its pilot training program.

Borrow from USCAA film libraries. LC card FIE 53-1026.

**Aerial tramway.**

MP, USA, 1951. 20 min, sd, b&w.  
Order no. MF 7874.

Shows the construction and operation of an aerial tramway to eliminate "bottlenecks" at landings where supplies for the Army are loaded and unloaded.

Buy from UWF. Cleared for TV. LC card FIE 54-240.

**Aerobee.**

MP, US Defense, 1951. 7 min, sd, b&w. Order no. AFSR 135. On same reel with film, Independence Day, 175th anniversary.

Explains how knowledge of the stratosphere has been increased through research conducted with the rocket missile, the "aerobee."

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-308.

**Aerodynamics.**

FS, USAF, 1942. 59 fr, b&w.  
Order no. FS 1-8.

Describes the motion of air and the force it exerts upon moving solids; explains the way in which turbulence and skin friction oppose useful dynamic reaction.

Buy from UWF. LC card FIE 52-1903.

**Aerodynamics: Air flow.**

MP, USAF, 1941. 18 min, sd, b&w.  
Order no. TF 1-160.

Explains turbulence and skin friction through the visualization of smoke flowing over solids of different shapes and forms. Also defines, through the use of smoke streams, angle of attack, point of stall, drag, and lift.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1478.

**Aerodynamics: Forces acting on an air foil.**

MP, USAF, 1941. 27 min, sd, b&w.  
Order no. TF 1-161.

Theory and principles of the forces acting on airfoils; lift, drag, angle of attack, and wing chord; development and use of wind tunnels to measure forces on a wing form; relationship between lift, drag, wing area, wind velocity, thrust, and weight.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1479.

**Aerology.**

FS, USN, 1943. 91 fr, b&w. (Navy quiz, no. 2) Order no. SN 2542-b.

Explains basic cloud shapes and presents multiple choice questions dealing with the type and meaning of cloud shapes at various altitudes, meaning of weather symbols, and other subjects relating to aerology.

Borrow from USCAA film libraries. LC card FIE 54-757.

**Aerology series.**

Air masses and fronts

The cold front

\*Flying the weather map

Fog

Fog and low stratus clouds

Ice formation on aircraft

The occluded fronts

Thunderstorms

The warm front

Weather and radar

**Aerology (thunderstorms) Part 1:**

Formation and structure of thunderstorms. MP, USN, 1953.

17 min, sd, b&w. Order no. MN 7409-a.

Explains the relationship of moist air, heat, and conditionally unstable air; conditions for frontal types of storms and their frequency; and the structure of thunderstorms.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-145.

**Aerology (thunderstorms) Part 2:**

Flight techniques with respect to thunderstorms.



MP, USN, 1953. 15 min, sd, b&w.  
Order no. MN 7409-b.

Demonstrates essential flight techniques with respect to thunderstorms, and discusses desirable airspeeds for penetration, desirable altitudes, methods of storms, detection of storms, techniques of plane control, flight through hail, and landing procedures.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-146.

**Aeromedical evacuation.**

MP, USAF, 1953. 38 min, sd, b&w.  
Order no. TF 1-4833.

Shows the many details behind the scene necessary to bring wounded personnel back to the United States and to hospitals near their homes. Explains the function of the Military Air Transport Service.

Borrow from USAF. Cleared for TV. LC card FIE 55-116.

**African trypanosomiasis.**

MP, USN, 1951. 16 min, sd, color.  
Order no. MN 6839.

Explains the etiology, epidemiology, symptomatology, diagnosis, treatment, prognosis, prevention, and control of African trypanosomiasis (sleeping sickness). Primarily for medical personnel.

Borrow from USN or USN-BuMed. Buy from UWF. Cleared for TV. LC card FIE 53-85.

**The aggressor force.**

MP, USA, 1950. 26 min, sd, b&w.  
Order no. TF 30-1543.

Portrays U.S. soldiers acting as the "aggressor force" in troop maneuvers and a tactical operation to free a town from this aggressor force.

Borrow from USA. Cleared for TV. LC card FIE 55-127.

**'Aghaa' hits' ááááá ááááá.**

MP, USBIA, 1949. 20 min, sd, color. Navaho language version of motion picture with the title, More money from wool.

Shows how to hand shear and prepare wool for market under

reservation conditions, and how to increase one's income from wool by improved handling methods.

Buy from USBIA. LC card FIE 52-787.

**Agriculture then and now.**

FS, USDA, 1953. 101 double fr, b&w. Order no. 707.

Contrasts various phases of agriculture in the United States 50 years ago with those of today (1953).

Buy from PhotoLab. LC card FIE 53-1041.

**Agua, amiga o enemiga.**

MP, USOIAA, 1943. 10 min, sd, color. Spanish version of motion picture with the title, Water, friend or enemy.

Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.

Buy from USHAA. Cleared for TV. LC card FIE 52-523.

**A agua: nosso amigo ou inimigo.**

MP, USOIAA, 1943. 10 min, sd, color. Portuguese version of motion picture with the title, Water, friendly or enemy.

Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.

Buy from USHAA. Cleared for TV. LC card FIE 52-524.

**Aguas turbias.**

MP, USDA, 1940. 9 min, sd, b&w. Spanish version of motion picture with the title, Muddy waters.

Shows how overgrazing and other land abuses in the Southwest have depleted the vegetation and left the land barren and subject to floods and erosion. Emphasizes the need for soil conservation.

Buy from UWF. LC card FIE 52-413.



**Ahead of 'em all.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of cabbage. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-646.

**Aids and gaits.**

MP, USA, 1942. 39 min, sd, b&w. (Horsemanship series, no. 3) Order no. TF 2-602.

Explains various types of movements of the horse, and means used to control the horse and obtain these movements.

Borrow from USA. Buy from UWF. LC card FIE 52-1492.

**Aids to navigation series**

Buoys and beacons  
How to use navigational aids  
Lighthouses and lightships

**Air brakes: Principles of operation.**

MP, USA, 1944. 25 min, sd, b&w. Order no. TF 9-2064.

Explains the function of each unit in an air brake system, and traces the compressed air routes.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1541.

**Air chaplain.**

MP, USAF, 1949. 17 min, sd, b&w. Order no. SFP 234.

Shows the relationship existing between Air Force chaplains and personnel, and gives examples of the activities of the chaplains.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1423.

**Air defense.**

MP, USAF, 1952. 26 min, sd, b&w. Order no. SFP 271.

Explains the air defense system in the United States and shows, through a simulated attack by an enemy bomber, use of a radar network, plotting of the flight of the unidentified plane at a control center, sending of air raid warn-

ings, spotting of the plane by air and ground observers, and destruction of the bomber by interceptor planes.

Borrow from USAF or USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-1453.

**Air Force digest no. 1.**

MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-1.

Shows various U.S. Air Force activities, including the effects of foreign matter in jet engines, a mobile communications squadron in Europe, training of Greek flyers by NATO, and the ME 163 rocket-powered interceptor.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card no. FIE 53-520.

**Air Force digest no. 2.**

MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-2.

Shows various U.S. Air Force activities, including Sabre jets shooting down MIG's in Korea, equipment being dropped from C-119's, servicing of B-36's in England, and development of the helicopter.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card no. FIE 53-521.

**Air Force digest no. 3.**

MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-3.

Shows various U.S. Air Force activities, including a mosquito team marking an enemy position with flares for location by jet bombers, a crew training with jet bombers, a monkey and mice being sent in a rocket for testing purposes, and a new firefighting suit.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 53-522.

**Air Force digest no. 4.**

MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-4.

Shows various U.S. Air Force activities, including thunder jets in Korea, an air show, and old-



type planes bombing old ships.  
Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 53-523.

**Air Force digest no. 5.**  
MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-5.  
Shows various U.S. Air Force activities, including aviation cadet training in South Korea, use of night flares, jet airplanes in plastic casings, and the use of cameras inside of planes to record the ditching of a plane.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 53-524.

**Air Force digest no. 6.**  
MP, USAF, 1953. 15 min, sd, b&w. Order no. AFD 1-6.  
Shows various U.S. Air Force activities, including participation with the Army and Navy in a parachute drop, Air Force personnel bobsledding at an Alpine resort, and airmen learning Judo in Japan.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 53-525.

**Air Force digest no. 7.**  
MP, USAF, 1953. 14 min, sd, b&w. Order no. AFD 1-7.  
Shows Air Force personnel on leave at a mountain resort in Alaska, sports car races at McDill Air Force base, an air evacuation demonstration, and the U.S. Air Force Service Cadet training program of 1917.

Borrow from USAF. Cleared for TV. LC card FIE 53-611.

**Air Force digest no 8.**  
MP, USAF, 1953. 14 min, sd, b&w. Order no. AFD 1-8.  
Shows various Air Force activities including parachute jumping; the use of a "nuts and bolts-mobile" in a maintenance area; the last of propeller-driven planes to be flown in combat replaced by jets; and the DH-4, a World War I bomber-observation plane.

Borrow from USAF. Cleared for TV. LC card FIE 54-384.

**Air Force digest no. 9.**  
MP, USAF, 1953. 14 min, sd, b&w. Order no. AFD 1-9.  
Shows B-26's in a bombing raid; WAF's seeing Paris; a competition of model planes; and the maiden flight of the B-19 in 1941.

Borrow from USAF. Cleared for TV. LC card FIE 53-612.

**Air Force digest no. 10.**  
MP, USAF, 1954. 15 min, sd, b&w. Order no. AFD 1-10.  
Shows various Air Force activities including the 3rd Air Rescue Squadron in Korea, use of dogs in security patrols in Europe, mechanics in school at Amarillo Air Force Base studying to become B-47 experts, and U.S. Air Service support of the 1920 air races.

Borrow from USAF. Cleared for TV. LC card FIE 54-385.

**Air Force digest no. 11.**  
MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-11.  
Shows various Air Force activities including an early attempt to use a mother plane to carry smaller aircraft, kids' day at Air Force bases, worship in chapels at Air Force bases, and the uses of parachute in the 19th century.

Borrow from USAF. Cleared for TV. LC card FIE 54-386.

**Air Force digest no. 12.**  
MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-12.  
Shows various Air Force activities including gathering data on hurricanes, operations of a military bakery in Germany, opportunities in the WAF, and use of a transonic wind tunnel.

Borrow from USAF. Cleared for TV. LC card FIE 54-387.

**Air Force digest no. 13.**  
MP, USAF, 1954. 15 min, sd, b&w. Order no. AFD 1-13.  
Shows various U.S. Air Force activities including jets intercepting enemy planes in a mock attack; school children at lunch in Germany; aerial photography



in Korea; and the Air Force jet plane, the F-100.

Borrow from USAF. Cleared for TV. LC card FIE 55-55.

**Air Force digest no. 14.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-14.

Shows various U.S. Air Force activities, including Air Force nurses in training; a time-saving idea put into operation; the Air Force transporting German children on a vacation; and work of the Air Research and Development Command at Wright-Patterson Air Force Base.

Borrow from USAF. Cleared for TV. LC card FIE 55-56.

**Air Force digest no. 15.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-15.

Shows various U.S. Air Force activities, including training of foreign students at U.S. Air Force bases; building maintenance covering for RB-47's; the Civil Air Patrol; and unusual planes of the 1930's.

Borrow from USAF. Cleared for TV. LC card FIE 55-57.

**Air Force digest no. 16.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-16.

Shows various U.S. Air Force activities, including searching for a downed plane in Panama; basic training at Lackland Air Force Base; study of insects in Korea; and a flight in 1952 of two helicopters from the United States to Germany.

Borrow from USAF. Cleared for TV. LC card 55-60.

**Air Force digest no. 18.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-18.

Shows various U. S. Air Force activities, including refresher training at Wheeler Gunnery Camp in Tripoli; use of powdered milk at Peppercell Air Force Base; Air Force personnel using radar in Hawaii; and contributions of various aircraft to aeronautical development.

Borrow from USAF. Cleared for TV. LC card FIE 55-58.

**Air Force digest no. 19.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. AFD 1-19.

Shows various U.S. Air Force activities, including a native child in Casablanca riding in an Air Force plane; maintaining a stock of aircraft parts; rescuing pilots downed in the Mediterranean Sea; the work of the WASPS (Women's Auxiliary Service Pilots) in World War II.

Borrow from USAF. Cleared for TV. LC card FIE 55-59.

**Air Force power.**

MP, US Defense, 1951. 9 min, sd, b&w. Order no. AFSR 133.

On same reel with film, Italy.

A pictorial record of a demonstration by the U.S. Air Force of planes, bombs, and rockets.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-307.

**Air Force review.**

MP, US Defense, 1949. 10 min, sd, b&w. Order no. AFSR 110.

On same reel with film, 7777th honor guard.

A pictorial review of the planes and activities of the U.S. Air Force.

Buy from UWF. Cleared for TV. LC card FIE 52-1650.

**Air Force special services.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 267.

Scenes of activities available for the entertainment and recreation of U.S. Air Force personnel.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1440.

**Air masses.**

FS, USN; 1942. 80 fr, b&w. Order no. SN 815.

Explains the formation of low and high pressure areas; discusses rain, the formation of ice, and the occurrence of radiation, advection, and upslope fogs.

Borrow from USCAA film libraries. LC card FIE 54-758.



**Air masses and fronts.**

MP, USN, 1943. 26 min, sd, color. (Aerology Series) Order no. MN 119-d.

Describes the troposphere, the formation of clouds, warm and cold fronts, and cyclones; explains the conditions responsible for different kinds of weather.

Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FIE 53-256.

**Air ocean.**

FS, USN, 1942. 70 fr, b&w. Order no. SN 814.

An elementary discussion of the nature of the earth's "air ocean" and the three atmospheric conditions which enable man to describe and forecast the weather in any place at any given time.

Borrow from USCAA film libraries. LC card FIE 54-759.

**Air of freedom.**

MP, USECA, 1951. 20 min, sd, b&w.

Shows the rebuilding of Berlin, the construction of the fair grounds, and the 1951 Berlin Trade Fair. Produced for European use.

Borrow from EFLA. Cleared for TV. LC Card FIE 53-579.

**Air pattern Pacific.**

MP, USAF, 1945. 42 min, sd, b&w. Order no. SFP 121.

Portrays the operations of the 13th U.S. Air Force during World War II, including bombing missions at Guadalcanal, rescues at sea, and the fight against malaria.

Borrow from USAF. LC card FIE 52-1454.

**Air pilotage.**

FS, USN, 1942. 70 fr, b&w. Order no. SN 810.

Explains how to read aeronautical maps and charts and how to plot a course between two points.

Borrow from USCAA film libraries. LC card FIE 54-760.

**Air power.**

MP, USAF, 1949. 18 min, sd, b&w. Order no. SFP 228.

Traces the history and development of the U.S. Army Air Forces

through World Wars I and II, and emphasizes its importance today. Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1424.

**Air power American.**

MP, USAF, 1952. 14 min, sd, color. Order no. SFP 274.

An animated film reviewing the history of air power, explaining its meaning to the people of the United States, and stressing the importance of the U.S. Air Force. Borrow from USAF. Cleared for TV. LC card FIE 52-2172.

**Air power and armies.**

MP, USAF, 1945. 60 min, sd, b&w. Order no. TF 1-3447.

Pictorial explanation of the role of air power in modern warfare and its specific relationship to land power. Describes the offensive and defensive use of aircraft, and the concepts of strategic and tactical air power. Analyzes the role of air power in the El Alamein campaign.

Borrow from USAF. LC card FIE 52-2190.

**Air progress.**

MP, USAF, 1949. 15 min, sd, b&w. Order no. SFP 246.

Record of an air progress demonstration presented by the U.S. Air Force in 1949, including exhibits portraying historical developments and scenes of modern planes in flight.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1428.

**Air science in action.**

MP, USAF, 1953. 14 min, sd, b&w. Order no. SFP 279.

Explains the activities of the Air Research and Development Command of the U.S. Air Force and the cooperative efforts of civilian science, government research, and military research.

Borrow from USAF. Cleared for TV. LC card FIE 54-389.

**Air slugs.**

MP, USAF, 1947. 22 min, sd, b&w. Order no. SFP 175.

A documentary record of the bombing of the Ploesti oil fields



and refineries by the U. S. 15th Air Force during World War II. Includes scenes taken from captured German films of the damage caused by the bombing.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1452.

Air start check valve, cylinder relief valve, and indicator cock. MP, USN, 1944. 13 min, sd, b&w. (Fairbanks Morse Diesel engine maintenance series. Benchwork) Order no. MN 3691-g.

How to, disassemble and reassemble the air start check valve, cylinder relief valve, and the indicator cock; and test the cylinder relief valve.

Buy from UWF. LC card FIE 52-1155.

Air swinging and curve data for the SCR-269-ACG.

FS, USAF, 1944. 34 fr, b&w. (Aerial navigation series) Order no. FS 1-657.

Tells how to determine (using the method of "air swinging") the radio compass deviations for a particular aircraft, and how to plot these values as a curve to give the compass deviation corrections for any heading.

Borrow from USCAA film libraries. LC card FIE 53-999.

Air traffic services.

MP, USAF, 1945. 20 min, sd, b&w. Order no. SFP 207.

Explains the use of AACS (Airways and Air Communications System) and Loran by the U. S. Air Force in the Pacific, and shows oceanic air traffic directing the planes over the sea.

Borrow from USAF. Cleared for TV. LC card FIE 55-103.

The airborne magnetometer.

MP, USGS, 1952. 24 min, sd, b&w.

Explains briefly and in nontechnical language how the earth's magnetic field is utilized in prospecting. Describes the airborne equipment developed to detect changes in the earth's magnetic

field and shows how this equipment is used.

Borrow from USCAA film libraries or USGS. Cleared for TV. LC card FIE 52-2023.

The airborne magnetometer.

MP, USGS, 1952. 34 min, sd, b&w.

Covers same material as in shorter version with the same title.

Borrow from USCAA film libraries or USGS. LC card FIE 52-2022.

Aircraft alighting gear: Inspection of alighting gear.

MP, USAF, 1942. 10 min, sd, b&w. Order no. TF 1-515.

Explains the inspection routine applicable to any type tricycle landing gear.

Borrow from USCAA film libraries. LC card FIE 53-417.

Aircraft alighting gear: Maintenance of alighting gear.

MP, USAF, 1942. 12 min, sd, b&w. Order no. BF 1-516.

Demonstrates checking and filling hydraulic systems on the tricycle landing gear.

Borrow from USCAA film libraries. LC card FIE 53-416.

Aircraft engine and navigation instruments: 50 hour inspection.

MP, USAF, 1943. 22 min, sd, b&w. Order no. TF 1-799.

Demonstrates procedures for the 50-hour inspection of instruments in a B-17 airplane.

Borrow from USCAA film libraries. LC card FIE 53-400.

Aircraft engine operation.

FS, USAF, 1942. 67 fr, b&w. Order no. FS 1-72.

Gives procedures for starting up, warming up, ground testing, and stopping aircraft engines.

Buy from UWF. LC card FIE 52-1916.

Aircraft engine pumps.

FS, USAF, 1942. 38 fr, b&w. Order no. FS 1-60.

Explains the construction, operation, and maintenance of coolant,



oil, fuel, and vacuum pumps in an airplane; and the mechanism and function of the relief valve.

Buy from UWF. LC card F1E 52-1917.

**Aircraft engine repairs: Classification of engine types.**

FS, USAF, 1942. 34 fr, b&w. Order no. FS 1-9.

Explains methods of classifying aircraft engines as to type: in-line, V-type, double V-type, X-type, opposed, and radical.

Buy from UWF. LC card F1E 52-1904.

**Aircraft engine troubles: General.**

FS, USAF, 1942. 56 fr, b&w. Order no. FS 1-66.

Describes common engine troubles in the compression and ignition systems; causes of improper compression; and ignition troubles caused by defective spark plugs.

Buy from UWF. LC card F1E 52-1909.

**Aircraft engine troubles: Starting.**

FS, USAF, 1942. 62 fr, b&w. Order no. FS 1-82.

Difficulties in starting aircraft engines related to cold weather, carburetor, compression, ignition, and starter; and methods of overcoming such difficulties.

Buy from UWF. LC card F1E 52-1910.

**Aircraft engines series.**

**Carburetion**

Elements of electricity as applied to ignition systems

Types, mechanisms, and oiling systems

**Aircraft instrumenter: Tachometer repair.**

MP, USAF, 1943. 30 min, sd, b&w. Order no. TF 1-770.

Shows how to disassemble and assemble the chronometric type C-7 tachometer and explains the function of its important parts.

Borrow from USCAA film libraries. LC card F1E 53-401.

**Aircraft lubricants and lubricating equipment.**

FS, USN, 1944. 26 fr, b&w. Order no. SN 1969.

Shows various types of lubricants and equipment used in airplane maintenance.

Buy from UWF. LC card F1E 52-1766.

**Aircraft maintenance series.**

See Aircraft work series. Aircraft maintenance.

**Aircraft quarantine.**

MP, USPHS, 1947. 15 min, sd, color. Order no. 4-045.

Stresses the danger of the entrance of disease vectors into the U.S. by international air transportation. Outlines combative measures used before the arrival of passengers; quarantine inspection after arrival; and periodic checks for vectors which may have escaped from landing planes.

Borrow from USPHS-CDC. LC card F1E 53-182.

**Aircraft storage batteries.**

FS, USAF, 1942. 54 fr, b&w. Order no. FS 1-17.

Describes types of batteries used on airplanes, and their operating principles. Explains the function of the container, plates, separators, electrolyte, vents, and terminals. Describes methods of charging and testing.

Buy from UWF. LC card F1E 52-1905.

**Aircraft tachometers.**

FS, USAF, 1943. 65 fr, b&w. Order no. FS 1-553.

Explains the principles of operation, maintenance, and points of installation of the four basic types of tachometers (chronometric, centrifugal, electric voltmeter, and electric magnetic drag) in general use by the U.S. Army Air Forces in 1943.

Borrow from USCAA film libraries. LC card F1E 53-1001.



**Aircraft tires. Part 1: Maintenance and repair.**

FS, USN, 1942. 35 fr, b&w. Order no. SN 491-a.

Shows the types of tires, tubes, and rims; tire tools; how to make minor tube repairs; and the importance of periodic inspection and proper inflation.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1865.

**Aircraft tires. Part 2: Maintenance and repair.**

FS, USN, 1942. 57 fr, b&w. Order no. SN 491-b.

Demonstrates procedures in demounting, repairing, and remounting tires.

Borrow from USCAA film libraries. LC card FIE 54-761.

**Aircraft welding.**

MP, USN, 1942. 18 min. sd, b&w. Order no. MN 92.

Demonstrates the proper method of setting up the welding apparatus, lighting the torch, different types of flames, and the effect of each on steel. Shows how to make ripples and beads, and also how to turn off, care for, and put away the welding apparatus.

Borrow from USCAA film libraries. LC card FIE 54-270.

**Aircraft work series.**

Tube bending by hand

**Aircraft work series. Aircraft maintenance.**

Adjustments after check flight

Attaching and aligning wings

Connecting and adjusting controls

Inspecting and adjusting hydraulic brakes

Installing and aligning tail surfaces

Installing landing gear

Making sheet metal repairs

Patching fabric

Patching plywood

Repairing a wooden rib

Repairing aircraft tires

Repairing and relining mechanical brakes

Repairing structural tubing

Splicing a wooden spar

**Aircraft work series. Assembling and riveting, nos. 1-9**

Assembling in a jig: Fitting and lining up

Assembling in a jig: Drilling and riveting

Drilling with portable drill motors

Dimpling and countersinking

Driving and bucking rivets

Removing defective rivets

Squeeze riveting: Stationary and portable riveters

Blind riveting

Spot welding

**Aircraft work series. Blanking sheet metal, nos. 1-4**

Blanking sheet metal on the squaring shear

Blanking sheet metal with hand snips

Blanking with the swing arm router

Blanking with rotary and high speed shears

**Aircraft work series. Control cables, nos. 1-3**

Making a wrapped and soldered splice

Making a five tuck splice

Swaging cable terminals

**Aircraft work series. Finishing**  
Using a portable spray gun

**Aircraft work series. Forming sheet metal, nos. 1-8**

Forming with rubber on the hydraulic press

Forming on rotary machines

Forming on a hand operated brake

Finish forming by hand

Forming with a drop hammer

Forming on the stretching machine

**Aircraft work series. Inspection nos. 1-5**

Inspection of sheet metal parts

Inspection of minor assemblies

Inspection of plumbing and piping

Inspection of threads

Hardness testing: Rockwell

**Aircraft work series. Metal fabrication**

Fabricating metal aircraft



**Aircraft work series. Power plant maintenance**

Disassembling the engine  
 Engine change: Installation  
 Engine change: Removal  
 Inspecting and reconditioning piston assembly  
 Inspecting and reconditioning valve assembly  
 Overhauling camshaft assembly and crankcase section  
 Overhauling crankshaft assembly  
 Overhauling the carburetor  
 Reassembling the engine  
 Removing and inspecting cylinders  
 Servicing a propeller  
 Servicing and timing magnetos  
 Servicing spark plugs and ignition wiring  
 Trouble shooting problems: Fuel induction  
 Trouble shooting problems: Ignition  
 Trouble shooting problems: Mechanical and lubrication

**Aircraft work series. Preventive maintenance**

The airplane mechanic  
 Periodic inspection: Airplane  
 Periodic inspection: Engine  
 Preflight inspection: Airplane  
 Preflight inspection: Engine  
 Servicing an airplane

**Aircraft work series. Templates, nos. 1-5**

Making a master contour template  
 Making a master developed layout, part 1  
 Making a master developed layout, part 2; and making the form block  
 Sawing template metal  
 Filing template metal

**Aircraft work series. Wood fabrication, nos. 1-6**

Building a wooden rib  
 Building a box beam spar  
 Laying out and forming plywood wing assembly: The nose section  
 Wing assembly: The inboard panel  
 Wing assembly: The bow tip

**Aircrewmen of the Navy.**

MP, USN, 1944. 15 min, sd, b&w.  
 Order no. MN 3550.

Emphasizes the advantages and importance of naval air gunnery training, and shows how a pilot and his crew live and practice together aboard a carrier.

Buy from UWF. LC card F1E 52-1139.

**Airplane cockpit instruments and controls. Part 1: Primary.**

FS, USAF, 1943. 44 fr, b&w.  
 Order no. FS 1-377.

Gives the name, function, and location of the cockpit instruments in the primary trainer (PT-19A) used by the U.S. Army Air Forces. Borrow from USCAA film libraries. LC card F1E 53-1011.

**Airplane cockpit instruments and controls. Part 2: BT-13A basic trainer.**

FS, USAF, 1943. 40 fr, b&w.  
 Order no. FS 1-321.

Deals with the names, functions, and locations of cockpit instruments in the BT-13A basic trainer.

Borrow from USCAA film libraries. LC card F1E 53-1015.

**Airplane cockpit instruments and controls. Part 3: Advanced single engine.**

FS, USAF, 1943. 34 fr, b&w.  
 Order no. FS 1-378.

Gives the name, function, and location of the cockpit instruments in the advanced single engine trainer (AT-6) used by the U.S. Army Air Forces.

Borrow from USCAA film libraries. LC card F1E 53-1010.

**The airplane engine.**

FS, USN, 1943. 33 fr, b&w. Order no. SN 2779.

Explains briefly the basic principle of operation of all internal combustion gasoline engines, and the principle of four-stroke cycle operation.

Borrow from USCAA film libraries. LC card F1E 54-762.



**Airplane flight control surfaces and wing flaps.**

FS, USAF, 1942. 65 fr, b&w. Order no. FS 1-29.

Shows and explains the location, construction, and operation of primary and secondary control surfaces of an airplane; and the types, construction, and operation of wing flaps and slots.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1920.

**Airplane hydraulic brakes: Brake adjustment, Hayes and Goodyear brakes.**

MP, USAF, 1942. 17 min, sd, b&w. Order no. TF 1-307.

Shows proper steps for adjusting and testing the Hayes and Goodyear brakes.

Borrow from USCAA film libraries. LC card FIE 53-436.

**Airplane hydraulic brakes: Principles of operation.**

MP, USAF, 1942. 20 min, sd, b&w. Order no. TF 1-162.

Explains the need for brakes on modern airplanes, basic principles of the brake, and the differences between the integral or power-operated brakes used on large planes and the manually-operated brakes used on small planes.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1470.

**Airplane hydraulic brakes: Types, construction, and action.**

MP, USAF, 1942. 31 min, sd, b&w. Order no. TF 1-305.

Principles of operation and parts of the Bendix single and duo servo brakes; Hays single shoe, single and duo servo; single and double expander tube brakes; and Goodyear disc type brakes.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1471.

**Airplane hydraulic systems. Part 1: BC-1 airplane.**

MP, USAF, 1941. 13 min, sd, b&w. Order no. TF 1-174.

Illustrates hydraulic systems as applied to the retractable landing

gear, the brakes, and the variable pitch propeller. Explains pumps, reservoirs, special valves, operating levers, and their specific application to the BC-1 plane.

Borrow from USCAA film libraries. LC card FIE 53-440.

**Airplane ignition.**

FS, USN, 1942. 62 fr, b&w. Order no. SN 800.

Shows the basic operating principles and maintenance of the ignition system.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1877.

**The airplane mechanic.**

MP, USOE, 1945. 9 min, sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 278. With instructor's manual.

Duties, skills, and responsibilities of an airplane mechanic.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-92.

**The airplane mechanic.**

FS, USOE, 1945. 44 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 278-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2604.

**Airplane propellers, Hamilton constant speed: Removal and disassembly.**

MP, USAF, 1942. 20 min, sd, b&w. Order no. TF 1-286.

Shows in detail how to remove the Hamilton constant speed propeller from the plane and disassemble it for inspection and repair.

Borrow from USCAA film libraries. LC card FIE 53-437.

**Airplane propellers: Hamilton hydromatic, propeller installation.**

MP, USAF, 1942. 13 min, sd, b&w. Order no. TF 1-455.

Demonstrates the proper method



of preparing the propeller shaft and mounting the propeller.

Borrow from USCAA film libraries. LC card F1E 53-428.

**Airplane propellers: Hamilton hydromatic, reassembly and adjustment.**

MP, USAF, 1942. 44 min, sd, b&w. Order no. TF 1-454.

Demonstrates the step-by-step procedure in assembling the propeller components, and emphasizes use of proper tools, guide marks, and tolerance permissible.

Borrow from USCAA film libraries. LC card F1E 53-429.

**Airplane propellers: Hamilton hydromatic, servicing.**

MP, USAF, 1942. 8 min, sd, b&w. Order no. TF 1-453.

Demonstrates the step-by-step procedure in dismantling, cleaning, and inspecting the hydromatic propeller.

Borrow from USCAA film libraries. LC card F1E 53-430.

**Airplane propellers: Hamilton hydromatic, theory and operation.**

MP, USAF, 1942. 17 min, sd, b&w. Order no. TF 1-451.

Outlines the operations in warming up, checking, taking off, climbing, cruising, landing, and stopping the Hamilton hydromatic propeller.

Borrow from USCAA film libraries. Buy from UWF. LC card F1E 52-1472.

**Airplane propellers, principles and types.**

MP, USAF, 1942. 17 min, sd, b&w. Order no. TF 1-246.

Explains reasons for varying size and number of blades on different aircraft, why a propeller is twisted, and why its angle is changed.

Borrow from USCAA film libraries. Withdrawn from sale in 1951. LC card F1E 53-438.

**Airplane structures: Control surfaces.**

MP, USAF, 1942. 7 min, sd, b&w. Order no. TF 1-214.

Explains construction, location, and functions of ailerons, rudders, tail flaps, wing flaps, vertical fins, elevators, and horizontal fins. Shows the covering of these surfaces with fabrics, and discusses the functions of the fixed and adjustable trim tabs.

Borrow from USCAA film libraries. LC card F1E 53-439.

**Airplane structures: Manufacturing methods.**

MP, USAF, 1942. 25 min, sd, b&w. Order no. TF 1-323.

Describes general manufacturing methods used in 1942 in the construction of military aircraft.

Borrow from USCAA film libraries. LC card F1E 53-143.

**Airplane structures series.**

Alighting gear

Fuselage construction

Structural units, materials, and loads for which designed

Wing construction

**Airplane structures: Static testing.**

MP, USAF, 1942. 12 min, sd, b&w. Order no. TF 1-312.

Shows laboratory methods used to test various component parts and control columns of aircraft submitted for checking against original specifications and design.

Borrow from USCAA film libraries. Withdrawn from sale in 1951. LC card F1E 53-435.

**Airplanes, their metals, fuels, and lubricants.**

MP, USBM, 1944. 37 min, sd, b&w. Order no. 211.

Tells a story of a group of boys interested in building model airplanes and how they learned about the metals used in constructing airplanes, the building of an all-cargo plane, the theory of flight and laws of aerodynamics, and the importance of lubricants in



the operation and maintenance of aircraft. Film ends with a competitive meet of model plane builders.

Borrow from USBM or USCAA film libraries. Cleared for TV. LC card FIE 52-689.

**Airport and airway traffic control procedure. Part 1: Preflight procedure.**

FS, USN, 1944. 52 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Instrument flight control series) Order no. SN 1059-ae.

Shows the methods used in airport and airway traffic control and the preflight actions to be taken by the pilot prior to making an instrument flight.

Borrow from USCAA film libraries. LC card FIE 54-763.

**Airport and airway traffic control procedure. Part 2: Enroute procedure.**

FS, USN, 1944. 49 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Instrument flight control series) Order no. SN 1059-af.

Shows what actions are taken by the pilot enroute, and explains how airway traffic control personnel keeps each flight posted and issues instructions to insure each flight a safe passage through the air during instrument weather conditions.

Borrow from USCAA film libraries. LC card FIE 54-764.

**Airways aids.**

FS, USN, 1943. 73 fr, b&w. Order no. SN 816.

Traces briefly the development of airways, markers, and beacons, and discusses some of the course lights, runway markers, and obstruction lights in use today (1943).

Borrow from USCAA film libraries. LC card FIE 54-765.

**Alaska.**

MP, US Defense, 1954. 21 min, sd, b&w. Order no. AFIF 59.

Discusses the historical background of Alaska, its current social, economic, and military

status, and its strategic significance as an Arctic outpost of the United States.

Borrow from USAF. Cleared for TV. LC card FIE 54-354.

**Aligning and installing auxiliary machinery.**

MP, USOE, 1944. 17 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 2) Order no. OE 96. With instructor's manual.

How to lay out foundations for machinery installation; drill bolt holes; establish centers of holes for drilling; and align machines accurately on foundations.

Buy from UWF. LC card FIE 52-218.

**Aligning and installing auxiliary machinery.**

FS, USOE, 1944. 42 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 2) Order no. OE 96-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2698.

**Alighting gear.**

MP, USAF, 1942. 10 min, sd, b&w. (Airplane structures series) Order no. TF 1-215.

Defines alighting gear, shows loads exerted, and explains principles of operation, component parts, and devices that warn pilots of alighting gear's position.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1482.

**Alliance for peace.**

MP, US Defense, 1952. 38 min, sd, b&w. Order no. MF 7925 or MA 7826.

Explains the background mission, and objectives of the Supreme Headquarters, Allied Powers, Europe, composed of the North Atlantic Treaty Organisation countries.

Borrow from USA; USAF, or USN. Buy from UWF. Cleared for TV. LC card FIE 52-2136.

**Along our shores.**

MP, USCG, 1945. 15 min, sd, color. Known also as The Coast Guard at war. Part 1: Along our shores.

Reviews the 1941-45 wartime activities of the U. S. Coast Guard within the continental limits and off the shores of the United States.

Borrow from USCG. LC card FIE 52-869.

**Alouette.**

MP, USDA, 1951. 2 min, sd, b&w. (Smokey Bear forest fire prevention, series 2--musical trailers--no. 2).

Animated cartoon, featuring the character Smokey Bear and the tune Alouette, emphasizing forest fire prevention. Prepared primarily for television.

Borrow from USFS. Rent from USDA Film Libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2148.

**Alternating current.**

FS, USAF, 1942. 50 fr, b&w. Order no. FS 1-86.

An elementary introduction to the principles of alternating current. Demonstrates and explains Lenz' law, simple wave alternator, frequency, effective value, voltage-current-time relationship, and power.

Buy from UWF. LC card FIE 52-1913.

**Altitude.**

FS, USN, 1943. 51 fr, b&w with disc: 16 in, 33 1/3 rpm, 27 min. (Instrument flight control series) Order no. SN 1059-d.

Explains types of altitude and air pressure; atmospheric pressure; pressure and density altitude; station and aircraft altimeter; pressure readings; and altimeter adjustments at various altitudes.

Borrow from USCAA film Libraries. Buy from UWF. LC card FIE 52-1889.

**Aluminum.**

MP, USOWI, 1942. 10 min, sd, b&w.

Shows the manufacture of aluminum--the importation of bauxite, its transmutation into alumina and aluminum sheeting, and use in war planes.

Buy from UWF. LC card FIE 52-769.

**Alveolectomy after multiple extraction of teeth.**

MP, USA, 1952. 6 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5217.

Shows teeth with advanced periodontal disease being extracted, and presents the conservative preparation of the alveolar ridge for dentures by demonstrating surgical procedures for establishing a ridge of uniform height with smooth even contours after multiple extraction of teeth. For dental personnel.

Borrow from USAFIP. LC card FIE 53-12.

**Alveolectomy and multiple pathology.**

MP, USA, 1952. 18 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5219.

Demonstrates problems in the removal of teeth from pathological bone and in the proper repair of ridge tissues. For dental personnel.

Borrow from USAFIP. LC card FIE 53-10.

**Alveolectomy in extraction of isolated teeth.**

MP, USA, 1952. 11 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5218.

Demonstrates the extraction of isolated teeth, and presents a method of ridge preparation for dentures with a minimal excision of the supporting alveolar bone. Shows a dental bridge being made. For dental personnel.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 53-11.



**Amalgam restoration.**

MP, USN, 1948. 13 min, sd, color.  
(Operative dentistry series, no. 4)  
Order no. MN 5369-d.

Shows method for trituration of amalgam by electrical means; removal of matrix, carving, and polishing of restoration. Explains reasons for use of various pluggers; dangers of contamination and improper handling; manual and mechanical condensation. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1383.

**The Amazon awakens.**

MP, USOIAA, 1944. 34 min, sd, color.

A documentary film of the Amazon River Basin, its history, industrial progress, natural resources, and possibilities for the future.

Rent from USOIAA film libraries. Buy from USOIAA. Cleared for TV. LC card FIE 52-491.

**Ambulance loading and unloading--the 3/4 ton 4x4 cross country ambulance.**

FS, USA, 1943. 29 fr, b&w. Order no. FS 8-78.

Illustrates the steps in loading and unloading of the 3/4 ton 4x4 cross country ambulance.

Borrow from USAFIP. LC card FIE 54-716.

**America hails Israel's Philharmonic Orchestra.**

MP, USIA, 1950. 10 min, sd, b&w.

Covers a visit to the United States by Israel's Philharmonic Orchestra, opinions of the orchestra members about the United States, and a New York performance of the orchestra under the direction of Leonard Bernstein. Prepared for overseas use.

Buy from UWF. LC card FIE 52-1391.

**America (My country 'tis of thee)**

FS, USDA, 1947. 27 fr, b&w.

Order no. 673. With lecture notes. Words and illustrative scenes of

the song. For 4-H club work.  
Buy from PhotoLab. LC card FIE 52-2828.

**American anniversary.**

MP, USA, 1949. 15 min, sd, b&w.  
Order no. OF 53.

Dramatized story of a young immigrant in America and of how he rose to a position of leadership in his factory and community.

Borrow from USA. Buy from UWF. LC card FIE 52-1721.

**An American farm.**

MP, USMSA, 1952. 68 min, sd, color.

Portrays the daily activities on a typical large farm in the United States, as seen through the eyes of a foreign visitor who is looking for the reasons for farm productivity and who concludes that high productivity is due to many factors, including individual initiative, family cooperation, and the services of Government agencies, farm organizations, and private industry.

Rent from selected USDA film libraries. Buy from USDA. LC card FIE 54-7.

**American farm home life.**

FS, USDA, 1946. 62 fr, b&w.  
Order no. 669. With lecture notes.

Gives a general picture of modern home life on American farms.

Buy from PhotoLab. LC card FIE 52-2871.

**American First Army: Aachen to the Roer River.**

MP, USA, 1948. 25 min, sd, b&w.  
(Historical reports series) Order no. HR-B-30.

Scenes of the American 1st Army's advance from Aachen to the Roer River in World War II. Covers activities of the 1st, 9th, 28th, 83rd, and 104th Divisions, and the 3rd Armored Division.

Borrow from USA. Buy from UWF. LC card no. FIE 52-1689.

**The American nautical almanac for the year 1948.**

FS, USN, 1943. 64 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min.



(Navigation series) Order no. SN 83-s.

How to use the almanac and apply the information obtained to determine the Greenwich hour angle of the planets Jupiter and Vega and the moon.

Buy from UWF. LC card FIE 52-1825.

**American newsboy.**

MP, USIA, 1951. 10 min, sd, b&w. Portrays an American boy taking over a newspaper route and learning the fundamentals of conducting a business. Contains scenes of the newspaper route and of the newsboy's home, and emphasizes cooperation in American families. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2207.

**American Ninth Army; Aachen to the Roer River.**

MP, USA, 1948. 31 min, sd, b&w. (Historical reports series) Order no. HR-B-29.

Scenes of the American 9th Army's advance from Aachen to the Roer River in World War II.

Borrow from USA. Buy from UWF. LC card no. FIE 52-1688.

**An American portrait.**

MP, USIA, 1951. 62 min, sd, b&w.

Dramatized portrayal of an American workman, a mechanic, and his advancement from job to job. By means of "flashbacks," shows why and how he changed jobs and the meaning of such changes to him and his family. Emphasizes his initiative and desire for a higher standard of living, and his achievement of success. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2209.

**American scene series, nos. 1, 4, 8-11, 13-14**

Swedes in America

Steel town

A better tomorrow

Freedom to learn

Northwest U. S. A.

The Library of Congress

Tuesday in November  
The Cummington story

**Americans all.**

MP, USOIAA, 1941. 25 min, sd, b&w.

An overview of the geography, history, and present development of the Latin American countries.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-726.

**Ames Aeronautical Laboratory in action.**

MP, USNACA, 1949. 28 min, sd, color.

Reviews developments in aeronautical research in the United States, particularly in the transonic and supersonic speed ranges; pictures wind tunnel and flight experiments conducted at the NACA Ames Aeronautical Laboratory at Moffett Field, California, including flight tests of jet-airplanes, and the research program on airplane de-icing.

Borrow from USNACA. LC card FIE 54-191.

**Ammunition supply point (ASP) operation.**

MP, USA, 1954. 25 min, sd, b&w. Order no. TF 9-1859.

Shows the operation of a typical U.S. Army ammunition supply point in the receipt and issue of ammunition, including the receipt of ammunition by rail, handling receipt of the ammunition by truck, issue of the ammunition to a using unit in the field, and the importance of reports in connection with stock inventories and surveillance missions.

Borrow from USA. Buy from UWF. LC card FIE 55-15.

**Amperes, volts, and ohms.**

MP, USN, 1945. 8 min, sd, b&w. (Radio technician training series. Elementary electricity) Order no. MN 1540-u.

Explains the meaning, relationship, and measurement of amperes, volts, and ohms.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-904.



**Amperes, volts, and ohms.**  
FS, USN, 1944. 23 fr, b&w. (Radio technician training series. Elementary electricity) Order no. SN 1540-au.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-905.

**The amphibious Marines.**

MP, USMC, 1952. 21 min, sd, b&w. Order no. MH 6778.

Portrays the history of the amphibious operations of the U. S. Marines from 1775 to 1952.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FIE 53-169.

**Amphibious warfare series.**

Medical support in ship to shore operations

**Amputation prostheses and their use. Part 1: Upper extremity.**

MP, USA, 1946. 30 min, sd, b&w. Order no. PMF 5024.

Emphasizes the importance of patients' preparing for prostheses and of training in their use. Shows steps in the making and fitting of prostheses for below elbow, above elbow, and shoulder amputations.

Borrow from USAFIP. LC card FIE 52-2226.

**Amputation prostheses and their use. Part 2: Lower extremity.**

MP, USA, 1946. 38 min, sd, b&w. Order no. PMF 5025.

Demonstrates the care used by an orthopedic mechanic in making and fitting prostheses for lower extremity cases. Stresses the importance of physical and occupational therapy.

Borrow from USAFIP. LC card FIE 52-2227.

**Amputations series, nos. 1-3.**

Guillotine amputation of the lower extremity

Revision and reamputation of the lower extremity

The upper extremity

**'Aná yaa yini' (ini).**

MP, USBIA, 1950. 13 min, sd, color. Navaho language version of motion picture with the title, The enemy of your eyes.

Shows the treatment for trachoma given a Navaho family and the successful cure effected in an Indian Service hospital. Explains how to avoid reinfection by improved home sanitation.

Buy from USBIA. LC card FIE 52-799.

**Analysis of maneuvers, part 1.**

FS, USN, 1943. 37 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. (Instrument flight control series) Order no. SN 1059-e.

Explains the difference between contact and instrument flying; and how to maintain constant heading, deal with changing air density, and account for altitudes.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1890.

**Analysis of maneuvers using instruments.**

FS, USN, 1944. 46 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Instrument flight control series) Order no. SN 1059-w.

Explains the forces acting on a plane in flight and the reasons for banking and turning.

Buy from UWF. LC card FIE 52-1896.

**Analysis of the effect of focal plane shutter on photographs recorded with the NACA high-speed camera.**

MP, USNACA, 1950. 20 min, sd, b&w. Order no. TF 21.

Explains the effect of focal plane shutter on photographs taken at the rate of 40,000 frames per second with the NACA high-speed camera. For technical personnel, to be used with NACA Report 856: "The NACA high-speed motion-picture camera optical compensation at 40,000 photographs per second."

Borrow from USNACA. LC card FIE 54-192.



**Anatomy and physiology.**

FS, USA, 1944. 10 fr, color.  
Order no. FS 8-79.

Presents ten charts of the skeletal and muscular systems, internal organs, digestive tract, genital and urinary systems, and circulatory and nervous systems.  
Borrow from USAFIP. LC card FIE 53-814.

**Anatomy and physiology: The digestive system.**

FS, USA, 1952. 50 fr, color, with disc: 16 in, 33 1/3 rpm, 15 min.  
Order no. SFS 8-134.

Through drawings explains the digestive system and its organs, and the mechanical and chemical action on food to prepare it for use by the body.

Borrow from USAFIP. LC card FIE 54-730.

**Anatomy and physiology: The male reproductive system.**

FS, USA, 1953. 34 fr, color, with disc: 16 in, 33 1/3 rpm, 9 min.  
Order no. SFS 8-136.

Explains by means of charts the anatomy and physiology of the human male reproductive system. For medical organizations and allied groups.

Borrow from USAFIP. LC card FIE 55-540.

**Anatomy and physiology: The muscular system.**

FS, USA, 1954. 48 fr, color, with disc: 16 in, 33 1/3 rpm, 11 min.  
Order no. SFS 8-129.

Explains the functioning and structure of the muscular system, including striated or skeletal muscles which control voluntary movement, smooth muscles which control involuntary action, and cardiac muscles which control heart movement; characteristics of contractility, and irritability; and tonus in skeletal muscles.

Buy from UWF. LC card FIE 55-502.

**The anatomy of the honeybee.**

FS, USDA, 1939. 33 fr, single or double, b&w. Order no. 151. With lecture notes.

Shows the structure and parts of the worker, queen, and drone.

Buy from PhotoLab. LC card FIE 52-2840.

**Anchoring and mooring seaplanes.**

FS, USN, 1942. 64 fr, b&w. Order no. SN 929.

Shows how to drop, secure, and weigh anchor; and how to moor seaplanes at permanent bases.

Buy from UWF. LC card FIE 52-1881.

**Anchors aweigh.**

MP, USOWI, 1942. 3 min, sd, b&w.

The U.S. Navy song, sung off-screen by Conrad Thibault, against appropriate scenes of naval operations at sea.

Buy from UWF. LC card FIE 52-744.

**The ancient curse.**

MP, USIA, 1952. 44 min, sd, b&w.

Emphasizes the importance of international cooperation in extending health benefits throughout the world, and explains the work of the World Health Organization with particular reference to the anti-malaria campaign in Thailand. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-7.

**Ancylostoma caninum in the intestine of the dog.**

MP, USPHS, 1952. 5 min, sd, b&w. Order no. M 115.

Depicts the blood-sucking activities and copulation of adult hookworms in the intestine of the dog. A study film for biologists and parasitologists.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-225.

**And now Miguel.**

MP, USIA, 1953. 63 min, sd, b&w.

Story of an American family in the Southwest to whom the traditions of sheep-raising have come down through generations from Spanish ancestors. Portrays their family life and the fulfill-



ment of young Miguel's dream of being accepted on an equal footing by his father and older brothers. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-241.

**Aneurysms. Part 1: Quadruple ligation and excision of arterio-venous fistula of the femoral vessels, lower third.**

MP, USA, 1948. 11 min, si, color. Order no. PMF 5082.

Demonstrates the surgical removal of a fistula of the femoral vessels resulting from a high explosive shell fragment.

Borrow from USAFIP. LC card FIE 54-44.

**Aneurysms. Part 2: Repair of false arterial aneurysms.**

MP, USA, 1948. 11 min, sd, b&w. Order no. PMF 5084.

Shows a small aneurysm of the posterior tibial vessel repaired by ligation and excision, and demonstrates the method of Matas applied to an aneurysm of the brachial artery.

Borrow from USAFIP. LC card FIE 54-46.

**Animal diseases: Prevention, first aid, and emergency treatment.**

FS, USA, 1943. 64 fr, b&w. Order no. FS 8-54.

Presents the common diseases of the horse, and explains how they may be recognized, the predisposing causes, control measures, and general emergency treatment.

Borrow from USAFIP. LC card FIE 54-715.

**Animal injuries: Prevention, first aid, and emergency treatment.**

FS, USA, 1943. 60 fr, b&w. Order no. FS 8-49.

Shows injuries of army animals, and explains preventive measures, first aid, and emergency treatment.

Borrow from USAFIP. LC card FIE 54-714.

**Animals in rocket flight.**

MP, USAF, 1953. 14 min, sd, b&w. Order no. SFP 316.

Record of an experiment in which two monkeys and two white mice were enclosed in an Aerobee rocket sent to a height of 37 miles. Shows their physical reactions measured by instruments during the flight, and their return, unharmed, by parachute to the ground.

Borrow from USAF. Cleared for TV. LC card FIE 54-388.

**The Annapolis story.**

MP, USN, 1954. 28 min, sd, color. Order no. MN 9241.

Explains and illustrates the life and training of midshipmen at the U.S. Naval Academy.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-412.

**Anopheles census: A basic field procedure in setting up malaria control projects.**

MP, USPHS, 1944. 20 min, sd, b&w. (Malaria control series) Order no. 4-025.

An entomologist surveys the prevalence of malaria-carrying mosquitoes in an area, and a suitable state-sponsored control program is initiated. The results are evaluated, and defects are investigated and remedied.

Borrow from USPHS-CDC. LC card FIE 52-2275.

**Another light.**

MP, USPHS, 1952. 24 min, sd, b&w.

Tells the story of a small town and its new hospital, showing in particular the reactions of an elderly farmer, a housewife, and a businessman. Explains how the people of the town helped raise construction funds, how the hospital serves the people of the community, and how the people support the hospital.

Borrow from USPHS. Cleared for TV. LC card FIE 53-82.

**Antarctic expedition.**

MP, US Defense, 1947. 18 min, sd, b&w. Order no. ANSM 85.



Record of the 1946-47 expedition to the Antarctic regions conducted under the leadership of Admiral Richard E. Byrd.

Borrow from USN. LC card FIE 53-442.

**Anterior acrylic bridgework: Laboratory procedures.**

MP, USN, 1945. 20 min, sd, color. (Dentistry series) Order no. MN 4352-b.

Demonstrates laboratory technique of precision casting of acrylic bridgework; molding of several teeth as one unit; process of tooth extraction; and final insertion of the bridgework. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1385.

**Anterior acrylic bridgework: Operative procedures.**

MP, USN, 1945. 16 min, sd, color. (Dentistry series) Order no. MN 4352-a.

Demonstrates technique of preparation of abutment of teeth and gingival surfaces for acrylic bridgework. Shows method of making wax impression for casting molds of caps to be placed on abutment teeth. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1384.

**Anterior acrylic bridgework: Variations.**

MP, USN, 1945. 5 min, sd, color. (Dentistry series) Order no. MN 4352-c.

Demonstrates construction of acrylic bridgework for one or two teeth; explains simplified procedures; and presents techniques of carving a model in a patient's mouth. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1386.

**Aphasia series, nos. 1-3.**

Introduction to aphasia

Testing and individual therapy for the aphasia patient

Social adjustment for the aphasia patient

**Appalachian Trail**

MP, USIA, 1951. 11 min, sd, b&w.

Explains the development and purpose of the Appalachian Trail, extending over 2,000 miles through the Appalachian Mountains along the eastern coast of the United States; and includes scenes of campers, hikers, and explorers using the trail as a mountain playground. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2208.

**An apple a day.**

MP, USDA, 1952. 6 min, sd, color or b&w.

Explains the selection, care, and uses of apples. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-645.

**An apple is like a bag of eggs.**

FS, USDA, 1952. 32 double fr, b&w. Order no. 701. With lecture notes.

Explains the need for careful handling of apples from producer to consumer.

Buy from PhotoLab. LC card FIE 53-1036.

**Application of Pascal's law, part 1.**

MP, USN, 1943. 13 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-c.

Reviews Pascal's law and demonstrates its application in the operation of a hydraulic system.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1043.

**Application of Pascal's law, part 2.**

MP, USN, 1943. 15 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-d.

Demonstrates Pascal's law, using two output pistons; explains the principles of hydraulic brakes and the hydraulic jack.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1044.



**Applying the army leg splints.**  
 FS, USA, 1945. 37 fr, b&w. Order  
 no. FS 8-99.

Demonstrates application of the  
 U.S. Army leg splint on a subject.  
Borrow from USAFIP. LC card  
FIE 53-803.

**Appointment in Tokyo.**

MP, USA, 1945. 55 min, sd, b&w.  
 (Campaign reports series) Order  
 no. CR 4.

Historical film record of General  
 MacArthur's operations from the  
 fall of Corregidor in 1942 to the  
 surrender of Japan in 1945.

Buy from UWF. LC card FIE  
52-1668.

**Appraising soils for soil absorp-  
 tion systems.**

MP, USPHS, 1953, 18 min, sd,  
 b&w. (Individual sewage disposal  
 systems, no. 2) Order no. M 50-b.

Explains the theory of soil ab-  
 sorption; demonstrates soil ab-  
 sorption characteristics and  
 tests; discusses the relationship  
 of test findings to the size and  
 construction of the tile absorption  
 field.

Borrow from USPHS - CDC. Buy  
from UWF. LC card FIE 53-668.

**Apprentice training.**

MP, USIA, 1953. 30 min, sd, b&w.

Illustrates the major features of  
 a planned apprentice training pro-  
 gram in the U.S. construction  
 industry, and portrays the steps  
 in advancing through apprentice-  
 ship to journeyman status in the  
 brick-laying trade. Prepared for  
 overseas use.

Buy from UWF. LC card FIE  
52-147.

**Approach control.**

FS, USCAA, 1945. 54 fr, color  
 with disc: 16 in, 33 1/3 rpm, 12  
 min. Order no. CA 3.

Explains the purpose and opera-  
 tion of "approach control" as  
 employed in airports, and the  
 procedures and phraseology used  
 in landing a plane.

Borrow from USCAA film library.  
Buy from UWF. LC card FIE  
52-441.

**An approach to understanding  
 dynamics.**

MP, USVA, 1950. 34 min, sd,  
 b&w. (Psychotherapeutic inter-  
 viewing series, no. 3)

Depicts an interview between a  
 patient and a psychiatrist; analy-  
 zes the dynamics of the interview;  
 and explains the patient's reac-  
 tions to certain experiences and  
 the meaning of these reactions to  
 the psychiatrist. For professional  
 personnel only.

Borrow from USVA. Buy from  
UWF. LC card FIE 53-86.

**Aquatic plants associated with  
 Anopheles mosquito breeding  
 areas**

FS, USPHS, 1949. 169 double fr,  
 color. Order no. 5-092.

Photographs of aquatic plants in  
 breeding places of Anopheles  
quadrinaculatus, crucians, and  
punctipennis in the southeastern  
 United States. Arrangement fol-  
 lows the system of Engler and  
 Prantl.

Borrow from USPHS - CDC. LC  
card FIE 54-706.

**Arc welding.**

MP, USBM, 1946. 10 min, sd,  
 b&w. (How to weld aluminum  
 series) Order no. 221.

Shows metal arc, carbon arc, and  
 atomic hydrogen processes for  
 welding aluminum; the uses and  
 advantages of arc welding; and the  
 proper protection for personnel  
 engaged in arc welding.

Borrow from USBM. Cleared for  
TV. LC card FIE 52-649.

**Arctic engine oil.**

MP, USA, 1946. 7 min, sd; b&w.  
 Order no. FB 221.

Traces the development and test-  
 ing of a new arctic engine oil at  
 Fort Churchill, Canada; explains  
 how it functions and gives the  
 proper lubrication schedule.

Borrow from USA. Buy from  
UWF. LC card FIE 52-1579.

**Arctic igloo.**

MP, US Defense, 1946. 10 min,  
 sd, b&w. Order no. AFER 95. Also  
 available with title, Construction



of Arctic igloo. On same reel with film, *Something about a soldier*. Demonstrates the construction of an Arctic igloo.

Borrow from USA. Buy from UWF. LC card FIE 52-1644.

**Arctic indoctrination school, winter 1950.**

MP, USA, 1950. 15 min, sd, b&w. Order no. MF 7725.

Highlights of the U.S. Army's Arctic indoctrination school conducted at Big Delta, Alaska, during the winter of 1950, including snowshoe and ski techniques, bivouac in the snow, construction of various types of shelter, and other winter exercises.

Borrow from USA. Cleared for TV. LC card FIE 55-192.

**Arctic rampart.**

MP, US Defense, 1953. 15 min, sd, b&w. Order no. RTAF 148.

Short version of Army film with the title, *Operation Blue Jay*. Describes the construction of a United States air base at Thule, Greenland, during 1952, and emphasizes its strategic military significance.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-474.

**Area poisoning.**

MP, USPHS, 1954. 9 min, sd, b&w. (Rodent control series, no. 7. Practical rat control, no. 4) Order no. M. 37.1-1(2).

Discusses the use of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin.

Borrow from USPHS - CDC. Buy from UWF. LC card FIE 54-170.

**Arizona and its natural resources.**

MP, USBM, 1948. 30 min, sd, color. Order no. 176.

Shows panoramic views of the State; principal copper-producing centers; the drilling, blasting, loading, crushing, smelting, and refining of copper; agriculture, irrigation, Indian life, national monuments, etc.

Borrow from USBM. Cleared for TV. LC card FIE 52-616.

**Armed forces education: Take time for tomorrow.**

MP, USN, 1949. 14 min, sd, b&w. Order no. MN 6649.

Portrays educational opportunities available to personnel of the National Military Establishment. Describes academic and vocational courses; shows how classes are conducted, study materials prepared, correspondence lessons graded; and how to enroll for study.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1303.

**Armed forces of the U. S. A.**

MP, US Defense, 1950. 23 min, sd, b&w. Order no. AFIF 9.

Shows the place of the armed forces in the U. S. Governmental organization--their roles and missions.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2032.

**Armed Forces screen magazine, no. 501.**

MP, US Defense, 1952. 17 min, sd, b&w. Order no. AFSM 501. Shows the U.S. Navy's role in traffic control on the Rhine River; four-wheel landing gear on Army liaison planes; a ribbon parachute; a helicopter delivering patients to a hospital ship; an airborne guided missile; and Armed Forces personnel skiing in Japan and the Alps.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-236.

**Armed Forces screen magazine, no. 502.**

MP, US Defense, 1952. 24 min, sd, b&w. Order no. AFSM 502. Shows an M48 Patton tank, the U.S.S. Wisconsin in action off the coast of Korea, service personnel competing for places on U.S. Olympic teams, and dog training in the Army.

Borrow from USA or USAF. Buy



from UWF. Cleared for TV. LC card FIE 52-2204.

Armed Forces screen magazine, no. 503.

MP, US Defense, 1952. 13 min, sd, b&w. Order no. AFSM 503.

Discusses developments in vest armor and light weight rifles, research in air currents, transportation of troops by carrier borne helicopters, and describes a new troop ship, the USNS Barrett. Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-142.

Armed Forces screen magazine, no. 504.

MP, US Defense, 1952. 21 min, sd, b&w. Order no: AFSM 504.

Discusses principles of atomic power used in a submarine, and daily routine of WAC's in Europe; shows the 1952 football game between Air Force and Marine Corps teams, views of Pacific Islands that were battlegrounds, and firing of the Aerobee rocket in New Mexico.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-141.

Armed Forces screen magazine, no. 505.

MP, US Defense, 1953. 22 min, sd, b&w. Order no AFSM 505.

Scenes of snow removal equipment being demonstrated in the Sierras; Army and Air Force competition in the National Barber Shop Quartet contest; a Navy centrifuge used to test airmen's reaction to flight pressures; combat action in Korea; and inter-service football games.

Borrow from USAF. LC card FIE 55-174.

Armed Forces screen magazine, no. 506.

MP, US Defense, 1953. 21 min, sd, b&w. Order no. AFSM 506.

Treats the following subjects: Army troops learning mountain climbing; Wac's at an officer candidate school; operations of a Navy icebreaker, USS Burton Is-

land; and the 1952 Army-Navy football game.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-87.

Armed Forces screen magazine, no. 507.

MP, US Defense, 1953. 18 min, sd, b&w. Order no AFSM 507.

Pictures a demonstration of a portable iron lung; soldiers being taught railroading; sculpture of the 1945 flag raising on Iwo Jima; soldiers erecting a school in Korea; and airmen being taught judo by Japanese.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-162.

Armed Forces screen magazine, no. 508.

MP, US Defense, 1953. 19 min, sd, b&w. Order no. AFSM 508.

Shows a meteorological weather wind computer; a new Air Force stratojet bomber; Korean orphans receiving clothing and candy; the Navy testing new weapons at Dahlgren; and servicemen enjoying winter sports at Garmisch-Partenkirchen.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-161.

Armed Forces screen magazine, no. 509.

MP, US Defense, 1953. 20 min, sd, b&w. Order no. AFSM 509.

Scenes of the F84-F fighter bomber; a firefighting jeep for use on Navy carrier decks; helicopters used to set up a smoke screen; modern facilities of a hospital ship; briefing on the military situation in Formosa as of March 1953; and the Navy School of Music where musicians from all branches of the Armed Services get their training.

Borrow from USAF. Cleared for TV. LC card FIE 55-170.

Armed Forces screen magazine, no. 510.

MP, US Defense, 1953. 20 min, sd, b&w. Order no. AFSM 510.



Activities and developments in U. S. Armed Forces, including a new Navy jet plane, an Army "winter-proof" suit, a Navy submarine crew spending two months under water, and soldiers from the Korean front on a five-day pass in Japan.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-475.

Armed Forces screen magazine, no. 511.

MP, US Defense, 1953. 20 min, sd, b&w. Order no. AFSM 511.

Scenes of a basketball game between the Navy and the Marine Corps played at Omaha University, and of the boxing championship fights between members of the different Armed Services at the Naval Training Center in Bainbridge, Md.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-543.

Armed Forces screen magazine, no. 512.

MP, US Defense, 1953. 15 min, sd, b&w. Order no. AFSM 512.

Shows B-47 airplanes refueling in mid-air; damage control methods on a sinking ship; and training in hand-to-hand combat in an Army "struggle pit."

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-607.

Armed Forces screen magazine, no. 513.

MP, US Defense, 1953. 14 min, sd, b&w. Order no. AFSM 513.

Shows "Mighty Mite," the all purpose amphibious jeep of the Marine Corps; Navy tests of a hydrofoil boat; model airplane exhibitions; and an inter-service track meet.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-608.

Armed Forces screen magazine, no. 514.

MP, US Defense, 1953. 15 min, sd, b&w. Order no. AFSM 514.

Shows a two-rotor helicopter, ambulance jeep, and a giant tractor; origin and production of the Army newspaper, "Stars and Stripes"; and close formation flying by Navy planes.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-236.

Armed Forces screen magazine, no. 515.

MP, US Defense, 1953. 15 min, sd, b&w. Order no. AFSM 515.

Scenes of an Air Force demonstration of its Kangaroo plane; Signal Corps mobile television units at West Point; U.S. Naval Academy "middies" on the annual summer cruise; and Armed Forces personnel touring the UN headquarters in New York.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-413.

Armed Forces screen magazine, no. 516.

MP, US Defense, 1953. 16 min, sd, b&w. Order no. AFSM 516.

Shows an experimental wrist watch radio; formation flying by Air Force planes; Taylor Model Basin; and a football game between the Air Force and the Marines.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-235.

Armed Forces screen magazine, no. 517.

MP, US Defense, 1954. 19 min, sd, b&w. Order no. AFSM 517.

Describes Berlin in 1954 and explains the division of the city into eastern and Western sectors.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-414.

Armed Forces screen magazine, no. 518.

MP, US Defense, 1954. 18 min, sd, b&w. Order no. AFSM 518.

Scenes of the F-100 and X-3 planes; the prisoner of war story in Korea; and the 1953 Army-Navy football game.



Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-415.

Armed Forces screen magazine, no. 519.

MP, US Defense, 1954. 13 min, sd, b&w. Order no. AFSM 519.

Activities and events of the U.S. Armed Forces, including an interview with the oldest sergeant in the Armed Forces and scenes of an 800-ton floating dock, launching of a new research plane, a rifle match at Quantico, and wind tunnels at Langley Air Force Base.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-237.

Armed Forces screen magazine, no. 520.

MP, US Defense, 1954. 19 min, sd, b&w. Order no. AFSM 520.

Scenes of a Navy doctor administering anesthesia to children with a "space helmet"; changing of the guard between American and Russian occupation forces in Vienna; and the history of the "Retreat" ceremony with an original score by the U.S. Army Band.

Borrow from USA or USAF. Cleared for TV. LC card FIE 54-416.

Armed Forces screen magazine, no. 521.

MP, US Defense, 1954. 18 min, sd, b&w. Order no. AFSM 521.

Scenes of a new hospital evacuation plane; delivery to the Marine Corps of a twin-engine helicopter, basketball game between WAF's of Keesler and Lackland Air Force bases, and the "Nike" missile.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-417.

Armed Forces screen magazine, no. 523.

MP, US Defense, 1954. 11 min, sd, b&w. Order no. AFSM 523.

Scenes of the Army's new rocket "Honest John" and guided missile "Corporal"; of a horse-

drawn caisson unit at Fort Meyer; and of the U.S. Naval Observatory. Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-355.

Armed Forces screen magazine, no. 524.

MP, US Defense, 1954. 16 min, sd, b&w. Order no. AFSM 524.

Shows the new T-43 tank, Army engineers laying a bridge in Japan civilian benefits from Armed Forces research and development, and the origin and background of the Air Force button.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-368.

Armed Forces screen magazine, no. 525.

MP, US Defense, 1954. 16 min, sd, b&w. Order no. AFSM 525.

Scenes of a rocket-propelled sled of the Air Force traveling at 420 miles per hour, duties and services of the Alaskan National Guard, and the work of Army's criminal investigation detachment in Europe.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-418.

Armed Forces screen magazine, no. 526.

MP, US Defense, 1954. 20 min, sd, b&w. Order no. AFSM 526.

Sequences showing the Navy steam catapult for carrier based planes and the Viking rocket; the twelfth anniversary of USAFI (U.S. Armed Forces Institute); and the background of the salute, universally accepted as a military greeting.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-419.

Armed Forces screen magazine, no. 527.

MP, US Defense, 1954. 21 min, sd, b&w. Order no. AFSM 527.

Sequences showing New York as seen through the new 100-inch Signal Corps lens; electronic devices protecting vehicles from



ice crevasses in Greenland; scenes of Panama; inter-service boxing; and Air Force and Army barbershop quartettes.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 54-421.

#### Army Air Forces: Pacific

MP, USAF, 1945. 15 min, sd, b&w. Order no. CFR 504.

Reports Gen. H. H. Arnold's plea for a strong postwar Air Force; explains that wartime supremacy was the result of a merger of aviation, naval, and ground force power; and includes scenes of the air war over Wake, Philippines, Burma, Saipan, Okinawa, and Japan.

Borrow from USA or USAF. LC card FIE 52-1455.

#### Army aviation. Part 1: Introduction.

MP, USA, 1953. 17 min, sd, b&w. Order no. FB 260.

Shows and explains the uses of light planes of the fixed and rotary wing types used by the U.S. Army.

Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FIE 53-478.

#### Army aviation. Part 2: Selection and occupation of small unit airstrips.

MP, USA, 1953. 12 min, sd, b&w. Order no. FB 261.

Illustrates how a U.S. Army aviation section of a combat unit selects and occupies a small unit airstrip without interrupting combat operations.

Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FIE 53-546.

#### The Army cook series, nos. 1-6

Meat cutting tools and equipment

Cutting a hindquarter of beef

Cutting a forequarter of beef

Cutting lamb

Cutting veal and pork

Cooking and carving of meat

Army crafts program.

FS, USA, 1953. 59 fr, b&w, with disc: 16 in, 33 1/3 rpm, 13 min.

Order no. SFS 12-19.

Explains the purpose, organization, administrative aspects, and activities of the U.S. Army crafts program, including leather crafts, rock and clay crafts, metal and plastic crafts, wood-working, painting, and photography.

Borrow from USA. LC card FIE 55-542.

#### The army engineer.

MP, USA, 1953. 22 min, sd, b&w. Order no. TF 5-1688.

Gives a brief history of the U.S. Army Corps of Engineers, including its activities in World Wars I and II, and illustrates typical Engineer activities.

Borrow from USA or USA-Eng. Buy from UWF. Cleared for TV. LC card FIE 54-421.

#### The Army entertainment program.

FS, USA, 1954. 64 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. Order no. SFS 12-101.

Discusses various recreational activities planned and afforded soldiers at U.S. Army installations, service clubs, hospital wards, on ships, and in combat areas.

Borrow from USA. LC card FIE 54-807.

#### Army library program.

FS, USA, 1954. 66 fr, b&w, with disc: 16 in, 33 1/3 rpm, 11 min. Order no. SFS 12-17.

Explains the U.S. Army library program covering organization and structure, qualifications and duties of library personnel, and the role of library services in military life.

Borrow from USA. LC card FIE 54-808.

#### Army light aviation.

MP, USA, 1949. 20 min, sd, b&w. Order no. TF 20-1511.

Shows specific uses of light aviation in modern warfare and how use of the L-16 airplane assists different branches of the Army in various tactical situations.

Borrow from USA. LC card FIE 55-129.



**Army medical laboratories.**

MP, USA, 1947. 39 min, sd, b&w.  
Order no FB 217.

The activities of Army medical laboratories during World War II. Through documentary sequences shows the functions of laboratory units in a theater of operations, communication zones, and the zones of interior; through an animated sequence shows the overall organization and communication set-up in the world network of laboratories.  
Borrow from USAFIP. LC card FIE 54-29.

**Army-Navy football game, 1948.**

MP, USN, 1948. 35 min, sd, color. Order no. MN 6749.

Highlights of the 1948 football game between the U.S. Military Academy and the U.S. Naval Academy.

Borrow from USN. LC card FIE 52-1310.

**The army nurse.**

MP, USA, 1945. 13 min, sd, b&w.  
Order no MF 1173.

Shows the duties and work of army nurses near battle lines, in field and evacuation hospitals, and on airplanes and ships.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1608.

**Army Nurse Corps begins 50th year.**

MP, USA, 1951. 6 min, sd, b&w.  
Order no. MF 7843.

Portrays activities of U.S. Army nurses.

Borrow from USA. Cleared for TV. LC card FIE 55-190.

**Army records administration.**

MP, USA, 1953. 23 min, sd, b&w.  
Order no MF 12-7944.

Explains the maintenance, utilization, preservation, retirement, and disposal of U.S. Army records.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-490.

**Army ROTC.**

MP, USA, 1951. 18, sd, b&w.  
Order no MF 7743.

Portrays the advantages and values of the Army Reserve Officers' Training Corps to high-school seniors and college freshmen.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2059.

**The Army ROTC: Learn today, lead tomorrow.**

MP, USA, 1952. 24 min, sd, color.  
Order no. MF 45-7912.

Shows the activities of a young college student while enrolled in the school's Reserve Officers Training Corps. Emphasizes that ROTC provides America with reserve officers for emergencies.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2072.

**Army sports.**

MP, US Defense, 1950. 10 min, sd, b&w. Order no. AFSR 120.

On reel with Operation Portrex. Explains the Army sports program and how it is designed to stimulate the physical well-being of soldiers.

Borrow from USA. Cleared for TV. LC card FIE 55-166.

**The Army statistical and accounting system.**

MP, USA, 1950. 32 min, sd, b&w.  
Order no. TF 12-1653.

Explains the use of machines, filing methods, and working procedures in compiling and maintaining current information on military personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1570.

**Arrest and search of persons.**

MP, USA, 1948. 41 min, sd, b&w.  
Order no. TF 19-1486.

Shows U.S. Army procedures and techniques for searching, handcuffing, and typing prisoners.  
Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1744.

**Arterial disorders in the upper extremity and their treatment by sympathectomy.**

MP, USA, 1950. 30 min, sd, color. Order no. PMF 5103.

Gives the indications, clinical factors and precautions for arterial disorders in the upper extremity and their operative treatment by a sympathectomy. For medical personnel.

Borrow from USAFIP. LC card FIE 53-44.

**Arteriovenous fistula: Posterior tibial vessels.**

MP, USA, 1948. 18 min, sd, color. Order no. PMF 5094.

Reviews preoperative situations; shows surgical technique in a case of arteriovenous fistula of the posterior tibial vessels; indicates postoperative findings and precautions.

Borrow from USAFIP. LC card FIE 54-49.

**Arteriovenous fistula with false sac: Lower femoral vessels--quadruple ligation and excision.**

MP, USA, 1948. 16 min, sd, color. Order no. PMF 5093.

Describes essential phases of diagnosis for vascular diseases, indicates the best conditions for preoperative studies, and shows details of surgical procedure.

Borrow from USAFIP. LC card FIE 54-48.

**Arthropod-borne virus encephalitis.**

MP, USA, 1947. 33 min, sd, b&w. Order no. PMF 5048.

Presents disease problems which are approached by differential diagnostic measures. Portrays the diagnosis, treatment, and control of Japanese B encephalitis, and illustrates the approach to the investigation of such problems.

Borrow from USAFIP. LC card FIE 54-38.

**Arthropods of public health importance.**

FS, USPHS, 1954. 42 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. Order no. F 145.

Shows the outstanding characteristics of one or more species of the following arthropods: cockroaches, mosquitoes, flies, bed bugs, triatoma, fleas, lice, scorpions, tarantulas, spiders, centipedes, ticks, and mites.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-754.

**Articulation of teeth.**

FS, USN, 1949. 78 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-d.

Illustrates the correct method of "setting up" or articulating teeth for proper occlusion. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1810.

**Articulatory movements in the production of English speech sounds. Part 1: Consonants.**

MP, USVA, 1953. 25 min, sd, color.

Through the use of animated drawings of the breathing process and direct photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue, illustrates the production of speech. Movements of the lips, mandible, tongue, velum, and pharyngeal constrictor muscles are shown in illustrations of oral continuant consonants, nasal continuants, plosives and affricatives commonly present in American speech.

Borrow from USVA. Buy from UWF. LC card FIE 54-5.

**Articulatory movements in the production of English speech sounds. Part 2: Vowels and glides.**

MP, USVA, 1954. 26 min, sd, color. Through live-action photography of the movements of the laryngeal and articulatory structures in a patient with extensive loss of facial tissue, illustrates the production of vowels and their movements with glide sounds. Shows the importance of resonance as a



factor in speech intelligibility through samples of connected speech.

Borrow from USVA. Buy from UWF. LC card FIE 54-398.

**Artificial respiration.**

MP, USCG, 1952. 11 min, sd, b&w.

Explains and demonstrates two new methods of artificial respiration adopted by the U.S. Coast Guard--the Holger-Nielsen or back pressure, arm-lift method, and the Emerson or back-pressure, hip-lift method.

Borrow from USCG. Buy from UWF. Cleared for TV. LC card FIE 52-2185.

**Artificial respiration.**

MP, USN, 1947. 8 min, sd, b&w. (Personnel damage control series) Order no. MN 6466-e. Revision of 1943 film with the same title.

Shows by animation the breathing process; and explains the need for artificial respiration and the methods to be used in cases of drowning, electrical shock, and smoke asphyxiation.

Borrow from USN-BuMed. Withdrawn from sale in 1954. LC card FIE 52-1379.

**Artificial respiration.**

MP, USN, 1943. 9 min, sd, color. (Personnel damage control series) Order no. MN 836-e.

Demonstrates artificial respiration in counteracting the effects of drowning, asphyxiation, or electrical shock.

Borrow from USCAA film libraries or USN. Withdrawn from sale in 1954. LC card FIE 52-1315.

**Artificial respiration.**

FS, USN, 1942. 33 fr, b&w with disc: 12 in, 33 1/3 rpm, 8 min. (First aid series) Order no. SN 225-a.

Through straight photography and cartoons shows how to apply artificial respiration by the prone pressure method.

Borrow from USCAA film libraries. LC card FIE 54-766.

**Artificial respiration, the back-pressure arm-lift method.**

MP, USN, 1953. 16 min, sd, b&w. Order no. MN 7484.

Demonstrates the back-pressure arm-lift method of resuscitation; explains the advantages and uses of this method, and shows alternative methods for use in unusual circumstances.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-547.

**Artillery orientation by sun and star. Part 1: The altitude method.**

MP, USA, 1951. 25 min, sd, b&w. Order no. TF 6-1678.

Treats the determination of true direction by the altitude method of solar observation, measurement of angles to sun, corrections for parallax, refraction, and solution of celestial triangle based upon observer's latitude, altitude, and declination of sun.

Borrow from USA. Buy from UWF. LC card FIE 52-2075.

**Artillery orientation by sun and star. Part 2: The hour angle method.**

MP, USA, 1950. 10 min, sd, b&w. Order no. TF 6-1679.

Explains the determination of true direction by the hour angle method of celestial navigation.

Borrow from USA. Buy from UWF. LC card FIE 52-2076.

**Arts of Japan.**

MP, USIA, 1954. 29 min, sd, b&w.

Tells the story of a young American who visits artists of Japan, including the painter Gyokudo Kawai, tea master Soshitsu Sen, actors Koshiro Matsumoto and Mansaburo Umewaka, potter Shoji Hamada, and woodblock artist Shiko Munakata. Includes scenes from the Noh and the Kabuki dramas. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-282.

**As deep as the heart.**

MP, USA, 1951. 40 min, sd, b&w. Order no. TF 16-1693.



Dramatized story of a soldier with a deep-seated resentment against his parents and home who becomes assistant to an army chaplain, observes the work of the chaplain, and finally changes his attitude toward his family and life in general.

Borrow from USA or USAF. LC card FIE 52-2089.

**Ascariasis (Infestation with ascarids).**

MP, USA, 1949. 13 min, sd, b&w. Order no. PME 5124.

Shows details of the life cycle of ascarids in swine. For professional personnel.

Borrow from USAFIP. LC card FIE 53-35.

**Asiatic schistosomiasis.**

MP, USN, 1946. 22 min, sd, color. Order no. MN 5028.

Explains the cause and effects of schistosomiasis, and demonstrates preventive and control measures.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1349.

**Assembling and riveting series.**  
See Aircraft work series. Assembling and riveting.

**Assembling in a jig: Drilling and riveting.**

MP, USOE, 1943. 21 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 2) Order no. OE 137. With instructor's manual. Drilling, burring, dimpling, and riveting an aircraft sheet metal assembly.

Buy from UWF. LC card FIE 52-38.

**Assembling in a jig: Drilling and riveting.**

FS, USOE, 1943. 50 fr, b&w. (Aircraft work series. Assembling and riveting, no. 2) Order no. OE 137-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2548.

**Assembling in a jig: Fitting and lining up.**

MP, USOE, 1943. 16 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 1) Order no. OE 136. With instructor's manual.

How aircraft sheet metal parts are assembled in a precision assembly jig; how to use an awl for lining up; use skin fasteners; and correct misaligned holes.

Buy from UWF. LC card FIE 52-36.

**Assembling in a jig: Fitting and lining up.**

FS, USOE, 1943. 47 fr, b&w. (Aircraft work series. Assembling and riveting, no. 1) Order no. OE 136-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2544.

**Assembly training, airborne units.**

MP, USA, 1948. 13 min, sd, b&w. Order no. TF 31-1484.

Shows techniques of briefing airborne units and methods of marking the drop zone, locating the assembly area, and reporting to battalion headquarters. Explains the critical initial factors for successful paratrooper airborne offense.

Borrow from USA. LC card FIE 55-126.

**Assignment Germany.**

MP, USA, 1950. 14 min, sd, b&w. Order no. MF 7591.

Illustrates the job of the Allied-occupation of Germany: the rehabilitation of German business and industry, re-establishment of German democratic government, and re-education of the German people.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1627.

**Assignment home.**

MP, USN, 1945. 26 min, sd, b&w. (Combat fatigue series) Order no. MN 3428-d.



Stories of three Navy neuropsychiatric discharges (one returning to a job, one going back to school and the other without plans) showing patients' problems of civilian life with suggestions for meeting different situations.

Borrow from USN-BuMed. Buy from UWF, LC card FIE 52-1147.

**The astronomical triangle.**

MP, USN, 1942. 37 min, sd, b&w. (Navigation series) Order no. MN 83-d.

Explains how the astronomical triangle is formed, and its use in determining the position of ships on the earth's surface. College level.

Buy from UWF. LC card FIE 52-976.

**Atacama desert.**

MP, USOIAA, 1943. 17 min, sd, b&w;

Shows life and industry in the Atacama Desert of northern Chile, the nitrate deposits and mining methods, and the lives of the people of the region.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-725.

**Atmospheric stability and instability: Adiabatic process.**

MP, USN, 1953. 14 min, sd, color. Order no. MN 7894-b.

Explains the adiabatic process by showing what happens when a parcel of dry or moist air is raised or lowered by convection, the relationship of temperature and saturation at different altitudes, and the plotting of temperature and moisture content on the adiabatic chart. Gives a detailed description of orographic lifting.

Buy from UWF. Cleared for TV. LC card FIE 55-29.

**Atmospheric stability and instability: Existing temperature distribution.**

MP, USN, 1953. 14 min, sd, color. Order no. MN 7894-a.

Explains the relationship of temperature distribution and stable and unstable air and how this

relationship controls the weather. Shows the characteristics of stable and unstable air and how radiosonde of signals are plotted. Buy from UWF. Cleared for TV. LC card FIE 55-30.

**Atmospheric stability and instability: Stability and the weather.** MP, USN, 1954. 8 min, sd, color. Order no. MN 7894-d.

Explains the existing lapse rate on the RAOB (radiosonde observation) chart and the relationship to stability and instability in the atmosphere. Shows the difference between the adiabatic lapse rate of moist and dry air.

Buy from UWF. Cleared for TV. LC card FIE 55-31.

**Atmospheric stability and instability: Thermal convection.**

MP, USN, 1953. 10 min, sd, color. Order no. MN 7894-c.

Explains the causes of the vertical air currents in the atmosphere and their relationship to changes in the weather.

Buy from UWF. Cleared for TV. LC card FIE 55-32.

**Atom atoll.**

MP, US Defense, 1953. 18 min, sd, b&w. Order no. RTAF 147.

Portrays a Joint Task Force on Eniwetok making preparations for atomic test explosions, waiting for the explosion, and the explosion itself.

Borrow from USA or USAF. Cleared for TV. LC card FIE 54-422.

**The atom strikes.**

MP, USA, 1946. 31 min, sd, b&w. Order no. MF 1235.

Gives an account of the first experimental atomic bomb blast in New Mexico, aerial views of Hiroshima and Nagasaki bombings, and closeup shots of devastated areas.

Borrow from USA. Buy from UWF. LC card FIE 52-1809.

**Atomic bomb injuries to the Bikini animals. Part 1: Pathology.**

MP, USN, 1947. 12 min, sd, color. Order no. MN 6664.



Shows how ionizing radiation produced hemorrhage, secondary infection, and tissue degeneration in experimental animals.  
Borrow from USN-BuMed. LC card FIE 54-264.

**Atomic bomb test, Bikini.**  
MP, USN, 1946. 17 min, sd, b&w.  
Order no. MN 5352.  
Highlights of the Able and Baker atomic bomb tests at Bikini.  
Borrow from USN. LC card FIE 52-1298.

**Atomic medical cases: Japan, World War II.**  
MP, USA, 1949. 37 min, sd, b&w.  
Order no. PMF 5143.  
Presents documentary evidence of the medical problems resulting from the atomic bomb explosions at Hiroshima and Nagasaki; shows pathological specimens in microscopic section; and stresses the importance of using to the greatest advantage surviving doctors and nurses. For medical personnel.  
Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1733.

**'Atr'íla ya'at'eeh nádlóehgi.**  
MP, USBIA, 1949. 20 min, sd, color. Navaho language version of motion picture with the title, Trail to health.  
How two Pueblo Indian boys learn that they have tuberculosis and how they are cured. Includes portrayal of Indian home life.  
Buy from USBIA. LC card FIE 52-793.

**Attaching and aligning wings.**  
MP, USOE, 1944. 20 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 258. With instructor's manual.  
How to inspect a damaged wing; remove the damaged wing; attach a new wing; level the airplane and align the wing; and inspect the finished job.  
Buy from UWF. LC card FIE 52-269.

**Attaching and aligning wings.**  
FS, USOE, 1944. 45 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 258-fs.  
Supplements motion picture with the same title.  
Buy from UWF. LC card FIE 52-2769.

**Attack in the Pacific.**  
MP, US Defense, 1950. 50 min, sd, b&w. Order no. AFIF 3.  
Highlights of naval activities in the Pacific during World War II, including Pearl Harbor, the battle of the Coral Sea, the battle of Midway, and neutralization of Japanese naval strength.  
Borrow from USA. LC card FIE 55-172.

**Attack! The battle for New Britain.**  
MP, USA, 1944. 46 min, sd, b&w.  
Order no. MF 1041.  
A record of the attacks on Arawae and Cape Gloucester on New Britain from plan to final victory.  
Borrow from USA. Buy from UWF. LC card FIE 52-1593.

**Attitudes of flight, part 1.**  
MP, USN, 1945. 16 min, sd, b&w. (Primary flight training series) Order no. MN 3474-f.  
Discusses performance of climbing attitude, glide, straight and level flight, and gliding turn; and reviews flight procedures for each attitude.  
Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1164.

**Attitudes of flight, part 2.**  
MP, USN, 1945. 12 min, sd, b&w. (Primary flight training series) Order no. MN 3474-g.  
Discusses performance of the 180 degree power on approach, out of the wind take-offs and landings, and stall and recovery from stalls; and reviews flight procedures for each attitude.  
Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1165.



**Audio frequency amplification.**  
FS, USN, 1942. 25 fr, b&w. Order  
no. SN 652.

Describes the theory and practice  
of amplification of the audio wave.  
Borrow from USCAA film libraries.  
Buy from UWF. LC card FIE  
52-1872.

**Audio oscillator operation.**  
MP, USN, 1945. 9 min, sd; b&w.  
(Radio technician training series)  
Order no. MN 1540-r.

Explains the operation and use of  
audio oscillators and shows how  
to check an amplifier with the  
audio oscillator and "A" scope.  
Borrow from USCAA film libraries.  
Buy from UWF. LC card FIE  
52-906.

**Audio-visual aids to learning.**  
MP, USA-CAD, 1951. 11 min, sd,  
b&w.

Portrays the facilities and serv-  
ices of a typical audio-visual aids  
center in the United States; and  
explains the use of these aids in  
civilian information and educa-  
tion programs. Prepared for use  
in occupied areas.

Buy from UWF. Cleared for TV.  
LC card no. FIE 52-1967.

#### **Australia.**

MP, US Defense, 1953. 12 min,  
sd, b&w. Order no. AFIF 42.

Explains Australia's geography,  
government, economy, indus-  
tries, social customs, and cur-  
rent role in world affairs.

Borrow from USA or USAF.  
Cleared for TV. LC card FIE  
53-653.

**Australorbis glabratus, vector of  
Schistosoma mansoni.**  
MP, USPHS, 1947. 3 min, sd, b&w.  
(Schistosomiasis mansoni study  
films) Order no. 4-066.

Illustrates through aquarium  
scenes the life cycle of Austra-  
lorbis glabratus, the planorbid  
snail which is the intermediate  
host and principal transmitting  
species in tropical America of  
Schistosoma mansoni.

Borrow from USPHS-CDC. LC  
card FIE 53-189.

#### **Austria.**

MP, US Defense, 1954. 17 min,  
sd, b&w. Order no. AFIF 53.

Reviews the history of Austria  
and explains its current social,  
economic, and political status.  
Borrow from USA or USAF.  
Cleared for TV. LC card FIE  
54-423.

**Automatic pilot: The A-2 auto-  
matic pilot, basic principles.**

MP, USAF, 1942. 10 min, sd, b&w.  
Order no. TF 1-507.

Explains how the automatic pilot  
was developed from the direc-  
tional gyro and the gyro horizon,  
and shows the basic principles  
of operation.

Borrow from USCAA film libraries.  
LC card FIE 53-418.

#### **Automatic shifting unit.**

See Theory and principles of  
operation, automatic shifting unit.

#### **Automobile operation series.**

See Automotive operation and  
maintenance series. Automobile  
operation.

#### **Automotive electricity for mili- tary vehicles series, nos. 5-8.**

Principles of operation of the  
generator regulator  
Principles of operation of the au-  
tomotive magneto

#### **Automotive operation and main- tenance series. Automobile op- eration, nos. 1-5**

Know your car  
Your driving habits  
Keeping your car fit  
The periodic check-up  
Trouble shooting your car

#### **Automotive operation and main- tenance series. Preventive main- tenance, nos. 1-9**

Introduction to preventive main-  
tenance  
The battery, ignition, and elec-  
trical systems  
The engine assembly  
The cooling system and fuel sys-  
tem  
Engine tests and tune up  
The clutch and hand brake



The hydraulic brake system  
Steering, wheels, front and rear axles  
Transmission, drive shaft, and differential

Automotive series. Bus operation, nos. 1-3  
The operator and his job  
The operator and his passengers  
The operator and safety

Automotive series. School bus operation, nos. 1-3  
Bus care and maintenance  
Passengers, driving hazards, safety

Automotive trouble shooting series, no. 11c, section 2 and no. 14.  
Chevrolet 4x4 and GMC 6x6 steering system adjustments  
Front end alignment

Avalanches to order.  
MP, USDA, 1950. 17 min, sd, color or b&w.

How U.S. Forest Service snow rangers, the National Ski Patrol, and winter sports associations cooperate in predicting and controlling avalanches in the National forest areas of the West.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-376.

Aviation machinist's mate: Parachute responsibilities.

MP, USN, 1944. 13 min, sd, b&w.  
Order no. MN 1970.

Demonstrates the duties and responsibilities of an aviation machinist's mate in checking and preparing parachutes for use by flight personnel.

Buy from UWF. LC card FIE 52-1030.

Away boarders.  
MP, USN, 1945. 22 min, sd, b&w.  
Order no. MN 9031.

Presents the story of the U.S.S. Guadalcanal and the capture of the first German submarine in World War II by the commanding officer of that ship.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1273.

Awes binaltsos.

MP, USBIA, 1947. 25 min, sd, color. With Navaho language sound track. Known also, in English, as Birth Certificate and as Give your baby a name.

Explains why Navahos should register their children at birth, and presents techniques of registration to be followed. Primarily for Navaho audiences.

Buy from USBIA. LC card FIE 52-785.

The azimuth circle and pelorus.  
FS, USCG, 1944. 33 fr, b&w. (Piloting series) Order no. SCG 136-k.

Describes the azimuth circle and the pelorus, and demonstrates the operation of each.

Buy from UWF. LC card FIE 52-833.

B-47 pilot's familiarization.

MP, USAF, 1952. 37 min, sd, b&w.  
Order no. TF 1-4727.

Reviews the history of the development of the B-47 jet bomber and its principles of operation. Explains take-off and landing techniques and special problems pertaining to the piloting of the B-47.

Borrow from USAF. Cleared for TV. LC card FIE 53-114.

BAE agricultural outlook charts, 1954.

FS, USDA, 1953. 80 double fr, color. Order no. C-33.

Charts of statistics relative to agriculture in the United States. Buy from PhotoLab. LC card FIE 54-755.

BAE agricultural outlook charts, 1953.

FS, USDA, 1952. 80 double fr, color. Order no. C-27.

Charts of statistics relative to agriculture in the United States. Buy from PhotoLab. LC card FIE 53-1042.



**BMEP.**

MP, USN, 1943. 10 min, sd, b&w. (Diesel engine governors series. Marquette governor, no. 3) Order no. MN 2598-c.

Explains how the governor operates for normal and low speeds; and how the BMEP limiter functions when fuel is on and off, reduces the fuel supply to an overloaded engine, and goes out of position when the full operation is completed.

Buy from UWF. LC card FIE 52-1111.

**A backyard vegetable garden.**

FS, USDA, 1945. 60 fr, single or double, b&w. Order no. 657. With lecture notes.

How to grow vegetables in a 30-by 50-foot backyard plot, including selecting the site, planning the garden, preparing the ground, planting and thinning, cultivating, irrigating, and succession cropping.

Buy from PhotoLab. LC card FIE 52-2854.

**Bad burns.**

See Pre-first aid: What to do.

**The Bailey bridge in combat.**

MP, USA, 1945. 13 min, sd, b&w. Order no. FB 185.

Shows the types and construction of Bailey bridges, and their use in combat areas.

Borrow from USA. Buy from UWF. LC card FIE 52-1674.

**Bailing out.**

MP, USN, 1950. 9 min, sd, color. (Flight safety series) Order no. MN 4353-r.

Illustrates through cartoons how naval aviators should bail out of aircraft.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1388.

**Bandaging for hospital corpsmen.**

MP, USN, 1953. 24 min, si, b&w. Order no. MN 9319-a-q.

Seventeen loop films, 50 to 100 seconds in length, demonstrating the proper application of various

bandages on the head, chest, back, shoulder, ankle, jaw, hip, finger, hand, eyes, etc.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-98.

**Bandaging. Part 1: Triangular bandage.**

FS, USA, 1945. 59 fr, b&w. Order no. FS 8-101.

Illustrates various methods of using the triangular bandage.

Borrow from USAFIP. LC card FIE 53-801.

**Bandaging. Part 2: Roller bandage.**

FS, USA, 1945. 76 fr, b&w. Order no. FS 8-102.

Illustrates various methods of using a roller bandage, including a recurrent bandage of the head, crossed bandage of one eye, crossed bandage of both eyes, etc.

Borrow from USAFIP. LC card FIE 53-800.

**Bands of the U. S. Army.**

MP, USA, 1952. 15 min, sd, b&w. Order no. MF 7838.

Explains the values of the U. S. Army bands to soldiers and to civilians, and describes the training of a recruit preparatory to his becoming a member of an army band.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2061.

**Banking on the land.**

MP, USDA, 1946. 24 min, sd, color.

Traces the historical development of the cooperative farm mortgage credit system and its services to farmers as recalled by a charter member of a local national farm loan association.

Borrow from USFCA. Withdrawn from sale in 1954. LC card FIE 52-385.

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner.**

MP, USOE, 1945. 18 min, sd, b&w.



(Machine shop work series. Operations on the turret lathe, no. 5) Order no. OE 216. With instructor's manual.

How to make a rough sizing cut for the roller turner; set the tool in the roller turner for a finish size; set the automatic stops; and control chip condition.

Buy from UWF. LC card FIE 52-5.

**Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner.**

FS, USOE, 1945. 33 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 5) Order no. OE 216-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2502.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper.**

MP, USOE, 1945. 17 min, sd, b&w. (Machine shop work series. Operations on the turret lathe, no. 6) Order no. OE 217. With instructor's manual.

How to set up a multiple roller turner; center-drill the work so that it can be supported with a center; and set up and operate a carriage taper attachment.

Buy from UWF. LC card FIE 52-3.

**Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper.**

FS, USOE, 1945. 29 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 6) Order no. OE 217-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2503.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head.**

MP, USOE, 1945. 23 min, sd, b&w. (Machine shop work series. Operations on the turret lathe, no. 7) Order no. OE 218. With instructor's manual.

How to set the necking and chamfering tools; set and cut 3/4 inch, 10-pitch thread with tangent die head; and cut off the finished piece.

Buy from UWF. LC card FIE 52-4.

**Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head.**

FS, USOE, 1945. 25 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 7) Order no. OE 218-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2504.

**Barometer, hygrometer, clinometer.**

FS, USCG, 1944. 49 fr, b&w. (Piloting series) Order no. SCG 136-1.

Demonstrates the parts and uses of the barometer, hygrometer, clinometer, and anemometer.

Buy from UWF. LC card FIE 52-832.

**Bars, punches, and drifts.**

MP, USA, 1943. 15 min, sd, b&w. (Care and use of hand tools series, no. 5) Order no. TF 9-2030.

Explains the specific purposes, correct uses, and common misuses of bars, punches, and drifts. Borrow from USAF. Buy from UWF. LC card FIE 52-1740.

**Base plates and bite rims.**

FS, USN, 1949. 43 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-b.

Describes the method of constructing and adapting base plates and bite rims to the stone models. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1808.

**Bases and untreated surfaces.**

MP, USA, 1943. 10 min, sd, b&w. (Military roads and runways series, no. 2) Order no. TF 5-1190.



Shows various methods used to improve road bases by adding proper materials for stabilization.

Borrow from USA. LC card FIE 55-183.

**Basic biology of bacteria.**

FS, USPHS, 1950. 56 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. (An introduction to bacteriology series, no. 1) Order no. 5-174.

Explains the characteristics of bacteria, differences in types, feeding and multiplication, and control through boiling, freezing, and pickling. Elementary explanation for nonprofessional audiences.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-969.

**Basic blacksmith operations.**

MP, USA, 1952. 26 min, sd, b&w. Order no. TF 9-1778.

Explains and demonstrates various blacksmithing operations with emphasis on the use of tools and equipment. Discusses the advantages of side-banked, plain-open, and deep-hollow fires.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-163.

**The basic camera.**

MP, USN, 1948. 15 min, sd, b&w. (Fundamentals of photography series) Order no. MN 5383.

History and construction of the camera; types of cameras, film holders, camera bodies, lenses, shutter adjustments, and screens.

Buy from UWF. LC card FIE 52-1372.

**Basic electricity.**

MP, USAF, 1948. 19 min, sd, color. Order no. AF 213-a.

An animated cartoon explaining the fundamentals of electricity, including voltage, current, resistance, magnetic fields, induction, primary and secondary coils, series and parallel circuits.

Borrow from USAF. Buy from UWF. LC card FIE 52-1465.

**Basic electronics.**

MP, USAF, 1948. 18 min, sd, color. Order no. AF 213-b.

An animated cartoon explaining

the meaning of atoms and electrons, vacuum tube, cathode, rectifier tube, amplifier tube, grid, and bridge circuits.

Borrow from USAF. Buy from UWF. LC card FIE 52-1464.

**Basic engineer reconnaissance.**

MP, USA, 1952. 26 min, sd, b&w. Order no. TF 5-1676.

Describes and illustrates the means used for engineer reconnaissance.

Borrow from USA. Cleared for TV. LC card FIE 55-182.

**Basic hydraulic governor.**

MP, USN, 1943. 17 min, sd, b&w. (Diesel engine governors series. Marquette governor, no. 1) Order no. MN 2598-a.

Function of Marquette hydraulic governor; basic construction; operation of principal parts of the hydraulic system. Schematic animation.

Buy from UWF. LC card FIE 52-1097.

**Basic hydraulics.**

MP, USN, 1945. 9 min, sd, color. Order no. MN 5027-a.

Demonstrates and explains the physical laws, mechanical advantages, and applications of basic hydraulics. Illustrates three basic units of a hydraulic system--pump, pipe, and cylinder.

Borrow from USCAA Film Libraries. Buy from UWF. LC card FIE 52-1348.

**Basic laboratory training for nonprofessional workers series, nos. 1-4.**

GS-1 meets the laboratory  
Handling and use of glassware  
Care of laboratory animals  
Using animals in the laboratory

**Basic machines series.**

See Machine shop work series.  
Basic machines.

**Basic map reading series, nos. 1-8.**

Topographic symbols  
Elevation, distance, and grid  
Direction, orientation, and location with compass  
Direction, orientation, and location without a compass  
Photos and photomaps



**Basic morality.**

FS, USA, 1950. 26 fr, color.  
(The character guidance program series. The chaplain's hour) Order no. FS 16-8.

Explains the principles of morality and contrasts the moralities of life existing in United States and Russia. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2958.

**Basic net mending.**

MP, USFWS, 1948. 17 min, sd, color.

Shows the equipment and basic procedures used in the mending of large fish nets.

Borrow from USFWS. Buy from UWF. LC card FIE 53-140.

**Basic portraiture lighting.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 273.

Illustrates the basic procedures and arrangements for portrait lighting, and demonstrates the four fundamental types of lighting used by photographers, namely, front, 45-degree, side, and back lighting.

Buy from UWF. LC card FIE 52-1466.

**Basic principles of frequency modulation.**

MP, USA, 1944. 31 min, sd, b&w. Order no. TF 11-2069.

Describes what "FM" is in radio communication, how it is used, and what its advantages and limitations are.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1569.

**Basic principles of kitchen layouts.**

FS, USPHS, 1953. 84 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Food handling series) Order no. F 148-c.

Explains by artists' drawings and narration the basic principles of layout of kitchen facilities and equipment for eating establishments, showing sizes and shapes of kitchens, work flow arrangements, factors affecting

economy and efficiency of equipment layout, location of storage facilities, and the relationship of proper equipment to cleanliness. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-739.

**Basic principles of refrigeration.**  
FS, USPHS, 1951. 71 fr, b&w with disc: 16 in, 33 1/3 rpm, 14 min. (Food handling series, no. 1) Order no. F 21-a.

Explains the importance of refrigeration in the prevention of food-borne disease outbreaks, the principles of the cooling cycle, and the maintenance and proper use of a refrigerator.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-977.

**The basic principles of skiing.**

MP, USA, 1941. 38 min, sd, b&w. Order no. TF 11-168.

Describes the basic instructions given to ski troops, shows their equipment, and demonstrates methods of walking and climbing. Borrow from USA. LC card FIE 55-148.

**Basic principles of the analytical balance.**

MP, USPHS, 1951. 19 min, sd, b&w. Order no. M12. Explains the uses of the analytical balance and shows how to find the zero point of the balance, find its sensitivity, calibrate the weights, weigh an object, and weigh out a predetermined amount of material. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-209.

**Basic principles of the analytical balance.**

FS, USPHS, 1951. 100 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. F 12.

Covers same material as in motion picture with the same title. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-972.

**Basic principles of the reciprocating engine.**

FS, USCG, 1943. 81 fr, b&w. Order no. SCG 176.



Shows by diagrams the steam cycle of the reciprocating engine, its construction and principal parts, and its method of operation. Buy from UWF. LC card FIE 52-805.

**Basic telephony.**

MP, USA, 1949. 20 min, sd, b&w. Order no. TF 11-1553.

Explains the basic principles involved in telephones and telephone circuits.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1565.

**Basic typing: Machine operation.** MP, USN, 1943. 29 min, sd, b&w. Order no. MN 1512-b.

Demonstrates various typing speeds from 35 to 180 words per minute; functions and uses of the principal parts of a typewriter; and correct touch for noiseless, manual, and electric machines. Buy from UWF. LC card FIE 52-68.

**Basic typing: Methods.**

MP, USN, 1943. 31 min, sd, b&w. Order no. MN 1512-a.

Demonstrates correct posture for typing; proper fingering of the keys; use of the shift key, back spacer, tabulator, carriage return lever, etc.; and differences between manual and electric typewriters.

Buy from UWF. LC card FIE 52-67.

**Bathing the bed patient.**

MP, USN, 1943. 20 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-c.

Demonstrates how to make a bed without disturbing the patient, and how to bathe a patient.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-958.

**Bathing the patient: Home care.**

MP, USOE, 1945. 24 min, sd, b&w. (Nursing series) Order no. OE 403. With instructor's manual.

Procedures for bathing a patient in the home; equipment and sup-

plies; methods of bathing--including draping, soaping, rinsing, and drying of each body part; techniques of oral hygiene, massaging, and shaving.

Buy from UWF. LC card FIE 52-338.

**Bathing the patient: Home care.** FS, USOE, 1945. 52 fr, b&w. (Nursing series) Order no. OE 403-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2782.

**The battery, ignition, and electrical system.**

MP, USOE, 1945. 26 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 2) Order no. OE 462. With instructor's manual. How to check and service the battery; check the starting motor, generator, lighting circuit, electrical instruments, and ignition system.

Buy from UWF. LC card FIE 52-356.

**The battery, ignition, and electrical system.**

FS, USOE, 1945. 55 fr, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 2) Order no. OE 462-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2812.

**Battle for time.**

MP, US Defense, 1950. 29 min, sd, b&w. Order no. CB 101.

Military operations in Korea from July 10 to August 10, 1950.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1652.

**Battle in the Tarai.**

MP, USIA, 1952. 10 min, sd, b&w. Portrays the development of the Tarai district in India as a home for refugees from Punjab, and the Indian Government's efforts



to reclaim the land and reduce malaria. Highlights the story of one family that settled in this area. Prepared for overseas use. Buy from UWF. Cleared for TV. LC card FIE 53-498.

**The battle of Britain.**

MP, USA, 1943. 55 min, sd, b&w. (Why we fight series) Order no. OF 4.

Documentary film record of the bombing of England by the German Luftwaffe in 1940, and of the defense by the Royal Air Force. Buy from UWF. LC card FIE 52-1712.

**Battle of Leyte: Brought to action.**

MP, USN, 1944. 21 min, sd, b&w. Order no: MN 5297.

Documentary account of the battle for Leyte, Philippine Islands, during World War II.

Borrow from USN. LC card FIE 52-1327.

**Battle of the beetles.**

MP, USDA, 1952. 16 min, sd, color or b&w.

Shows the damage done by bark beetles to healthy Engelmann spruce growing in National Forests and Parks; and describes how the U.S. Forest Service with the assistance of the Bureau of Entomology and Plant Quarantine has been working to stop the spread of this insect infestation. Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2149.

**Battling brucellosis.**

MP, USDA, 1946. 20 min, sd, color.

Shows proper methods of ridding a dairy herd of brucellosis: testing all cows, slaughtering diseased cattle, vaccinating calves, and thoroughly cleaning barns and yards. Contains animated diagrams of the physiology of the disease.

Rent from USDA film libraries. LC card FIE 52-483.

**Bavarian holiday.**

MP, USA, 1946. 19 min, sd, b&w. Order no. MF 1285.

Shows a soldier on a holiday furlough spent at Koenigssee in Bavaria. Produced for recruiting purposes.

Borrow from USA. LC card FIE 55-193.

**Beach approaches.**

MP, USN, 1943. 41 min, sd, b&w. (Fundamentals of patrol plane handling series) Order no. MN 1338-1.

Explains the essentials of a good beach approach, procedures and rules to follow when taxiing into the beach under various wind conditions, and the duties of the beachmaster and the beach crew.

Buy from UWF. LC card FIE 52-1005.

**Beachhead secured.**

MP, USN, 1950. 14 min, sd, b&w. Order no. MN 6707.

Shows Navy participation in one of the peacetime airborne-amphibious exercises of the Armed Forces; and particularly how the Navy transported, landed, and protected combat troops in an amphibious assault on Vieques.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1294.

**Beaching and launching small seaplanes and amphibians.**

FS, USN, 1943. 56 fr, b&w. Order no. SN 2785.

Demonstrates the procedure and gear for launching and beaching single and double float seaplanes and amphibians.

Buy from UWF. LC card FIE 52-1803.

**Beaching and launching VP boats.**

FS, USN, 1942. 64 fr, b&w. Order no. SN 823.

Explains how to beach and launch a large flying boat.

Buy from UWF. LC card FIE 52-1878.

**Bearing disassembly and inspection.**

MP, USN, 1944. 14 min, sd, b&w. (Cooper Bessemer Diesel engine



maintenance series) Order no. MN 2364-c.

Demonstrates how to disassemble main bearings, inspect, take readings on the bearing shell, and use care in handling the parts. Buy from UWF. LC card FIE 52-1226.

**Bearing reassembly.**

MP, USN, 1943. 11 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series) Order no. MN 2364-d.

Demonstrates how to roll the bearing shell back into place; install cap, wedge blocks, and wedge shoe; and connect the lube oil line.

Buy from UWF. LC card FIE 52-1227.

**Bearing removal and inspection, 8-268A engine.**

MP, USN, 1943. 17 min, sd, b&w. (Progressive maintenance Diesel propulsion engine series) Order no. MN 209-d.

Demonstrates how to disassemble the main bearing; inspect, clean, and replace bearing shells; and reassemble the bearing.

Buy from UWF. LC card FIE 52-1052.

**Bearings.**

MP, USN, 1945. 11 min, sd, b&w. (General Motors 16-278A Diesel engine series) Order no. MN 3707-b.

Deals with the maintenance of bearings, and demonstrates how to remove main bearings, inspect and install bearing shells.

Buy from UWF. LC card FIE 52-1141.

**Bearings.**

MP, USN, 1945. 9 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engine series. Disassembly) Order no. MN 3708-c.

How to remove, inspect, and install main bearing cap, lower bearing shell, and upper bearing shell.

Buy from UWF. LC card FIE 52-1368.

**Bearings, single line of position, and fixes.**

MP, USAF, 1942. 19 min, sd, b&w. (Celestial navigation series) Order no. TF 1-344.

Explains bearing, line of position, circle of equal altitude, fix and intercept, plotting of assumed position and intercept, and selection of celestial bodies for observation.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1475.

**The Beaver-Selja incident.**

MP, USN, 1943. 5 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-y.

Collision of the Beaver and the Selja; and the reasons therefor. Buy from UWF. LC card FIE 52-955.

**Because she is there.**

MP, USAF, 1953. 14 min, sd, b&w. Order no. SFP 280.

Depicts the duties and responsibilities of an Air Force flight nurse, including pre-service training, Air Force training, and Air Force duties.

Borrow from USAF. Cleared for TV. LC card FIE 54-39.

**Bednetting, part 1.**

MP, USA, 1954. 5 min, sd, b&w. Order no. MF 8-8240.

Stresses the dangers to soldiers in the field from mosquitoes and the importance of using bednetting and aerosol bombs correctly. Compares bednetting to a suit of armor.

Buy from UWF. LC card FIE 55-1.

**Bednetting, part 2.**

MP, USA, 1954. 5 min, sd, b&w. Order no. MF 8-8241.

Stresses the dangers to soldiers in the field from mosquitoes and the importance of using bednetting and aerosol bombs correctly. Compares the mosquito proboscis to a spear.

Buy from UWF. LC card FIE 55-2.



**Beds and appliances.**

MP, USN, 1943. 10 min, sd, b&w.  
(Care of the sick and injured by  
hospital corpsmen series) Order  
no. MN 1511-d.

Demonstrates how to make and  
adjust a bed and a bunk, raise the  
patient's feet and head, keep the  
weight of the cover off the pa-  
tient's feet, and use a fracture  
board.

Borrow from USN-Bumed. Buy  
from UWF. LC card FIE 52-959.

**Before you fly.**

MP, USN, 1945. 35 min, sd, b&w.  
(Primary flight training series)  
Order no. MN 3474-b.

Demonstrates pre-flight inspec-  
tion, starting and stopping proce-  
dures, and care of parachutes.

Borrow from USCAA film librar-  
ies. Buy from UWF. LC card  
FIE 52-1163.

**The beginning.**

MP, USMC, 1952, 21 min, sd,  
b&w. Order no. MH 6780.

Presents a dramatized story of  
the training of a platoon of Marine  
recruits at Paris Island, S. C.,  
with emphasis upon the traditions  
of the Marine Corps.

Borrow from USN or USMC. Buy  
from UWF. Cleared for TV. LC  
card FIE 53-3.

**Behind the flyways.**

MP, USFWS, 1951. 29 min, sd,  
color.

Explains the reasons for migra-  
tory waterfowl regulations from  
the viewpoint of a hunter. Con-  
tains scenes from the Arctic  
Ocean to the Rio Grande River  
showing how hunters, biologists,  
and fieldmen collect information  
about waterfowl migrations, and  
how the regulations are made.

Borrow from USFWS. Buy from  
Calvin. Cleared for TV. LC card  
FIE 53-527.

**Belo Horizonte.**

MP, USOIAA, 1944. 18 min, sd,  
b&w.

Explains the development of Belo  
Horizonte, Brazil's "planned city  
with a plan."

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE  
52-697.

**Below knee amputation.**

MP, USA, 1946. 14 min, sd, color.  
Order no. PMF 5031.

Demonstrates a method of ampu-  
tation immediately following in-  
jury and in secondary repair of  
a stump. For medical personnel.

Borrow from USAFIP. LC card  
FIE 52-2230.

**Bench molding series.**

See Foundry practice series.  
Bench molding.

**Bench work, 8-268A engine.**

MP, USN, 1943. 14 min, sd, b&w.  
(Progressive maintenance Diesel  
propulsion engine series) Order  
no. MN 209-c.

Demonstrates how to check parts  
for cracks, use ring expansion  
tool, insert wrist pin bearings,  
reassemble piston, and replace  
needles in the eye of connecting  
rod.

Buy from UWF. LC card FIE  
52-1051.

**Benchwork, part 1.**

MP, USN, 1945. 14 min, sd, b&w.  
(General Motors 16-278A Diesel  
engine series) Order no. MN  
3707-e.

How to remove valves, overspeed  
trip assembly, transfer block,  
and check valve.

Buy from UWF. LC card FIE  
52-1359.

**Benchwork, part 2.**

MP, USN, 1945. 19 min, sd, b&w.  
(General Motors 16-278A Diesel  
engine series) Order no. MN  
3707-f.

How to clean and inspect the  
head; resurface valve seats; lap  
valves; and "mike" guides and  
valves.

Buy from UWF. LC card FIE  
52-1360.

**Benchwork, part 3.**

MP, USN, 1945. 12 min, sd, b&w.  
(General Motors 16-278A Diesel  
engine series) Order no. MN  
3707-g.



How to install valves, overspeed trip, and transfer block; test valve and relief valve assembly; and start air starting check valve. Buy from UWF. LC card FIE 52-1361.

#### Benchwork, part 4.

MP, USN, 1945. 26 min, sd, b&w. (General Motors 16-278A Diesel engine series) Order no. MN 3707-h.

How to disassemble the piston assembly; inspect and "mike" the piston, wrist pin, and wrist pin bearings; check ring clearance; reassemble piston and rod; and inspect, clean, and "mike" the liner.

Buy from UWF. LC card FIE 52-1362.

#### Benchwork series.

See Benchwork sub-series under following series titles: Cooper Bessemer Diesel engine maintenance; Machine shop work; Fairbanks Morse Diesel engine maintenance; Progressive maintenance on the General Motors 12-567A Diesel engines.

#### Bending copper tubing to a wire template.

MP, USOE, 1944. 22 min, sd, b&w. (Shipbuilding skills series. Coppermithing, no. 1) Order no. OE 102. With instructor's manual.

How tubing is annealed, cooled, and filled with rosin; how a wire template is made; and how bends are marked on copper tubing, made, and checked.

Buy from UWF. LC card FIE 52-805.

#### Bending copper tubing to a wire template.

FS, USOE, 1944. 37 fr, b&w. (Shipbuilding skills series. Coppermithing, no. 1) Order no. OE 102-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2686.

#### Bending oak techniques.

MP, USN, 1950. 17 min, sd, b&w. Order no. FN 6734.

Demonstrates techniques of bending oak billets of Navy motor launch hulls; presentation of bending machines, procedure prior to bending, cautions to be observed during bending operations, storing of bent billets, and cutting of ribs.

Buy from UWF. LC card FIE 52-1246.

#### Bending to a cleat.

MP, USCG, 1943. 3 min, sd, b&w. Order no. MCG 306.

Explains how bending to a cleat is used in mooring operations, and demonstrates the procedure.

Buy from UWF. LC card FIE 52-857.

#### Bending to a cleat.

FS, USCG, 1943. 15 fr, b&w. Order no. SCG 306.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-816.

#### The Benelux countries.

MP, US Defense, 1954. 22 min, sd, b&w. Order no. AFIF 54.

Study of Belgium, the Netherlands, and Luxemburg, covering the historical background, and current social, economic, and military status of each. Explains the significance of the customs union, named Benelux, formed by these three countries.

Borrow from USA or USAF. LC card FIE 54-375.

#### Benign dental tumors.

MP, USA, 1950. 29 min, sd, color. Order no. PMF 5136.

Gives the history, diagnosis, characteristics, treatment, and results of various cases of benign dental tumors. For professional personnel.

Borrow from USAFIP. LC card FIE 53-30.

#### Bennington College.

MP, USIA, 1953. 23 min, sd, b&w. Describes the teaching methods at Bennington College, Vermont.



and illustrates these methods by tracing the college career of one student, including her activities in the classroom and in the community as she prepares herself in her chosen field. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-497.

**Bent with the years.**

MP, USA-CAD, 1949. 20 min, sd, b&w.

Explains some of the changes being made in the ways of living of Japanese women, and emphasizes their activities in and benefits derived from the post-war rural cooperative associations which have been formed by Japanese women. Prepared for use in occupied areas, particularly Japan.

Buy from UWF. LC card FIE 52-1966.

**Best by test.**

MP, US Defense, 1948. 21 min, sd, b&w. Order no. AFSR 96.

Portrays the choice of foods, tastefulness, dietary value, and method of service in the Army.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1402.

**Better eating.**

MP, USIAA, 1947. 7 min, sd, color.

Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.

Buy from USIAA. Cleared for TV. LC card FIE 52-558.

**Better farming; more milk.**

MP, USIAA, 1947. 10 min, sd, color.

Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.

Buy from USIAA. Cleared for TV. LC card FIE 52-557.

**A better tomorrow.**

MP, USOWI, 1945. 24 min, sd, b&w. (American scene series, no. 8)

Shows activities of children and youth in the New York City public schools, and stresses the values of free public education open to all. Prepared for overseas use.

Buy from UWF. LC card FIE 52-782.

**The bevel protractor.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Precision measurement, no. 7) Order no. OE 50. With instructor's manual.

Principles of the vernier bevel protractor; how to set and read the bevel protractor, and use the protractor to lay out angular work and to check angles.

Buy from UWF. LC card FIE 51-500.

**The bevel protractor.**

FS, USOE, 1945. 34 fr, b&w. (Machine shop work series. Precision measurement, no. 7) Order no. OE 50-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-20.

**Beveling, grooving, and rounding.**

MP, USN, 1944. 27 min, sd, b&w. (Optical craftsmanship series) Order no. MN 2449-g.

Illustrates techniques involved in grooving, beveling, and rounding both flat and curved surfaces; demonstrates importance of beveling edges of all optical surfaces to prevent chipping, adaptation of surface grinder for grooving, and two common types of rounding machines.

Buy from UWF. LC card FIE 52-1112.

**Beveling, mitering, rabbeting, and dadoing.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining series. Operations on the variety saw, no. 2) Order no. OE 307. With instructor's manual.

How to cut a bevel with tilted fence; set a miter gage; use a stopblock in mitering; set the



fence and blade for cutting rabbets; and install and use a dado head.

Buy from UWF. LC card FIE 52-59.

**Beveling, mitering, rabbeting, and dadoing.**

FS, USOE, 1945. 35 fr, b&w. (Precision wood machining series. Operations on the variety saw, no. 2) Order no. OE 307-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2554.

**Beveling, stop chamfering, and tapering square stock.**

MP, USOE, 1945. 20 min, sd, b&w. (Precision wood machining series. Operations on the jointer, no. 2) Order no. OE 303. With instructor's manual.

How to set fence for bevel cutting; adjust the proper amount of cut; cut chamfer; set the infeed and outfeed tables and stop blocks; and cut tapers.

Buy from UWF. LC card FIE 52-63.

**Beveling, stop chamfering, and tapering square stock.**

FS, USOE, 1945. 62 fr, b&w. (Precision wood machining series. Operations on the jointer, no. 2) Order no. OE 303-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2551.

**The big gamble.**

MP, USDA, 1953. 15 min, sd, b&w. Dramatizes some of the risks of farming--floods, drought, fire, insects, etc.--and explains how the Federal Crop Insurance Corp. can help farmers whose crops may be damaged or destroyed.

Borrow from USFCIC. Rent from USDA film libraries. Cleared for TV. LC card FIE 53-555.

**Big pipe maneuver.**

MP, USA-Eng, 1951. 18 min, sd, color.

Shows the fabrication of twin steel culverts 12 x 15,000 feet, their insertion into an excavated channel, and the diversion of a creek through them, thus providing a way for an aircraft runway extension at McChord Air Force Base.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1992.

**Big river.**

MP, USA-Eng, 1953. 30 min, sd, color.

Depicts the changes which have taken place in navigation on the lower Mississippi River and on the inland waterways system in recent years. Contrasts early steamboat navigation with the modern Diesel towboats, and shows the variety of commodities transported on the waterways system.

Borrow from USA-Eng. Cleared for TV. LC card FIE 53-278.

**The big wheel.**

MP, USA, 1950. 17 min, sd, b&w. Order no. MF 7723.

History of 35th Infantry Division. Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1629.

**Bikini--radiological laboratory.**

MP, USAEC, 1950. 22 min, sd, color.

A pictorial record of a survey by University of Washington scientists of the effects of radioactivity upon plant and marine life on Bikini Island 3 1/2 years after the Able and Baker atomic bomb explosions.

Borrow from USAEC. Buy from UWF. Cleared for TV. LC card FIE 53-139.

**Bilharziasis in water fowl.**

MP, USA, 1949. 18 min, sd, b&w. Order no. PMF 5126.

Describes the essential elements of the life cycle of bilharziasis, with detailed studies of the movements of worms and cercariae. For professional personnel.

Borrow from USAFIP. LC card FIE 53-33.



**Biology and control of the cockroach.**

FS, USPHS, 1953. 62 fr, color with disc; 16 in, 33 1/3 rpm, 9 min. Order no. F 91.

Shows five common species of the "domestic" cockroach, identification and life cycle of each species, habits of cockroaches, methods of inspecting premises for cockroaches, and control measures.

Borrow from USPHS-CDC. Buy from UWF. LC card F1E 54-740.

**Biology of domestic flies.**

MP, USPHS, 1952. 9 min. sd, b&w. (Community fly control series) Order no. M 80.

Explains the life cycle of the house fly; characteristics of domestic flies (house, blow, flesh, and stable flies); typical breeding places; public health implications of the fly's mechanisms for transmitting disease organisms and filth; and control measures.

Borrow from USPHS-CDC. Buy from UWF. LC card F1E 53-223.

**Biology of domestic flies.**

FS, USPHS, 1951. 81 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (Community fly control series) Order no. F 80.

Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. Buy from UWF. LC card F1E 53-980.

**Birds; their value to agriculture.**

FS, USDA, 1947. 61 fr, single or double, b&w. Order no. 675. With lecture notes.

Explains life and habits of birds and their economic value due to their use of insects as food. Shows provisions for protection and emergency feeding of birds.

Buy from PhotoLab. LC card F1E 52-2934.

**Birth certificate.**

See Awee binaitaon.

**Birth of a giant.**

MP, USA-Eng, 1950. 28 min, sd, color.

Contains scenes of the construction of McNary Dam on the Columbia River, and explains its importance in terms of flood control, navigation, and hydro-electric power.

Borrow from USA-Eng. Cleared for TV. LC card F1E52-1976.

**Birth of an era.**

MP, USA-Eng, 1954. 27 min, sd, color.

Shows the construction of the Clark Hill Dam on the Savannah River, and explains the importance of the planned development of the Savannah River basin for flood control, power, and navigation. Illustrates by animation how hydroelectric power is generated in a dam.

Borrow from USA-Eng. Cleared for TV. LC card F1E 54-424.

**Biseau, chanfrein arrete et effilage progressif d'une piece carree.**

MP, USOE, 1951. 20 min, sd, b&w. Order no. OE 303-Fr. French version of motion picture with title, Beveling, stop chamfering, and tapering square stock.

How to set fence for bevel cutting, adjust the proper amount of cut, cut chamfer, set the infeed and outfeed tables and stop blocks, and cut tapers.

Buy from UWF. LC card F1E 53-450.

**Biseau, onglet, feuillure, et entaille.**

MP, USOE, 1951. 19 min, sd, b&w. Order no. OE 307-Fr. French version of motion picture with title, Beveling, mitering, rabbeting, and dadoing.

How to cut a bevel with tilted fence; set a miter gage; use a stopblock in mitering; set the fence and blade for cutting rabbets; and install and use a dado head.

Buy from UWF. LC card F1E 53-455.

**Bite 'em and C.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)



Explains the selection, care and uses of oranges. Produced especially for use on television. Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-644.

**Black marketing.**

MP, USOWI, 1943. 11 min, sd, b&w.

Dramatization of a typical case taken from the files of the Office of Price Administration, showing the operation of a black market and its defeat by cooperative efforts of the public and law-enforcement officials.

Buy from UWF. LC card FIE 52-770.

**The blacksmith: Calculating and bending rings and links.**

MP, USN, 1944. 21 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2350-a.

Teaches elementary shipsmithing including linear calculation of stock, forming of rings and links, forge welding, and the use of common hand blacksmith's tools.

Buy from UWF. LC card FIE 52-1231.

**The blacksmith: Calculating and forging a deck socket wrench.**

MP, USN, 1944. 19 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2350-b.

Shows the steps taken in forging a deck socket wrench from reading the blueprint and selecting the stock to forging and finishing.

Buy from UWF. LC card FIE 52-1193.

**Blanking and piercing.**

MP, USBM, 1944. 16 min, sd, b&w. (How to form aluminum series) Order no. 205.

Shows techniques of blanking and piercing aluminum; operations of the die and punch; "gang blanking"; the Guerin method; the uses of different kinds of shears and saws and the routing machine.

Borrow from USBM. Cleared for TV. LC card FIE 52-634.

**Blanking sheet metal on the squaring shear.**

MP, USOE, 1943. 15 min, sd, b&w. (Aircraft work series. Blanking sheet metal, no. 1) Order no. OE 130. With instructor's manual.

How to lay out tapered blanks on an aluminum sheet; set up a hand-operated squaring shear; use holddowns and treadle; and check and trim blanks.

Buy from UWF. LC card FIE 52-30.

**Blanking sheet metal on the squaring shear.**

FS, USOE, 1943. 59 fr, b&w. (Aircraft work series. Blanking sheet metal, no. 1) Order no. 130-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2523.

**Blanking sheet metal series.**

See Aircraft work series. Blanking sheet metal.

**Blanking sheet metal with hand snips.**

MP, USOE, 1943. 18 min, sd, b&w. (Aircraft work series. Blanking sheet metal, no. 2) Order no. OE 131. With instructor's manual.

How to cut along a straight line; cut an outside circle, a notch, an inside line; and remove burrs left by cutting.

Buy from UWF. LC card FIE 52-31.

**Blanking sheet metal with hand snips.**

FS, USOE, 1943. 45 fr, b&w. (Aircraft work series. Blanking sheet metal, no. 2) Order no. OE 131-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2522.

**Blanking with rotary and high speed shears.**

MP, USOE, 1945. 16 min, sd, b&w. (Aircraft work series. Blanking sheet metal, no. 4) Order no. OE 292. With instructor's manual.



How to set up rotary and high-speed shears; make test cuts; and operate the shears for production runs.

Buy from UWF. LC card F1E 52-283.

**Blanking with rotary and high speed shears.**

FS, USOE, 1945. 36 fr, b&w. (Aircraft work series. Blanking sheet metal, no. 4) Order no. OE 292-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2728.

**Blanking with the swing arm router.**

MP, USOE, 1944. 17 min, sd, b&w. (Aircraft work series. Blanking sheet metal, no. 3) Order no. OE 132. With instructor's manual.

How to operate a swing-arm router; set up the work and template for routing; change router bits; rout internal and external contours.

Buy from UWF. LC card F1E 52-32.

**Blanking with the swing arm router.**

FS, USOE, 1944. 36 fr, b&w. (Aircraft work series. Blanking sheet metal, no. 3) Order no. OE 132-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2525.

**Blastomyces dermatitidis.**

FS, USPHS, 1954. 45 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (Laboratory identification of systemic fungi, no. 1) Order no. F 116-a.

Illustrates clinical signs and histologic aspects of Blastomyces dermatitidis, and techniques used in the microscopic examination of specimens.

Borrow from USPHS-CDC. LC card F1E 55-504.

**Bleeding hydraulic brakes.**

FS, USN, 1943. 58 fr, b&w. Order no. SN 2794.

Indicates the three general types of hydraulic airplane brakes and explains the need for bleeding these brakes when air gets into the line. Shows step-by-step how to bleed each type.

Borrow from USCAA film libraries. LC card F1E 54-767.

**Blind riveting.**

MP, USOE, 1945. 15 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 8) Order no. OE 294. With instructor's manual. Necessity for blind riveting; how to rivet parts that are completely blind; and use special tools and rivets in blind riveting jobs.

Buy from UWF. LC card F1E 52-279.

**Blind riveting.**

FS, USOE, 1945. 25 fr, b&w. (Aircraft work series. Assembling and riveting, no. 8) Order no. OE 294-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2652.

**Blister rust: Enemy of the pines.** MP, USDA, 1949. 16 min, sd, color.

Shows the many varied uses of pines; the life cycle of white pine blister rust, a fungus disease; and control measures being used to stop its spread.

Borrow from USFS-BR. Rent from USDA film libraries. Buy from UWF. LC card F1E 52-449.

**The block census.**

FS, USFCDA, 1952. 66 fr, color with disc: 12 in, 33 1/3 rpm, 12 min. Order no. 2. With training bulletin.

Shows how a civil defense block warden gathers information about the people in his block and prepares a block census.

Borrow from USFCDA. Buy from SVE. LC card F1E 55-523.

**Block that termites.**

MP, USDA, 1940. 20 min, sd, b&w. Shows how to prevent termite infestation in new buildings, and



how to arrest further damage in termite-infested buildings.

Rent from USDA film libraries.  
Buy from UWF. LC card FiE 52-367.

**Blood and bullets.**

MP, US Defense, 1951. 14 min, sd, b&w. Order no. AFSR 134.

Emphasizes the need for whole blood for use in Korea, describes processing of blood for shipment to combat areas, and explains how a person can donate blood.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-2041.

**Blood bank in Natoussa.**

MP, USA, 1945. 21 min, sd, b&w. Order no. FB 176.

Shows blood being procured from U.S. Army donors in the North African theater of operations. Illustrates methods of collecting, storing, and delivering blood for battle casualties.

Borrow from USAFIP. LC card FiE 53-78.

**Blue lupine.**

MP, USDA, 1947. 15 min, sd, color.

How to plant and harvest blue lupine, a nitrogen-producing cover crop used in the South; and how to clean, store, and care for blue lupine seed.

Rent from USDA film libraries.  
Buy from UWF. LC card FiE 52-372.

**Blue ribbon.**

MP, USIA, 1948. 22 min, sd, b&w.

Shows family life and activities of rural youth in the United States, 4-H club activities and exhibits at county agricultural fairs, and "blue ribbon" awards given to boys and girls for livestock, farm produce, and homemaking projects. Prepared for overseas use.

Buy from UWF. LC card FiE 52-888.

**Blue tongue.**

MP, USDA, 1954. 9 min, sd, color.

Describes the history and geographical distribution of blue

tongue, catarrhal fever of sheep; symptoms, lesions, and pathology characteristics of the disease; and means of prevention and control.

Borrow from USDA. LC card FiE 55-3.

**The bluejacket's personal hygiene.**

MP, USN, 1943. 19 min, sd, b&w. Order no. MN 1509.

Stresses the importance of cleanliness and good health in the Navy. Describes correct posture, care of feet, hands, fingernails, hair, teeth, eyes, and ears; and explains how to prevent communicable diseases and avoid colds.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1066.

**Board of education.**

MP, USA-CAD, 1951. 23 min, sd, b&w.

Explains the benefits of a consolidated school and how the residents of a rural community in the United States organized to obtain such a school with improved educational opportunities for their children. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card no. FiE 52-1965.

**Bob Marshall comes home.**

MP, USDA, 1946. 21 min, sd, b&w.

How a Navy veteran, determined to have electricity on his farm, presents his story to the REA Coop, overcomes objections, convinces the board of directors, and wins approval of his application. Includes scenes depicting benefits of rural electrification.

Rent from USDA film libraries.  
Buy from UWF. LC card FiE 52-390.

**The body, part 1.**

FS, USN, 1942. 43 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. (First aid series) Order no. SN 216-a.

Shows by photographs and drawings the parts of the body: bones, muscles, tendons, skin, blood, head, trunk, limbs.



Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1843.

**The body, part 2.**

FS, USN, 1942. 46 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. (First aid series) Order no. SN 216-b.

Shows by photographs and drawings the circulatory, respiratory, digestive, and nervous systems of the body.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1844.

**The boiler.**

FS, USCG, 1943. 96 fr, b&w. Order no. SCG 117.

Explains the formation of steam; defines such terms as "latent heat of steam" and "superheated steam"; and shows general parts of water and fire-tube boilers.

Buy from UWF. LC card FIE 52-848.

**Boiler repair, water side: Closing the boiler.**

MP, USN, 1954. 10 min, sd, b&w. Order no. MN 7861-d.

Shows how to close the boiler and prepare it for service again after all necessary inspections have been made to the water sides, including inspection and replacement of faulty tubes.

Buy from UWF. LC card FIE 55-211.

**Boiler repair, water side: Introduction.**

MP, USN, 1954. 9 min, sd, b&w. Order no. MN 7861-a.

Introduction to basic problems and conditions leading to boiler repairs, both water side and fire side. Discusses failure of tubes, their inspection and/or replacement, condition of the refractory, and various checkpoints.

Buy from UWF. LC card FIE 55-208.

**Boiler repair, water side: Removing boiler tubes.**

MP, USN, 1954. 10 min, sd, b&w. Order no. MN 7861-b.

Shows proper tools, materials, methods, precautions, and over-

all conditions for replacing boiler tubes. Stresses safety precautions.

Buy from UWF. LC card FIE 55-209.

**Boiler repair, water side: Replacing boiler tubes.**

MP, USN, 1954. 8 min, sd, b&w. Order no. MN 7861-c.

Shows how to replace boiler tubes after they have been properly removed and inspected for possible faults in operation and safety.

Buy from UWF. LC card FIE 55-210.

**Boiler repairs, fire side: Building walls and floors.**

MP, USN, 1954. 13 min, sd, b&w. Order no. MN 7862-a.

Shows the materials and methods to be utilized in building walls and floors in the fire side of the boiler. Step-by-step analysis of laying insulating brick and fire-brick, by layers, and painting with air-setting mortar.

Buy from UWF. LC card FIE 55-212.

**Boiler repairs, fire side: High temperature castable refractories.**

MP, USN, 1954. 14 min, sd, b&w. Order no. MN 7862-d.

Explains the use of high temperature castable refractory and castable chrome ore, conditions necessary for their utilization, and all necessary steps for application, from pre-mixing of materials to air-drying and baking-out.

Buy from UWF. LC card FIE 55-215.

**Boiler repairs, fire side: Installing plastic chrome ore.**

MP, USN, 1954. 5 min, sd, b&w. Order no. MN 7862-c.

Shows how to apply plastic chrome ore in a boiler through portrayal of an actual installation from beginning to end. Stresses careful procedures and safety.

Buy from UWF. LC card FIE 55-214.



**Boiler repairs, fire side: Installing plastic fire brick.**  
MP, USN, 1954. 7 min, sd, b&w.  
Order no. MN 7862-b.

Discusses conditions for using plastic firebrick and shows the step-by-step method of applying this material. Explains its advantages and disadvantages.

Buy from UWF. LC card FIE 55-213.

**Bomb blast and burns.**

MP, USN, 1943. 13 min, sd, color. (Personnel damage control series) Order no. MN 836-c.

Explains how explosion fragments cause serious burns, wounds, and internal injuries and how first, second, and third degree burns affect layers of the skin.

Borrow from USN-BuMed. Withdrawn from sale in 1954. LC card FIE 52-1313.

**Bomber.**

MP, USOWI, 1942. 10 min, sd, b&w.

Shows the manufacture of the B-36 Army bomber and its speed and power in flight. Commentary especially written by Carl Sandburg.

Buy from UWF. LC card FIE 52-776.

**Bombs over Tokyo.**

MP, USMC, 1947. 18 min, sd, b&w. Order no. MH 9145.

Review of the amphibious operations of the Marine Corps in the Pacific which were necessary to obtain air and naval bases for the bombing of Japan.

Borrow from USMC. LC card FIE 54-301.

**Booking of military offenders.**

MP, USA, 1952. 17 min, sd, b&w. Order no. TF 19-1799.

Explains correct methods and procedures to be followed in recording incidents and processing military offenders at military police headquarters, and in searching such prisoners and handling their personal property.

Borrow from USA. LC card FIE 55-130.

**Books for everyone.**

MP, USA-CAD, 1950. 11 min, sd, b&w.

Shows how the manufacture and distribution of millions of paper-bound books in America makes various types of publications easily available for education or entertainment. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1964.

**Boring holes with offset boring head.**

MP, USOE, 1945. 28 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 7) Order no. OE 209. With instructor's manual.

How to mount the workpiece on the milling machine table; bore with an offset boring head; and use plug gages and a micrometer to check the center distance between the holes.

Buy from UWF. LC card FIE 51-607.

**Boring holes with offset boring head.**

FS, USOE, 1945. 45 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 7) Order no. OE 209-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-115.

**Boring to close tolerances.**

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 11) Order no. OE 59. With instructor's manual.

How to mount and adjust the brass valve bonnet in a ring fixture; rough- and finish-face the hub; rough- and finish-bore the hole to close tolerances; prevent bell-mouth when boring a hole.

Buy from UWF. LC card FIE 51-508.

**Boring to close tolerances.**

FS, USOE, 1944. 24 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 11) Order no. OE 59-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-28.

**Borneo and Celebes.**

FS, USN, 1944. 91 fr, color with disc: 16 in, 33 1/3 rpm, 20 min. (Theatres of war series. Pacific area; Netherlands East Indies) Order no. SN 1538-q.

Reviews the geographical features of Borneo and Celebes; and stresses the danger of Japanese patrols and the possible advantages of befriending natives for safe travel to a friendly base. Buy from UWF. LC card FIE 52-1761.

**Bougainville.**

MP, USA, 1948. 9 min, sd, b&w. (Historical reports series) Order no. HR-A-5.

Historical report of the landing operation and subsequent capture of Bougainville in 1943 by the American 37th Division, 14th Corps, and 3rd Marine Division. Borrow from USA. Buy from UWF. LC card FIE 52-1685.

**The bounteous earth.**

MP, USOIAA, 1942. 9 min, sd, color. (Mexican fiestas series, no. 2)

Two fiestas closely related to the agricultural life of the Mexicans; blessing of animals on Candlemas Day in Cholula; harvest dances in tropical Tehuantepec. Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-87.

**The bowline.**

MP, USCG, 1943. 4 min, sd, b&w. Order no. MCG 307.

Demonstrates how to bend a bowline.

Buy from UWF. LC card FIE 52-856.

**The bowlines.**

FS, USCG, 1943. 33 fr, b&w. Order no. SCG 307.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-817.

**Brake and landing gear mechanism inspection, part 1.**

FS, USN, 1942. 34 fr, b&w. Order no. SN 110-a.

Demonstrates how to inspect the landing gear and brake assembly of a single engined plane with fixed landing gear; and inspect and service landing gear and brake assembly of twin-engined plane with retractable landing gear.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1830.

**Brake and landing gear mechanism inspection, part 2.**

FS, USN, 1942. 67 fr, b&w. Order no. SN 110-b.

Describes the operation and inspection of the retractable landing gear of a Douglas transport.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1831.

**Brazil.**

MP, USOIAA, 1943. 11 min, sd, color. (South American medley series, no. 4)

Views of Santos, Sao Paulo, Rio de Janeiro, and the Amazon country.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-698.

**Brazil gets the news.**

MP, USOIAA, 1942. 10 min, sd, b&w.

Publication of a Sao Paulo newspaper from the receipt of a dispatch to the sale of the paper on the street. a

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-676.

**Brazilian quartz goes to war.**

MP, USOIAA, 1943. 10 min, sd, b&w.

Report on the mining of quartz in Brazil and of the importance of quartz in the production of radio equipment and other war supplies.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-685.



**Brazil's fishing school.**

MP, USOIAA, 1943. 15 min, sd, b&w.

Story of the Marambaia Fishing School, on the Bay of Ilha Grande, which trains Brazilian boys in fishing arts--building and handling small boats, making and repairing nets, and catching all kinds of fish from sardines to sharks.

Rent from USOIAA film libraries.

Buy from UWF. LC card FIE 52-699.

**Brazing carbide tools.**

MP, USOE, 1945. 18 min, sd, b&w. (Machine shop work series. Carbide cutting tools, no. 1) Order no. OE 241. With instructor's manual.

Characteristics of carbide tools; how to braze carbide tools with silver solder; make a sandwich braze; braze by other methods; and remove the carbide tip from the shank.

Borrow from USAF. Buy from UWF. LC card FIE 51-610.

**Brazing carbide tools.**

FS, USOE, 1945. 41 fr, b&w. (Machine shop work series. Carbide cutting tools, no. 1) Order no. OE 241-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-83.

**Brazing flanges with silver solder.**

MP, USOE, 1944. 13 min, sd, b&w. (Shipbuilding skills series. Copper-smithing, no. 3) Order no. OE 104. With instructor's manual.

How tubing and silver brazing flanges are fitted; flux applied; heat applied to draw silver solder in and out; and flanges cleaned after soldering.

Buy from UWF. LC card FIE 52-248.

**Brazing flanges with silver solder.**

FS, USOE, 1944. 27 fr, b&w. (Shipbuilding skills series. Copper-smithing, no. 3) Order no. OE 104-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2716.

**Brazing flanges with spelter.**

MP, USOE, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Copper-smithing, no. 2) Order no. OE 103. With instructor's manual.

How copper tubing is prepared for flanges; flanges fitted for brazing; borax applied before brazing; tube and flange brazed over a forge; and brazed flanges prepared for installation on the hull.

Buy from UWF. LC card FIE 52-229.

**Brazing flanges with spelter.**

FS, USOE, 1944. 37 fr, b&w. (Shipbuilding skills series. Copper-smithing, no. 2) Order no. OE 103-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2717.

**Break your match.**

MP, USDA, 1953. 40 sec, sd, b&w. (Smokey Bear forest fire prevention, series 3--"pledge" trailers--no. 1).

Explains the importance of breaking a match after its use in order to prevent fires. Prepared for television use.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 53-595.

**Breakbone fever, "dengue".**

MP, USN, 1944. 8 min, sd, color. (Medicine in action series, no. 3) Order no. MN 3726-c.

Shows effectiveness of mosquito control in checking the incidence of dengue in the Southwest Pacific.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-992.

**Breakthrough.**

MP, USECA, 1950. 18 min, sd, b&w.

Reviews the construction of the electric power plant at Aura,



Norway, and explains its significance in terms of labor, Marshall aid, and the struggle of men and machines against nature. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card F1E 53-586.

**Breast cancer: The problem of early diagnosis.**

MP, USPHS and ACS, 1949. 34 min, sd, color. With booklet.

A survey of cancer of the breast, covering normal breast development, clinical pathology of breast cancer, and examination of the breast; and stressing early diagnosis and treatment in lowering mortality figures. For general practitioners, gynecologists, residents, interns, medical students, nurses.

Borrow from ACS or USPHS-NCI. Buy from ACS. LC card F1A 52-157.

**Breast self-examination.**

MP, USPHS and ACS, 1950. 16 min, sd, color.

Demonstrates a simple method for self-examination of the breast, designed to encourage women to make this examination a regular health habit. For general audiences of adult women, nurses, medical students, and physicians.

Borrow from ACS or USPHS-NCI. Buy from ACS. LC card F1A 52-173.

**The breaststroke, sidestroke, and underwater swimming.**

MP, USCG, 1943. 12 min, sd, b&w. Order no. MCG 115-aj.

Demonstrates the breaststroke and the sidestroke, and how to swim under water.

Buy from UWF. LC card F1E 52-859.

**Breeds of sheep.**

FS, USDA, 1939. 56 fr, b&w. Order no. 141. With lecture notes. Illustrates how breeds of sheep are classified on the basis of fine, medium, or coarse wool, and karakul fur.

Buy from PhotoLab. LC card F1E 52-2842.

**Breeds of swine.**

FS, USDA, 1940. 33 fr, b&w. Order no. 44. With lecture notes.

Pictures several breeds of swine commonly used in producing market hogs in the United States; compares lard and bacon types.

Buy from PhotoLab. LC card F1E 52-2843.

**Bringing an old Wisconsin farmhouse up to date.**

FS, USDA, 1935. 45 fr, b&w. Order no. 354. With lecture notes.

How a farm family remodeled an old timber house using lumber from their own woods.

Withdrawn from active circulation in 1952. LC card F1E 52-2910.

**Broaching an internal keyway.**

MP, USOE, 1945. 23 min, sd, b&w. (Machine shop work series. Operations on a broaching machine, no. 1) Order no. OE 236. With instructor's manual.

Principles of internal broaching and of broaching tool design; how to select the broaching tool for the job, and set up and operate the horizontal broaching machine. Buy from UWF. LC card F1E 51-581.

**Broaching an internal keyway.**

FS, USOE, 1945. 35 fr, b&w. (Machine shop work series. Operations on a broaching machine, no. 1) Order no. OE 236-1a.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-90.

**Broken bones.**

See Pre-first aid: What to do.

**Bronchiogenic carcinoma.**

MP, USVA, 1951. 16 min, sd, color.

Explains the incidence of bronchiogenic carcinoma, its diagnostic features and surgical management; and points out that patients with bronchiogenic carcinoma can be cured if diagnosis and treatment are introduced at an early stage of the disease. For medical personnel.



Borrow from USVA. Buy from UWF. LC card FIE 53-88.

**Brooklyn Technical High School.**  
MP, USA-CAD, 1950. 10 min, sd, b&w.

Scenes of equipment and classes in engineering, construction, and manufacturing procedures being held in a technical high school in the United States. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1963.

**Browning machine gun caliber .30: Principles of operation.**  
MP, USA, 1954. 21 min, sd, b&w. Order no. TF 9-1861.

Describes the purpose and functioning of the Browning machine gun caliber .30, the component parts of the weapon, and the mechanical functioning of the weapon. Demonstrates its firepower capabilities and value to a tactical unit.

Borrow from USA. LC card FIE 55-220.

**Brucellosis of cattle (Bang's disease)**

FS, USDA, 1942. 48 fr, single or double, b&w. Order no. 632. With lecture notes.

History, symptoms, causes, and methods of controlling brucellosis.

Buy from PhotoLab. LC card FIE 52-2928.

**Buenos Aires and Montevideo.**  
MP, USOIAA, 1942. 10 min, sd, color. (South American medley series, no. 3)

Tourist view of the cities of Buenos Aires and Montevideo.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-700.

**Building a bomber.**

MP, USOWI, 1942. 19 min, sd, b&w.

Explains in detail the manufacture of the B-26 Army bomber. Intended primarily for students in engineering colleges and vocational schools.

Buy from UWF. LC card FIE 52-771.

**Building a box beam spar.**

MP, USOE, 1944. 21 min, sd, b&w. (Aircraft work series. Wood fabrication, no. 2) Order no. OE 297. With instructor's manual.

How to assemble parts of the spar in a jig; apply aircraft glue; clamp parts together for a good glue bond; varnish surfaces; and use jigs for accurate drilling.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-311.

**Building a box beam spar.**

FS, USOE, 1944. 47 fr, b&w. (Aircraft work series. Wood fabrication, no. 2) Order no. OE 297-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2772.

**Building a tank.**

MP, USOWI, 1942. 20 min, sd, b&w.

Shows the construction of the M-3 Army tank, including technical details of manufacture.

Buy from UWF. LC card FIE 52-772.

**Building a wooden rib.**

MP, USOE, 1944. 19 min, sd, b&w. (Aircraft work series. Wood fabrication, no. 1) Order no. OE 296. With instructor's manual.

How to assemble, fit, and glue wooden parts in a jig; fit and position the gussets to the framework; apply aircraft glue and varnish.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-312.

**Building a wooden rib.**

FS, USOE, 1944. 38 fr, b&w. (Aircraft work series. Wood fabrication, no. 1) Order no. OE 296-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2771.

**Building and utility layout.**

FS, USA, 1945. 56 fr, b&w. (Surveying series) Order no. FS 5-78.



Describes the procedure for surveying and laying out roads, utilities, and buildings at an army installation.

Borrow from USA. Buy from UWF. LC card FIE 52-2946.

**Building construction, advanced base type.**

MP, USN, 1952. 20 min, sd, b&w. Order no. MN 7438.

Demonstrates the erection of packaged buildings, the steel arch rib buildings, 40 x 100 and 20 x 48, and the 40 x 100 steel straight side buildings. Explains the preparation of site, laying of footings, and problems peculiar to packaged buildings.

Buy from UWF. Cleared for TV. LC card FIE 54-193.

**Building techniques series.**

Foundations and concrete  
Framing: Floor joists and walls  
Framing: Hip and valley rafters  
Framing: Rafter principles and common rafters  
Fundamentals of stair layout  
Interior and exterior trim

**Building the fire line.**

MP, USDA, 1951. 27 min, sd, color.

Shows a typical forest fire problem and the tactics used by the fire boss, foremen, and crews--locating the fireline, deployment of men, assignment of tools, and choice of effective control and suppression measures.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 52-2150.

**The bulkhead: Laying off and fitting a centerline stiffener.**

MP, USOE, 1942. 16 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8) Order no. OE 31. With instructor's manual.

Design of a centerline bulkhead stiffener; how to lay out the main stiffener bar with the waterlines and work lines; lay out, cut, and

fit a main stiffener bracket and tripping brackets.

Buy from UWF. LC card FIE 52-198.

**The bulkhead: Laying off and fitting a centerline stiffener.**

FS, USOE, 1943. 46 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 8) Order no. OE 31-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2678.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines.**

MP, USOE, 1942. 18 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7) Order no. OE 30. With instructor's manual.

How to align templates to a bulkhead plate; mark off stiffener work lines on the bulkhead plate; and prepare the plate for welding the stiffeners.

Buy from UWF. LC card FIE 52-197.

**The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines.**

FS, USOE, 1943. 43 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 7) Order no. OE 30-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2677.

**The bulkhead: Setting a transverse watertight bulkhead into the hull.**

MP, USOE, 1942. 17 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9) Order no. OE 32. With instructor's manual.

How to square a transverse bulkhead to a frame line and the centerline of the ship; set the bulkhead to proper height and declivity; cut the bulkhead to fit the innerbottom; and fit the bulkhead to the hull and tack-weld it.



Buy from UWF. LC card FIE 52-199.

**The bulkhead: Setting a transverse watertight bulkhead into the hull.**

FS, USOE, 1943. 57 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 9) Order no. OE 32-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2679.

**Bull's eye for farmer Pietersen.** MP, USECA, 1950. 20 min, sd, b&w.

Shows how a Dutch farmer convinces his neighbors that mechanized farming on a cooperative basis, using Marshall Aid equipment, means higher production and more leisure. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-568.

**Buoys and beacons.**

MP, USN, 1944. 10 min, sd, color. (Aids to navigation series) Order no. MN 202-ab.

Explains the functions and distinguishing features of buoys and beacons--color, numbering, shape, and characteristics of lights; and shows how to identify each type.

Buy from UWF. LC card FIE 52-1065.

**Burma today.**

MP, USECA, 1952. 25 min, sd, b&w.

Describes, social, political, and economic conditions in Burma in 1951, and shows scenes of the country and people. Produced for overseas use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-589.

**Burnishing pivots.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 9)

Explains that burnishing the pivots of a watch balance shaft reduces friction, and demonstrates how to burnish pivots at different angles.

Borrow from USVA. LC card FIE 54-180.

**Burns.**

FS, USN, 1942. 38 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (First aid series) Order no. SN 222.

How to distinguish between burns and scalds; and how to recognize and treat first-, second-, and third-degree burns.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1853.

**Burroughs newsboy foundation.**

MP, USA-CAD, 1949. 10 min, sd, b&w.

Description of the school, clubhouse, and summer camp given to Boston's newsboys by a former newsboy, Harry E. Burroughs. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2093.

**Bus care and maintenance.**

MP, USOE, 1945. 13 min, sd, b&w. (Automotive series. School bus operation, no. 1) Order no. OE 494. With instructor's manual.

Importance of daily and weekly maintenance checks; how to start, steer, and stop the bus; how to double clutch; and the importance of safe driving habits.

Buy from UWF. LC card FIE 52-328.

**Bus care and maintenance.**

FS, USOE, 1945. 51 fr, b&w. (Automotive series. School bus operation, no. 1) Order no. OE 494-fs.

Supplements motion picture of same title.

Buy from UWF. LC card FIE 52-2791.

**Bus operation series.**

See Automotive series. Bus operation.

**Businessmen's service club.**

MP, USIA, 1951. 23 min, sd, b&w.

Shows how members of the Kiwanis Club in Waterbury, Conn., as a community service to high-school students, give evening talks about their businesses and



professions; and how the students work after school in various businesses in order to gain experience. Prepared for overseas use.

Buy from UWF. LC card FiE 52-2209.

**Buying good food.**

FS, USPHS, 1950. 50 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Taking care of diabetes series, no. 6) Order no. 5-146. With film guide.

Explains how foods are arranged in groups called "exchange lists" and how diabetics can use such lists to select a variety of foods.

Borrow from USPHS-CDC. Buy from HPI. LC card FiE 53-954.

**CAA communications system.**

FS, USCAA, 1946. 50 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order no. CA 7.

Explains the operations and functions of various facilities used in the communications system of the U.S. Civil Aeronautics Administration.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 53-840.

**The CARE story.**

MP, USA-CAD, 1950. 10 min, sd, b&w.

An explanation of the purposes and operations of the Cooperative for American Remittances to Europe. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-1961.

**Cable splicing. Part 1: The five-tuck navy splice.**

FS, USN, 1942. 49 fr, b&w. Order no. SN 67-a.

Materials, tools, and methods used in replacing spliced control cable connections. Demonstrates the five-tuck navy splice.

Buy from UWF. LC card FiE 52-1823.

**Cable splicing. Part 2: The Roebling roll splice.**

FS, USN, 1942. 45 fr, b&w. Order no. SN 67-b.

Steps in threading and rolling a Roebling cable splice.

Buy from UWF. LC card FiE 52-1824.

**Cable surface wiring.**

MP, USOE, 1944. 17 min, sd, b&w. (Electrical work series. Wiring, no. 10) Order no. OE 377. With instructor's manual.

How to make an electrical entrance to a building; install non-metallic sheathed cable; handle and install porcelain fittings; support and connect cable; and prepare and connect wires for service.

Buy from UWF. LC card FiE 52-100.

**Cable surface wiring.**

FS, USOE, 1944. 48 fr, b&w. (Electrical work series. Wiring, no. 10) Order no. OE 377-fa.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2558.

**Caesarean sections.**

MP, USA, 1953. 42 min, sd, color. Order no. PMF 5226.

Demonstrates the surgical techniques used in performing various types of caesarean sections, including classical caesarean section, low cervical section, extra-peritoneal section, and caesarean hysterectomy. For medical personnel.

Borrow from USAFIP. Buy from UWF. LC card FiE 53-468.

**The caissons go rolling along.**

MP, USOWI, 1942. 3 min, sd, b&w. The song of the Field Artillery, sung off-screen by Robert Weede, against appropriate scenes of artillery in action.

Buy from UWF. LC card FiE 52-743.

**California and its natural resources.**

MP, USBM, 1952. 40 min, sd, color. Order no. 226.



Presents a panorama of the scenic and mineral resources of California, with particular reference to petroleum and natural gas resources and their role in the development of power.

Borrow from USBM. Cleared for TV. LC card F1E 52-654.

**Campaign reports series.**

Appointment in Tokyo  
Liberation of Rome  
San Pietro  
The Stillwell Road

**Campus on the march.**

MP, USOWI, 1942. 19 min, sd, b&w.

Shows wartime activities carried on in American colleges and universities in 1942.

Buy from UWF. LC card F1E 52-773.

**Canada.**

MP, US Defense, 1953. 18 min, sd, b&w. Order no. AFIF 43.

Explains Canada's geography, history, way of life, industries, economy, government, and current role in world affairs.

Borrow from USA or USAF. Cleared for TV. LC card F1E 53-655.

**Cancer education.**

MP, USA-CAD, 1950. 11 min, sd, b&w.

Shows the operation of a mobile X-ray clinic alerting the townspeople through advance announcement, X-raying citizens, educating them toward self-examination, and checking on all possible cases of incipient cancer. Produced for use in occupied areas.

Buy from UWF. Cleared for TV. LC card F1E 52-1962.

**Cancer: The problem of early diagnosis.**

MP, USPHS and ACS, 1949. 31 min, sd, color. With booklet.

Surveys the incidence of five common forms of cancer--breast, cervix, stomach, lung, and large intestine--and shows in each case how early diagnosis and treatment have reduced mor-

tality figures. For general practitioners, residents, interns, medical students.

Borrow from ACS or USPHS-NCI. Buy from ACS. LC card F1A 52-164.

**Cane sugar.**

MP, USDA, 1939. 6 min, sd, b&w. Short version, prepared for school use, of motion picture with the title, Sugarcane.

How sugarcane is grown and harvested in Louisiana, and how sugar is manufactured.

Rent from USDA film libraries. Buy from UWF. LC card F1E 52-422.

**Canning beef.**

MP, USOE, 1945. 17 min, sd, b&w. (Farm work series. Food preservation, no. 2) Order no. QE 455. With instructor's manual.

How to prepare soup stock; pre-heat beef; pack hot beef in cans; seal the cans; process canned beef; and cool and dry the cans before packing.

Buy from UWF. LC card F1E 52-306.

**Canning beef.**

FS, USOE, 1945. 49 fr, b&w. (Farm work series. Food preservation, no. 2) Order no. OE 455-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2763.

**Canning chicken.**

FS, USDA, 1945. 45 fr, single or double, b&w. Order no. 658. With lecture notes.

A demonstration of how to cut up and can poultry according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab. LC card F1E 52-2880.

**Canning fruits and tomatoes.**

FS, USDA, 1945. 49 double fr, b&w. Order no. 660. With lecture notes.



Shows equipment and methods recommended by the Bureau of Human Nutrition and Home Economics for canning peaches and tomatoes.

Buy from PhotoLab. LC card FIE 52-2836.

#### Canning meat.

FS, USDA, 1945. 40 fr, single or double, b&w. Order no. 659. With lecture notes.

Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab. LC card FIE 52-2891.

#### Canning vegetables the steam-pressure way.

FS, USDA, 1945. 32 double fr, b&w. Order no. 661. With lecture notes.

Shows how to can snap beans according to methods recommended by the Bureau of Human Nutrition and Home Economics.

Buy from PhotoLab. LC card FIE 52-2837.

#### Capacitance.

MP, USN, 1943. 31 min, sd, b&w. (Radio technician training series) Order no. MN 1540-a.

Demonstrates electron flow through a circuit, the charging and discharging of condensers, variation of a charge on a condenser in relation to time, and the behavior of capacitance with alternating current.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-907.

#### Capacitance.

FS, USN, 1943. 22 fr, b&w. (Radio technician training series) Order no. SN 1540-aa.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-908.

#### Capacitive reactance.

FS, USN, 1942. 29 fr, b&w. Order no. SN 648.

Explains the basic theory of capacitive reactance and its application to radio instruments.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1868.

#### Capital story.

MP, USOWI, 1945. 20 min, sd, b&w.

Dramatizes a particular activity of the U.S. Public Health Service involving the work of industrial hygienists and analytical chemists in locating the cause of pulmonary anemia among welders in a New England shipyard. Prepared for overseas use.

Borrow from USPHS. Buy from UWF. LC card FIE 52-752.

#### Carbide cutting tools series.

See Machine shop work series. Carbide cutting tools.

#### Carbide woodworking tools: Care and grinding.

MP, USN, 1954. 13 min, sd, b&w. Order no. MN 7977-a.

Shows how to store and issue carbide woodworking tools, how to handle them for transporting, and how to grind them. Discusses advantages and special characteristics of the tools.

Buy from UWF. LC card FIE 55-216.

#### Carbide woodworking tools: How to use.

MP, USN, 1954. 15 min, sd, b&w. Order no. Mn 7977-b.

Demonstrates the correct use of cemented carbide tools on the vertical spindle shaper, table saw, over-arm radial saw, straight line rip saw, trim saw, bandsaw, lathe, portable router, and multiple head moulder. Shows the method of setting up each machine and safety precautions to be observed.

Buy from UWF. LC card FIE 55-217.

#### Carburetion.

MP, USAF, 1941. 37 min, sd, b&w. (Aircraft engines series) Order no. TF 1-137.



Explains through animation the functions, parts, and variations of aircraft engine carburetors; air and gas mixtures used; variations in ratio of gas and air desirable for idling, acceleration, and maximum power; and special problems created by dives and operation at high altitudes. Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1477.

**The carburetor, part 1.**  
FS, USCG, 1942. 53 fr, b&w. Order no. SCG 154-c.  
Explains the need for vaporizing gasoline mixture before combustion takes place; and shows how the mixture is vaporized by spray, vacuum, and heat.  
Buy from UWF. LC card FIE 52-825.

**The carburetor, part 2.**  
FS, USCG, 1944. 64 fr, b&w. Order no. SCG 154-d.  
Shows and explains the parts of a carburetor and their functions.  
Buy from UWF. LC card FIE 52-826.

**The carburetor, part 3.**  
FS, USCG, 1942. 40 fr. b&w. Order no. SCG 154-e.  
Explains devices for controlling air-fuel mixture in idling, accelerating, and starting, and the purpose of the flame arrestor.  
Buy from UWF. LC card FIE 52-827.

**The care and cleaning of photographic lenses.**  
FS, USAF, 1942. 58 fr, b&w. Order no. FS 1-48.  
Stresses the importance of proper care and cleaning of lenses; shows the effects of improperly cleaned lenses; and gives precautions to be followed in using and handling of lenses.  
Buy from UWF. LC card FIE 52-1907.

**Care and maintenance of tapered roller bearings.**  
MP, USA, 1941. 31 min, sd, b&w. Order no. TF 11-257.

Explains how to disassemble, clean, inspect, lubricate, and reassemble tapered roller bearings.

Borrow from USA. Buy from UWF. LC card FIE 52-1559.

**Care and operation of gun cameras.**  
OMP, USN, 1945. 22 min, sd, b&w. Order no. MN 4376.  
Shows various types of gun cameras; demonstrates how to set speed-change dial, speed index ring, and lens diaphragm ring; and explains the maintenance, lubrication, and installation of a gun camera.  
Buy from UWF. LC card FIE 52-1336.

**Care and operation of the coffee urn.**  
FS, USA, 1948. 54 fr, b&w, with disc: 16 in, 33 1/3 rpm, 18 min. Order no. SFS 10-183.  
Demonstrates how to operate a coffee urn singly and in battery, and brew coffee with urn bag and metal basket; and explains the importance of regular and thorough cleaning of the urn.  
Borrow from USA. Buy from UWF. LC card FIE 52-2972.

**Care and repair of farm machinery.**  
FS, USDA, 1942. 49 fr, b&w. Order no. 628.  
Charts and diagrams showing how to repair and service different machines commonly used on farms.  
Buy from PhotoLab. LC card FIE 52-2930.

**Care and repair of flight controls.**  
FS, USN, 1943. 68 fr, b&w. Order no. SN 295.  
Shows step-by-step how to inspect the flight controls and determine their condition, and indicates under what circumstances it may be necessary to replace or repair them.  
Borrow from USCAA film libraries. LC Card FIE 54-768.



**Care and treatment of face and jaw wounds.**

FS, USA, 1942. 37 fr, b&w. Order no. FS 8-36.

Demonstrates first aid and therapy for various types of wounds of soft tissues and bony structures, control of hemorrhage, clearance and maintenance of air passages; application of traction, treatment of shock, injections, use of antitoxins, toxoids, debridement, and surgical measures. For medical personnel. Borrow from USAFIP. LC card no. FIE 53-832.

**Care and use of hand tools series, nos. 1-6.**

Wrenches

Pliers and screw drivers

Chisels

Hammers

Bars, punches, and drifts

Hacksaws

**Care of a tractor.**

MP, USOE, 1944. 22 min, sd, b&w. (Farm work series. Equipment maintenance, no. 6) Order no. OE 454. With instructor's manual.

Day-by-day operating care of a tractor; importance of periodic inspections; parts of the tractor, including cooling system, fuel system, and ignition system.

Buy from UWF. LC card FIE 52-323.

**Care of a tractor.**

FS, USOE, 1944. 40 fr, b&w. (Farm work series. Equipment maintenance, no. 6) Order no. OE 454-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2796.

**Care of laboratory animals.**

FS, USPHS, 1953. 80 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 3) Order no. F 106-c.

Explains methods for handling, housing, and feeding rabbits, mice, rats, and other laboratory animals.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-702.

**Care of the cardiac patient.**

MP, USOE, 1945. 33 min, sd, b&w. (Nursing series) Order no. OE 419. With instructor's manual.

Nursing care given a cardiac patient, including comfort, rest, sleep, diet, feeding elimination, cleanliness, and diversional and occupational therapy.

Buy from UWF. LC card FIE 52-322.

**Care of the cardiac patient.**

FS, USOE, 1945. 77 fr, b&w. (Nursing series) Order no. OE 419-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2767.

**Care of the feet.**

MP, USN, 1946. 10 min, sd, color. Order no. MN 6143.

Shows by a translucent model the structure and function of the foot; explains the causes of footaches; and demonstrates the use of a shoe fitting machine.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1351.

**Care of the feet.**

FS, USPHS, 1950. 49 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Taking care of diabetes series, no. 10) Order no. 5-150. With film guide.

Explains why the diabetic patient should take care of his feet, and shows methods to be followed.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-958.

**Care of the newborn baby: The nurse's role in instructing the parents.**

MP, USOE, 1944. 31 min, sd, b&w. (Nursing series) Order no. OE 412. With instructor's manual.

Nurse's functions and duties in teaching parents to care for newborn babies; what the nurse can do in the home, clinic, and hos-



pital; and how to hold, dress, bathe, and feed a baby.

Buy from UWF. LC card FiE 52-335.

**Care of the newborn baby: The nurse's role in instructing the parents.**

FS, USOE, 1944. 93 fr, b&w. (Nursing series) Order no. OE 412-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2785.

**Care of the patient with diabetes mellitus: Complicated.**

MP, USOE, 1945. 23 min, sd, b&w. (Nursing series) Order no. OE 418. With instructor's manual.

Nurse's role in the diagnosis and treatment of coma and insulin shock, and the role of the nurse, doctor, dietician, and psychiatrist in assisting the patient to develop a healthy mental attitude toward his condition.

Buy from UWF. LC card FiE 52-310.

**Care of the patient with diabetes mellitus: Complicated.**

FS, USOE, 1945. 48 fr, b&w. (Nursing series) Order no. OE 418-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2768.

**Care of the patient with diabetes mellitus: Uncomplicated.**

MP, USOE, 1945. 29 min, sd, b&w. (Nursing series) Order no. OE 417. With instructor's manual.

Symptoms of diabetes; how the nurse teaches the patient to administer insulin injections, regulate diet, and make the Benedict test for sugar in the urine.

Buy from UWF. LC card FiE 52-321.

**Care of the patient with diabetes mellitus: Uncomplicated.**

FS, USOE, 1945. 49 fr, b&w. (Nursing series) Order no. OE 417-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2797.

**Care of the sick and injured by hospital corpsmen series.**

Bathing the bed patient

Beds and appliances

Catheterizing the male patient

Chain of asepsis

Enemas

The enemy bacteria

Evening care

Isolation technique

Lumbar puncture

Many men at many guns

Morning care

The n.p. patient

Oral medications

Post-operative care

Pre-operative care

Surgical dressings

Taking a blood pressure

Temperature, pulse, and respiration

**Career for tomorrow.**

MP, USCG, 1951. 30 min, sd, color. Revision of motion picture with the title, Coast Guard Academy.

Shows student life at the U.S. Coast Guard Academy, New London, Conn., including scenes of drills, study periods, training, living quarters, sports, and social activities.

Borrow from USCG. Cleared for TV. LC card FiE 52-850.

**Cargo critical.**

MP, USAF, 1950. 14 min, sd, b&w/ Order no. SFP 255.

How the Military Air Transport Service flies sick and wounded members of the Armed Forces from remote bases throughout the world to hospitals in the United States. Shows wounded G.I.'s being flown from the battlefield in Korea to Tokyo and then to the United States.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1427.

**Cargo dropping.**

MP, USDA, 1950. 20 min, sd, color. (Aerial freight delivery series)



Shows how to drop equipment and supplies from an airplane by parachute to forest fire fighting crews in the field.  
Buy from UWF. LC card FIE 53-242.

**Cargo handling gear, basic operation.**

MP, USA, 1943. 15 min, sd, b&w. (Military stevedoring series, no. 2) Order no. TF 55-1005.

Demonstrates the basic movements of unloading--vertical upward, horizontal, and vertical downward; how to operate winches in loading and unloading; and how to top the boom.

Borrow from USA. Buy from UWF. LC card FIE 52-1584.

**Cargo retrieving.**

MP, USDA, 1950. 20 min, sd, color. (Aerial freight delivery series)

Shows techniques of retrieving from trees equipment and supplies dropped by parachute from airplanes to forest fire fighting crews.

Buy from UWF. LC card FIE 53-244.

**Cargoing and loading.**

MP, USDA, 1950. 20 min, sd, color (Aerial freight delivery series)

Shows how to load an airplane with equipment and supplies to be dropped by parachute to forest fire fighting crews in the field.

Buy from UWF. LC card FIE 53-243.

**Carolines, Marianas, Bonin Islands.**

FS, USN, 1943. 87 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Theatres of war series. Pacific area) Order no. SN 1538-f.

Explains the military value, climate and atolls surrounding the islands, and the food, temperament, and religion of the inhabitants of the islands.

Buy from UWF. LC card FIE 52-1753.

**Carrier action off Korea.**

MP, USN, 1954. 13 min, sd, b&w. Order no. MN 9272.

Activities of U.S. Navy airplane carriers and planes during the Korean War.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-425.

**Carrier telephone terminal CF-1-A. Part 1: General description.**

FS, USA, 1944. 70'fr, b&w. Order no. FS 11-84.

Explains the general characteristics of the CF-1-A, a four-wire transportable carrier telephone terminal which can be quickly installed for field operation.

Borrow from USA. Buy from UWF. LC card FIE 52-2977.

**Carrier telephone terminal CF-1-A. Part 2: Functional description.**

FS, USA, 1944. 76 fr, b&w. Order no. FS 11-90.

Explains in detail the characteristics and operation of the CF-1-A carrier telephone terminal.

Borrow from USA. Buy from UWF. LC card FIE 52-2978.

**Carry the fight.**

MP, USCG, 1943. 10 min, sd, b&w

Describes briefly the role of the U.S. Coast Guard in combating submarines in the Atlantic during World War II.

Borrow from USCG. LC card FIE 52-868.

**Castaway.**

MP, USN, 1944. 64 min, sd, b&w. (Castaway series) Order no. MN 2306-a.

Illustrates, through dramatization, the things a pilot shot down over the Pacific should and should not do. Covers landing in ocean, living in rubber raft, existing on a dry island, arriving on an inhabited island, lashing equipment to raft, finding food and water, getting along with natives, etc.

Buy from UWF. LC card FIE 52-1181.



**Castaway series.****Castaway**

The coconut as food and drink  
Identification of South Pacific plants

Making useful articles from coconut material.

**The casting of dental gold alloys:  
Thermal expansion technique.**

MP, USNBS, 1951. 16 min, sd, color.

Explains that the fabrication of accurately fitting dental castings is dependent upon proper selection and use of materials. Covers the prevention of warpage of wax patterns, selection and attachment of the sprue, investing, eliminating the wax pattern, and melting and casting the alloy. For dental personnel.

Borrow and buy from USNBS.  
LC card FIE 54-353.

**Caterpillar cable control unit.**

MP, USA, 1953. 8 min, sd, b&w. (Operator's adjustments, D-7 tractor, no. 6) Order no. TF 5-1827.

How to operate the caterpillar cable control unit, detect operational trouble, and correct the trouble. Emphasizes the cable control clutch and brake adjustments.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-514.

**Catheterizing the male patient.**

MP, USN, 1944. 16 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-w.

Explains the procedure for catheterizing the male patient and suggests several means which may be used to avoid the necessity for catheterization.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-971.

**The cathode ray oscilloscope.**

MP, USN, 1944. 24 min, sd, b&w. Order no. MN 2104-b.

Explains the purpose of the cathode ray oscilloscope, examines the general principles of operation,

and demonstrates various operating checks.

Borrow from USCAA film libraries. LC card FIE 54-271.

**The cathode ray tube: How it works.**

MP, USN, 1943. 15 min, sd, b&w. Order no. MN 2104-a.

Demonstrates the construction and function of various parts of the cathode ray tube. Explains electrostatic and electromagnetic deflection and how varied currents affect the position of the spot of light on the scope.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1034.

**Cattle grubs or heel flies.**

FS, USDA, 1942. 33 fr, single or double, b&w. Order no. 637. With lecture notes.

Shows the seasonal and life cycles of the cattle grub, its attack on cattle, and control measures suitable for farm and range herds.

Buy from PhotoLab. LC card FIE 52-2848.

**Cavity preparation.**

MP, USN, 1948. 11 min, sd, color. (Operative dentistry series, no. 2) Order no. MN 5369-b.

Complete operation supplemented by animated models showing close views and cavity forms. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1381.

**Celestial instruments. Part 2: Aerial sextants.**

FS, USAF, 1943. 84 fr, b&w. (Aerial navigation series) Order no. FS 1-325.

Explains the principle of the aerial sextant, describes the construction of the link bubble sextant (models A-11 and A-12), and tells how to operate and properly care for these models.

Borrow from USCAA film libraries. LC card FIE 53-1012.

**Celestial navigation series.**

Bearings, single line of position, and fixes



Introduction and location of celestial points  
Latitude by Polaris  
Position finding on the earth  
Solution of illustrative problems in celestial navigation  
Time

**Celestial sphere and time. Part 2: Celestial sphere.**

FS, USAF, 1942. 53 fr, b&w. (Aerial navigation series) Order no. FS 1-203.

Explains the concept of the celestial sphere and defines the terms used in celestial air navigation.

Borrow from USCAA film libraries. LC card FiE 53-1024.

**Centering, edge grinding, and beveling.**

MP, USOE, 1944. 27 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 185. With instructor's manual.

How to center lenses by collimator; set up lenses for edge- and bevel-grinding in single spindle or two spindle machine; and edge- and bevel-grind lenses.  
Buy from UWF. LC card FiE 52-352.

**Centering, edge grinding, and beveling.**

FS, USOE, 1944. 66 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 185-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2808.

**Centering small stock.**

MP, USOE, 1942. 12 min, sd, b&w. (Machine shop work series. Bench work, no. 7) Order no. OE 39. With instructor's manual.

How to locate the center of round, square, and rectangular pieces of stock, using surface gage, hermaphrodite calipers, center head and steel rule, and combination square.

Buy from UWF. LC card FiE 51-534.

**Centering small stock.**

FS, USOE, 1944. 34 fr, b&w. (Machine shop work series. Bench work, no. 7) Order no. OE 39-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-44.

**Centerville, USA.**

MP, USMC, 1947. 15 min, sd, b&w. Order no. MH 6609.

Portrays a small town and the experiences of the young men of the town who join the U.S. Marine Reserve, attend the weekly meetings, and go to the summer camps. Prepared for recruiting purposes.

Borrow from USMC. LC card FiE 53-509.

**Central meat cutting plants.**

MP, USA, 1950. 17 min, sd, b&w. Order no. TF 10-1527.

Shows how careful planning, operation, and distribution by central meat cutting plants which employ production line methods, insure the maximum benefit from meat and the utilization of all edible parts.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1554.

**El centro de salubridad.**

MP, USHAA, 1947. 8 min, sd, color. Spanish version of motion picture with the title, Your health center.

Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.

Buy from USHAA. Cleared for TV. LC card FiE 52-576.

**Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states.**

MP, USPHS, 1938. 17 min, si, b&w. (Introduction to clinical neurology series, no. 3)

Shows symptoms of nystagmus in Friedrich's ataxia, past-point-



ing in a case of head injury scarring cerebellum, pendulous knee jerk in a case of cerebellar tumor, anterior horn disease, radical nerve paralysis, median nerve paralysis, and peripheral facial paralysis. Presents several epileptiform seizures of various types and etiology. For medical personnel.

Buy from PCR. LC card FIE 54-92.

**Cesarean hysterectomy (Porro).**  
MP, USA, 1952. 17 min, sd, color.  
Order no. PMF 5204.

Shows the surgical procedures for a Cesarean hysterectomy, indicating anatomical landmarks throughout the operation. For medical personnel.

Borrow from USAFIP. LC card FIE 53-16.

**Cesarean section: Classical.**  
MP, USA, 1952. 19 min, sd, color.  
Order no. PMF 5205.

Shows surgical procedures for classical cesarean section, with anatomical landmarks indicated throughout the operation.

Borrow from USAFIP. LC card FIE 54-67.

**Cesarean section: Extraperitoneal Pfannenstiel.**

MP, USA, 1952. 23 min, sd, color.  
Order no. PMF 5203.

Shows the surgical procedures for cesarean section extraperitoneal Pfannenstiel incision, with anatomical landmarks indicated throughout the operation.

Borrow from USAFIP. LC card FIE 54-66.

**Cesarean section: Extraperitoneal with Cherney modification.**

MP, USA, 1952. 23 min, sd, color.  
Order no. PMF 5206.

Shows surgical procedures for the cesarean section extraperitoneal incision with Cherney modification, with anatomical landmarks indicated throughout the operation.

Borrow from USAFIP. LC card FIE 54-68.

**Cesarean section: Low cervical mid-line incision.**

MP, USA, 1952. 26 min, sd, color.  
Order no. PMF 5207-a.

Shows surgical procedures for cesarean section low cervical mid-line incision, with anatomical landmarks indicated throughout the operation.

Buy from USAFIP. LC card FIE 54-69.

**Cesarean section: Low cervical paramedian incision.**

MP, USA, 1952. 22 min, sd, color.  
Order no. PMF 5207-b.

Shows surgical procedure for cesarean section low cervical paramedian incision, with anatomical landmarks indicated throughout the operation.

Borrow from USAFIP. LC card FIE 54-70.

**Chain of asepsis.**

MP, USN, 1944. 29 min, sd, b&w.  
(Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-f.

Emphasizes the importance of sterile linens, pre-operative preparation of the patient, scrub technique, preparation of the operating room, and maintenance of the chain of asepsis.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-961.

**Challenge: Science against cancer.**

MP, USPHS and CNHW, 1950. 37 min, sd, b&w. With teaching guide.

Traces the progress of cancer research in tissue culture, biochemistry, genetics, environmental factors, and specific therapy; follows a case of skin cancer from diagnosis to cure; and points out the qualities of an investigator.

Borrow from USPHS-NCI. Buy from IFB. LC card FIA 53-178.

**The chandelle.**

MP, USN, 1943. 15 min, sd, b&w.  
(Intermediate acrobatics series)

Order no. MN 1325-c.

Demonstrates the procedures of executing a chandelle.



Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1008.

**Chandelles.**

MP, USAF, 1942. 7 min, sd, b&w. Order no. TF 1-495.

Demonstrates, by animation and live action, the proper method for executing a chandelle.

Borrow from USCAA film libraries. LC card FIE 53-420.

**Chantournage d'une courbe renversee et d'une courbe renversee biseautee.**

MP, USOE, 1951. 18 min, sd, b&w. Order no. OE 310-Fr. French version of motion picture with title, Sawing a reverse curve and a bevel reverse curve.

How to select and lay out stock to avoid waste; reverse curves to contour lines; use the table tilting gage; saw a beveled, reverse curve; prepare a template for a newel post; and saw a newel post having reverse curves.

Buy from UWF. LC card FIE 53-458.

**The chaplain's hour series.**

See The character guidance program series. The chaplain's hour.

**The chaplain comes aboard.**

MP, USN, 1954. 15 min, sd, color. Order no. MN 9243.

Explains the opportunities for service which the U.S. Navy Chaplaincy affords, and shows the program of instruction in character education, counselling, and worship at Navy and Marine unit installations and on shipboard.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-376.

**The chaplain story.**

MP, USA, 1954. 15 min, sd, b&w. Order no. TF 16-1943.

Story of the combat chaplain in action and his mission to bring men to God and God to men. Describes his responsibilities including communion and other religious services, character guidance lectures, advice on per-

sonal problems, and help in strengthening beliefs in human values.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-369.

**The character guidance program series. The chaplain's hour.**

Basic morality  
Chastity  
Clean living and thinking  
Clean speech  
The complete person  
The concept of authority  
The formation of character  
Home  
How free am I?  
Humility  
Life, reputation, property  
The making of character  
Man is a moral being  
The nation we serve  
The need for wholesome thinking  
Self-discipline  
A sense of duty  
The shaping of personality  
What is right?  
Worship in life

**Characteristics of hydraulic fluids.**

MP, USN, 1944. 10 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-f.

Explains and illustrates the essential qualities of hydraulic fluids. Points out that they must be able to lubricate moving parts, reduce friction, and prevent wear; must be free of water, rust, and other impurities; and must be of proper viscosity for the job.

Borrow from USCAA film libraries. LC card FIE 54-274.

**Charging and operating a cupola.**

MP, USOE, 1945. 14 min, sd, b&w. (Foundry work series. Melting practice) Order no. OE 437. With instructor's manual.

Essential parts of the cupola; steps to be followed in firing, charging, and operating a cupola; and the cycle of operations involved in the melting process.

Buy from UWF. LC card FIE 52-145.



**Charging and operating a cupola.**  
 FS, USOE, 1945. 44 fr, b&w.  
 (Foundry work series. Melting  
 practice) Order no. OE 437-fs.  
 Supplements motion picture with  
 the same title.  
Buy from UWF. LC card FIE  
52-2618.

**Charging storage batteries.**  
 MP, USA, 1943. 16 min, sd, b&w.  
 (Electricity and magnetism  
 series, no. 4) Order no. TF 11-  
 1219.

Explains the charging, care, and  
 preparation of storage batteries,  
 and constant voltage methods and  
 modifications.

Borrow from USA or USAF. Buy  
from UWF. LC card FIE 52-1563.

**Charting activities of the U. S.  
 Lake Survey.**

MP, USA-Eng. 1953. 30 min, sd,  
 color.

Shows the work of the U.S. Lake  
 Survey in the preparation of navi-  
 gation charts, including field sur-  
 veys, office compilation, engraving,  
 processing, printing, and  
 hand correction of aids-to-navi-  
 gation on the printed charts.

Borrow from USA-Eng. Cleared  
for TV. LC card FIE 54-426.

**Charts.**

MP, USN, 1942. 18 min, sd, b&w.  
 (Navigation series) Order no. MN  
 83-b.

Explains the meaning, advan-  
 tages, and limitations of Mercator,  
 gnomonic, and Lambert con-  
 formal projections. College level.

Borrow from USCAA film libra-  
ries. Buy from UWF. LC card  
FIE 52-974.

**Chastity.**

FS, USA, 1949. 20 fr, color. (The  
 character guidance program  
 series. The chaplain's hour) Or-  
 der no. FS 16-6.

Explains the importance of chas-  
 tity and gives advice to soldiers  
 on this subject. Prepared for use  
 by army chaplains.

Borrow from USA. Buy from  
UWF. LC card FIE 52-2956.

**Checking and replacing a float  
 valve.**

MP, USOE, 1945. 19 min, sd, b&w.  
 (Refrigeration service series.  
 Domestic units, no. 8) Order no.  
 OE 445. With instructor's man-  
 ual.

Function of two basic types of  
 float valves--high-side float and  
 low-side float; how to correct  
 troubles in both types; and re-  
 place a high-side float.

Buy from UWF. LC card FIE  
52-249.

**Checking and replacing a float  
 valve.**

FS, USOE, 1945. 49 fr, b&w.  
 (Refrigeration service series.  
 Domestic units, no. 8) Order no.  
 OE 445-fs.

Supplements motion picture with  
 the same title.

Buy from UWF. LC card FIE  
52-2725.

**Checking the electrical system.**

MP, USOE, 1945. 17 min, sd,  
 b&w. (Refrigeration service  
 series. Domestic units, no. 9)  
 Order no. OE 446. With instruc-  
 tor's manual.

How to check and service an  
 overheated motor in a domestic  
 refrigerator; repair a stalled  
 capacitor motor and an R.I. mo-  
 tor; and repair thermostatic mo-  
 tor controls.

Buy from UWF. LC card FIE  
52-227.

**Checking the electrical system.**

FS, USOE, 1945. 47 fr, b&w.  
 (Refrigeration service series.  
 Domestic units, no. 9) Order no.  
 OE 446-fs.

Supplements motion picture with  
 the same title.

Buy from UWF. LC card FIE  
52-2705.

**Checking the system. Part 1:  
 General procedure.**

MP, USOE, 1945. 17 min, sd, b&w.  
 (Refrigeration service series.  
 Domestic units, no. 1) Order no.  
 OE 438. With instructor's man-  
 ual.



How to install gages in a domestic refrigerator; check operating pressures, compressor performance, and temperature range of the cooling unit; and clean the condenser and oil the motor of an open-type refrigeration unit. Buy from UWF. LC card FIE 52-222.

**Checking the system. Part 1: General procedure.**

FS, USOE, 1945. 52 fr, b&w. (Refrigeration service series. Domestic units, no. 1) Order no. OE 438-~~9~~. Supplements motion picture with the same title. Buy from UWF. LC card FIE 52-2701.

**Checking the system. Part 2: Trouble shooting.**

MP, USOE, 1945. 17 min, sd, b&w. (Refrigeration service series. Domestic units, no. 2) Order no. OE 439. With instructor's manual. How to determine causes of several common troubles such as "unit will not run," "no refrigeration, but the unit runs continuously," and "improper refrigeration of food but unit freezes ice cubes." Buy from UWF. LC card FIE 52-223.

**Checking the system. Part 2: Trouble shooting.**

FS, USOE, 1945. 46 fr, b&w. (Refrigeration service series. Domestic units, No. 2) Order no. OE 439-~~1s~~. Supplements motion picture with the same title. Buy from UWF. LC card FIE 52-2700

**Checking valves.**

FS, USN, 1942. 55 fr, b&w. Order no. SN 932. Explains the meaning of valve clearance, and the effects of too little and too much clearance. Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1883.

**Chemical precipitation treatment plants with two-stage digestion.**

FS, USPHS, 1950. 63 fr, b&w. with disc: 16 in, 33 1/3 rpm, 7 min. (Municipal sewage treatment plants, no. 2) Order no. 5-158. Pictures and describes units, structures, and details of equipment used in chemical precipitation plants for sewage treatment. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-962.

**Chemical warfare injuries series. Prophylaxis and therapy, nos. 1-4**

Lung irritants  
The vesicants  
Miscellaneous agents

**The chemistry of fire.**

See Damage control: The chemistry of fire.

**Chevrolet 4x4 and GMC 6x6 steering system adjustments.**

MP, USA, 1943. 16 min, sd, b&w. (Automotive trouble shooting series, no. 11c, section 2) Order no. TF 10-980.

Demonstrates steering system adjustments, including adjusting trunion bearings, toe-ins with telescopic gage, recirculating ball-type steering gear, and steering column jacket.

Borrow from USA. Cleared for TV. LC card FIE 55-152.

**Chick embryo techniques.**

MP, USPHS, 1951. 15 min, sd, b&w. Order no. M 42. G. John Buddingh, of Louisiana State University School of Medicine demonstrates methods of using chick embryos in virus and rickettsia laboratory procedures, including incubating and candling, drilling and opening shells, inoculating, windowing, incubation, and harvesting chorioallantois, allantoic fluid, amniotic fluid, yolk, and embryo.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-218.

**Children's guardian.**

MP, USA-CAD, 1950. 40 min, sd, b&w.



Tells the story of a school janitor in Japan who, influenced by his love for children, helps bring about school reforms in his community. Prepared for use in occupied areas, particularly Japan. Buy from UWF. LC card FIE 52-1960.

**Chills and fever: Why?**  
FS, USPHS, 1947. 81 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-078.

Explains the symptoms of vivax malaria; its cause--malaria parasites in the blood stream; its means of infection; life cycle of the parasite; and the chain of malaria transmission through the mosquito.

Borrow from USPHS-CDC. LC card FIE 53-918.

**China crisis.**  
MP, USAF, 1946. 45 min, sd, b&w. Order no. SFP 174.

Documentary record of the operations of the U.S. 14th Air Force in its support of the Chinese Army during the spring and summer campaigns of 1944.

Borrow from USA or USAF. LC card FIE 52-1456.

**Chinch bugs and how they are controlled.**

FS, USDA, 1939. 36 fr, b&w. Order no. 551. With lecture notes. Shows the life stages and habits of the insect, the damage it causes, and how it may be controlled.

Buy from PhotoLab. LC card FIE 52-2861.

**Chinese reds enter war.**  
MP, US Defense, 1951. 21 min, sd, b&w. Order no. CB 104.

Military operations in Korea from October 20 to November 20, 1950. Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1655.

**Chisels.**  
MP, USA, 1943. 12 min, sd, b&w. (Care and use of hand tools series, no. 3) Order no. TF 9-2028.

Shows various types of cold chisels, and demonstrates proper

techniques and safety precautions to be observed in using them.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1538.

**Cholera can be conquered.**  
MP; USN, 1946. 11 min., sd., color. (Medicine in action series) Order no. MN 3726-k.

Discusses the history of cholera in India, and tells the story of Navy efforts to immunize against cholera, injection methods for relieving fluid dehydration, and the use of blood plasma and sulfa drugs.

Borrow from USN-BuMed. LC card FIE 54-110.

**Choose to live.**  
MP, USPHS, 1940. 11 min, sd, b&w.

Explains the danger signals of cancer; diagnosis; X-ray; radium, and surgical treatment; possibilities of cure; and current (1940) scientific research.

Borrow from USPHS. Buy from UWF. LC card FIE 53-172.

**Chuck work. Part 1: Setting up hexagon turret tools.**

MP, USOE, 1945. 22 min, sd, b&w. (Machine shop work series. Operations on the turret lathe, no. 2) Order no. OE 213. With instructor's manual.

How to use a power chuck; set up tools for internal cuts and for multiple cuts; and set up feed stops for the hexagon turret.

Buy from UWF. LC card FIE 52-7.

**Chuck work. Part 1: Setting up hexagon turret tools.**

FS, USOE, 1945. 29 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 2) Order no. OE 213-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2507.

**Chuck work. Part 2: Setting up tools for combined cuts.**

MP, USOE, 1945. 16 min, sd, b&w. (Machine shop work



series. Operations on the turret lathe, no. 3) Order no. OE 214. With instructor's manual.

How to set up tools for the square turret; make combined cuts; set cross-slide and carriage stops; set up the speed pre-selector; and perform a sequence of operations efficiently.

Buy from UWF. LC card FIE 52-6.

**Chuck work. Part 2: Setting up tools for combined cuts.**

FS, USOE, 1945. 27 fr. b&w. (Machine shop work series. Operations on the turret lathe, no. 3) Order no. OE 214-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2505.

**Cicada.**

MP, USDA, 1939. 8 min, sd, b&w. Short version, prepared for school use, of The cicada.

Shows and explains the life story of the cicada or 17-year locust.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-478.

**The cicada.**

MP, USDA, 1953. 21 min; sd, b&w. Revision of 1937 film with the same title.

Explains and portrays various stages in the life cycle of the perennial cicada or 17-year locust.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 53-241.

**The cineplastic operation.**

MP, USA, 1947. 16 min, sd, color. Order no. PMF 5062.

Demonstrates how to attach cords to the selected muscle and then to the prosthetic appliance so that the patient can operate the appliance by contracting muscles in the amputation stub. For medical personnel.

Borrow from USAFIP. LC card FIE 53-71.

**Circuit testing: Signal generators.**

MP, USA, 1952. 26 min, sd, b&w. Order no. TF 11-1668.

Explains the theory and operation of the signal generator, including oscillating circuits, audio-oscillators, radio frequency oscillators, and frequency meters.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-491.

**Circuit testing with meters and multimeters. Part 1: Theory.**

MP, USA, 1951. 30 min, sd, b&w. Order no. TF 11-1666.

Explains the theory and construction of meters and shows various types of meters used for circuit testing and associated external equipment.

Borrow from USA. Buy from UWF. LC card FIE 52-2084.

**Circuit testing with meters and multimeters. Part 2: Practical application.**

MP, USA, 1952. 37 min, sd, b&w. Order no. TF 11-1667.

Demonstrates how to use meters in testing transformers, capacitors, resistors, telephone loop circuits, etc.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-138.

**Circular letters.**

FS, USDA, 1946. 53 double fr, b&w. Order no. 667. With lecture notes.

Designed for use by extension editors to demonstrate to extension workers that circular letters are more readable, interesting, and convincing if they are "just plain talk."

Buy from PhotoLab. LC card FIE 52-2913.

**Citizen in arms.**

MP, USA, 1948. 8 min, sd, b&w. Order no. OF 48. Revision of motion picture with title, Ring of steel.

A historical review of the part the American soldier has played



in the development of the United States.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1720.

**Citizen's public hall.**

MP, USA-CAD, 1950. 32 min, sd, b&w.

Explains the origin of citizens' public halls in Japan, their development, and present activities in the field of domestic arts and skills. Prepared for use in occupied areas, particularly Japan. Buy from UWF. LC card no. FiE 52-1959.

**City of Rome incident.**

MP, USN, 1952. 5 min, sd, color. (Rules of the nautical road series) Order no. MN 202-d.

Dramatizes how 37 men in a submarine met their death because of improper placement of running lights and disregard for rules of the nautical road.

Buy from UWF. LC card FiE 52-934.

**City out of darkness.**

MP, USECA, 1950. 11 min, sd, b&w.

The rebuilding of the West Berlin electric power plant, and its importance in the city's economic and political life. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-562.

**Civil Air Patrol.**

MP, USAF, 1950. 20 min, sd, b&w. Order no. SFP-251.

Explains the functions and duties of the Civil Air Patrol; shows phases of the cadet training program; and re-enacts a maneuver, "operation flood," showing the role of C.A.P. in a local emergency.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1421.

**Civil assistance in Korea.**

MP, USA, 1954. 30 min, sd, b&w. Order no. MF 19-8274.

Story of the U.S. Army program of civil assistance in Korea, including supply of food, clothing,

and shelter; medical and hospital care; care of orphans; establishing schools for children; and technical assistance to rehabilitate major industries.

Buy from UWF. Cleared for TV. LC card FiE 54-370.

**Civil defense recruiting.**

MP, USFCDA, 1952. 10 films (20 sec each), sd, b&w.

Requests for volunteer workers in the following state and local Civil Defense services: Warden, transportation, welfare, police, health, staff, engineering, rescue, communications, and fire. Prepared for television use.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FiE 55-48.

**Clap a stopper on a line.**

MP, USCG, 1943. 3 min, sd, b&w. Order no. MCG 305.

Explains that a stopper on a line is a rope attached to a running line to stop its motion. Demonstrates how to tie the knot.

Buy from UWF. LC card FiE 52-877.

**Clap a stopper on a line.**

FS, USCG, 1943. 24 fr, b&w. Order no. SCG 305.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-818.

**Clasp partial denture design.**

FS, USN, 1943. 75 fr, b&w. with disc: 16 in, 33 1/3 rpm, 20 min. Order no. SN 2778.

Shows and describes in detail various types of underlying mechanical principles of clasp partial denture.

Borrow from USN-BuMed. LC card FiE 54-743.

**Classification and recognition of clouds. Part 1: High clouds.**

FS, USAF, 1945. 26 fr, color. Order no. FS 1-911.

Shows the types, identifying characteristics, and symbols of high clouds, and offers nine samples of typical clouds for the viewer to identify.



Borrow from USCAA film libraries. LC card FIE 53-994.

**Classification and recognition of clouds. Part 2: Middle clouds.**  
FS, USAF, 1945. 26 fr, color.  
Order no. FS 1-912.

Shows the types, identifying characteristics, and symbols of middle clouds, and offers twelve samples of typical clouds for the viewer to identify.

Borrow from USCAA film libraries. LC card FIE 53-993.

**Classification and recognition of clouds. Part 3: Low clouds.**  
FS, USAF, 1945. 26 fr, color.  
Order no. FS 1-913.

Shows the types, identifying characteristics, and symbols of low clouds, and offers 17 samples of typical clouds for the viewer to identify.

Borrow from USCAA film libraries. LC card FIE 53-992.

**Classification and recognition of clouds. Part 4: Clouds of vertical development.**

FS, USAF, 1945. 34 fr, color.  
Order no. FS 1-914.

Shows the types, identifying characteristics, and symbols of clouds of vertical development, and offers 21 samples of typical clouds for the viewer to identify.

Borrow from USCAA film libraries. LC card FIE 53-991.

**Classification in a nut shell.**

FS, USDA, 1949. 34 fr, color.  
Order no. C-15.

Explains the classification system of the U.S. Civil Service. Produced for use by U.S. Dept. of Agriculture personnel.

Buy from PhotoLab. LC card FIE 53-851.

**Clean living and thinking.**

FS, USA, 1950. 42 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-15.

Emphasizes certain aspects of "clean" living and thinking. Prepared for use by army chaplains.  
Buy from UWF. LC card FIE 52-2965.

**Clean speech.**

FS, USA, 1949. 13 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-5.

Emphasizes the desirability of using clean speech at all times. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2955.

**Clean water makes good health.**

MP, USIA 1952. 10 min, sd, b&w. Shows a typical well in India and washing and bathing practices that pollute the water; portrays by animation the germs in the water; and demonstrates how physical changes in a community well can make it sanitary. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-499.

**Cleaning equipment and containers.**

MP, USPHS, 1946. 28 min, sd, b&w. (Small milk plant operation series)

Demonstrates methods for the cleaning and bactericidal treatment of cans, bottles, piping, and other equipment following the routine of flush, scrub, rinse, and sterilize. For milk handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FIE 53-173.

**Cleaning mess gear.**

MP, USN, 1945. 5 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-e.

Animated cartoon in which "Mac Gillicuddy" fails to clean his mess gear and suffers a severe stomach disorder.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1172.

**Cleaning the airplanes.**

FS, USN, 1943. 41 fr, b&w. Order no. SN 2787.

Briefly indicates the importance of keeping the airplane clean, demonstrates one acceptable method of cleaning an airplane, and emphasizes the danger of



using certain cleaning agents indiscriminately.

Borrow from USCAA film libraries. LC card FIE 54-769.

**Cleanliness brings health.**

MP, USOIAA, 1945. 9 min, sd, color. (Health for the Americas series)

Shows how personal cleanliness, clean food, and safe disposal of excreta are first steps in protection against disease microbes in the home. Compares the habits of a "clean" family with those of a "careless" family. Animated cartoon.

Buy from USHIAA. Cleared for TV. LC card FIE 52-534.

**Clearing, grubbing, and rock work.**

MP, USA, 1943. 14 min, sd, b&w. (Military roads and runways series, no. 1) Order no. TF 1169.

Demonstrates ways to remove small brush and undergrowth, prepare stumps for demolition, and remove large boulders.

Borrow from USA. LC card FIE 55-184.

**Clearing land.**

MP, USDA, 1929. 30 min, si, b&w. How to remove stumps and boulders by burning, dynamiting, and pulling out with tractors, and pulling out with tractors, mule-power chain whips, mallet or "Paul Bunyan" pullers, and hand-power pullers.

Rent from USDA film libraries. Withdrawn from sale in 1954. LC card FIE 52-373.

**Clearing of air passage: Face and jaw wounds.**

FS, USA, 1942. 30 fr, b&w. Order no. FS 8-33.

Demonstrates methods and procedures in the clearance and maintenance of air passages blocked as a result of fractures. For medical personnel.

Borrow from USAFIP. LC card FIE 53-826.

**Clergymen in uniform.**

MP, USN, 1952. 13 min, sd, color. Order no. MN 7329.

Shows the training received in a U.S. Navy chaplain school and, following this training, the duties and responsibilities of a Navy chaplain in the many places he must serve.

Borrow from USN. Cleared for TV. LC card FIE 53-247.

**Climbing and working on poles.**

MP, USA, 1942. 15 min, sd, b&w. Order no. TF 11-590.

Demonstrates use of lineman's equipment, testing by pike pole and inspector's probe, use of climbers and safety belt, and care of equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2083.

**Clinical malaria.**

MP, USN, 1944. 26 min, sd, b&w. Order no. MN 1965.

Shows the relationship of the life cycle of the malarial parasite in the blood stream to the patient's clinical symptoms. Illustrates symptoms, signs, and pathological body changes associated with the three common types of infection. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1060.

**Clinical manifestations of paralysis.**

MP, USA, 1948. 11 min, sd, color. Order no. PMF 5089.

Shows by comparison of normal and paralyzed areas clinical manifestations of paralysis affecting the extremities. For medical personnel.

Borrow from USAFIP. LC card FIE 53-51.

**A clinical picture of anxiety hysteria.**

MP, USVA, 1952. 26 min, sd, b&w. (Psychotherapeutic interviewing series, no. 6)

Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from anxiety hysteria. For professional personnel only.

Borrow from USVA. Buy from UWF. LC card FIE 53-89.



**A clinical picture of claustrophobia.**

MP, USVA, 1952. 31 min, sd, b&w.  
(Psychotherapeutic interviewing series, no. 5)

Illustrates psychotherapeutic interviewing principles and techniques through an unrehearsed interview between a psychiatrist and a patient suffering from claustrophobia. For professional personnel only.

Borrow from USVA. Buy from UWF. LC card F1E 53-90.

**Clinical shock.**

MP, USA, 1952. 48 min, sd, b&w.  
Order no. PMF 5108.

Through animation and pictorial clinical history, demonstrates the basic mechanism of shock, methods of diagnosis, and principles of shock management.

Borrow from USAFIP. LC card F1E 54-51.

**Close order drill series.**

The manual of arms  
The platoon  
The squad

**Close order drill: The squad and platoon.**

MP, USA, 1946. 29 min, sd, b&w.  
Order no. TF 7-1436.

Emphasizes the necessity for orderly movement of military units, and shows military parades and ceremonies, squad and platoon drills, and basic drill formations.  
Borrow from USA. LC card F1E 55-176.

**Closing in.**

FS, USPHS, 1948. 66 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. Order no. 5-085.

Explains through cartoons and drawings the steps a community can take toward eliminating mosquitoes, breeding places of mosquitoes, and malaria.

Borrow from USPHS-CDC. LC card F1E 53-922.

**Clouds.**

MP, USWB, 1939. 11 min, sd, b&w.

Shows various types of clouds; explains how high and low pres-

sure areas move across the country and how to forecast weather from the study of clouds.

Borrow from USWB film libraries. Buy from UWF. LC card F1E 52-1392.

**Clouds and weather.**

MP, USWB, 1939. 6 min, sd, b&w.  
Short version of motion picture with the title, Clouds.

Shows various types of clouds; explains low and high pressure areas and how to forecast weather from the study of clouds.

Borrow from USWB film libraries. Buy from UWF. LC card F1E 52-1393.

**The clove hitch.**

MP, USCG, 1943. 3 min, sd, b&w.  
Order no. MCG 304.

Explains the uses of the clove hitch and shows how to tie the knot correctly.

Buy from UWF. LC card F1E 52-878.

**The clove hitch.**

FS, USCG, 1943. 20 fr, b&w. Order no. SCG 304.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-819.

**The clutch and hand brake.**

MP, USOE, 1945. 12 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 6) Order no. OE 482. With instructor's manual.

How to determine the amount of clutch pedal clearance or "lash"; correct abnormal "lash"; check clutch for slipping, grabbing, or drag; and inspect and adjust the hand brake.

Buy from UWF. LC card F1E 52-345.

**The clutch and hand brake.**

FS, USOE, 1945. 36 fr, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 6) Order no. OE 482-fs.

Supplements motion picture with the same title.



Buy from UWF. LC card FIE 52-2801.

**Coast Guard Academy.**  
See Career for tomorrow.

**The Coast Guard at war. Part 1: Along our shores.**  
See Along our shores.

**The Coast Guard at war. Part 2: On foreign shores.**  
See On foreign shores.

**Coast Guard cadet.**  
MP, USCG, 1954. 14 min, sd, color.  
Shows activities at the U.S. Coast Guard Academy, New London, Conn. Produced for cadet procurement.

Borrow from USCG. Cleared for TV. LC card FIE 55-34.

**Coccidioides immitis.**  
FS, USPHS, 1953. 59 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Laboratory identification of systemic fungi, no. 2) Order no. F 116-b.

Gives a brief clinical picture of coccidioidomycosis and explains a laboratory technique for isolating and identifying *Coccidioides immitis*.

Borrow from USPHS-CDC. LC card FIE 54-701.

**Cockpit instrument checks.**  
FS, USN, 1945. 63 fr, b&w with disc: 16 in, 33 1/3 rpm, 21 min. (Instrument flight control series) Order no. SN 1059-u.

Illustrates tests on the air speed indicator, altimeter, vertical speed indicator; the coast test; and excessive drift tests.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1895.

**The coconut as food and drink.**  
FS, USN, 1944. 75 fr, b&w. with disc: 16 in, 33 1/3 rpm, 8 min. (Castaway series) Order no. SN 2306-b.

Demonstrates various ways to prepare coconuts as food and drink. Shows how to utilize each

part of the coconut and tap the palm for sugar.

Buy from UWF. LC card FIE 52-1781.

**The code and you.**

MP, USN, 1952. 25 min, sd, b&w. (Uniform code of military justice series) Order no. MN 7319-a.

Explains the major points in the Uniform code of military justice adopted by the U.S. armed forces. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-145.

**The cold front.**

MP, USN, 1943. 19 min, sd, color. (Aerology series) Order no. MN 119-e.

Explains the formation, characteristics, and dangers of a cold front, and demonstrates how aviators can avoid the hazards of the cold front by either high or low level flight.

Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FIE 53-250.

**Cold weather seabee.**

MP, USN, 1950. 13 min, sd, b&w. Order no. MN 9183.

A photographic report of a mid-winter exercise by Seabee reservists, in training with the Army, in the Rocky Mountains. Shows skiing, snowhoeing, and methods of cold weather survival.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1277.

**Cold weather starting.**

FS, USN, 1942. 49 fr, b&w. Order no. SN 144.

Describes the effect of cold weather upon aircraft engine oil, grease, fuel lines, and spark plugs.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1833.

**Collection and preservation of evidence.**

MP, USA, 1949. 62 min, sd, b&w. Order no. TF 19-1563.



Portrays an investigation of a homicide, including equipment necessary for the collection and preservation of evidence; examining details of collecting, marking, and preserving all evidence; photographic recording or sketching the scene of the crime; evaluation of the evidence; questioning of suspects; and solution of the crime.

Borrow from USA. LC card FIE 55-134.

**The collection of adult flies.**

MP, USPHS, 1949. 6 min, sd, color. (Community fly control series) Order no. 4-085.

Shows three devices for adult fly collection--sweep net, for rapid surveys; fly trap, for detailed qualitative studies; and cone net, for collecting live flies over natural attractants.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2251.

**The collection of adult flies.**

FS, USPHS, 1949. 37 fr, color. (Community fly control series) Order no. 5-122.

Covers same material as in motion picture with the same title. Borrow from USPHS-CDC. LC card FIE 52-2982.

**Collection of blood specimens for serological examination.**

FS, USPHS, 1952. 69 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. F 34.

Emphasizes the importance of blood specimens and shows how to collect a specimen from a patient at a clinic and at home, including preparation of equipment, techniques of venepuncture, and use of a Keidel tube.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-863.

**Collection of fecal specimens.**

FS, USPHS, 1952. 54 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. Order no. F 81.

Emphasizes the importance of fecal specimens and explains the selection of a suitable container

and preservative, procedures a patient should follow in collecting the specimen, preparation and use of rectal swabs, and use of two-bottle PVA fixative equipment.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-862.

**Collection of specimens from the eye, nose, and throat.**

FS, USPHS, 1952. 45 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. Order no. F 105.

Emphasizes the importance of eye, nose, and throat culture specimens; and explains the preparation of equipment for the collection of such specimens, the routine in taking specimens from selected cases, preparation of specimens for shipment to the laboratory, and interpretation of laboratory reports.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-861.

**Collection of sputum specimens.**

FS, USPHS, 1953. 60 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. Order no. F 82.

Explains the principles of and the procedures for obtaining sputum specimens by coughing, the postural method, and gastric washings.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-713.

**Colombia.**

MP, USOIAA, 1942. 10 min, sd, color. (South American medley series, no. 2)

Views of Cartagena, Bogota, and Barranquilla; gives considerable attention to coffee growing.

Rent from USOIAA film libraries. LC card FIE 52-701.

**Colombia, crossroads of the Americas.**

MP, USOIAA, 1942. 27 min, sd, b&w.

Geographic, social, and economic aspects of Colombia, including city and country life, industries and natural resources, customs, religion, and education.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-702.



**Colonial home industries.**

FS, USDA, 1939. 60 fr, b&w. Order no. 517. With lecture notes. Traces the development of the home textile industry to present-day handicrafts, showing some patterns designed by home-makers.

Buy from PhotoLab. LC card FIE 52-2879.

**Colostomy closure (End to end anastomosis).**

MP, USA, 1947. 14 min, sd, color. Order no. PMF 5001.

Demonstrates surgical repair of left upper abdominal colostomy. For medical personnel.

Borrow from USAFIP. LC card FIE 53-75.

**The Columbia.**

MP, USDI-BPA, 1949. 20 min, sd, b&w.

Explains the Federal program for the development of the Columbia River and its tributaries. Discusses the construction of multiple purpose projects, such as Grand Coulee and Bonneville Dams, for irrigation, navigation, flood control, and power development.

Borrow from USDI-BPA. Buy from ConFilm. LC card FIE 54-302.

**Columbia frontier.**

MP, USBR, 1953. 27 min, sd, color.

Tells the story of the development of the Columbia River reclamation project in the State of Washington. Includes an explanation of the prehistoric, ice-age diversion of the Columbia River; scenes of the construction of Grand Coulee Dam; the power and pumping plants; and the delivery of irrigation water to acres of land.

Borrow from USBR. Buy from UWF. Cleared for TV. LC card FIE 53-448.

**Combat America.**

MP, USAF, 1945. 55 min, sd, color. Order no. WF 104-39.

Dramatized story of the 351st Bomber Group of the U.S. Army Air Forces from its training in

Colorado to a mission over Germany. Portrays the crews and gunners at a base in England and on the mission. Contains combat footage.

Borrow from USAF. LC card FIE 55-123.

**The combat dock. ABD mechanical wing wall raising.**

MP, USN, 1944. 21 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-e.

Explains how a wall is raised by flotation and by the mechanical method employing jacks; and demonstrates by animation the main raise, transition stage, tensile stage, and easing the wall to the deck by the mechanical method.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2124.

**The combat dock: ABSD, addition of section and crane transfer.**

MP, USN, 1945. 18 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-g.

Illustrates the method of adding a section to the ABSD (advanced base sectional dock), submerging one wing wall, and transferring the first crane.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2122.

**The combat dock: Mooring the ABSD-1.**

MP, USN, 1944. 19 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-f.

Illustrates the selection and preparation of a site for mooring a combat dock; and demonstrates the step-by-step procedure for mooring and ABSD (advanced base sectional dock).

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2123.

**The combat dock: Principles of construction and operation.**

MP, USN, 1943. 17 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-b.



Shows three types of floating docks; explains the YFD (yard floating dock) type in detail; and demonstrates the procedure for pumping out water, putting a ship in drydock, and floating after repairs have been made.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2126.

**The combat dock: Self docking the YFD; construction and operation of the ARD.**

MP, USN, 1943. 11 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-c.

Explains various types of yard floating docks, both timber and steel; and, by animation, shows the construction and sectional make-up of the 300-ton ARD (auxiliary repair dock).

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2125.

**Combat docking.**

MP, USN, 1943. 13 min, sd, b&w. (Floating drydocks series) Order no. MN 1794-a.

Stresses the importance of floating drydocks; shows an advance base sectional dock, an auxiliary repair dock, and a yard floating dock; and demonstrates how a ship is drawn in, inspected, and repaired.

Buy from UWF. Cleared for TV. LC card FIE 52-2127.

**Combat exhaustion.**

MP, USA, 1945. 50 min, sd, b&w. Order no. PMF 5012.

Portrays a colonel in the U.S. Army Medical Corps addressing a group of doctors in the European Theatre of Operations and explaining their responsibilities in treating psychiatric cases, particularly those resulting from combat exhaustion. Shows examples of different types of cases, the administration of drugs to produce a hypnotic state, and the treatment of psychotic patients in the hypnotic state. For medical personnel.

Buy from UWF. LC card FIE 55-16.

**Combat fatigue series.**

Assignment home

Insomnia

Irritability

Psychosomatic disorders

**Combat firing with hand guns.**

MP, USA, 1944. 17 min, sd, b&w.

Order no. FB 152.

Illustrates correct techniques in the use of hand guns, the three basic firing positions--prone, kneeling, and standing--and the employment of hand weapons at close quarters.

Borrow from USA. LC card FIE 55-201.

**Combat in deep snow and extreme cold.**

MP, USA, 1950. 21 min, sd, b&w.

Order no. TF 7-1550.

Demonstrates the technique of combat under conditions of deep snow and extreme cold in forested areas of the Arctic. Shows an infantry rifle company on a two-day combat mission in enemy territory, and describes survival methods.

Borrow from USA or USAFIP. LC card FIE 54-74.

**Combat psychiatric casualties, part 1:**

MP, USN, 1944. 5 min, sd, b&w. Order no. MN 3716-a.

Presents combat footage to test the degree of mental derangement of psychiatric patients. Pictures firing of large guns, anti-aircraft weapons, with airplanes flying overhead includes all the noise and action of an amphibious operation. No commentary. Experimental test film.

Borrow from USN-BuMed. LC card FIE 54-290.

**Combat psychiatric casualties, part 2.**

MP, USN, 1944. 5 min., sd, b&w. Order no. MN 3716-b.

Presents combat footage to test the degree of mental derangement of psychiatric patients. Pictures battle scenes and noises with no explanation or commentary. Experimental test film.



Borrow from USN-BuMed. LC card FiE 54-291.

**Combat psychiatric casualties, part 3.**

MP, USN, 1944. 5 min, sd, b&w. Order no. MN 3716-c.

Presents combat footage to test the degree of mental derangement of psychiatric patients. Pictures personnel standing watch, tense, waiting for action. General quarters is sounded and all men rush to their battle stations. Experimental test film.

Borrow from USN-BuMed. LC card FiE 54-292.

**Combat psychiatry: The battalion medical officer.**

MP, USN, 1954. 36 min, sd, b&w. Order no MN 7499-a.

Portrays the general run-of-the-mill psychiatric casualties encountered in combat at the battalion level and how such casualties are properly managed at this level by the medical officer. Describes the basic and fundamental principles of psychiatry for indoctrinating the medical officer for combat assignment. Buy from UWF. LC card FiE 55-66.

**Combat psychiatry: The division psychiatrist.**

MP, USN, 1954. 29 min, sd, b&w. Order no. MN 7499-b.

Shows the medical battalion psychiatrist (division psychiatrist) and the general principles and practices of combat psychiatry. Points out that cooperation and understanding by the psychiatrist and hospital corps personnel are essential to prevent needless loss of manpower.

Buy from UWF. LC card FiE 55-65.

**Combined resection of tongue and floor of mouth with radical neck dissection.**

MP, USVA, 1953. 34 min, sd, color.

Demonstrates a technique of radical surgical extirpation for primary intra-oral cancer, incor-

porating the concepts of removal of the pathways of lymphatic metastases in continuity. Shows radical neck dissection, resection of the mandible, and a method of primary reconstruction of the mouth and jaw. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FiE 53-91.

**Combustion control.**

MP, USN, 1944. 32 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-e.

Explains the apparatus and personnel required in combustion control of naval marine boilers; and shows the essential elements of an atomiser and its spraying. Buy from UWF. LC card FiE 52-1184.

**Comeback.**

MP, USOVR, 1951. 26 min, sd, color.

Shows in detail the rehabilitation of a double-leg amputee and, in lesser detail, the rehabilitation of a psychiatric patient, a tubercular individual, and others, into steady and self-supporting employment.

Borrow from USOVR. Buy from DeLuxe. Cleared for TV. LC card FiE 52-2180.

**Comida abundante para todos.**

MP, USHIAA, 1947. 8 min, sd, color. Spanish version of motion picture with title. Extra feeding pays.

Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.

Buy from USHIAA. Cleared for TV. LC card FiE 52-562.

**Command of the seas: Arctic.**

MP, USN, 1952. 17 min, sd, color. Order no. MN 7459-a.

Explains the functions and responsibilities of the U.S. Navy in the Arctic Ocean; portrays the operations of Navy ice-breakers,



cargo vessels, submarines, and landing craft; and describes base construction, cold-weather equipment, and waiigan trains. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1969.

**Command of the seas: Atlantic.** MP, USN, 1952. 17 min, sd, color. Order no. MN 7459-c.

Explains the functions and operations of the U.S. Navy in the Atlantic Ocean and Mediterranean Sea. including portrayals of visits of the fleet to various European and Mediterranean ports, naval exercises, anti-submarine warfare, and cooperation with the navies of other countries.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1971.

**Command of the seas: Pacific.** MP, USN, 1952. 17 min, sd, color. Order no. MN 7459-b.

Explains the functions and responsibilities of the U.S. Navy in the Pacific including its operations in U.S. insular possessions and UN protectorates and its activities and accomplishments in the Korean War.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1970.

**Command of the seas: United States.**

MP, USN, 1952. 17 min, sd, color. Order no. MN 7459-d.

Explains the function of the U.S. Navy as that of maintaining command of the seas, and shows the mothballing and demothballing of the fleet, the Navy recruitment program, launching of new ships and submarines, developments in naval research, and the firing of a Viking rocket from a Navy guided missile ship.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1972.

**Common emergencies.**

FS, USN, 1942. 58 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min.

(First-aid series) Order no. SN 218. \*

Shows first-aid treatment for appendicitis, choking, diarrhea, earache, toothache, common cold, sunburn, poison ivy, poison oak, sumac, insect bites, and fainting.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1847.

**Communication center procedure. Part 1: Outgoing messages.**

MP, USA, 1951. 17 min, sd, b&w. Order no. TF 11-1733.

Illustrates the proper procedure for handling outgoing messages at an army communication center. Emphasizes the handling of classified messages and use of the message center log.

Borrow from USA. Buy from UWF. LC card FIE 52-2086.

**Communication center procedure. Part 2: Incoming messages.**

MP, USA, 1951. 7 min, sd, b&w. Order no. TF 11-1734.

Describes the operations of a communication center at corps and lower headquarters. Emphasizes the care necessary to insure the efficiency of message handling.

Borrow from USA. Buy from UWF. LC card FIE 52-2087.

**Communications in the infantry regiment.**

MP, USA, 1948. 26 min, sd, b&w. Order no. TF 11-1488.

Shows a message center and explains the systems of wire communications and radio nets within an infantry regiment, between regiments, and to supporting units.

Borrow from USA. Buy from UWF. LC card FIE 52-1564.

**Communism.**

MP, US Defense, 1950. 32 min, sd, b&w. Order no. AFIF 5.

Presents a brief history of Communism; its totalitarian characteristics; and how communists



operate in the United States. Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1397.

**A community advisory service.**  
MP, USIA, 1949. 27 min, sd, b&w. Shows the organization and operation of a community advisory service in Bridgeport, Conn., and the values of such a service to the individuals of the community. Prepared for overseas use. Buy from UWF. LC card FIE 52-889.

**Community canning.**  
MP, USOE, 1943. 17 min, sd, b&w. (Farm work series. Food preservation, no. 1) Order no. OE 198. With instructor's manual. How to wash, snap, grade, blanch, and season beans; prepare the cans, then pack and exhaust them; label and seal the cans; use a pressure cooker, or retort; and cool, dry, and store the cans. Buy from UWF. LC card FIE 52-307.

**Community canning.**  
FS, USOE, 1943. 20 fr, b&w. (Farm work series. Food preservation, no. 1) Order no. OE 198-fs. Supplements motion picture with the same title. Buy from UWF. LC card FIE 52-2764.

**Community Chest.**  
MP, USA-CAD, 1950. 19 min, sd, b&w. A sociology student reports how individual welfare agencies in Yonkers, N. Y., organized under the Community Chest, work to solve the problems of rehabilitation, welfare, and relief. Prepared for use in occupied areas. Buy from UWF. Cleared for TV. LC card FIE 52-1958.

**Community fly control operations.**  
MP, USPHS, 1952. 12 min, sd, b&w. (Community fly control series) Order no. 4-094.

Explains the steps taken in a fly control project in a typical town, involving gaining the support of the people (education); eliminating fly breeding places (sanitation); and applying spray materials (chemical control). Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-665.

**Community fly control series**  
Biology of domestic flies  
The collection of adult flies  
Community fly control operations  
Fly control through basic sanitation  
Fly density surveys by the grill method  
Space spraying  
Spraying equipment and procedures. Part I: Residual spraying

**Community forests, a local asset.**  
FS, USDA, 1941. 79 fr, single or double, b&w. Order no. 604. With lecture notes. Shows the values of a community forest including profit, employment, and recreation. Buy from PhotoLab. LC card FIE 52-2847.

**Como cuidar da crianca.**  
MP, USOIAA, 1945. 10 min, sd, color. Portuguese version of motion picture with title, Infant care. Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon. Buy from USIAA. Cleared for TV. LC card FIE 52-553.

**Como cuidar da terra.**  
MP, USHAA, 1947. 9 min, sd, color. Portuguese version of motion picture with title, The land must eat. Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.



Buy from USIAA. Cleared for TV. LC card FIE 52-565.

**Como exterminar os insectos.**  
MP, USIAA, 1947. 7 min, sd, color. Portuguese version of motion picture with title, Insect enemies.

Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from USIAA. Cleared for TV. LC card FIE 52-505.

**Compass compensation: Tank lighter.**

FS, USN, 1942. 63 fr, b&w with disc: 16 in, 33 1/3 rpm, 30 min. Order no. SN 1366.

Points out the parts of a pelorus; explains where to locate it on a ship; and shows how to check for east and west deviation.

Buy from UWF. LC card FIE 52-1748.

**A compass for agriculture.**

MP, USDA, 1952. 20 min, sd, color or b&w.

Describes the origin of crop reporting in American agriculture, the work of the Crop Reporting Service of the U.S. Dept. of Agriculture, and the value of this information to farmers.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 52-2151.

**The compass system.**

MP, USN, 1944. 16 min, sd, b&w. (The gyro compass series) Order no. MN 1792-e.

Explains and demonstrates the five major assemblies of a Sperry Mark 14 gyro compass (sensitive, phantom, and spider elements, mercury ballistic, and binnacle); and shows the operation of the follow-up and repeater systems.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1054.

**Compensating the compass.**

FS, USCG, 1944. 32 fr, b&w. (Piloting series) Order no. SCG 136-d.

Explains the functions, purpose, and compensation of the compass as an instrument of navigation.  
Buy from UWF. LC card FIE 52-841.

**Complete dentures: Alginate impressions.**

MP, USN, 1951. 17 min, sd, color. Order no. MN 6720.

Illustrates the technique for non-pressure full denture impressions using alginate (irreversible hydrocolloid) in loose fitting, perforated baseplate tray.

Borrow from USN or USN-BuMed.

Buy from UWF. Cleared for TV. LC card FIE 52-1487.

**The complete person.**

FS, USA, 1949. 13 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-4.

Explains that an individual possesses a soul that believes, wills, feels, and knows. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2954.

**Complicated amputations: Case reports.**

MP, USA, 1946. 50 min, sd, b&w. Order no. PMF 5026.

Shows cases of multiple amputations, their management, and the various prostheses developed for the amputees. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2232.

**Complicated exodontia, introduction.**

MP, USN, 1951. 17 min, sd, color. Order no. MN 6722.

Deals with the fundamental procedures involved in the successful removal of all teeth; gives particular attention to those teeth which require more than the use of forceps alone for extraction; and demonstrates the basic principles underlying a proposed plan for treatment.

Borrow from USN or USN-BuMed. Buy from UWF. Cleared for TV. LC card FIE 52-1489.



**Compression molding. Part 1: Preparing the charge and loading the mold.**

MP, USOE, 1945. 11 min, sd, b&w. (Plastics series, no. 3) Order no. OE 468. With instructor's manual. How to set up the press; weigh the charge; preheat the charge; clean and lubricate the mold; and load the mold.

Buy from UWF. LC card FiE 52-295.

**Compression molding. Part 1: Preparing the charge and loading the mold.**

FS, USOE, 1945. 39 fr, b&w. (Plastics series, no. 3) Order no. OE 468-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2751.

**Compression molding. Part 2: Molding a simple part.**

MP, USOE, 1945. 10 min, sd, b&w. (Plastics series, no. 4) Order no. OE 469. With instructor's manual. How to close, breathe, and open the mold; prevent pieces from warping; and coordinate steps of the molding cycle.

Buy from UWF. LC card FiE 52-296.

**Compression molding. Part 2: Molding a simple part.**

FS, USOE, 1945. 42 fr, b&w. (Plastics series, no. 4) Order no. OE 469-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2753.

**The concept of authority.**

FS, USA, 1950. 20 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-9.

Distinguishes between authority and power and between political authority (in laws) and military authority (in directives). Prepared for use by army chaplains. Borrow from USA. Buy from UWF. LC card FiE 52-2959.

**Concrete ditching for malaria control.**

MP, USPHS, 1949. 7 min, sd, color. (Malaria control series) Order no. 4-046.

Shows how to construct a permanent concrete drainage system to eliminate breeding areas for malaria-carrying mosquitoes, improve community appearance, and create higher property values, greater farming efficiency, higher income, and standards of living.

Borrow from USPHS-CDC. LC card FiE 52-2255.

**Conditioning and cleaning seed cotton.**

FS, USDA, 1939. 62 fr, b&w. Order no. 512. With lecture notes. Shows methods of drying cotton, types of cleaning equipment, and the importance of proper picking and drying.

Withdrawn from active circulation in 1952. LC card FiE 52-2903.

**Conducting a neighborhood civil defense meeting.**

FS, USFCDA, 1953. 57 fr, color with disc: 12 in, 33 1/3 rpm, 13 min. Order no. 5. With training bulletin.

Explains how a civil defense warden should prepare for and conduct a neighborhood meeting. Borrow from USFCDA. Buy from SVE. LC card FiE 55-526.

**Connecting and adjusting controls.**

MP, USOE, 1944. 19 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 260. With instructor's manual.

How to inspect and adjust the elevator and rudder control cables; line up and safety a turnbuckle; remove and replace a damaged aileron control cable; and adjust it for proper aileron travel.

Buy from UWF. LC card FiE 52-265.

**Connecting and adjusting controls.**

FS, USOE, 1944. 43 fr, b&w. (Aircraft work series. Aircraft



maintenance) Order no. OE 260-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2737.

Connecting rods, crankshafts, bearings, and crankcases. FS, USAF, 1942. 43 fr, b&w. Order no. FS 1-35.

Describes the purpose, essential parts, and means of disassembling and assembling connecting rods, crankshafts, bearings, and crankcases in an airplane.

Buy from UWF. LC card FIE 52-1919.

Conselhos para as mães.

MP, USHIAA, 1947. 11 min, sd, color. Portuguese version of motion picture with title, Wise parents, healthy babies.

Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

Buy from USHIAA. Cleared for TV. LC card FIE 52-519.

Conservación de la tierra fértil. MP, USHIAA, 1947. 8 min, sd, color. Spanish version of motion picture with title, Your soil, your future.

Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from USHIAA. Cleared for TV. LC card FIE 52-577.

Conservação do solo.

MP, USHIAA, 1947. 8 min, sd, color. Portuguese version of motion picture with title, Your soil, your future.

Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from USHIAA. Cleared for TV. LC card FIE 52-574.

Conservation in action.

MP, USFWS, 1950. 11 min, sd, color.

Explains the program of the U.S. Fish and Wildlife Service in conserving and managing the national resources. Includes scenes showing habitat needs of salmon, waterfowl, buffalo, mountain goats, and other wild life.

Borrow from USFWS. Buy from Calvin. Cleared for TV. LC card FIE 53-528.

Consolidated loose issue and packing room.

MP, USA, 1949. 22 min, sd, b&w. Order no. FB 224.

Demonstrates quartermaster warehousing operations in the storage and supply of loose issue items, and the filling of a requisition at a supply warehouse depot.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1680.

Consolidated messing operations.

MP, USA, 1949. 13 min, sd, b&w. Order no. TF 10-1583.

Shows how a consolidated mess is operated, and how the mess steward and the managing personnel plan the operation, supervise, and delegate jobs to various mess personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1556.

Constructing a farm pond.

FS, USPHS, 1949. 78 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. Order no. 5-136.

Demonstrates the construction of a farm pond in accordance with principles explained by the county agent and county sanitation officer.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-946.

Constructing a sanitary pit privy.

MP, USPHS, 1949. 15 min, sd, color (Environmental sanitation series) Order no. 4-083. With film guide.



Demonstrates the public health values of the sanitary pit privy, the principles of sanitation involved in its construction, and construction procedures.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2261.

Constructing a sanitary pit privy. FS, USPHS, 1949. 70 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. (Environmental sanitation series) Order no. 5-119. With film guide. Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2983.

Constructing a typical household system.

MP, USPHS, 1952. 14 min, sd, b&w. (Individual sewage disposal systems series) Order no. M 50-c.

Explains the principles and procedures involved in the construction and maintenance of a septic tank and subsurface disposal system, including site inspection and layout, installation of the septic tank, constructing the tile drainage field, sanitary inspection, and yearly maintenance.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-220.

Construction for defense.

MP, USA-Eng, 1952. 15 min, sd, color.

Illustrates military construction being performed by the Corps of Engineers for the Army and Air Force in the Southwestern United States, and for the Air Force in Africa and Greenland.

Borrow from USA-Eng. Cleared for TV. LC card FIE 53-232.

The construction of a maxillary anterior fixed bridge.

MP, USN, 1943. 53 min, si, color. (U.S. Navy Dental Corps. Prosthesis series) Order no. MN 2450.

Demonstrates the technique employed in making a maxillary anterior fixed bridge. Shows cleaning and filing the teeth, shaping the teeth to which bridge

will be fixed, and measuring for the bridge. For dental personnel. Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1118.

Construction of a partial maxillary and mandibular plate.

MP, USN, 1944. 39 min, si, color. (U.S. Navy. Dental Corps. Prosthesis series) Order no. MN 2148. Demonstrates how to take a wax impression of the gums, and how to make a mold. Illustrates adding the plaster, shaping, and constantly trying it for precision fit. Shows step by step procedure in various molding, heating, and shaping processes. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1062.

Construction of Arctic igloo.

MP, USA, 1948. 10 min, sd, b&w. Order no. FB 220. Also available with the title, Arctic igloo.

Demonstrates the construction of a snow house or igloo; and explains its advantages over a tent for Arctic shelter.

Borrow from USA. Buy from UWF. LC card FIE 52-1678.

The construction of Diesel engines.

MP, USN, 1942. 17 min, sd, b&w. Order no. MN 43.

Shows the general structure of several types of Diesel engines and the different frame types, cylinder parts, pistons, piston rings, connecting rods, crankshafts, bearings, camshafts, and rocker assemblies.

Buy from UWF. LC card FIE 52-1013.

Construction of pre-stressed concrete tanks.

MP, USN, 1945. 36 min, sd, b&w. Order no. MN 2620.

Gives instructions for building a concrete storage tank, from packing of the ground to the application of a sealing coat to the inside of the completed tank.

Buy from UWF. LC card FIE 52-1091.



**Construction of screw lock sectional splint.**

MP, USA, 1947. 17 min, sd, color.  
Order no. PMF 5073.

Demonstrates a case of facial injury which includes a fracture of the mandible, comminuted and compound, requiring additional bone to restore the contour of the mandible. Various phases of the fixation, grafting, and replacement are shown. For medical and dental personnel.

Borrow from USAFIP. LC card FIE 53-63.

**Construction of 10,000 barrel bolted steel tanks. Part 1: Foundation, bottom, and sidewalls.**

MP, USA, 1954. 16 min, sd, b&w.  
Order no. TF 5-1817.

Shows the construction of the foundation, bottom, and sidewalls of the large steel tanks used by the U.S. Army to store and dispense petroleum products in the field.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-356.

**Construction of 10,000 barrel bolted steel tanks. Part 2: Center support, deck valves, and vents.**

MP, USA, 1954. 9 min, sd, b&w.  
Order no. TF 5-1898.

Shows the erection of the center section, assembly of deck plates and rafters, and installation of valves and vents in the huge steel tanks used by the U.S. Army to store and dispense petroleum products in the field.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-357.

**Construction of the Little Rock Veterans Administration Hospital, part 1.**

MP, USA-Eng, 1951. 43 min, sd, color.

Deals with various phases of the construction of the hospital from a survey of the site to completion of the penthouse, including the use of bar joists and pan

forms, and the damp-proofing of concrete.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1993.

**Construction of the Little Rock Veterans Administration Hospital, part 2.**

MP, USA-Eng, 1951. 30 min, sd, color.

Shows the interior of the completed hospital and explains the operation of various units of the hospital.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1994.

**Consumer education shorts series.**

Ahead of 'em all

An apple a day

Bite 'em and C

Fourteen carrots

Good things come in pears

It's a peach

It's a snap

Juiced for you

Onions and more onions

Potatoes are appealing

Prunes are swell

Queen of the vegetables

**Contour face milling.**

MP, USOE, 1945. 17 min, sd, b&w.  
(Machine shop work series. Operations on the horizontal boring mill, no. 3) Order no. OE 227.  
With instructor's manual.

How to set up the job; align workpiece square with spindle; make a rough-facing cut; and a finish-facing cut.

Buy from UWF. LC card FIE 51-590.

**Contour face milling.**

FS, USOE, 1945. 30 fr, b&w.  
(Machine shop work series. Operations on the horizontal boring mill, no. 3) Order no. OE 277-fs.  
Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-97.

**Control of hemorrhage: Face and jaw wounds.**

FS, USA, 1942. 32 fr, b&w. Order no. FS 8-35.



Demonstrates proper methods of controlling hemorrhage by using digital or compress pressure, ligation of blood vessels, stabilization and fixation of a part for the prevention of shock, and placement of injured on a litter and in an ambulance during evacuation.

Borrow from USAFIP. LC card FIE 53-824.

**Control cables series.**

See Aircraft work series. Control cables.

**Control of louse-borne diseases.**

MP, USA, 1946. 15 min, sd, b&w. Order no. TF 8-1467.

Shows the control of louse-borne diseases through personal and barracks sanitation and the use of DDT and other insecticides. Borrow from USAFIP. LC card FIE 54,75.

**Control of mosquito-borne diseases.**

MP, USA, 1948. 19 min, sd, b&w. Order no. TF 8-1495.

Shows the efforts and cooperation of Army, Navy, and Air Force research personnel, laboratory technicians, and doctors to control and eradicate malaria, dengue, brain fever, and filariasis. Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-1519.

**Control of worms in hogs.**

MP, USDA, 1934. 32 min, si, b&w.

Reviews the life history of internal parasites that infect hogs, including thornheaded worms, nodular worms, stomach worms, roundworms, lungworms, and kidney worms, and shows methods of controlling them.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-402.

**Convalescent care and rehabilitation of patients with injury to the spinal cord.**

MP, USA, 1946. 41 min, sd, color. Order no PMF 5015.

Pictures diagnostic, surgical, nursing, and physical medicine techniques used in the care of convalescent patients with injuries to the spinal cord. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2220.

**Convenient storage spaces, a joy to the farm family.**

FS, USDA, 1936. 62 fr, b&w. Order no. 408. With lecture notes. Diagrams of the utilization of storage space in closets, kitchens, dining and living rooms, bookcases, and out-of-doors.

Withdrawn from active circulation in 1952. LC card FIE 52-2830.

**Conventional signs.**

See Topographic symbols.

**Conversion from black oil to Diesel fuel: Navy improved method.**

MP, USN, 1950. 24 min, sd, b&w. (Navy tank cleaning procedures series) Order no. MN 6689-b. Procedures to be followed in conversion of a tanker from black oil to Diesel fuel cargo.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1265.

**Conversion from black oil to gasoline: Navy chemical method.**

MP, USN, 1950. 27 min, sd, b&w. (Navy tank cleaning procedures series) Order no. MN 6689-c.

Shows how a complete conversion from black oil to gasoline cargo involves maintenance tank cleaning by the Butterworth method, the Navy improved method, and the Navy chemical method. Gives detailed instructions concerning the technical method.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1266.

**Conveying and measuring irrigation water.**

MP, USDA, 1932. 26 min, si, b&w. Shows devices and procedures developed by the Bureau of Agricultural Engineering for measuring, proportioning, and conveying irrigation water.



Rent from USDA film libraries.  
Buy from UWF. LC card FiE  
52-374.

**Cooking and carving of meat.**

MP, USA, 1943. 20 min, sd, b&w.  
(The Army cook series, no. 6)  
Order no. TF 10-1138.

Demonstrates how to carve meat,  
make stew, braise meat, fry in  
deep fat, and cook by dry and  
moist heat methods.

Borrow from USA. Buy from  
UWF. LC card FiE 52-1549.

**Cooking fresh vegetables for the  
school lunch.**

FS, USDA, 1952. 27 double fr,  
color. Order no. C-23. With lec-  
ture notes.

Shows methods of cooking vege-  
tables by boiling, steaming, and  
baking. Prepared for the training  
of school lunch workers.

Buy from PhotoLab. LC card FiE  
53-1048.

**Cooking good meals.**

FS, USPHS, 1950. 48 fr, color  
with disc: 16 in, 33 1/3 rpm,  
8 min. (Taking care of diabetes  
series, no. 8) Order no. 5-148.  
With film guide.

Demonstrates various ways of  
preparing foods for the diabetic  
and his family.

Borrow from USPHS-CDC. Buy  
from HPI. LC card FiE 53-956.

**Cooking meat according to the  
cut.**

FS, USDA, 1947. 54 fr, b&w.  
Order no. 314. With lecture notes.  
How to cook various cuts of meat  
to conserve their food value and  
also to bring out their flavor to  
the fullest extent.

Buy from PhotoLab. LC card FiE  
52-2835.

**Cooking poultry, older birds.**

FS, USDA, 1939. 38 fr, b&w.  
Order no. 561. With lecture notes.  
Shows steps in braising, cas-  
seroling, steaming, and stewing  
older birds; gives suggestions for  
typical dishes.

Buy from PhotoLab. LC card FiE  
52-2834.

**Cooking poultry, young birds.**

FS, USDA, 1939. 51 fr, b&w.  
Order no. 560. With lecture notes.  
Shows steps in broiling, pan fry-  
ing, French frying, and roasting  
young birds.

Buy from PhotoLab. LC card FiE  
52-2833.

**Cooling system.**

FS, USCG, 1943. 58 fr, b&w.  
Order no. SCG 154-1.

Explains the use of water jackets  
and a circulating pump to cool a  
modern engine.

Buy from UWF. LC card FiE  
52-804.

**The cooling system and fuel sys-  
tem.**

MP, USOE, 1945. 22 min, sd,  
b&w. (Automotive operation and  
maintenance series. Preventive  
maintenance, no. 4) Order no. OE  
464. With instructor's manual.

How to check for leaks in the cool-  
ing system; check the fan and  
water pump; mechanical opera-  
tion of the carburetor; filters and  
vents; fuel pump; and leakage in  
the fuel system.

Buy from UWF. LC card FiE  
52-347.

**The cooling system and fuel sys-  
tem.**

FS, USOE, 1945. 44 fr, b&w.  
(Automotive operation and main-  
tenance series. Preventive main-  
tenance, no. 4) Order no. OE  
464-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FiE  
52-2802.

**Cooper Bessemer Diesel engine  
fuel system.**

MP, USN, 1944. 13 min, sd, b&w.  
Order no. MN 46-b.

Covers the fuel injection system,  
examination of the fuel pump,  
fuel delivery and pressure, and  
functioning of the fuel injection  
nozzles.

Buy from UWF. LC card FiE  
52-1069.



**Cooper Bessemer Diesel engine maintenance series**

Bearing disassembly and inspection

Bearing reassembly

Disassembly, part 1

Disassembly, part 2

Engine reassembly, part 1

Engine reassembly, part 2

Engine reassembly, part 3

**Cooper Bessemer Diesel engine maintenance series. Bench work, nos. 1-5**

Cylinder head and piston

Inspection of piston

Reassembly of piston

Cylinder head

Reassembly of cylinder head

**Cooper Bessemer Diesel engine maintenance series. Fuel system nos. 1-5**

Injector block removal and disassembly

Injector block reconditioning and reassembly

Injector block replacement and timing

Fuel pump disassembly

Fuel pump reconditioning and reassembly

**Cooperative wool: From fleece to fabric.**

MP, USDA, 1941. 30 min, sd, b&amp;w.

Shows how cooperative marketing associations of wool growers handle and market wool for their members; and follows the course of wool from sheep to market to factory to consumer.

Borrow from USFCA. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-388.**The coppersmith: Flaring and reducing.**

MP, USN, 1942. 20 min, sd, b&amp;w. (Shipbuilding skills series) Order no. MN 2346-a.

Shows how to flare and reduce small and large tubing, and techniques of annealing, bumping, cleaning, and finishing.

Buy from UWF. LC card FIE 52-1200.**The coppersmith: Flaring and reducing.**

FS, USN, 1944. 43 fr, b&amp;w. (Shipbuilding skills series) Order no. SN 2346-m.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-1798.**The coppersmith: Working out branches from a line.**

MP, USN, 1944. 23 min, sd, b&amp;w. (Shipbuilding skills series) Order no. MN 2346-b.

Describes cutting, working out, and installation process; marking, cutting, raising of the cup to conform with the branch; tack-welding and fitting; and installation of a saddle branch.

Buy from UWF. LC card FIE 52-1201.**The coppersmith: Working out branches from a line.**

FS, USN, 1944. 63 fr, b&amp;w. (Shipbuilding skills series) Order no. SN 2346-n.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-1799.**Coppersmithing series.**See Shipbuilding skills series. Coppersmithing.**Corinth Canal.**

MP, USECA, 1950. 11 min, sd, b&amp;w.

Explains the historical and present day importance of the Corinth Canal to the commerce and prosperity of Greece, how it was destroyed during the war, and its rebuilding in 1947-48 with American help. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-565.**Corn**

MP, USDA, 1953. 17 min, sd, color or b&amp;w.

Explains the preparation of land for the planting of corn, planting and picking practices, problems of storage, and the control of insects.



Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FIE 53-235.

Corn belt farmers fight erosion.  
FS, USDA, 1939. 43 fr, b&w.  
Order no. 572. With lecture notes.  
How to check erosion by counter  
farming, terracing, rotation  
planting, diversion drainage, and  
check dams.

Buy from PhotoLab. LC card FIE  
52-2865.

O corpo humano.  
MP, USOIAA, 1945. 9 min, sd,  
color. Portuguese version of mo-  
tion picture with title, The human  
body.

Explains the importance of the hu-  
man body; shows how its parts  
work; and stresses the values of  
fresh air and a variety of foods.  
Animated cartoon. Buy from  
USIAA. LC card FIE 52-532.

Corpsman.  
MP, USN, 1944. 11 min, sd,  
color. Order no. MN 3689.

Shows training activities, espe-  
cially under simulated battle con-  
ditions, of corpsmen assigned to  
the Marine Corps.

Borrow from USN-BuMed. LC  
card FIE 54-112.

Corralling the Colorado.  
MP, USBR, 1951. 26 min, sd,  
b&w.

Reviews the history of deserts,  
droughts, and floods in the South-  
west; and shows how Hoover,  
Davis, Parker, and Imperial  
Dams now control the Colorado  
River and provide irrigation and  
power to the people of the region.

Borrow from USBR. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-2173.

The correct use of the official  
telephone in the U.S. Army ad-  
ministration.

MP, USA, 1944. 19 min, sd, b&w.  
Order no. FB 104.

Explains the fundamentals of ef-  
ficient placing, receiving, and  
handling of telephone calls; use  
of the directory; and rules of

courtesy and enunciation as prac-  
ticed by the U.S. Army.

Borrow from USA. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-1671.

Correcting the compass.  
FS, USCG, 1944. 47 fr, b&w.  
(Piloting series) Order no. SCG  
136-c.

Shows how to correct the compass  
reading in order to determine the  
direction of both magnetic north  
and true south. Explains deviation  
and how it differs in amount and  
direction according to the location  
and course of the ship.

Buy from UWF. LC card FIE  
52-840.

Corrosion.  
FS, USN, 1942. 33 fr, b&w. Order  
no. SN 646.

Explains methods used to prevent  
and to remove corrosion.

Borrow from USCAA film librar-  
ies. Buy from UWF. LC card  
FIE 52-1866.

Corroyage de surfaces inegales.  
MP, USOE, 1951. 13 min, sd,  
b&w. Order no. OE 304-Fr.  
French version of motion picture  
with title, Face planing uneven  
surfaces.

How to determine the condition  
of boards, correct defects in the  
jointer, face wide stock with a  
slight cross grain, make and use  
a feather board, and face thin  
stock, using a push block.

Buy from UWF. LC card FIE  
53-452.

The cost of an error.  
FS, USA, 1944. 72 fr, b&w, with  
disc: 16 in, 33 1/3 rpm, 12 min.  
(On-the-job supervision series,  
no. 1) Order no. SFS 80-2.

Describes how an error on a  
routing sheet for an overseas  
shipment of material resulted in a  
delay causing unnecessary casual-  
ties and almost the loss of a  
battle.

Borrow from USA. Buy from  
UWF. LC card FIE 53-839.



**Cotton the co-op way.**

MP, USDA, 1947. 10 min, sd, b&w.

Explains the functions of cotton cooperatives and their services to members in the growing, ginning, and marketing of cotton.

Borrow from USFCA. Buy from UWF. LC card FIE 52-408.

**Counterfire.**

MP, USA, 1950. 13 min, sd, b&w. Order no. TF 7-1522.

Shows various methods of locating enemy artillery, including sound locating equipment, aerial photographs and interrogation of enemy prisoners.

Borrow from USA. Cleared for TV. LC card FIE 55-162.

**Countersinking, counterboring, and spotfacing.**

MP, USOE, 1942. 20 min, sd, b&w. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2) Order no. OE 48. With instructor's manual. How to drill holes in steel and cast iron; countersink holes in steel; counterbore holes in cast iron; and spotface holes in cast iron.

Buy from UWF. LC card FIE 51-551.

**Countersinking, counterboring, and spotfacing.**

FS, USOE, 1943. 49 fr, b&w. (Machine shop work series. Operations on the drill press. Vertical drill, no. 2) Order no. OE 48-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-37.

**The county agent.**

MP, USOIAA, 1946. 17 min, sd, b&w. (Ohio town series)

Shows some of the activities of a county agent and his services to farmers--giving advice on soil conservation, helping plan a new barn, etc.

Buy from UWF. LC card FIE 52-703.

**The county agent.**

FS, USDA, 1944. 64 fr, single or double, b&w. Order no. 654. With lecture notes.

Describes briefly the agricultural background, activities, influence, and role of the county agent as a rural leader.

Buy from PhotoLab. LC card FIE 52-2875.

**County government.**

MP& USIA, 1949. 28 min, sd, b&w.

Explains the system of county government in the United States as illustrated by Westchester County, N. Y.; its legislative, executive, and judicial functions; and its relationships to the state and federal governments. Prepared for overseas use.

Buy from UWF. LC card FIE 52-890.

**Coupe de tenons et de segments.**

MP, USOE, 1951. 15 min, sd, b&w. Order no. OE 308-Fr. French version of motion picture with title, Cutting tenons and segments.

How to lay out and cut a tenon; set up the equipment to make shoulder and check cuts; prepare a jig to trim and miter segments; and guide the jig, using a sliding miter gage.

Buy from UWF. LC card FIE 53-456.

**Covering hot and cold pipes.**

MP, USOE, 1944. 22 min, sd, b&w. (Shipbuilding skills series. Pipe insulation, no. 1) Order no. OE 109. With instructor's manual.

Materials used to insulate hot and cold pipes, how to insulate straight pipe; cover coupling, bend, elbow, valve, and flange; and insulate cold pipes.

Buy from UWF. LC card FIE 52-230.

**Covering hot and cold pipes.**

FS, USOE, 1944. 54 fr, b&w. (Shipbuilding skills series. Pipe insulation, no. 1) Order no. OE 109-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2718.

**Covering with fabric.**

FS, USN, 1942. 65 fr, b&w. Order no. SN 182.

Explains the blanket and envelope methods of wing covering and shows the various covering operations used before rib stitching.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1837.

**Crash fire rescue.**

MP, USN, 1954. 23 min, sd, b&w. Order no. MN 5892.

Stresses the importance of exerting every effort to rescue personnel involved in all-aircraft crashes. Considers the three essentials for fire (fuel, heat, and oxygen) and shows how water, carbon dioxide, and foam are used as extinguishing agents. Demonstrates extinguishing equipment on several fires resulting from simulated crashes.

Borrow from USCAA film libraries. LC card FIE 54-265.

**The crawl stroke.**

MP, USCG, 1943. 8 min, sd, b&w. Order no. MCG 115-j.

Demonstrates the kick and the arm movement employed in the crawl stroke, and how they are combined.

Buy from UWF. LC card FIE 52-860.

**Creative leisure.**

MP, USA-CAD, 1951. 20 min, sd, b&w.

Shows how some Americans spend their leisure in pursuit of the arts. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1957.

**Cricothyroidotomy.**

MP, USN, 1953. 11 min, sd, color. Order no. MN 7469.

Shows by live action and animation the procedure for temporary

relief of an obstruction in air passage of a wounded man by the performance of a cricothyroidotomy.

Buy from UWF. LC card FIE 54-293.

**The crime of Korea.**

MP, US Defense, 1950. 15 min, sd, b&w. Order no. AFSR 125.

A war correspondent's reports on Korea after its liberation from Japan in 1945, and after the Communist destruction and devastation of the country and its people in 1950.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1414.

**Crop insurance.**

MP, USDA, 1946. 2 min, sd, b&w. How farmers can insure their crops, through the Federal Crop Insurance Corporation, against fire, flood, drought, insects, and other calamities.

Borrow from USFCIC. Buy from UWF. LC card FIE 52-389.

**Crop reporting in the United States.**

FS, USDA, 1950. 34 fr, single or double, b&w. Order no. 687.

Explains how crop reporting, based on questionnaires regarding acreage, production, livestock, and other farm produce, and cost for supplies and labor, results in reducing farmers' risk in buying, selling, and handling farm produce.

Buy from PhotoLab. LC card FIE 53-844.

**The crop that never fails.**

MP, USDA, 1946. 7 min, sd, b&w. Explains how the regular purchase of U. S. savings bonds gives farmers protection against future hard times--floods, drought, dust, disease, grasshoppers, inflation, and depression.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-492.

**Crops of the Americas.**

FS, USDA, 1949. 44 double fr, color. Order no. C-7. Revision



of 1948 b&w version with the same title. With lecture notes. Shows the wide variety of products of South and Central America imported into the United States. Buy from PhotoLab. LC card FIE 52-2868.

**Crops of the Americas.**  
FS, USDA, 1948. 41 fr, single or double, b&w. Order no. 684. With lecture notes. Shows the wide variety of products of South and Central America imported into the United States. Buy from PhotoLab. LC card FIE 52-2867.

**Crossing at night.**  
MP, USN, 1943. 20 min, sd, color. (Rules of the nautical road series) Order no. MN 202-u. Defines the meaning of crossing in relation to a ship's bearing and presents several examples of ships crossing, the exchange of signals, and the resultant action of each ship. Buy from UWF. LC card FIE 52-951.

**Crossing steam vessels.**  
MP, USN, 1943. 15 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-r. Explains whistle signals and rules for crossing in international and inland waters. Buy from UWF. LC card FIE 52-948.

**Cruising the northern seas.**  
MP, USN, 1953. 11 min, sd, color. Order no. MN 7439. A pictorial record of the 1950-51 winter icebreaker operations conducted by the USS Burton Island in the Bering Seas. Shows various phases of icebreaking and helicopter ice reconnaissance techniques. Buy from UWF. Cleared for TV. LC card FIE 54-377.

**Cuernavaca.**  
MP, USOIAA, 1943. 11 min, sd, color. Tourist view of the Mexican towns of Cuernavaca, Taxco, and Aca-pulco.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-704.

**El cuerpo humano.**  
MP, USOIAA, 1945. 9 min, sd, color. Spanish version of motion picture with title, The human body. Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon. Buy from USOIAA. LC card FIE 52-531.

**Cuidado de la madre.**  
MP, USOIAA, 1947. 11 min, sd, color. Spanish version of motion picture with title, Wise parents, healthy babies. Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases. Buy from USOIAA. Cleared for TV. LC card FIE 52-518.

**El cuidado del niño.**  
MP, USOIAA, 1945. 10 min, sd, color. Spanish version of motion picture with title, Infant care. Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon. Buy from USOIAA. Cleared for TV. LC card FIE 52-552.

**Culicidae mosquitoes.**  
FS, USN, 1944. 96 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Field sanitation series, no. 2) Order no. SN-1934-b. Stresses the importance of mosquito and malaria control; explains the life cycle and habits of the mosquito; and illustrates methods of mosquito control. For medical personnel. Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1765.



**Cull for profit.**

MP, USDA, 1951. 9 min, sd, color.

Shows the times when it is economical and convenient to cull low productin poultry birds, and describes the physical characteristics to look for in determining which birds to unload and which ones to keep.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 52-2152.

**The Cummington story.**

MP, USOWI, 1945. 22 min, sd, b&w. (American scene series, no. 14)

Portrays the experiences of a refugee family in a New England town, their diffidence as newcomers, and their later acceptance into the life of the community. Prepared for overseas use.

Buy from UWF. LC card FIE 52-780.

**Curing pork country style.**

MP, USDA, 1945. 18 min, sd, b&w with color sequences.

Shows how to cure pork by the "dry" and "brine" methods; and gives instructions on the preparation, smoking, cooling, wrapping, and storage of meat.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-394.

**Current and electromotive force.**

MP, USN, 1945. 11 min, sd, b&w. (Radio technician training series. Elementary electricity) Order no. MN 1540-t.

Explains electron theory, the arrangement of molecules, building up of current, conductors, electromotive force, resistance, and chemical and mechanical sources of electromotive force.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-909.

**Current and electromotive force.**

FS, USN, 1945. 38 fr, b&w. (Radio technician training series. Elementary electricity) Order no. SN 1540-at.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-910.

**Curtiss electric propeller disassembly. Part 1: Power unit**

FS, USAF, 1943. 70 fr, b&w. Order no. FS 1-266.

Shows step-by-step process of disassembling the power unit of the standard-type Curtiss electric propeller.

Borrow from USCAA film libraries. LC card FIE 53-1019.

**Curtiss electric propeller disassembly. Part 2: Hub and blades**

FS, USAF, 1943. 50 fr, b&w. Order no. FS 1-289.

Shows the step-by-step process of disassembling the hub and blades of the Curtiss electric propeller (standard unit).

Borrow from USCAA film libraries. LC card FIE 53-1016.

**Cutaneous infections.**

FS, USPHS, 1951. 16 double fr, color. (The histopathology of human fungus infections series) Order no. F 13-b.

Depicts morphological characteristics of tissue phases of fungi with particular reference to tinea capitis, ectothrix infection; tinea capitis, endothrix infection; and tinea corporis. Consists of pictures which may be used for making 2 x 2-inch slides. Borrow from USPHS--CDC. LC card FIE 53-974.

**Cutting a dovetail taper slide.**

MP, USOE, 1944. 26 min, sd, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 2) Order no. OE 73. With instructor's manual.

How to machine a dovetail taper slide on the vertical milling machine; use a rotary table in milling a taper; and mill to layout lines.

Buy from UWF. LC card FIE 51-568.



**Cutting a dovetail taper slide.**

FS, USOE, 1944. 38 fr, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 2) Order no. OE 73-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-75.

**Cutting a forequarter of beef.**

MP, USA, 1943. 17 min, sd, b&w. (The Army cook series, no. 3) Order no. TF 10-1135.

Demonstrates how to trim, bone, and separate a forequarter of beef into cuts for steaks, roasts and stews, and how to use each cut to the best advantage.

Borrow from USA. Buy from UWF. LC card FiE 52-1546.

**Cutting a hindquarter of beef.**

MP, USA, 1943. 14 min, sd, b&w. (The Army cook series, no. 2) Order no. TF 10-1134.

Shows the bone structure of a hindquarter of beef; and demonstrates how to trim, bone, and separate it into various cuts.

Borrow from USA. Buy from UWF. LC card FiE 52-1545.

**Cutting a keyway on end of a finished shaft.**

MP, USOE, 1941. 13 min, sd, b&w. (Machine shop work series. Operations on the shaper, no. 1) Order no. OE 19. With instructor's manual.

How to lay out a keyway on a shaft; set up a round shaft in a shaper vise; set ram stroke and speed; and cut a keyway.

Buy from UWF. LC card FiE 51-524.

**Cutting a keyway on end of a finished shaft.**

FS, USOE, 1943. 42 fr, b&w. (Machine shop work series. Operations on the shaper, no. 1) Order no. OE 19-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-51.

**Cutting a round end keyway.**

MP, USOE, 1944. 22 min, sd, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 3) Order no. OE 74. With instructor's manual.

How to cut a round end keyway in a steel shaft; align the spindle and workpiece by using a test bar; use a two-lip end mill to sink a hole in solid stock; set trip dogs and table stops; and check the finished dimensions of a round end keyway.

Buy from UWF. LC card FiE 51-567.

**Cutting a round end keyway.**

FS, USOE, 1944. 32 fr, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 3) Order no. OE 74-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-72.

**Cutting a short rack.**

MP, USOE, 1945. 18 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 6) Order no. OE 208. With instructor's manual.

How to set up and align the workpiece on a milling machine table; position table and workpiece in relation to the cutter; and rough- and finish-mill the workpiece.

Buy from UWF. LC card FiE 51-605.

**Cutting a short rack.**

FS, USOE, 1945. 36 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 6) Order no. OE 208-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-113.

**Cutting a taper with the compound rest and with a taper attachment.**

MP, USOE, 1941. 11 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 3) Order no. OE 8. With instructor's manual.



How to set the compound rest; machine a steep taper; set the taper attachment; machine a small taper; and use a taper plug gage.

Buy from UWF. LC card FiE 51-514.

**Cutting a taper with the compound rest and with a taper attachment.**

FS, USOE, 1943. 41 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 3) Order no. OE 8-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-16.

**Cutting an external acme thread.**  
MP, USOE, 1942. 16 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 7) Order no. OE 45. With instructor's manual.

How to cut threads with and without using the threading dial; finish-machine the threads to size; and check thread size with a thread gage.

Buy from UWF. LC card FiE 51-559.

**Cutting an external acme thread.**  
FS, USOE, 1944. 63 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 7) Order no. OE 45-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-67.

**Cutting an external national fine thread.**

MP, USOE, 1941. 12 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 5) Order no. OE 10. With instructor's manual.

Basic forms of screw threads; characteristics of the National fine thread; how to set lathe gears to cut threads of a given pitch; set depths of cuts; and use the threading dial.

Buy from UWF. LC card FiE 51-558.

**Cutting an external national fine thread.**

FS, USOE, 1943. 44 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 5) Order no. OE 10-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-69.

**Cutting an internal acme thread.**

MP, USOE, 1943. 22 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 8) Order no. OE 56. With instructor's manual.

How to set up the lathe and cut an internal right-hand Acme thread; grind and check the stocking and forming tools; and gage the finished threads.

Buy from UWF. LC card FiE 51-540.

**Cutting an internal acme thread.**

FS, USOE, 1943. 38 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 8) Order no. OE 56-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-66.

**Cutting an internal taper pipe thread.**

MP, USOE, 1943. 20 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 9) Order no. OE 57. With instructor's manual.

How to use a taper attachment; bore a tapered hole to gage size for threading; thread a tapered hole to fit a gage; and check pipe threads with a taper thread plug gage.

Buy from UWF. LC card FiE 51-506.

**Cutting an internal taper pipe thread.**

FS, USOE, 1943. 35 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 9) Order no. OE 57-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-26.

**Cutting and boning a forequarter of beef.**

MP, USOE, 1945. 19 min, sd, b&w. (Farm work series. Meat cutting, no. 1) Order no. OE 456. With instructor's manual.

How to chill beef; quarter it; trim the forequarter; cut wing, cross-cut, chuck, brisket, and chuck; and prepare meat for freezing or canning.

Buy from UWF. LC card F1E 52-309.

**Cutting and boning a forequarter of beef.**

FS, USOE, 1945. 50 fr, b&w. (Farm work series. Meat cutting, no. 1) Order no. OE 456-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2766.

**Cutting and boning a hindquarter of beef.**

MP, USOE, 1945. 17 min, sd, b&w. (Farm work series. Meat cutting, no. 2) Order no. OE 457. With instructor's manual.

How to separate the round from loin and rump; cut the round; remove the tenderloin; separate sirloin and rump from shell loin; and prepare meat for freezing or canning.

Buy from UWF. LC card F1E 52-308.

**Cutting and boning a hindquarter of beef.**

FS, USOE, 1945. 49 fr, b&w. (Farm work series. Meat cutting, no. 2) Order no. OE 457-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2765.

**Cutting and threading pipe by hand.**

MP, USOE, 1944. 12 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 2) Order no. OE

106. With instructor's manual. How to use pipe cutter and pipe reamer; select and insert proper dies in stock; thread pipe by hand; test threads for fit; prepare fitted pipe for delivery; and care for tools.

Buy from UWF. LC card F1E 52-203.

**Cutting and threading pipe by hand.**

FS, USOE, 1944. 47 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 2) Order no. OE 106-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2684.

**Cutting and threading pipe on a power machine.**

MP, USOE, 1944. 17 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 3) Order no. OE 107. With instructor's manual.

How to measure and cut pipe for fittings; ream pipe which has been cut; and thread pipe by machine.

Buy from UWF. LC card F1E 52-208.

**Cutting and threading pipe on a power machine.**

FS, USOE, 1944. 48 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 3) Order no. OE 107-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2682.

**Cutting cove molding and a core-box.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining series. Operations on the variety saw, no. 4) Order no. OE 311. With instructor's manual.

How to select stock for cove molding; cut and rip cove molding; select the proper blade for oblique cutting; and cut a deep hollow.

Buy from UWF. LC card F1E 52-58.



**Cutting cove molding and a core-box.**

FS, USOE, 1945. 41 fr, b&w. (Precision wood machining series. Operations on the variety saw, no. 4) Order no. OE 311-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2597.

**Cutting grooves with circular saw blades.**

MP, USOE, 1945. 22 min, sd, b&w. (Precision wood machining series. Operations on the spindle shaper, no. 3) Order no. OE 320. With instructor's manual.

How to set up the machine to cut grooves; cut grooves in stiles and rails; cut grooves for splines; and cut stop channels in mirror frame members.

Buy from UWF. LC card F1E 52-41.

**Cutting grooves with circular saw blades.**

FS, USOE, 1945. 56 fr, b&w. (Precision wood machining series. Operations on the spindle shaper, no. 3) Order no. OE 320-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2537.

**Cutting keyways.**

MP, USOE, 1941. 15 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 1) Order no. OE 12. With instructor's manual.

How to set up a shaft on the table of the milling machine for cutting a keyway at each end; select the proper cutter; determine the correct speed and feed; set the machine for the proper depth and length of cut; and mill keyways to specified dimensions.

Buy from UWF. LC card F1E 51-12.

**Cutting keyways.**

FS, USOE, 1943. 42 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 1) Order no. OE 12-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-11.

**Cutting lamb.**

MP, USA, 1943. 14 min, sd, b&w. (The Army cook series, no. 4) Order no. TF 10-1136.

Shows the bone structure of a lamb and how to carve a carcass into various kitchen cuts.

Borrow from USA. Buy from UWF. LC card F1E 52-1547.

**Cutting teeth on a worm gear.**

MP, USOE, 1945. 17 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 9) Order no. OE 211. With instructor's manual.

How to set dividing head for specified indexing; position workpiece for gashing; gash the teeth on the workpiece; position workpiece under dead center of hob; mesh gashed gear with hob; and hob the teeth.

Buy from UWF. LC card F1E 51-598.

**Cutting teeth on a worm gear.**

FS, USOE, 1945. 40 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 9) Order no. OE 211-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-105.

**Cutting tenons and segments.**

MP, USOE, 1945. 15 min, sd, b&w. (Precision wood machining series. Operations on the variety saw, no. 3) Order no. OE 308. With instructor's manual.

How to lay out and cut a tenon; set up the equipment to make shoulder and check cuts; prepare a jig to trim and miter segments; and guide the jog, using a sliding miter gage.

Buy from UWF. LC card F1E 52-57.

**Cutting tenons and segments.**

FS, USOE, 1945. 32 fr, b&w. (Precision wood machining se-



ries. Operations on the variety saw, no. 3) Order no. OE 308-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2598.

**Cutting threads with taps and dies.**

MP, USOE, 1942. 19 min, sd, b&w. (Machine shop work series. Bench work, no. 1) Order no. OE 34. With instructor's manual.

Principles of cutting threads with taps and dies; tapping full threads in a blind hole; tapping through holes; and cutting threads with an adjustable die.

Buy from UWF. LC card F1E 51-557.

**Cutting threads with taps and dies.**

FS, USOE, 1943. 48 fr, b&w. (Machine shop work series. Bench work, no. 1) Order no. OE 34-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-68.

**Cutting veal and pork.**

MP, USA, 1943. 13 min, sd, b&w. (The Army cook series, no. 5) Order no. TF 10-1137.

Demonstrates how to divide a side of veal into major cuts and prepare for cooking; how to divide pork into ham, loin, side, spare-rib and shoulder; and how to use each part to the best advantage.

Borrow from USA. Buy from UWF. LC card F1E 52-1548.

**Cutting with carbide tools. Part 1: Single point.**

MP, USOE, 1945. 19 min, sd, b&w. (Machine shop work series. Carbide cutting tools, no. 4) Order no. OE 244. With instructor's manual.

How to machine a steel forging on an engine lathe, using a single-point carbide tool.

Buy from UWF. LC card F1E 52-14.

**Cutting with carbide tools. Part 1: Single point.**

FS, USOE, 1945. 40 ft, b&w. (Machine shop work series. Carbide cutting tools, no. 4) Order no. OE 244-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2512.

**Cutting with carbide tools. Part 2: Milling cutters.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Carbide cutting tools, no. 5) Order no. OE 245. With instructor's manual.

How to face-mill a steel forging with a carbide milling cutter.

Buy from UWF. LC card F1E 52-15.

**Cutting with carbide tools. Part 2: Milling cutters.**

FS, USOE, 1945. 34 fr, b&w. (Machine shop work series. Carbide cutting tools, no. 5) Order no. OE 245-fs.

Supplements motion picture the same title.

Buy from UWF. LC card F1E 52-2511.

**Cylinder and piston assemblies.**

FS, USAF, 1942. 32 fr, b&w. Order no. FS 1-27.

Explains the function, construction, and operation of air-cooled and liquid-cooled cylinder assemblies, valves, and valve-operating mechanisms.

Buy from UWF. LC card F1E 52-1906.

**Cylinder and valve maintenance.**

FS, USN, 1946. 123 fr, color with disc: 16 in, 33 1/3 rpm, 18 min. (Navy industrial gases series) Order no. SN 6121-d.

Describes the steps to follow in the maintenance of several types of compressed gas cylinders.

Buy from UWF. LC card F1E 52-1822.

**Cylinder head.**

MP, USN, 1943. 16 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Bench work,



no. 4) Order no. MN 2364-h. Demonstrates how to inspect and recondition the cylinder head. Buy from UWF. LC card FIE 52-1245.

**Cylinder head and piston.**

MP, USN, 1943. 20 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Bench work, no. 1) Order no. MN 2364-e.

Shows how to disassemble the cylinder head and piston; inspect the cover frame; check rocker arms; remove valves and cross-heads, wedging piston, piston pin bolts, connecting rod, piston pin caps, and piston pin.

Buy from UWF. LC card FIE 52-1242.

**Cylinder head removal.**

MP, USN, 1945. 22 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engine series. Disassembly) Order no. MN 3708-a.

How to remove piston oil cooling tubes, cylinder head covers, test valve, rocker arm assemblies, fuel lines, injector linkage, injectors, and cylinder head.

Buy from UWF. LC card FIE 52-1366.

**Cylinder inspection and filling.**

FS, USN, 1946. 126 fr, color with disc: 16 in, 33 1/3 rpm, 20 min. (Navy industrial gases series) Order no. SN 6121-c.

Explains how to inspect a cylinder for defects; and fill the cylinder in accordance with procedures specified in the gas manual and appropriate filling table.

Buy from UWF. LC card FIE 52-1821.

**D. C. motor. Part 1: Mechanical overhaul.**

MP, USOE, 1945. 20 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 1) Order no. OE 392. With instructor's manual.

How to test for electrical and

mechanical faults; dismantle D.C. motor; turn the commutator; repair and replace field coils; assemble the motor; and adjust and make final tests.

Buy from UWF. LC card FIE 52-182.

**D. C. motor. Part 1: Mechanical overhaul.**

FS, USOE, 1945. 37 fr, b&w. (Electrical work series. Motor maintenance and repair, no. 1) Order no. OE 392-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2662.

**D. C. motor. Part 2: Rewinding.**

MP, USOE, 1945. 37 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 2) Order no. OE 393. With instructor's manual.

How to dismantle and clean an armature core; determine commutator pitch; reinsulate the core; insert coils; band an armature; shape coil ends; lay in and solder leads; balance and impregnate the armature; and turn a commutator.

Buy from UWF. LC card FIE 52-188.

**D. C. motor. Part 2: Rewinding.**

FS, USOE, 1945. 43 fr, b&w (Electrical work series. Motor maintenance and repair, no. 2) Order no. OE 393-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2663.

**DDT.**

MP, USN, 1944. 17 min, sd, color. (Medicine in action series, no. 5) Order no. MN 3726-e.

Explains the use of DDT as insecticide and larvicide, how mixed effects are obtained, precautions to be observed, and dispersal methods in emulsion, oil, or dust solutions.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-994.



**DDT as a mosquito larvicide.**

MP, USPHS, 1954. 12 min, sd, b&w. (Malaria control series) Order no. 4-035.3. With film guide.

Shows hand spraying of DDT in mosquito larviciding. Demonstrates mixing the solution; function, care, and use of equipment; and approved application practices. Explains the advantages of DDT.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-242.

**DDT as a mosquito larvicide.**

FS, USPHS, 1947. 81 fr, b&w with disc: 16 in, 33 1/3 rpm, 18 min. (Malaria control series) Order no. 5-074. With film guide. Supplements motion pictures with the same title.

Borrow from USPHS-CDC. LC card FIE 52-2986.

**DDT in the control of household insects.**

MP, USA, 1948. 17 min, sd, b&w. Order no. TF 8-1468. Shows methods of using DDT to kill houseflies, cockroaches, and bedbugs.

Borrow from USA, USAF or USA-FIP. Buy from UWF. LC card FIE 52-1516.

**D-day convoy.**

MP, USA, 1948. 19 min, sd, b&w. (Historical reports series) Order no. HR-B-15.

Postwar recapitulation of activities prior to and including D-day, showing how American troops were moved from all parts of England to embarkation posts for the Normandy invasion.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1687.

**D-day minus one.**

MP, USAF, 1945. 16 min, sd, b&w. Order no. SFP 158-a.

A record of the operations of the U. S. 82nd and 101st Airborne Divisions in the 1944 invasion of France, and of paratroops, glid-

ers, and troop carriers landing in France a day prior to the main invasion.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1450.

**The Dairy Herd Improvement Association identification and permanent record program.**

FS, USDA, 1939. 38 fr, b&w. Order no. 554. With lecture notes. Explains the identification markings employed by the association; methods of ear tagging; and the keeping of identification and production records.

Buy from PhotoLab. LC card FIE 52-2889.

**Damage control: The chemistry of fire.**

MP, USN, 1943. 46 min, sd, b&w. Order no. MN 61-a. Known also as The chemistry of fire.

Demonstrates how the elements of fuel, oxygen, and ignition temperature must be present in order to have fire; differentiates between flash point and ignition point of fuels; and explains ways to extinguish a fire.

Borrow from USCAA film libraries. Withdrawn from sale in 1951. LC card FIE 53-261.

**Damage control: School of the fire fighter.**

MP, USN, 1943. 38 min, sd, b&w. Order no. MN 61-b.

Demonstrates how to approach and fight various types of fires, handle the apparatus, and use carbon-dioxide extinguishers and foam in fighting fires.

Borrow from USCAA film libraries. LC card FIE 54-281.

**Dangerous war trophies.**

MP, US Defense, 1953. 12 min, sd, b&w. Order no. AFIF 23.

Emphasizes and illustrates that rifles, grenades, shells, and other war trophies can be dangerous; and explains the procedures to follow in making such trophies harmless.

Borrow from USA, USAF or USN. Buy from UWF. Cleared for TV. LC card FIE 53-92.



**The David Taylor Model Basin, Carderock, Maryland.**

MP, USN, 1954. 12 min, sd, b&w. Order no. MN 8095.

Presents the story of the men and science involved in the research, development, and testing of ship and aircraft designs for the U. S. Navy. Sequences feature a tour of three laboratories--hydro-mechanics, structural mechanics, and aerodynamics--including a high speed towing and turning basin almost 3/5 of a mile long, a circulating water channel, two variable pressure water tunnels, several wind tunnels, and two wave-making basins.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-358.

**Day for decision.**

MP, USVA, 1953. 15 min, sd, b&w.

Explains to disabled veterans the purpose, function, and value of the vocational counseling services of the Veterans Administration.

Borrow from USVA. Cleared for TV. LC card FIE 53-658.

**The day is new.**

MP, USOIAA, 1942. 10 min, sd, b&w.

A day in Mexico City from dawn to dark; daily pursuits similar to those found in middle-class American city life.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-740.

**Day of battle.**

MP, USOWI, 1944. 10 min, sd, b&w.

Story of an aircraft carrier--how it was built and subsequently destroyed in a battle in the South Pacific.

Buy from UWF. LC card FIE 52-774.

**Day's work of a navigator at sea.**

MP, USN, 1950. 15 min, sd, b&w. Order no. MN 6742-b.

Reviews the general duties of

a navigator on a destroyer, including morning position, morning sun, time signal, noon sun, course changes, afternoon sun, evening stars, and night orders. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1251.

**Day's work of a navigator in pilot waters.**

MP, USN, 1950. 13 min, sd, b&w. Order no. MN 6742-c.

Reviews the general duties of a navigator on a destroyer, including working loran position, studying harbor charts and tide tables, operating fathometer, taking bearings, making soundings, and anchoring.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1252.

**Dead out.**

MP, USDA, 1948. 22 min, sd, color.

Dramatized story of a young Southern farmer who fails to make sure that his brush fires are "dead out" with the result that a strong wind fans a smoldering pile into flame and the fire destroys his house and buildings. Demonstrates correct ways of burning brush.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-596.

**Dead reckoning.**

FS, USN, 1942. 62 fr, b&w. Order no. SN 804.

Explains the theory of dead reckoning and demonstrates its practical applications.

Borrow from USCAA film libraries. LC card FIE 54-771.

**Dead reckoning, air.**

MP, USN, 1944. 34 min, sd, b&w. (Navigation series) Order no. MN 83-j.

Shows ground track, air track, wind effect, correction angle, drift angle, establishment of wind direction and velocity by both grid method and drift method. College level.



Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-982.

**Dead reckoning instruments  
Part 1: Driftmeters.**

FS, USAF, 1943. 56 fr. b&w. (Aerial navigation series.) Order no. FS1-324. Explains drift and its effect upon aircraft; and tells what driftmeters are and how they function. Borrow from USCAA film libraries. LC card FIE 53-1013.

**Dead reckoning: Plotting, and celestial lines of position.**

MP, USN, 1943. 40 min, sd, b&w. (Navigation series) Order no. MN 83-g.

Explains the basic plan of the Mark 3 board, animating a small scale problem as it is worked out on the board; plots in geographic position and solution of wind problem. College level.

Buy from UWF. LC card FIE 52-979.

**Dear boss.**

MP, USN, 1952. 26 min, sd, b&w. Order no. MN 7400.

Dramatized story of a small-town girl who joins the Waves and, in a letter to her former boss, tells of her experiences in "boot camp" and on her first assignment.

Borrow from USN. Cleared for TV. LC card FIE 53-248.

**Debridement of compound fracture of the skull.**

MP, USA, 1948. 13 min, sd, color. Order no. PMF 5085.

Demonstrates a surgical approach to the debridement of a compound depressed fracture of the right temple region, as practiced during World War II. For medical personnel.

Borrow from USAFIP. LC card FIE 53-35.

**December 7th.**

MP, USN, 1943. 34 min, sd, b&w. Order no. MN 2868.

Shows the destruction of planes, hangars, and ships, and the loss of lives at Pearl Harbor.

Borrow from USN. Withdrawn from sale in 1954. LC card FIE 52-1128.

**Decision at Williamsburg.**

MP, US Defense, 1953. 20 min, sd, color. Order no. AFIF 45.

Through historical paintings, 18th century drawings, maps, and photographs, portrays the major events leading up to the Revolutionary War, and explains the causes and significance of these events.

Borrow from USA or USAF. Cleared for TV. LC card FIE 54-97.

**A decision for Bill.**

MP, USDA, 1947. 24 min, sd, color.

Reviews the work of the U.S. Dept. of Agriculture and explains the careers in public service open to scientists, forest rangers, economists, statisticians, conservationists, administrators, etc. in the Department.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-580.

**Deck girders: Subassembly.**

MP, USOE, 1942. 15 min, sd, b&w. (Shipbuilding skills series.

Work of shipfitter and shipwright, no. 5) Order no. OE 28.

With instructor's manual.

Use of transverse and longitudinal girders in hull structures; how to fit, weld, and rivet stiffening brackets to a transverse girder and to a longitudinal girder.

Buy from UWF. LC card FIE 52-195.

**Deck girders: Subassembly.**

FS, USOE, 1943. 44 fr, b&w. (Shipbuilding skills series.

Work of shipfitter and shipwright, no. 5) Order no. OE 28-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2675.

**Deck plates: Regulating and setting.**

MP, USOE, 1942. 16 min, sd, b&w. (Shipbuilding skills series. Work



of shipfitter and shipwright, no. 10) Order no. OE 33. With instructor's manual.

How to mark off the centerline, frame lines, and buttock lines on deck girders; line up deck plates to the reference lines; fit square, scarfed, and V-type butt joints; and hold plates flush for welding. Buy from UWF. LC card FIE 52-200.

**Deck plates: Regulating and setting.**

FS, USOE, 1943. 38 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 10) Order no. OE 33-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2680.

**The deck: Setting up a web frame and a transverse beam.**

MP, USOE, 1942. 17 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6) Order no. OE 29. With instructor's manual.

How to square a web frame with the frame and buttock lines; shore up a transverse deck beam; and fair the transverse beam to the centerline and frame line of the deck.

Buy from UWF. LC card FIE 52-196.

**The deck: Setting up a web frame and a transverse beam.**

FS, USOE, 1943. 47 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 6) Order no. OE 29-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2676.

**Decortication in the treatment of tuberculous pleuritis.**

MP, USA, 1952. 23 min, sd, color. (Thoracic surgery series) Order no. PMF 5210.

Operative procedure for the decortication of the lung in the treatment of tuberculous pleuritis.

Borrow from USAFIP. LC card FIE 54-71.

**Deep sea diving series.**

The diving dress  
Medical and physical  
Shallow water diving  
The technique of diving

**Deep waters.**

MP, USA-Eng, 1949. 21 min, sd, color. Explains the importance of deep-water harbor channels through a portrayal and study of Hampton Roads.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1986.

**Defense against invasion.**

MP, USOIAA, 1943. 13 min, sd, color.

Explains how vaccination makes the body immune to certain diseases. Animated cartoon.

Rent from USOIAA film libraries.

Buy from USHIAA. Cleared for TV. LC card FIE 52-510.

**Defesa contra invasão.**

MP, USOIAA, 1943. 13 min, sd, color. Portuguese version of motion picture with title, Defense against invasion.

Explains how vaccination makes the body immune to certain diseases. Animated cartoon.

Buy from USHIAA. Cleared for TV. LC card FIE 52-526.

**Defense of Antwerp against the V-1.**

MP, USA, 1947. 21 min, sd, b&w. Order no. MF 1286.

Shows how Antwerp, liberated after four years of German occupation, was battered by the V-1 bomb, and how the port was saved by Allied gunners using a shifting defense strategy known as Antwerp X.

Borrow from USA. Buy from UWF. LC card FIE 52-1614.

**Defense of the western hemisphere.**

MP, US Defense, 1951. 18 min, sd, b&w. Order no. AFSR 130.

Explains the steps taken to strengthen hemispheric defense by cooperation among the nations of North and South America, the Organization of American States,



the Inter-American Defense Board, and assistance provided by U.S. Military Missions. Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2038.

**Defensive driving: Tailgating, left turns, parked cars.**  
FS, USDA, 1952. 65 double fr, b&w. Order no. 700. With lecture notes.

Defines defensive driving as defending oneself against the mistakes of other drivers and gives examples of what to do when a driver follows too closely, when making a left turn, and when passing parked cars. Prepared originally for use by Soil Conservation Service employees. Buy from PhotoLab. LC card FIE 53-1035.

**Defensive driving: Tailgating, left turns, parked cars.**  
MP, USDA, 1953. 13 min, sd, b&w.

Filmagraph made from filmstrip with the same title. Covers the same material.

Buy from UWF. LC card FIE 54-189.

**Deflasking the cured denture.**  
FS, USN, 1949. 28 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-h.

Describes how the cured denture is removed from the flask and from its stone or plaster investment. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1814.

**Dégauchissage des champs et extrémités d'équerre avec la face.**  
MP, USOE, 1951. 17 min, sd, b&w. Order no. OE 302-Fr. French version of motion picture with title, Jointing edges and ends 90 degrees to face.

Functions and operation of the jointer, shows how to identify surfaces of a piece of stock, joint a square edge to size, and

joint a piece of glued stock to size.

Buy from UWF. LC card FIE 53-451.

**Dégauchissage d'un champ pour le collage: Installation des couteaux.**

MP, USOE, 1951. 21 min, sd, b&w. Order no. OE 305-Fr. French version of motion picture with title, Jointing an edge for gluing: Installing knives.

How to determine when knives are dull, remove dull knives, install sharp knives on the cutter head and adjust them for proper cutting, straighten crooked stock, and join edges for gluing.

Buy from UWF. LC card FIE 53-453.

**De-icer servicing and installation.**

FS, USN, 1942. 80 fr, b&w. Order no. SN 151.

Shows the principles of operation, installation, and servicing of the Goodrich de-icer.

Borrow from USCAA film libraries. LC card FIE 54-770.

**De-icing equipment: Units and their functions.**

FS, USAF, 1942. 38 fr, b&w. Order no. FS 1-208.

Shows how the de-icing mechanism works and the valves necessary for proper functioning of de-icer shoes.

Borrow from USCAA film libraries. LC card FIE 53-1023.

**Demonstration of Cushing's experiment in the dog.**

MP, USA, 1949. 14 min, sd, color. Order no. PMF 5111.

Demonstrates the essential details to follow, in performing Cushing's experiment on the dog, to elicit respiratory and circulatory responses through the elevation of cerebrospinal fluid pressure. For medical personnel.

Borrow from USAFIP. LC card FIE 53-81.



**Demonstrations in perception.**

MP, USN, 1951. 25 min, sd, b&w.  
Order no. MN 7361.

Presents some of the demonstrations in use at Princeton University for research in perception.

Borrow from USN or USN-BuMed. Buy from UWF. Cleared for TV. LC card FIE 53-615.

**Dengue and yellow fever control series**

*Aedes aegypti* control  
It's up to you

**Dental activities, Walter Reed Army Medical Center.**

MP, USA, 1953. 18 min, sd, color.  
Order no. PMF 5229.

Gives an overview of the dental activities at Walter Reed Army Medical Center, including the dental services for hospital patients, research in the dental laboratory, and professional education in the Medical Service Graduate School.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 54-12.

**Dental amalgam: Failure caused by moisture contamination.**

MP, USNBS, 1948. 13 min, sd, color.

Demonstrates contamination with moisture, one of the common causes of amalgam failure, usually produced by mixing amalgam in the palm of the hand and by condensing amalgam in a wet field. Explains the chemical reactions in and the clinical results of such contamination. Describes a satisfactory technique for the prevention of contamination. For dental personnel.

Borrow and buy from USNBS. LC card FIE 54-352.

**Dental assistants, their effective utilization.**

MP, USPHS, 1952. 20 min, sd, color.

Shows how a dentist, through the use of trained assistants, can give better service to his patients and reduce his own fatigue.

Borrow from USPHS. LC card FIE 54-14.

**Dental first aid.**

MP, USN, 1952. 20 min, sd, color.  
Order no. MN 6723.

Shows a hospital corpsman, when a medical officer is not available, how to give simple dental first aid for simple tooth decay, inflamed pulp, root-end abscess, Vincent's infection, inflammation of the wisdom tooth area, and fractures of the jaw.

Borrow from USN or USN-BuMed. Buy from UWF. Cleared for TV. LC card FIE 54-3.

**Dental health.**

MP, USA, 1945. 24 min, sd, b&w.  
Order no. TF 8-2096.

Uses animation to identify and describe all 32 teeth; explains parts of each tooth; demonstrates proper cleaning methods; discusses tooth decay, gum diseases, pyorrhea, and care of dentures.

Borrow from USA, USAF or USAFIP. LC card FIE 53-40.

**Dental prosthetic laboratory techniques series**

Articulation of teeth  
Base plates and bite rims  
Deflasking the cured denture  
Finishing and polishing  
Flasking  
Flasking of partial dentures  
Full denture reconstruction  
Model making  
Mounting on articulators  
Packing and processing dentures  
Rebasing and simple repairs  
Waxing dentures

**Dentistry series**

Anterior acrylic bridgework:  
Laboratory procedures  
Anterior acrylic bridgework:  
Operative procedures  
Anterior acrylic bridgework:  
Variations

**Dento-alveolar surgery series**

Alveolectomy after multiple extraction of teeth  
Alveolectomy and multiple pathology  
Alveolectomy in extraction of isolated teeth



Excision of chronic periapical infections  
Excision of gingival hypertrophy  
Excision of mandibular tori  
Removal of an impacted mandibular third molar by controlled sectioning

**Denture resin.**

MP, USNBS, 1949. 18 min, sd, color.

Shows the effect of impurities, pressure, temperature, rate of curing, duration of curing, mold surfaces, and water content on the dimensional accuracy and stability of dentures made from acrylic resins. Demonstrates denture-processing techniques. For dental personnel.

Borrow and buy from USNBS. LC card FiE 54-351.

**Depot organization and operations.**

MP, USA, 1950. 11 min, sd, b&w. Order no. TF 10-1611.

Explains the functions of U.S. Army depots, the organization of a typical depot, and the routing of a requisition for supplies through depot offices.

Borrow from USA. Cleared for TV. LC card FiE 55-151.

**Derivation of Pascal's law, part 1.**

MP, USN, 1943. 16 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-a.

Stresses the importance of hydraulic power aboard ship; demonstrates that oil is lighter than water; explains density, pressure, and force and how to determine each in a given amount of fluid.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1041.

**Derivation of Pascal's law, part 2.**

MP, USN, 1943. 18 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-b.

Demonstrates that liquids transfer force equally to all parts of a container; explains operation of

several types of pressure gauges; reviews Pascal's law.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1042.

**Descriptive geometry: Finding the line of intersection of two solids.**

MP, USN, 1947. 22 min, sd, b&w. Order no. MN 5344-a.

Methods of determining intersecting lines of a cylinder and a cone by passing planes through the objects on an orthographic drawing.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1326.

**The desert people.**

MP, USBIA, 1941. 25 min, sd, color.

How the Papago Indians in southern Arizona live on the desert, make use of all natural resources, and even farm and raise cattle.

Buy from USBIA. LC card FiE 52-802.

**Design for growing.**

MP, USIA, 1954. 33 min, sd, color.

Shows individual and group activities in the Cleveland public schools. Stresses the development of creative potentials of each child through the medium of the arts integrated with other features of the school curriculum. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 54-249.

**Design for survival.**

MP, USA, 1953. 23 min, sd, b&w. Order no. MF 38-7951.

Discusses the availability and uses of critical raw materials, emphasizing the need to create and strengthen a positive attitude towards conservation among those concerned with the design, planning, manufacture, and purchase of military equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-477.



**Designing a pattern for a water-cooled motor block.**

MP, USOE, 1945. 15 min, sd, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 337. With instructor's manual.

How a patternmaker studies a drawing for a single-cylinder water-cooled motor block; visualizes the shape of the casting; plans the general shape of the pattern; checks on core support; and plans the core boxes.

Buy from UWF. LC card FIE 52-131.

**Designing a pattern for a water-cooled motor block.**

FS, USOE, 1945. 41 fr, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 337-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2592.

**Designing core boxes for a water-cooled motor block.**

MP, USOE, 1945. 12 min, sd, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 338. With instructor's manual.

How a patternmaker visualizes the water jacket, port cores, and the core in a mold; then designs the ram-up core and set-up core.

Buy from UWF. LC card FIE 52-132.

**Designing core boxes for a water-cooled motor block.**

FS, USOE, 1945. 30 fr, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 338-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2593.

**A destructive invader.**

MP, USDA, 1949. 13 min, sd, color or b&w.

Shows the value of the white pine forests of eastern Washington, Idaho, and western Montana, the effects of white pine blister rust

(a fungus disease) and the efforts being made in this region to control and eradicate the disease.

Borrow from USFS-BR. Buy from UWF. Cleared for TV. LC card FIE 52-454.

**Detection, radio.**

FS, USN, 1942. 33 fr, b&w. Order no. SN 651.

Describes how a radio wave is detected and isolated.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1871.

**Determination of types of C. diphtheriae.**

MP, USPHS, 1950. 11 min, sd, b&w. (Laboratory diagnosis of diphtheria series, no. 2) Order no. 4-088.2. With utilization guide.

Shows procedures for determining cultural types of *Corynebacterium diphtheriae*, hemolysin and fermentation tests, and observation of colony forms.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2246.

**Determination of types of C. diphtheriae.**

FS, USPHS, 1951. 54 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. (Laboratory diagnosis of diphtheria series, no. 2) Order no. 5-176.

Covers same material as in motion picture with the same title Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-971.

**Developing cooperation.**

MP, USN, 1945. 14 min, sd, b&w. (Supervision series) Order no. MN 3425-c.

Discusses the importance of cooperation of workers on any job; and uses examples in industry to illustrate good and poor methods of developing cooperation.

Buy from UWF. LC card FIE 52-1167.

**Developing the negative.**

MP, USN, 1948. 16 min, sd, b&w. (Fundamentals of photography series) Order no. MN 5386.



Shows chemistry and procedure in developing still camera film, and explains composition of the developing solution.

Buy from UWF. LC card FIE 52-1353.

**Diabetic coma.**

FS, USPHS, 1950. 33 fr, color with disc: 16 in, 33 1/3 rpm, 5 min. (Taking care of diabetes series, no. 9) Order no. 5-149.

Explains the reasons for and the symptoms of diabetic coma, and the methods of keeping diabetes under control in order to avoid diabetic coma.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-957.

**Diagnosis of bee diseases in the apiary.**

FS, USDA, 1942. 58 fr, b&w. Order no. 171. With lecture notes.

Shows symptoms of various diseases of bees and explains methods of control.

Buy from PhotoLab. LC card FIE 52-2838.

**Diagnosis of early syphilis.**

MP, USPHS, 1943. 15 min, sd, color. (Syphilis, no. 1)

Shows typical primary sores on penis, labia, lips, and fingers; methods of making glass slide impressions from chancres; darkfield examination; and aspiration of fluid. Emphasizes importance of darkfield examinations and blood tests and of early treatment of syphilis.

Borrow from USPHS. LC card FIE 53-538.

**Diagnosis of enterobiasis.**

FS, USPHS, 1950. 40 fr, b&w. Order no. 5-164.

Discusses the features of the life cycle of the pinworm, its migration habits, and the areas of its activity; mentions various methods of diagnosing enterobiasis through recovery of eggs and explains the disadvantages of these methods; and describes the cellulose tape method and its advantages.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-965.

**Diagnosis of latent syphilis.**

MP, USPHS, 1943. 15 min, sd, color. (Syphilis, no. 2)

Shows skin lesions, erosion of septum and roof of mouth, and X-rays of bone involvement in late syphilis. Explains that examination should include spinal tap with accompanying cell count, globulin, and colloidal reactions, serological tests, fluoroscopic examination, and testing of the reflexes. Stresses dangers of latent syphilis and importance of routine blood serological tests.

Borrow from USPHS. LC card FIE 53-539.

**The diagnosis of peripheral nerve injuries.**

MP, USA, 1949. 16 min, sd, color. Order no. PMF 5118.

Presents twelve cases of peripheral nerve injuries, and explains the more significant clinical findings. For medical personnel.

Borrow from USAFIP. LC card FIE 53-36.

**Diagnosis of primary syphilis.**

FS, USPHS, 1949. 71 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. 5-087.

Discusses some common errors in the diagnosis of syphilis, the location of lesions, differences between syphilitic lesions and lesions caused by other diseases, and the importance of dark-field examinations.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-924.

**The diagnosis is surgical lesions of the alimentary tract. Part 1: The primary examination.**

MP, USA, 1951. 20 min, sd, b&w. Order no. PMF 5177-a. Presents a patient with symptoms referable to the alimentary tract. Shows the history taking, physical examination and laboratory procedures being performed by a medical officer. Gives a tentative diagnosis of malignant disease of



the sigmoid colon; and also shows a sigmoidoscopic examination and a chemical test for occult blood in stools. For medical personnel. Borrow from USAFIP. LC card FiE 53-21.

The diagnosis of surgical lesions of the alimentary tract. part 2: Special techniques and apparatus. MP, USA, 1951. 21 min, sd, b&w. Order no. PMF 5177-b. Demonstrates the utilization of such diagnostic procedures as fluoroscopy, roentgenography, cytologic study, and biopsy. Illustrates a case of achalasia of the esophagus, and a case of carcinoma of the stomach. Borrow from USAFIP. LC card FiE 54-61.

Diaphragm instruments. FS, USN, 1943. 59 fr, b&w. with disc: 16 in, 33 1/3 rpm, 21 min. (Instrument flight control series) Order no. SN 1059-a. Covers speed and altitude instruments--air speed meter, vertical speed indicator, and sensitive altimeter; and power control instruments--manifold pressure gage and tachometer. Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1886.

Diary of a sergeant. MP, USA, 1945. 22 min, sd, b&w. Order no. MF 1129. Traces the treatment of an amputee in an army hospital and his rehabilitation, including his skillful manipulation of artificial arms and hands. Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 52-1694.

Diesel engine governors series. Marquette governor, nos. 1-4  
Basic hydraulic governor  
Speed drop  
BMEP  
Powerhead

The Diesel engine. MP, USN, 1942. 29 min, sd, b&w. Order no. MN 42-a.

Shows how ignition may be achieved by compression; describes basic Diesel engine types; discusses forms of air headers and fuel injectors. Introductory survey film.

Buy from UWF. LC card FiE 52-1067.

Diesel engine fuel systems. MP, USN, 1942. 40 min, sd, b&w. Order no. 46-a. Shows the basic structure of Diesel fuel systems, parts and operation of injectors and fuel pumps, and Bosch, General Motors, and Excello equipment. Buy from UWF. LC card FiE 52-1068.

Diesel engine governors. Part 1: Woodward governors. MP, USN, 1942. 14 min, sd, b&w. Order no. MN 44-a. Shows the operation of Diesel engine governors and explains the operation of overspeed trip, and regulating governors. Buy from UWF. LC card FiE 52-1014.

Diesel engine governors. Part 2: GM series 71, limiting speed mechanical governors. MP, USN, 1943. 12 min, sd, b&w. Order no. MN 44-b. Discusses three main assemblies of the governor and their functions. Reviews the operation of the manual fuel control to explain the action of the governor through low, intermediate, and high speed ranges. Buy from UWF. LC card FiE 52-1023.

The Diesel engine: Scavenging and supercharging Diesel engines. MP, USN, 1943. 15 min, sd, b&w. Order no. MN 42-b. Shows operation of two-stroke cycle, single and double acting engines, and opposed piston engines. Discusses method of scavenging and supercharging air. Buy from UWF. LC card FiE 52-1058.



**Diesel lubrication and cooling systems.**

MP, USN, 1942. 10 min, sd, b&w.  
Order no. MN 45-a.

Parts of Diesel lubricating and cooling systems and how they work in relation to each other.

Buy from UWF. LC card FIE 52-1063.

**Diesel lubrication and cooling systems: Lubrication of the GM-71 series engines.**

MP, USN, 1943. 12 min, sd, b&w.  
Order no. 45-b.

Shows by the use of animation, the course of the oil through the engine; describes how it lubricates each component part; and explains the working principle of the ventilation system.

Buy from UWF. LC card FIE 52-1071.

**Diesel, the modern power.**

MP, USBM, 1950. 21 min, sd, b&w. Order no. 186.

Demonstrates the principles, construction, and operation of Diesel engines; contrasts the four-stroke and two-cycle Diesel engines; explains the applications of Diesel power in industry.

Borrow from USBM. Cleared for TV. LC card FIE 52-621.

**The difficult ones. Part 1: Psychiatric problems met by the contact representative.**

FS, USVA, 1946. 45 fr. b&w.  
Reviews through the use of cartoons and captions some of the psychiatric behavior patterns likely to be exhibited by veterans in interviews with the VA contact representative.

Borrow from USVA. LC card FIE 54-735.

**The difficult ones. Part 2: Their effect on the contact representatives.**

FS, USVA, 1946. 36 fr. b&w.  
Explains through the use of cartoons and captions some of the reactions of VA contact representatives to neuropsychiatric veterans whom they are in-

terviewing, and urges such representatives to be objective, factual, and helpful.

Borrow from USVA. LC card FIE 54-736.

**The difficult ones. Part 3: Getting help for the veterans with emotional problems.**

FS, USVA, 1946. 41 fr, b&w. Suggests through the use of cartoons and captions ways in which VA contact representatives should conduct interviews with veterans having emotional problems.

Borrow from USVA. LC card FIE 54-737.

**Dimpling and countersinking.**

MP, USOE, 1943. 21 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 4) Order no. OE 139. With instructor's manual.

How dimpling and countersinking prepare metal for flush riveting; how to operate a dimpling machine; and countersink work for flush rivets.

Buy from UWF. LC card FIE 52-28.

**Dimpling and countersinking..**

FS, USOE, 1943. 57 fr, b&w. (Aircraft work series. Assembling and riveting, no. 4) Order no. OE 139-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2519.

**The diode: Principles and applications.**

MP, USOE, 1945. 17 min, sd, b&w. (Engineering series. Electronics, no. 2) Order no. OE 176. With instructor's manual.

Principles of electron flow across a gap; basic features of the diode tube; control of electron flow in the tube; photoelectric cells; X-ray tubes; and the diode as a rectifier.

Buy from UWF. LC card FIE 52-190.



**The diode: Principles and applications.**

FS, USOE, 1945. 58 fr, b&w. (Engineering series. Electronics, no. 2) Order no. OE 176-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2670.

**Direct current controllers.**

MP, USOE, 1945. 15 min, sd, b&w. (Electrical work series. Motor control, no. 1) Order no. OE 388. With instructor's manual. Shows shunt motors and direct current controllers in operation; and by animation, a direct current faceplate controller connected to a shunt motor.

Buy from UWF. LC card FIE 52-220.

**Direct current controllers.**

FS, USOE, 1945. 27 fr. b&w. (Electrical work series. Motor control, no. 1) Order no. OE 388-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2658.

**Direction, orientation, and location with compass.**

MP, USA, 1953. 33 min, sd, b&w. (Basic map reading series no. 3) Order no. TF 5-1791.

Gives detailed instructions on how to travel cross-country with the aid of a map and a compass. Explains the difference between true and magnetic north, and how the compass is used to orient the map, locate one's position, and locate distant objects.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-481.

**Direction, orientation, and location without a compass.**

MP, USA, 1953. 21 min, sd, b&w. (Basic map reading series, no. 4) Order no. TF 5-1790.

Explains how to identify map symbols; determine position by ground features and distant objects; compute distances and lo-

cate objects on a map; understand the use of horizontal and vertical lines; and determine a course by sun and stars.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-164.

**Directional valves.**

FS, USN, 1945. 96 fr, b&w with disc: 16 in, 33 1/3 rpm, 18 min. (Hydraulic valves series) Order no. SN 1809-d.

Presents an elementary explanation of the purpose, construction, operation, and use of directional valves. Differentiates between the various types of directional valves; discusses common casualties, causes and remedies, and other types of valves encountered in hydraulic systems.

Borrow from USCAA film libraries. LC card FIE 54-772.

**The directors M9 and M10. Part 3: Preparation.**

MP, USA, 1951, 19 min, sd, b&w. Order no. TF 44-1647.

Illustrates the preparatory stages necessary to make the 90mm gun battery antiaircraft fire effective.

Borrow from USA. Cleared for TV. LC card FIE 55-124.

**Disassembling the engine.**

MP, USOE, 1945. 13 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 268. With instructor's manual.

How to remove the oil pump, valve tappet, and gear case cover assemblies; separate crankcase; remove crankshaft assembly and camshaft; and disassemble crankshaft and gear case cover assemblies.

Buy from UWF. LC card FIE 52-151.

**Disassembling the engine.**

FS, USOE, 1945. 38 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 268-fs.

Supplements motion picture with the same title.



Buy from UWF. LC card FIE 52-2610.

**Disassembly.**

MP, USN, 1945. 30 min, sd, b&w. (General Motors 16-278A Diesel engine series) Order no. MN 3707-a.

How to inspect blower rotors and pistons; remove head and scrape wear ridge; remove connecting rod bearing; and pull one piston and one liner in piston assembly.

Buy from UWF. LC card FIE 52-1140.

**Disassembly of the 8-268A engine.**

MP, USN, 1942. 27 min, sd, b&w. (Progressive maintenance Diesel propulsion engine series) Order no. MN 209-a.

Demonstrates how to remove air lines, manifold, rocker arm assembly, piston, lever, injector, and cylinder head; stresses precautions to be observed.

Buy from UWF. LC card FIE 52-1049.

**Disassembly, part 1.**

MP, USN, 1944. 16 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series) Order no. MN 2364-a.

Demonstrates methods of inspection for all possible parts with methods of removal for all lines and parts in a complete breakdown of the engine.

Buy from UWF. LC card FIE 52-1221.

**Disassembly, part 2.**

MP, USN, 1944. 17 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series) Order no. MN 2364-b.

Step-by-step demonstration of tools used in disassembly of engine for either overhaul or maintenance, concluding with a review of the important steps of disassembly.

Buy from UWF. LC card FIE 52-1222.

**Discipline: Giving orders.**

MP, USN, 1943. 15 min, sd, b&w. Order no. MN 2088-a.

Explains how to give orders and maintain office discipline; and contrasts the results of gaining workers' confidence with those of installing fear in employees.

Buy from UWF. LC card FIE 52-1032.

**Discipline: Reprimanding.**

MP, USN, 1943. 10 min, sd, b&w. Order no. MN 2088-b.

Shows examples of proper and improper reprimanding of employees by supervisors and how the efficiency and production of an office can be increased or decreased depending upon how a situation is handled.

Buy from UWF. LC card FIE 52-1033.

**Discussion technique.**

MP, US Defense, 1950. 29 min, sd, b&w. Order no. AFIF 1.

Shows how to conduct a discussion by forum, symposium, debate, panel, conference, and committee techniques; and how to stimulate independent thinking and free interchange of ideas among enlisted personnel.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1396.

**Disease and personal hygiene.**

MP, USA, 1948. 17 min, sd, b&w. (The stowaway series, no. 1) Order no. TF 8-1501.

Shows ways in which the spread of disease is caused by careless personal hygiene of food handlers, and presents sanitary precautions and remedies.

Borrow from USA, USAF or USAFIP. Buy from UWF. LC card FIE 52-1520.

**Diseases of cabbage and related crops.**

FS, USDA, 1936. 53 fr, b&w. Order no. 406. With lecture notes. Shows causes and effects of diseases that injure cabbage and related crops; explains methods of controlling these diseases.

Buy from PhotoLab. LC card FIE 52-2931.



**Diseases of cereals.**

FS, USDA, 1949. 81 double fr, color. Order no. C-4. With lecture notes.

Shows some of the common diseases of cereals, their symptoms and effects upon plants.

Buy from PhotoLab. LC card FIE 52-2858.

**Diseases of fruits**

FS, USDA, 1949. 53 double fr, color. Order no. C-5. With lecture notes.

Shows some of the common diseases of fruits, their symptoms and effects.

Buy from PhotoLab. LC card FIE 52-2856.

**Diseases of the mouth.**

FS, USA, 1945. 37 fr, color. Order no. FS 8-100.

Shows clinical manifestations of 20 diseases of the mouth, including Vincent's infection, herpes labialis, aphthous ulcer, herpetic stomatitis, etc. For medical personnel.

Borrow from USAFIP. LC card FIE 53-802.

**Diseases of vegetables.**

FS, USDA, 1949. 103 double fr, color. Order no. C-3. With lecture notes.

Shows some of the common diseases of vegetables, their symptoms and effects.

Buy from PhotoLab. LC card FIE 52-2855.

**Disentery.**

MP, USHIAA, 1947. 7 min, sd, color. Portuguese version of motion picture with title, Prevent dysentery.

Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from USHIAA. Cleared for TV. LC card FIE 52-513.

**Disentery.**

MP, USHIAA, 1947. 7 min, sd, color. Spanish version of motion

picture with title, Prevent dysentery.

Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from USHIAA. Cleared for TV. LC card FIE 52-512.

**Disinfection of clinical thermometers. Part 1: Oral thermometers.**

FS, USPHS, 1952. 67 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. Order no. F 119.

Demonstrates procedures to be followed in cleaning and disinfecting oral thermometers.

Borrow from USPHS - CDC. Buy from UWF. LC card FIE 53-860.

**Disorders of the extra-pyramidal system and the posterior columns.**

MP, USPHS, 1938. 20 min, si, b&w. (Introduction to clinical neurology series, no. 2)

Presents cases of Parkinsonism, chronic epidemic encephalitis, Huntington's chorea, Sydenham's chorea, congenital athetosis, choreoathetosis, striate rigidity, tabic ataxia, and tabes dorsalis. For medical personnel.

Buy from PCR. LC card FIE 54-93.

**Disorientation crashes.**

MP, USN, 1946. 5 min, sd, b&w. (Flight safety series) Order no. MN 4353-c.

Cartoon stressing the importance of pilots using and trusting their instruments rather than flying by "feel."

Borrow from USCAA film libraries. LC card FIE 54 - 303.

**Distilling plants series. Low pressure type.**

Griscom-Russell: How it works, part 1

Griscom-Russell: How it works, part 2

**Ditching without hedging.**

MP, USAF, 1943. 22 min, sd, b&w. Order no. TF 1-3634.



Shows how a plane may be ditched in water in such a manner that the pilot has time to escape.  
Borrow from USCAA film libraries. LC card FIE 53-391.

**Divide and conquer.**  
MP, USA, 1943. 60 min, sd, b&w. (Why we fight series) Order no. OF 3.

Documentary film record of the German attack upon and conquest of Belgium, Holland, and France in 1940.

Buy from UWF. LC card FIE 52-1711.

**Dividends for the future.**

MP, USAF, 1947. 18 min, sd, b&w. Order no. SFP 231.

Shows civilian by-products of the U.S. Air Force research and development program, including electric blankets, fabrics, precision cameras, etc.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1442.

**Dividers, parallel rulers, protractors.**

FS, USCG, 1944. 33 fr, b&w. (Piloting series) Order no. SCG 136-h.

Explains the physical characteristics and uses of dividers, a parallel ruler, and a protractor.  
Buy from UWF. LC card FIE 52-836.

**The diving dress.**

MP, USN, 1944. 48 min, st, b&w. (Deep sea diving series) Order no. MN 105-b.

Shows characteristics of parts of the diving dress, preparation and inspection of suit for diving, duties of tenders, and how to avoid injury from underwater pressure.

Buy from UWF. LC card FIE 52-1038.

**Do it with E's.**

MP, USDA, 1951. 23 min, sd, color. With in-service guide.

Demonstrates three E's of safety -- education, engineering, and enforcement -- through illustrative

examples showing the work of forest rangers in the prevention of accidents.

Borrow from USFS. Buy from UWF. LC card FIE 52-371.

**Do unto animals.**

MP, USDA, 1939. 22 min, sd, b&w. Shows shipping methods sponsored by the U.S. Dept. of Agriculture and the National Livestock Loss Prevention Board to reduce injuries to animals during shipment to market.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-476.

**Do you know?**

FS, USDA, 1945. 28 fr, b&w. Order no. 664. With lecture notes. Shows through a series of quiz pictures how to prevent accidents in the farm home and on the farm.  
Buy from PhotoLab. LC card FIE 52-2897.

**Do you know what the Army Air Force is?**

MP, USAF, 1947. 8 min, sd, b&w. Order no. SFP 115.

A musical short, featuring the Air Force male chorus, reviewing the achievements of the Army Air Forces in World War II, and emphasizing the concept that the Air Force belongs to all the people of the United States.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1432.

**Docking with keel and bilge blocks.**

MP, USN, 1944. 15 min, sd, color. (Shipbuilding skills series) Order no. MN 2352-b.

Explains by animation and demonstrates the procedures for docking from flooding of the dock to final securing.

Buy from UWF. LC card FIE 52-1197.

**The doctor.**

MP, USOIAA, 1946. 14 min, sd, b&w. (Ohio town series).

Shows a small town Ohio doctor and his daily activities -- examin-



ing school children, visiting patients, relaxing with his family.  
Buy from UWF. LC card F1E 52-705.

**Don't be a sucker.**  
MP, USA, 1947. 24 min, sd, b&w.  
Order no. EF 6.

A dramatized story portraying the use by the Nazis of racial and religious prejudices in order to turn minority groups against each other.

Borrow from USA. Buy from UWF. LC card F1E 52-1669.

**Don't blame lightning.**  
MP, USDA, 1950. 2 min, sd, b&w.  
(Smokey Bear forest fire prevention, series 1--shorts--no. 3).

Smokey Bear explains the rules of safety with fire in the woods.  
Borrow from USFS. Buy from UWF. Cleared for TV. LC card F1E 52-608.

**Don't let it happen.**  
MP, USDA, 1950. 11 min, sd, b&w. Released in 1948 with the title, Then it happened.

A documentary record of the Maine forest fire in 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card F1E 52-614.

**Doping technique.**  
MP, USN, 1942. 10 min, sd, b&w. Order no. MN 66.

Explains the necessity for dope in airplane fabric covering and demonstrates the techniques of brushing, spraying, sanding, hand rubbing, and waxing.

Borrow from USCAA film libraries. LC card F1E 53-260.

**Double carrick bend.**  
MP, USCG, 1943. 3 min, sd, b&w.  
Order no. MCG 303.

Explains that the double carrick bend is commonly used in pinning

two hawsers, and demonstrates how to tie the knot correctly.  
Buy from UWF. LC card F1E 52-876.

**Double carrick bend.**  
FS, USCG, 1943. 23 fr, b&w.  
Order no. SCG 303.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-821.

**Double duty American.**  
MP, USA, \*1953. 27 min, sd, color. Order no. MF 45-7922.  
Explains to inductees the meaning of the 8 year service obligation under Public law 51 and the ways open to them as obligated reservists. Shows advantages offered to members of the Reserves.

Borrow from USA. Buy from UWF. Cleared for TV. LC card F1E 53-484.

**Double ram vertical surface broaching.**

MP, USOE, 1945. 30 min, sd, b&w.  
(Machine shop work series. Operations on a broaching machine, no. 3) Order no. OE 238. With instructor's manual.

How to assemble broaching inserts; mount and adjust the work fixtures; set trip dogs for the ram stroke; measure the workpiece after trial broaching; and surface-broach at a production rate.

Buy from UWF. LC card F1E 51-580.

**Double ram vertical surface broaching.**

FS, USOE, 1945. 34 fr, b&w. (Machine shop work series. Operations on a broaching machine, no. 3) Order no. OE 238-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-89.

**Double your money from traps.**  
MP, USBIA, 1949. 20 min, sd, color.

Shows when to trap and why to trap in proper season, and how to skin



a muskrat and a beaver; and explains the role trappers play in the fur industry.

Buy from USBIA. LC card FIE 52-792.

**Down where North begins.**  
MP, USOIAA, 1942. 21 min, sd, color.

Gives an overview of Ecuador--geographical regions, industries and handicrafts, city and country life, people, scenery, and native animals.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-706.

**Drafts and slings.**

MP, USA, 1943. 16 min, sd, b&w. (Military stevedoring series, no. 4) Order no. TF 55-1117.

Shows how to use sling or cargo net; pallet sling, and pie plate in handling cargo from docks and warehouses to holds.

Borrow from USA. Buy from UWF. LC card FIE 52-1586.

**Drainage.**

MP, USA, 1943. 11 min, sd, b&w. (Military roads series, no. 2) Order no. TF 5-1194.

Demonstrates methods of constructing ditches and open and covered culverts; stresses the importance of drainage.

Borrow from USA. Buy from UWF. LC card FIE 52-1498.

**The drama of steel.**

MP, USBM, 1946. 34 min, sd, b&w. Order no. 218.

Shows the uses of steel in homes, industry, and national defense; portrays early methods of making steel and, in contrast, scenes of modern open-pit mining of iron ore and its conversion into steel in modern furnaces and mills; reviews the industrial uses of steel.

Borrow from USBM. Cleared for TV. LC card FIE 52-646.

**Drawing, stretching, and stamping.**

MP, USBM, 1944. 22 min, sd, b&w. (How to form aluminum series) Order no. 207.

Explains the properties of cold-working and heat-treatable aluminum alloys; the uses of single-action and double-action draw presses; operation of a "stretch press" and drop hammer; the differences between stamping, embossing, and coining; the functions of closed and rubber-faced dies; and the making of merchandise tokens.

Borrow from USBM. Cleared for TV. LC card FIE 52-636.

**Dress rehearsal.**

MP, USA, 1952. 13 min, sd, b&w. Order no. MF 20-7924.

Shows the final period of U.S. Army basic training, the "attack course" designed as a dress rehearsal of battle conditions.

Borrow from USA. Cleared for TV. LC card FIE 53-238.

**Dressings and bandages, part 1.**

FS, USN, 1942. 52 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. (First aid series) Order no. SN 221-a.

Shows the kinds of materials used in bandaging wounds and how to apply bandages.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1851.

**Dressings and bandages, part 2.**

FS, USN, 1942. 42 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. (First aid series) Order no. SN 221-b.

How to apply a triangular head bandage; a cravat bandage for scalp, forehead, eye, arm, or forearm; roller gauze bandages for fingers, arm, or leg; and a four-tailed bandage for chin, jaw, nose, head, or crotch.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1852.

**The drill press.**

MP, USOE, 1945. 10 min, sd, b&w. (Machine shop work series. Basic machines) Order no. OE 71. With instructor's manual.



Functions, characteristics, and basic operations of the drill press.

Buy from UWF. LC card FIE 51-569.

**The drill press.**

FS, USOE, 1945. 32 fr, b&w. (Machine shop work series. Basic machines) Order no. OE 71-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-77.

**The drilled well: Sanitary aspects.**

FS, USPHS, 1954. 87 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. F 46.

Shows suitable sanitary methods for constructing a drilled well, importance of proper site location and well construction, use of the drilling rig, installation and purpose of steel casing, and defects of drilled wells of improper construction. For sanitarians and sanitary engineers.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-738.

**Drilling a hole in a pin.**

MP, USOE, 1942. 10 min, sd, b&w. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1) Order no. OE 46. With instructor's manual. How to lay out two holes at each end of a short 1 1/4 inch diameter pin; and drill the holes using the sensitive drill press.

Buy from UWF. LC card FIE 51-550.

**Drilling a hole in a pin.**

FS, USOE, 1943. 35 fr, b&w. (Machine shop work series. Operations on the drill press. Sensitive drill, no. 1) Order no. OE 46-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-38.

**Drilling a well by the percussion method.**

MP, USPHS, 1952. 6 min, sd, color. Order no. M 46.

Explains the percussion well-drilling rig, the well-drilling tool, procedures in drilling the well, installation of casings, and use of a baller in removing sludge and dirty water.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-219.

**Drilling and tapping cast steel.**

MP, USOE, 1942. 19 min, sd, b&w. (Machine shop work series. Operations on the drill press. Radial drill, no. 1) Order no. OE 22. With instructor's manual. How to drill and tap blind holes in cast steel on a radial drill, using a jig with a loose drill bushing to locate the holes.

Buy from UWF. LC card FIE 51-527.

**Drilling and tapping cast steel.**

FS, USOE, 1943. 48 fr, b&w. (Machine shop work series. Operations on the drill press. Radial drill, no. 1) Order no. OE 22-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-59.

**Drilling, boring, and reaming work held in chuck.**

MP, USOE, 1941. 11 min, sd, b&w (Machine shop work series. Operations on the engine lathe, no. 4) Order no. OE 9. With instructor's manual.

How to drill a workpiece held in a lathe chuck; bore a tapered hole with the taper-turning attachment; check the accuracy of the hole; and ream a tapered hole to finish size.

Buy from UWF. LC card FIE 51-513.

**Drilling, boring, and reaming work held in chuck.**

FS, USOE, 1943. 47 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 4) Order no. OE 9-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-15.



**Drilling in metal, wood, and plastics.**

MP, USN, 1942. 23 min, sd, b&w. Order no. MN 142.

Points out the six basic steps in drilling, and demonstrates how to lay out wood and plastics with drill press, electric drill, and hand drills.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1016.

**Drilling, tapping, stub-boring, and reaming.**

MP, USOE, 1945. 22 min, sd, b&w. (Machine shop work series.

Operations on the horizontal boring mill, no. 6) Order no. OE 230. With instructor's manual.

How to drill and machine-tap a hole; use a core drill; use a stub-boring bar for rough- and finish-boring and counterboring; and use an adjustable reamer and a floating reamer.

Buy from UWF. LC card FIE 51-587.

**Drilling, tapping, stub-boring, and reaming.**

FS, USOE, 1945. 29 fr, b&w. (Machine shop work series. Op-

erations on the horizontal boring mill, no. 6) Order no. OE 230-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-94.

**Drilling to a layout and spotfacing cast iron.**

MP, USOE, 1942. 15 min, sd, b&w. (Machine shop work series. Op-

erations on the drill press. Radial drill, no. 2) Order no. OE 23. With instructor's manual.

How to set up a job on the table of a radial drill press; drill holes to a layout; and spotface the holes.

Buy from UWF. LC card FIE 51-526.

**Drilling to a layout and spotfacing cast iron.**

FS, USOE, 1943. 37 fr, b&w. (Machine shop work series. Op-

erations on the drill press. Ra-

dial drill, no. 2) Order no. OE 23-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-49.

**Drilling with portable drill motors.**

MP, USOE, 1943. 17 min, sd, b&w. (Aircraft work series. As-

sembling and riveting, no. 3) Order no. OE 138. With instructor's manual.

How to use a portable electric drill motor; select a drill; insert the drill in a chuck; check the drill for true-running; and install and use a special attachment for drilling.

Buy from UWF. LC card FIE 52-39.

**Drilling with portable drill motors.**

FS, USOE, 1943. 45 fr, b&w. (Aircraft work series. Assembling and riveting, no. 3) Order no. OE 138-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2549.

**Drinking water.**

MP, USN, 1945. 6 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-c.

Animated cartoon in which "Mac Gillicuddy" demonstrates the foolishness of wasting water and then drinking from a non-inspected source.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1170.

**Driving and bucking rivets.**

MP, USOE, 1943. 18 min, sd, b&w. (Aircraft work series. As-

sembling and riveting, no. 5) Order no. OE 140. With instructor's manual.

How to set up and adjust a rivet gun; drive and buck rivets; and how a riveter and a buckler work together as a team.

Buy from UWF. LC card FIE 52-21.



**Driving and bucking rivets.**

FS, USOE, 1943. 47 fr, b&w. (Air-craft work series. Assembling and riveting, no. 5) Order no. OE 140-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2541.

**Driving the semi-trailer.**

MP, USA, 1948. 19 min, sd, b&w. Order no. TF 55-1478.

Explains checking procedure for safety and protection of equipment, and shows how to back a trailer up to a platform for loading or unloading.

Borrow from USA. Buy from UWF. LC card FIE 52-1589.

**A drop in the bucket.**

MP, USPHS, 1952. 13 min, sd, color.

Dramatized story of how dentists, civic leaders, health officials, and people of a town agreed to add fluoride to their community water supply. Explains how the fluoride is added, the cost of fluoridation, and the benefits accruing to the community.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FIE 52-2175.

**Drop zone.**

MP, USA, 1954. 17 min, sd, b&w. Order no. TF 31-1854.

Explains the characteristics of and phases in a typical airborne operation of the U.S. Army.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-359.

**Drying ear corn with forced air.**

FS, USDA, 1952. 43 fr, single or double, b&w. Order no. 697. With lecture notes.

Explains the advantages of drying ear corn before storing, and particularly of using forced heated air. Shows methods of making a farm corn crib suitable for drying.

Buy from PhotoLab. LC card FIE 53-1033.

**Duck farming.**

MP, USDA, 1934. 15 min, si, b&w. Shows method of brooding, feeding, and marketing ducks on a large Long Island duck farm.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-368.

**The dug well: Sanitary aspects.**

FS, USPHS, 1954. 72 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. Order no. F 47.

Public health aspects of dug wells including principles relative to site selection, aspects of construction, types of pumps and their installation, disinfection and sampling of water.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-756.

**Duties of a dental technician.**

MP, USN, 1944. 22 min, sd, color. Order no. MN 2607.

Shows the duties of a dental technician in assisting a dental officer. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1088.

**Duties of a hospital corpsman.**

MP, USN, 1952. 16 min, sd, b&w. Order no. MN 6938.

Shows the importance of corpsmen both in peacetime and in combat; points out some of the varied activities in which a corpsman might specialize; presents the role of the Hospital Corps and its men as an important accomplishment of the Navy.

Borrow from USN-BuMed. LC card FIE 54-143.

**Dynamic physical reconditioning.**

MP, USA, 1948. 11 min, sd, b&w. Order no. PMF 5059.

Physical reconditioning in a military hospital. Shows physical and occupational therapy, and various methods of physical reconditioning, including gymnasium work, games, swimming, etc.

Borrow from USAFIP. LC card FIE 54-40.



**Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight.**

MP, USNACA, 1954. 15 min, st, b&w.

Shows tests in still air, conducted in the facility for flight testing hovering models at an NACA free-flight tunnel section, of an experimental model, vertically rising airplane, which will take off and land vertically like a helicopter, having four wings arranged in a cascade and four propellers with thrust axes essentially parallel to the fuselage axis and distributed along the span so that the wings are completely immersed in the slipstream. A record film for technical personnel, to be used with NACA Technical Note 3198: Dynamic stability and control characteristics of a cascade-wing vertically rising airplane model in take-offs, landings, and hovering flight.

Borrow from USNACA. LC card FIE 55-42.

**Dynamite.**

MP, USPHS, 1944. 12 min, sd, b&w. (Malaria control series) Order no. 4-029.1.

Shows the preliminary activities and the blasting which drained Ward's Brake, a large quagmire in the bottom lands of Arkansas, as part of a malaria control program.

Borrow from USPHS-CDC. LC card FIE 52-2277.

**ERP in action.**

MP, US Defense, 1950. 20 min, sd, b&w. Order no. AFSR 118.

Shows how ECA combats communistic influence in the countries receiving Marshall plan funds; discusses some of the projects undertaken.

Buy from UWF. Cleared for TV. LC card FIE 52-[41].

**The E-1 survival kit.**

MP, USAF, 1953. 44 min, sd, color. Order no. TF 1-4832.

Shows methods of survival through the proper use of the E-1

survival kit by a combat crew forced down over enemy territory.

Borrow from USAF. Cleared for TV. LC card FIE 55-115.

**The E-6B computer: Solution of wind triangles.**

FS, USAF, 1944. 57 fr, b&w. Order no. FS 1-423.

Describes the construction of the computer, states the rules for using the computer to solve vector triangles, and shows how to solve typical vector triangles with the aid of the computer.

Borrow from USCAA film libraries. LC card FIE 53-1006.

**E facil comer bem.**

MP, USOIAA, 1945. 9 min, sd, color. Portuguese version of motion picture with title, Planning for good eating.

Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.

Buy from USHIAA. Cleared for TV. LC card FIE 52-545.

**Early care of plastic surgical cases series**

Wounds of the face and jaw  
Wounds of the hand

**The earth.**

MP, USN, 1942. 17 min, sd, b&w. (Navigation series) Order no. MN 83-a.

Explains the arrangement and meaning of the poles, great circles, parallels, meridians, longitude, nautical mile, and departure. College level.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-973.

**Easier ways of logging.**

MP, USDA, 1952. 26 min, sd, color.

Demonstrates recommended logging practices with particular emphasis on methods for farmers and small woodland owners in the eastern United States. Explains the sources of information on logging.



Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-397.

**Easy ways to make a banged-up apple crop.**

FS, USDA, 1952. 33 double fr, b&w. Order no. 702. With lecture notes.

Shows incorrect and correct methods of handling apples from picking to marketing.

Buy from PhotoLab. LC card FIE 53-1037.

**Eating for good health.**

FS, USPHS, 1950. 46 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. (Taking care of diabetes series, no. 2) Order no. 5-142. With film guide.

Stresses the importance of diet in diabetes control and suggests ways of planning meals.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-950.

**The Economic and Social Council at work.**

MP, USA-CAD, 1952. 20 min, sd, b&w.

Explains the functions of the Economic and Social Council of the United Nations and shows the improvements that this organization has brought about in Haiti. Prepared for use in occupied areas.

Buy from UWF. LC card no. FIE 52-1956.

**Economy is everybody's business.**

MP, US Defense, 1950. 15 min, sd, b&w. Order no. AFIF 8.

Shows how the Federal Government functions as a management organization; the need for peacetime preparedness; and how to secure a balance between military and civilian requirements.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1398.

**Edition Tokyo.**

MP, USA, 1950. 9 min, sd, b&w. Order no. MF 7744.

How a Japanese free press, developed under U.S. Occupation forces, informs citizens of world-wide and local events to foster democratic public opinion. The story of a typical newspaper; the Yomiuri.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1630.

**Education for peace.**

MP, USA-CAD, 1951. 11 min, sd, b&w.

Explains how the American Friends Committee works in behalf of world peace and understanding through international seminars and work camps. Prepared for use in occupied areas. Buy from UWF. Cleared for TV. LC card FIE 52-1955.

**Effect of air flow on combustion in a high-speed compression-ignition engine.**

MP, USNACA, 1935. 15 min, sl, b&w. Order no. TF 4. With lecture notes.

Shows through high-speed pictures (2,200 photographs per second) forced air flow in the combustion chamber of a high-speed Diesel engine, and the effects on combustion of air movement in mixing air and fuel. A record film for technical personnel, to be used with NACA Report 588: "Fuel spray and flame formation in a compression-ignition engine employing air flow."

Borrow from USNACA. LC card FIE 54-194.

**Effect of controls.**

FS, USAF, 1942. 54 fr, b&w. Order no. FS 1-98.

Explains the functions and operation of basic controls in an airplane. Includes the stick, rudder pedals, proper control pressures, and the use of control in turning maneuvers.

Buy from UWF. LC card FIE 52-1915.

**Effective study methods.**

FS, USAF, 1942. 43 fr, b&w. Order no. FS 1-63.



Discusses proper study conditions--temperature, quiet, lighting, etc.; and study of techniques--note-taking, outlining, planning the method of study, use of references, relating theory to practical experience, and understanding relationships.

Buy from UWF. LC card FIE 52-1908.

**Effective utilization of manpower in the U.S. Army.**

MP, USA, 1952. 23 min, sd, b&w. Order no. MF 45-7926.

Discusses the U.S. Army program for the effective use of military and civilian manpower.

Borrow from USA. Cleared for TV. LC card FIE 55-186.

**Effects of atomic bomb explosions.**

MP, US Defense, 1952. 18 min, sd, b&w.

Explains the differing effects of the various types of detonations, the relative importance of blast effects, and the thermal and nuclear radiations in each type of explosion. Produced under the supervision of the Armed Forces Special Weapons Project.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2137.

**Effects of fuel injection nozzle design on combustion in a high-speed compression-ignition engine.**

MP, USNACA, 1935. 15 min, si, b&w. Order no. TF 6. With lecture notes.

Shows through high-speed motion pictures (2,200 photographs per second) the injection of fuel through various types of nozzles into the combustion chamber of a high-speed Diesel engine, the mixing of air and fuel, and the resultant combustion. A record film for technical personnel, to be used with NACA Report 561; "Effect of nozzle design on fuel spray and flame formation in a high-speed compression-ignition engine."

Borrow from USNACA. LC card FIE 54-195.

**Effects of the atomic bomb explosion.**

MP, USA, 1951. 22 min, sd, b&w. Order no. MF 7815.

Describes effects of various kinds of atomic explosions as determined at Nagasaki, Hiroshima, and the Pacific testing range, as well as theoretical effects of ground contact and underground explosions.

Borrow from USA or USAFIP. LC card FIE 54-37.

**The effects of the ionosphere on radio wave propagation.**

MP, USA, 1950. 29 min, sd, b&w. Order no. TF 11-1632.

Explains the characteristics of propagated radio waves at various frequencies, ground and sky waves, effect of the ionosphere on sky waves, and the effects of favorable and unfavorable atmospheric conditions.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1568.

**Eggs and miracidia of Schistosoma mansoni.**

MP, USPHS, 1947. 3 min, si, b&w. (Schistosomiasis mansoni study films). Order no. 4-067.

Photomicrographic scenes of Schistosoma mansoni eggs hatching in fresh water, and the miracidia searching for a suitable snail as the intermediate host.

Borrow from USPHS-CDC. LC card FIE 53-190.

**The 1820 Wright engine: Cleaning up.**

MP, USAF, 1942. 20 min, sd, b&w. Order no. TF 1-450.

Shows the disassembly of oil-pumps, carburetor adapter, priming lines, intake pipes, rocker arms, push-rod housing, valves, and cylinders; and the cleaning, proper handling, and stowing of these parts during overhaul.

Borrow from USCAA film libraries. LC card FIE 53-431.

**The 82d Airborne Division.**

MP, USA, 1948. 21 min, sd, b&w. (Pride of outfit series) Order no. MF 1426.







**Electrical work series. Electrical machinery, nos. 1-5**

Single-phase and polyphase circuits

Rotating magnetic fields

Squirrel-cage rotor principles

Split-phase motor principles

Repulsion motor principles

**Electrical work series. Motor control nos. 1-4**

Direct current controllers

A cross-the-line starters

Reduced voltage starters

Wound rotor controllers

**Electrical work series. Motor maintenance repair, nos. 1-6**

D.C. motor. Part 1: Mechanical overhaul

D.C. motor. Part 2: Rewinding

Split-phase motor: Rewinding

Three-phase motor. Part 1: Preparing to rewind

Three-phase motor. Part 2: Rewinding

Repulsion-induction motor: General overhaul

**Electrical work series. Wiring nos. 1-3**

Joining solid conductors

Soldering lugs and splicing stranded conductors

Roughing-in nonmetallic sheathed cable

Wire sizes and voltage-drop

Three-wire service entrance

Electrical circuit faults

Preparing old buildings for wiring

Wiring old buildings with armored cable

Porcelain protected surface wiring

Cable surface wiring

Installing surface metal raceway

Installing conduit

Power bending conduit

**Electricity and magnetism series, nos. 1-4.**

Elements of electricity

Ohm's law

Voltaic cell, dry cell, and storage battery

Charging storage batteries

**Electrocardiography.**

MP, USA, 1949. 10 min, sd, color.

Order no. PMF 5166.

Demonstrates the use of the cathode-ray oscilloscope to show the magnitude and direction of galvanometer deflections caused by changing relative positions within a conducting fluid, and gives mathematical explanations relating human electrocardiograms to Einthoven's hypothesis.

Borrow from USAFIP. LC card FIE 54-57.

**An electrodiagnostic procedure.**

MP, USA, 1947. 19 min, sd, color.

Order no. PMF 5066.

Demonstrates the use of the Golseth-Fissel constant current stimulator as one method of determining the neurological state of muscle in peripheral nerve injuries and other neuropathologies. For medical personnel.

Borrow from USAFIP. LC card FIE 53-70.

**Electromyographic procedure.**

MP, USA, 1947. 7 min, sd, color.

Order no. PMF 5067.

Demonstrates a method of electromyographic testing. Shows the recording equipment, insertion of a needle electrode into atrophic muscles, and samples of the recordings. For medical personnel.

Borrow from USAFIP. LC card FIE 53-69.

**The electron, an introduction.**

MP, USOE, 1944. 16 min, sd, b&amp;w.

(Engineering series. Electronics, no. 1) Order no. OE 175. With instructor's manual.

Nature of electrons; electron flow in solid conductors; electromotive force; types and control of electron flow; electron flow and magnetic fields; and induced electron flow.

Buy from UWF. LC card FIE 52-168.

**The electron, an introduction.**

FS, USOE, 1944. 40 fr, b&amp;w.

(Engineering series. Electronics, no. 1) Order no. OE 175-1s.



Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2648.

**Electronics series.**

See Engineering series. Electronics.

**Elementary dead reckoning. Part 1: Earth's surface.**

FS, USAF, 1942. 54 fr, b&w (Aerial navigation series) Order no. FS 1-249.

Explains the concept of longitude and latitude and how they are used to locate the position of points on the earth's surface. Defines other terms such as statute mile, nautical mile, rhumb line, etc., used in aerial navigation.

Borrow from USCAA film libraries. LC card F1E 53-1020.

**Elementary electricity series.**

See Radio technician training series. Elementary electricity.

**Elementary hydraulics series.**

Application of Pascal's law, part 1  
Application of Pascal's law, part 2  
Characteristics of hydraulic fluids

Derivation of Pascal's law, part 1  
Derivation of Pascal's law, part 2  
Liquid in motion

Simple hydraulic systems

**Elementary optics in photography.**

MP, USN, 1948. 19 min, sd, b&w. (Fundamentals of photography series) Order no. MN 5384.

Principles of lighting effects; how light is reflected and refracted by the curvature and thickness of glass.

Buy from UWF. LC card F1E 52-1373.

**Elementary tactics of lifesaving.**

MP, USN, 1943. 22 min, sd, b&w. Order no. MN 1319-b.

Shows how to gain control of the victim by the surface and the underwater approaches.

Borrow from USCAA film libraries. LC card F1E 54-276.

**Elements of electricity.**

MP, USA, 1942. 15 min, sd, b&w. (Electricity and magnetism series, no. 1) Order no. TF 11-622.

Explains the breakdown of a molecule into atoms, and the relation of protons and electrons to electricity.

Borrow from USA or USAF. Buy from UWF. LC card F1E 52-1560.

**Elements of electricity as applied to ignition systems.**

MP, USAF, 1941. 28 min, sd, b&w. (Aircraft engines series) Order no. TF 1-136.

Explains the application of basic principles of electricity to the ignition system of an aircraft engine. Covers electric current, voltage, polarity of magnets, magnetic fields, and electromagnetic induction.

Borrow from USCAA film libraries. Buy from UWF. LC card F1E 52-1469.

**Elements of hardening.**

MP, USOE, 1945. 15 min, sd, b&w (Engineering series. Heat treatment of steel, no. 1) Order no. OE 170. With instructor's manual. How steel is quench-hardened; how the structure and hardness of steels with different carbon content change at progressive quench-hardening stages; how the lower and upper critical temperatures of steel are determined; and how an iron-carbon diagram is constructed and what it shows. Buy from UWF. LC card F1E 52-176.

**Elements of hardening.**

FS, USOE, 1945. 40 fr, b&w. (Engineering series. Heat treatment of steel, no. 1) Order no. OE 170-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2638.

**Elements of surface hardening.**

MP, USOE, 1945. 14 min, sd, b&w. (Engineering series. Heat treatment of steel, no. 3) Order no.



OE 172. With instructor's manual. Shows how steel is pack and gas carburized; how a thin, hard case is obtained by cyaniding; how nitriding is used to obtain a very hard case; and how steel is flame and induction hardened.

Buy from UWF. LC card FIE 52-178.

Elements of surface hardening. FS, USOE, 1945. 36 fr, b&w. (Engineering series. Heat treatment of steel, no. 3) Order no. OE 172-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2640.

Elements of tempering, normalizing, and annealing.

MP, USOE, 1945. 15 min, sd, b&w. (Engineering series. Heat treatment of steel, no. 2) Order no. OE 171.

With instructor's manual. How steel is tempered; how the structure, toughness, and hardness of plain carbon steel change at progressive tempering stages; how steel is normalized and annealed, and the results of normalizing and annealing.

Buy from UWF. LC card FIE 52-177.

Elements of tempering, normalizing, and annealing.

FS, USOE, 1945. 31 fr, b&w. (Engineering series. Heat treatment of steel, no. 2) Order no. OE 171-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2639.

Elevation and windage.

MP, USA, 1943. 14 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 5) Order no. TF 7-1100.

Explains the principles of elevation and left and right windage, adjusting front and rear sights to normal deflections of elevation and windage, determining wind

velocity and elevation to obtain "bull's eyes."

Borrow from USA. Buy from UWF. LC card FIE 52-1510.

Elevation, distance, and grid.

MP, USA, 1953. 27 min, sd, b&w. (Basic map reading series no. 2) Order no. TF 5-1789.

Explains how to interpret contour lines as a measure of the height and character of slopes, how to measure distances from map and graphic scales, and how to interpret the characteristics of the military grid system.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-482.

The Elliott-Buchi turbocharger for Diesel engines: Disassembly.

MP, USN, 1944. 20 min, sd, b&w. Order no. MN 2365-a.

Demonstrates how to disassemble the turbocharger, and the tools to be used.

Buy from UWF. LC card FIE 52-1075.

The Elliott-Buchi turbocharger for Diesel engines: Maintenance.

MP, USN, 1944. 24 min, sd, b&w. Order no. MN 2365-c.

Shows the maintenance procedure for the turbocharger, including frequent and periodic checks.

Buy from UWF. LC card FIE 52-1077.

The Elliott-Buchi turbocharger for Diesel engines: Reassembly.

MP, USN, 1944. 25 min, sd, b&w. Order no. MN 2365-b.

Demonstrates how to reassemble the turbocharger.

Buy from UWF. LC card FIE 52-1076.

Embryology of the liver, gallbladder, and pancreas.

MP, USA, 1952. 17 min, sd, color. Order no. FG 8-3.

Explains in simple terms the embryology of the liver, gallbladder, and pancreas with particular reference to anomalies and variations of these organs most commonly discovered by the sur-



geon. Uses filmograph technique. Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-2052.

**Emergency action to save lives.** MP, USFCDA, 1952. 3 min, sd, b&w; short version, 1 min. Shows by animation, first aid measures for burns, shock, wounds, fractures, and suffocation. Prepared for television use. Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FIE 53-610.

**Emergency first aid.** FS, USFCDA, 1953. 53 fr, b&w. Order no. STF 11. Stresses the importance of a knowledge of first aid and shows various first aid techniques, particularly the application of a tourniquet and artificial respiration. Buy from SVE. LC card FIE 55-520.

**Emergency landing on land.** MP, USN, 1947. 6 min, sd, b&w. (Flight safety series) Order no. MN 4353-k. A cartoon treatment of the do's and don't's of emergency landings. Borrow from USCAA film libraries. LC card FIE 54-304.

**Emergency rescue equipment. Part 1: Life jackets and belts.** MP, USN, 1944. 20 min, sd, b&w. Order no. MN 2829-a. Demonstrates the checking, adjusting, and proper wearing of 4 types of naval life jackets and belts (kapok life jacket, kapok knapsack lifebelt, oral inflation lifebelt, and rubber vest). Buy from UWF. LC card FIE 52-1125.

**Emergency rescue equipment. Part 2: Floats and floater nets.** MP, USN, 1944. 12 min, sd, b&w. Order no. MN 2829-b. Demonstrates the inspection and launching of float and floater net equipment, launching grill, and maintenance of equipment.

Buy from UWF. LC card FIE 52-1126.

**Emergency seaplane repair.** FS, USN, 1943. 43 fr, b&w. Order no. SN 1996. How to temporarily seal holes in the hulls of flying boats and seaplanes both at sea and when beached. Buy from UWF. LC card FIE 52-1771.

**Employing blind workers in industry.** MP, USOE, 1944. 17 min, sd, b&w. (Problems in supervision series) Order no. OE 165. With instructor's manual. Actual instances of blind workers performing jobs in industry; types of work which can be done by blind persons; role of employment specialists in placing and training blind workers. Buy from UWF. LC card FIE 52-77.

**Employing disabled workers in industry.** MP, USOE, 1946. 20 min, sd, b&w. (Problems in supervision series) Order no. OE 399. With instructor's manual. Illustrative examples of disabled workers handling skilled industrial jobs--one-handed milking machine operator, one-handed machinist, one-armed electric welder, one-handed watch repairman, poliomyelitis-crippled jewelry maker, one-handed secretary. Buy from UWF. LC card FIE 52-329.

**O emprego do suporte fixo.** MP, USOE, 1945. 25 min, sd, b&w. Order no. OE 62-Port. Portuguese version of motion picture with title, Using a steady rest. Description and uses of the steady rest; how to spot the work for the location of the steady rest; mount the steady rest on the lathe; and adjust the jaws of the rest to the work. Buy from UWF. LC card FIE 51-549.



**Empress of Ireland-Storstad incident.**

MP, USN, 1943. 5 min, sd, color.  
(Rules of the nautical road series)  
Order no. MN 202-w.

Collision of the Empress of Ireland and the Storstad; and the reasons therefor.

Withdraw from sale in 1954. Rent from some film libraries. LC card FIE 52-953.

**Endfeed grinding a tapered pin.**

MP, USOE, 1944. 26 min, sd, b&w.  
(Machine shop work series. Operations on the centerless grinding machine, no. 5) Order no. OE 89. With instructor's manual.

Principles of endfeed grinding; how to true the regulating and grinding wheels; rough- and finish-endfeed grind; use a taper collet gage and Prussian blue to check work; redress the wheels for the finish grind; and correct taper error of less than .0005.

Buy from UWF. LC card FIE 51-608.

**Endfeed grinding a tapered pin.**

FS, USOE, 1944. 42 fr, b&w.  
(Machine shop work series. Operations on the centerless grinding machine, no. 5) Order no. OE 89-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-107.

**Enemas.**

MP, USN, 1944. 20 min, sd, b&w.  
(Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-v.

Discusses two main types of enemas, retention and evacuant, and demonstrates the procedure for giving them and the after care of the patient and equipment.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-970.

**The enemy bacteria.**

MP, USN, 1945. 29 min, sd, color.  
(Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-1.

Shows by animation the entry of bacteria into the blood stream, the action of bacteria, and the resultant effect on the patient. Emphasizes the importance of cleanliness in surgery.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-967.

**The enemy of your eyes.**

MP, USBIA, 1950. 13 min, sd, color.

Shows the treatment for trachoma given a Navaho family and the successful cure effected in an Indian Service hospital. Explains how to avoid reinfection by improved home sanitation.

Buy from USBIA. LC card FIE 52-800.

**La enfermedad se propaga.**

MP, USOIAA, 1945. 11 min, sd, color. Spanish version of motion picture with title, How disease travels.

Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

Buy from USOIAA. Cleared for TV. LC card FIE 52-550.

**The engine assembly.**

MP, USOE, 1945. 19 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 3) Order no. OE 463. With instructor's manual.

How to check the cylinder head and block; intake and exhaust manifolds; under-chassis parts; valve mechanism and tappets; vents, screws, and air filters; oil filter, and oil lines; and cylinder depression.

Buy from UWF. LC card FIE 52-357.

**The engine assembly.**

FS, USOE, 1945. 42 fr, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 3) Order no. OE 463-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2811.



**Engine change: Installation.**

MP, USOE, 1945. 17 min, sd, b&w.  
(Aircraft work series. Power  
plant maintenance) Order no. OE  
273. With instructor's manual.

Safety precautions to be observed  
when installing an engine; how to  
inspect engine mount, controls,  
and firewall; connect controls and  
attachments; ground-test the en-  
gine; and prepare for check flight.

Borrow from USCAA film libraries.  
Buy from UWF. LC card FIE  
52-153.

**Engine change: Installation.**

FS, USOE, 1945. 47 fr, b&w.  
(Aircraft work series. Power  
plant maintenance) Order no. OE  
273-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2621.

**Engine change: Removal.**

MP, USOE, 1945. 17 min, sd, b&w.  
(Aircraft work series. Power  
plant maintenance) Order no. OE  
272. With instructor's manual.

Safety precautions to be observed  
when removing an engine; how to  
disconnect controls and attach-  
ments; remove the engine; and in-  
spect the mount, firewall, and  
controls.

Borrow from USCCA film libraries.  
Buy from UWF. LC card FIE  
52-152.

**Engine change: Removal.**

FS, USOE, 1945. 50 fr, b&w.  
(Aircraft work series. Power  
plant maintenance) Order no. OE  
272-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2622.

**Engine instruments.**

FS, USN, 1942. 60 fr, b&w. Order  
no. SN 802.

Describes and illustrates the  
function and use of airplane en-  
gine instruments.

Borrow from USCAA film libraries.  
LC card FIE 54-773.

**Engine lubricating system.**

FS, USCG, 1942. 59 fr, b&w.  
Order no. SCG 154-h.

Explains the splash and pressure  
systems of lubrication and how  
they are employed in a modern  
engine.

Buy from UWF. LC card FIE  
52-803.

**Engine reassembly, part 1.**

MP, USN, 1944. 16 min, sd, b&w.  
(Cooper Bessemer Diesel engine  
maintenance series) Order no.  
MN 2364-j.

How to inspect the liner, seat the  
seal in position in the cylinder  
block, lower the liner and fit the  
piston into the liner, put shell  
into connecting rod bearing, and  
install the connecting rod bearing  
cap.

Buy from UWF. LC card FIE  
52-1223.

**Engine reassembly, part 2.**

MP, USN, 1944. 17 min, sd, b&w.  
(Cooper Bessemer Diesel engine  
maintenance series) Order no.  
MN 2364-k.

How to install fire gasket, liner,  
cylinder nuts, motor header  
flange, liner drain plug, exhaust  
manifold gasket and cover-frame,  
lube oil lines, injector nozzle,  
air starting and fuel lines; ad-  
just valve clearances; and install  
cylinder head cover.

Buy from UWF. LC card FIE  
52-1224.

**Engine reassembly, part 3.**

MP, USN, 1944. 16 min, sd, b&w.  
(Cooper Bessemer Diesel engine  
maintenance series) Order no.  
MN 2364-l.

How to secure exhaust manifold,  
install indicator cock and relief  
valve unit, secure air starting  
manifold and supply line, remove  
coupling gear, close indicator  
cocks, and tighten wrist pin bolt.

Buy from UWF. LC card FIE  
52-1225.

**Engine tests and tune up.**

MP, USOE, 1945. 18 min, sd, b&w.  
(Automotive operation and main-  
tenance series. Preventive main-



tenance, no. 5) Order no. OE 465.  
With instructor's manual.  
How to adjust the automatic choke,  
check and adjust ignition, valve  
tappets, and carburetor; make  
vacuum gage tests; and test the  
vacuum brake system.  
Buy from UWF. LC card FIE  
52-346.

**Engine tests and tune up.**  
FS, USOE, 1945. 50 fr, b&w. (Au-  
tomotive operation and mainte-  
nance series. Preventive mainte-  
nance, no. 5) Order no. OE 465-fs.  
Supplements motion picture with  
the same title.  
Buy from UWF. LC card FIE  
52-2803.

**Engineer mission.**  
MP, USA, 1954. 26 min, sd, b&w.  
Order no. MF 5-8279.  
Past and present accomplish-  
ments of the U.S. Army Corps of  
Engineers, particularly its ac-  
tivities during World War II and  
up to the present.  
Borrow from USA-Eng. LC card  
FIE 54-427.

**Engineer power shovel and at-  
tachments.**  
MP, USA, 1944. 21 min, sd, b&w.  
Order no. FB 129.  
Shows the power shovel and its  
standard attachments, and ex-  
plains its operation.  
Borrow from USA. Cleared for  
TV. LC card FIE 55-202.

**The engineered performance  
standards program.**  
MP, USN, 1953. 16 min, sd, b&w.  
Order no. MN 7837.  
Explains the engineered perfor-  
mance standards program and its  
benefits to workers and to man-  
agement at U.S. Naval Air Sta-  
tions.  
Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 54-99.

**Engineering series.**  
Flue gas analysis (Orsat appara-  
tus)  
Heat treatment of aluminum,  
film 1

Heat treatment of aluminum,  
film 2  
Measurement with light waves  
Powder metallurgy. Part 1:  
Principles and uses  
Powder metallurgy. Part 2:  
Manufacture of porous bronze  
bearings  
Principles of dry friction  
Principles of lubrication  
Principles of refrigeration  
The slide rule: Proportion, per-  
centage, squares and square  
roots  
The slide rule: The "C" and  
"D" scales  
Tension testing  
X-ray inspection

**Engineering series. Electronics,**  
nos. 1-4  
The electron: An introduction  
The diode: Principles and ap-  
plications  
The triode: Amplification  
Principles of gas-filled tubes

**Engineering series. Fundamen-  
tals of mechanics**  
An introduction to vectors: Co-  
planar concurrent forces  
Principle of moments  
Principles of gearing: An intro-  
duction

**Engineering series. Heat treat-  
ment of steel, nos. 1-3**  
Elements of hardening  
Elements of tempering, normal-  
izing, and annealing  
Elements of surface hardening

**Engineering for radioisotopes.**  
MP, USAEC, 1951. 22 min. sd,  
b&w.  
Describes the chemical, mechan-  
ical, electrical and construction  
engineering skills required to put  
the production and processing  
of radioisotopes on an efficient  
industrial basis.  
Borrow from USAEC. Cleared for  
TV. LC card FIE 54-390.

**Engineers at work.**  
MP, USA-Eng, 1952. 28 min,  
sd, b&w.  
Shows the varied engineering  
projects of the Corps of Engi-



neers such as the construction of dams and levees, and dredging for flood control and navigation. Produced primarily for the recruiting of civilian engineers. Borrow from USA-Eng. Cleared for TV. LC card FIE 53-229.

**Environmental sanitation series**  
Constructing a sanitary pit privy.

**Environmental sanitation.**  
MP, USOIAA, 1945. 9 min, sd, color. (Health for the Americas series)

Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-533.

**Epidemiology of brucellosis.**

FS, USPHS, 1952. 86 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order no. F 20-a.

Explains the epidemiology of brucellosis in cattle, swine, and goats; and its transmission to man. Covers in each case the method of infection, the course of the disease, and the public health and economic implications.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-858.

**The epidemiology of influenza.**

MP, USPHS, 1950. 13 min, sd, b&w. Order no. 4-100.

Reviews the historical significance of influenza; discusses its behavior and periodicity; and explains the program of the World Health Organization with regard to the disease.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-201.

**Epidemiology of murine typhus.**

MP, USPHS, 1953. 18 min, sd, b&w. Order no. 4-049.1.

Explains procedures for the epidemiological study of murine typhus and their relationship to its

prevention and control; pattern of the disease--rats, rat fleas, man; the roles of public health officers and the U.S. Public Health Service in controlling the disease.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-666.

**Epizootiology of anthrax.**

FS, USPHS, 1952. 67 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. F 118.

Explains the epizootiology of anthrax, particularly the etiological agent, *Bacillus anthracis*; the case history of an epizootic of anthrax arising from an import of contaminated bonemeal; the world-wide distribution of anthrax; susceptibility of different animals to anthrax; methods of infection; and control measures.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-859.

**Equilibration of occlusion.**

MP, USN, 1952. 19 min, sd, color. Order no. MN 7340.

Shows various pathological conditions of teeth, gums, and the associated nervous system caused by traumatic occlusion; gives illustrative examples of such occlusion; explains that in malocclusion, improvement of stress distribution is obtained through equilibration by selective grinding; and demonstrates this procedure by the use of study casts, animation, and live-action photography of natural and artificial dentures.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-152.

**Equipment for hand spraying of DDT.**

FS, USPHS, 1947. 67 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-084.

Shows several types of hand sprayers and explains their parts, including the use of an air compressor.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-921.



**Eradicating tuberculosis from livestock and poultry.**

FS, USDA, 1939. 36 fr, b&w. Order no. 515. With lecture notes. Explains types of tubercle bacilli that cause disease in farm animals; shows tuberculin testing; demonstrates effects of disease; and explains how to prevent disease.

Buy from PhotoLab. LC card FIE 52-2935.

**Eradication of foot-and-mouth disease in the United States.**

FS, USDA, 1948. 33 fr, single or double, b&w. Order no. 683. With lecture notes.

Shows symptoms of the disease; and explains the need to destroy diseased animals, clean and disinfect the premises, and report suspected cases to livestock authorities.

Buy from PhotoLab. LC card FIE 52-2849.

**Erection of the AS-19/TRC-1 antenna system.**

MP, USA, 1953. 14 min, sd, b&w. Order no. TF 11-1823.

Explains and illustrates the techniques of erecting the AS-19/TRC-1 antenna system used in UHF radio communication.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-157.

**Erosion.**

MP, USDA, 1948. 5 min, sd, b&w. With teacher's guide.

Portrays results of erosion caused by wind and dust storms and by water and floods; demonstrates the action of a heavy rain upon the soil of a newly planted bean field on a hillside; and emphasizes the importance of soil conservation practices.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-54.

**Erythrocytic stages of Plasmodium vivax.**

MP, USPHS, 1954. 4 min, sd, b&w. Order no. M 138-a.

By means of the phase contrast microscope, shows the appearance and behavior of living malaria parasites within infected red blood cells, specifically, ring stages, young and mature trophozoites, and schizonts of Plasmodium vivax.

Borrow from USPHS-CDC. LC card FIE 55-35.

**Es fácil comer bien.**

MP, USOIAA, 1945. 9 min, sd, color. Spanish version of motion picture with title, Planning for good eating.

Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.

Buy from USOIAA. Cleared for TV. LC card FIE 52-544.

**Essentials of first aid.**

MP, USN, 1942. 32 min, sd, b&w. Order no. MN 299-a.

Describes some of the medical facilities afloat, methods of transporting and protecting injured men, rescuing and reviving men overcome by smoke, contents of Navy first aid kits, and steps in the examination and treatment of the wounded.

Borrow from USN-BuMed or USCAA film libraries. Buy from UWF. LC card FIE 52-1019.

**Establishing construction lines, part 1.**

MP, USN, 1944. 17 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2345-a.

Shows by animation how to establish five basic lines--base, center, buttock, frame, and water--used in ship construction. Buy from UWF. LC card FIE 52-1198.

**Establishing construction lines, part 2.**

MP, USN, 1945. 16 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2345-b.

Covers establishment of center, buttock, and water lines for use as reference points. Also shows



setting of bulkhead and use of reference lines to locate a foundation.

Buy from UWF. LC card FIE 52-1199.

**Establishing primary survey control points.**

MP, USN, 1950. 20 min, sd, color. (Hydrographic surveying operations of the Navy series) Order no. MN 6755-a.

Describes the instruments, methods, and signals required to establish primary geodetic control including astronomical position, azimuth, base line, triangulation, and relevant operations.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1267.

**Establishing working relations for the disabled worker.**

MP, USOE, 1946. 14 min, sd, b&w. (Problems in supervision series) Order no. OE 401. With instructor's manual.

Dramatized case study of workers being overly solicitous of a new one-handed lathe operator, of his resentment at being considered a "freak," and of the supervisor's successful handling of the situation.

Buy from UWF. LC card FIE 52-339.

**Establishment and maintenance of grassed waterways.**

FS, USDA, 1939. 29 fr, b&w. Order no. 559. With lecture notes. Explains how to slope and seed gullies.

Buy from PhotoLab. LC card FIE 52-2866.

**Establishment of a field ammunition supply point.**

MP, USA, 1950. 27 min, sd, b&w. Order no. TF 9-1655.

Describes U.S. Army methods of setting up and operating ammunition supply points in the field.

Borrow from USA. Cleared for TV. LC card FIE 55-155.

**Etawah story.**

MP, USIA, 1952. 10 min, sd, b&w. Shows how cooperative enter-

prise and new methods of farming raised the standard of living of villagers in the Etawah district of India. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-500.

**Ethiopia in the free world.**

MP, USIA, 1951. 10 min, sd, b&w.

Explains the reasons for Ethiopia's participation in the Korean War, and shows Ethiopian troops as part of the United Nations' forces in Korea. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 52-2135.

**Europe looks ahead.**

MP, USECA, 1950. 19 min, sd, b&w.

Describes the progress Western Europe is making toward economic recovery with the help of the Marshall plan, and the challenge that lies ahead; increasing productivity, greater economic cooperation, and integration. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-567.

**The European corn borer.**

MP, USDA, 1948. 11 min, sd, color.

Shows the life cycle of the corn borer--from moth to egg to borer to moth; and explains control measures to be used by farmers, including insecticides and types of spraying equipment.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-375.

**European labor day.**

MP, USECA, 1951. 10 min, sd, b&w.

A round-up report on May Day celebrations in Western Europe, 1951, contrasting these celebrations of free trade unions with May Day in the Soviet Union. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-570.



**Evacuation and treatment of animal casualties.**

MP, USA, 1949. 24 min, sd, b&w. (Veterinary service with army animals series, no. 2) Order no. FB 223.

Shows the evacuation and treatment of sick and wounded animals by the Veterinary Corps during World War II. Through animation explains the wartime military organization of the veterinary service.

Borrow from USAFIP. LC card no. FIE 54-31.

**The evacuation hospital.**

MP, USA, 1945. 13 min, sd, b&w. Order no. FB 173.

Shows the operation and functions of an evacuation hospital in the theater of operations.

Borrow from USAFIP. LC card FIE 54-27.

**Evacuation of casualties at Saipan.**

MP, USN, 1945. 23 min, sd, color. (Medicine in action series, no. 7) Order no. MN 3726-g.

Shows the procedure used at Saipan for evacuating casualties.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-996.

**Evacuation of civilians.**

MP, USA, 1945. 15 min, sd, b&w. Order no. FB 193.

Illustrates problems of directing civilians in combat areas to points of concentration so that traffic lanes can be kept open for troop and supply movements.

Borrow from USA. Cleared for TV. LC card FIE 55-200.

**Evacuation of the wounded.**

MP, USA, 1944. 14 min, sd, b&w. Order no. FB 132.

Presents the principles of the chain of evacuation of the wounded through five successive echelons of medical service from the front line of battle to the general hospital in the zones of interior.

Borrow from USAFIP. LC card FIE 54-23.

**Evaluating a nation.**

MP, US Defense, 1951. 19 min, sd, b&w. Order no. AFIF 18.

Proposes the evaluation of nations in terms of national and global power; explains the MacKinder concept of world island, the Nazi doctrine of geopolitics and the polar concept of geography; and emphasizes the necessity of sending U.S. troops to western Europe.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2034.

**Evaluating DDT dusting in murine typhus control.**

FS, USPHS, 1945. 101 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-026.1.

Explains methods of collecting rodent ectoparasites, taking rodent blood samples, and determining the ectoparasite index as an evaluation of the effectiveness of DDT dusting.

Borrow from USPHS-CDC. LC card FIE 53-898.

**Eve of battle.**

MP, USA, 1944. 20 min, sd, b&w. Order no. MF 1043.

Scenes of activities in England on the evening before the invasion of Normandy in 1944.

Borrow from USA. Buy from UWF. LC card FIE 52-1693.

**Evening care.**

MP, USN, 1943. 7 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-e.

Explains the necessity to be cheerful and to keep patients comfortable; and demonstrates the alcohol rub.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-960.

**Every minute counts.**

MP, USOE, 1944. 10 min, sd, b&w. (Problems in supervision series) Order no. OE 161. With instructor's manual.

Problems of a new supervisor in handling lateness, loafing, and



absenteeism; and how he learns to deal with individual cases.  
Buy from UWF. LC card FIE 52-80.

**Everybody's army.**  
MP, USA, 1951. 14 min, sd, b&w. Order no. MF 7870.  
Explains the purposes and functions of the U.S. Army Organized Reserve Corps.  
Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2066.

**Everyman's empire.**  
MP, USDA, 1948. 19 min, sd, color.  
Shows and explains the values and resources of the U.S. national forests--lumber reserves, storehouses of water, grasslands for grazing, refuge for wildlife, and recreational facilities for Americans.  
Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-589.

**Evidence in courts-martial: Documentary and real evidence.**  
MP, USN, 1954. 32 min, sd, b&w. Order no. MN 9238-c.  
Demonstrates rules of evidence as applied in a court-martial. The setting is a general court-martial and the action centers about documentary and real evidence. Considerations such as the accused's record, confession, depositions, authentication, best evidence rule, qualified witness, and graphic evidence are emphasized.  
Buy from UWF. LC card FIE 54-346.

**Evidence in courts-martial: Evidence after the findings.**  
MP, USN, 1954. 20 min, sd, b&w. Order no. MN 9238-d.  
Discusses the rules of evidence as applied in courts-martial, those matters a court may take into consideration in determining the sentence, and how these matters are presented to the court by the trial and defense counsels. Includes evidence after the find-

ings presented by the prosecution, personal data, evidence of previous convictions, matter showing aggravation of offense, evidence after the findings presented by the defense, extenuation, and mitigation.  
Buy from UWF. LC card FIE 54-347.

**Evidences in courts-martial: General rules of evidence.**  
MP, USN, 1954. 17 min, sd, b&w. Order no. MN 9238-a.  
Shows typical situations in courts-martial and how the rules of evidence are applied. Among the items discussed are corpus delicti, identity, intent, oral testimony, documentary evidence, real evidence, direct and circumstantial evidence, and relevant and competent evidence.  
Buy from UWF. LC Card FIE 54-348.

**Evidence in courts-martial: Testimony.**  
MP, USN, 1954. 21 min, sd, b&w. Order no. MN 9238-b.  
Demonstrates rules and methods used in developing a witness's testimony including presentation of evidence, order for presentation of a witness, general and specific competency of witnesses, pretrial interview of witness by counsel, written statements by witness, limitations on direct examination, impeaching of witness, right of accused to refuse to take stand, and waiver of right against self-incrimination by the accused.  
Buy from UWF. LC card FIE 54-349.

**The evolution of the oil industry.**  
MP, USBM, 1952. 29 min, sd, color. Order no. 187.  
Traces the development of the petroleum industry, showing early methods and, in contrast, modern techniques of prospecting and drilling for oil and of refining oil into various products.  
Borrow from USBM. Cleared for TV. LC card FIE 52-622.



**An examination.**

FS, USA, 1946. 55 fr, b&w, with disc: 16 in, 33 1/3 rpm, 12 min. (Examining personnel for civilian employment series, no. 3) Order no. SFS 61-6.

Explains the techniques of developing a test based upon job and personal traits analyses, administering the test, and comparing test scores with actual job ratings.

Buy from UWF. LC card FIE 52-2975.

**Examining personnel for civilian employment series, nos. 1-4.**

Job analysis

Personal traits analysis

An examination

Other examining techniques

**Excision of chronic periapical infections.**

MP, USA, 1952. 8 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5191.

Demonstrates the excision of chronic periapical infections. Shows an apical granuloma which proved to be a cyst. For dental personnel.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 53-19.

**Excision of gingival hypertrophy.**

MP, USA, 1952. 6 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5221.

Shows how tissue found in the anterior portion of the maxillary ridge is excised in preparation of a firm base for the denture.

Borrow from USAFIP. LC card FIE 54-73.

**Excision of mandibular tori.**

MP, USA, 1952. 12 min, sd, color. (Dento-alveolar surgery series) Order no. PMF 5220.

Shows the surgical excision of the tuberosity lingual to the mandibular third molar, followed by the excision of bilateral mandibular tori in the bicuspid area, in

preparation of the ridge for a denture.

Borrow from USAFIP. LC card FIE 54-72.

**Excision tuberculoma, right lower lobe, and thoracolumbar sympathectomy.**

MP, USA, 1952. 10 min, sd, color. (Thoracic surgery series) Order no. PMF 5211.

Shows the excision of a tuberculoma of the right lower lobe; and demonstrates a thoracolumbar sympathectomy. For medical personnel.

Borrow from USAFIP. LC card FIE 53-13.

**Excystation and motility of *Endamoeba histolytica*.**

MP, USPHS, 1948. 3 min, si, b&w. Order no. 4-070.

Shows by bright-field and dark-field illumination the process of excystation of the trophozoite of *Endamoeba histolytica*.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-193.

**Exercise ski jump.**

MP, USA, 1954. 25 min, sd, b&w. Order no. MF 31-8290.

Shows cold weather operations of a tactical U.S. Army unit, covering selection of camp site, erection of shelter, food preparation, cold weather clothing and equipment furnished the soldier, occupational hazards, first aid to and evacuation of injured, vehicles used in supply and evacuation, care and use of personal weapons, and survival and tactical problems presented by mountain operations.

Buy from UWF. Cleared for TV. LC card FIE 54-428.

**Exercise Sweetbriar.**

MP, US Defense, 1951. 10 min, sd, b&w. Order no. AFSR 126. On same reel with film, Great Britain.

Explains a military exercise conducted by the U.S. Army in 1950 to demonstrate how Alaska and the Yukon Territory could best be defended. Prepared for use



by U.S. Armed Forces personnel.  
Buy from UWF. Cleared for TV.  
LC card FIE 53-306.

**Exercise Yukon.**

MP, USA, 1949. 30 min, sd, b&w  
Order no. MF 7513.

Documentary record of a tactical operation in the Arctic.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1618.

**Exhaust and intake manifolds: Ranger.**

FS, USN, 1942. 45 fr, b&w. Order no. SN 1323.

Shows how to remove, inspect, and install the exhaust and intake manifolds on a Ranger engine.

Buy from UWF. LC card FIE 52-1747.

**Exhibit ideas.**

FS, USDA, 1942. 37 fr, b&w. Order no. 631. With lecture notes. Consists of photographs of exhibits with analysis and criticism of these exhibits provided in lecture notes.

Buy from PhotoLab. LC card FIE 52-2874.

**Expanding world relationships.**

MP, USIA, 1946. 11 min, sd, color.

An animated cartoon explaining the technological, economic, and social changes which have occurred during the 150 years since the time of Thomas Jefferson. Emphasizes the interdependence of nations today.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-891.

**Expedients.**

MP, USA, 1952. 14 min, sd, b&w. (Military stevedoring series, no. 8) Order no. TF 55-1551.

Demonstrates methods which can be used as expedients for the temporary repair of dead winches, damaged cargo booms, and other shipboard cargo handling equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-492.

**Experimental determination of moments of inertia and product of inertia.**

MP, USNACA, 1950. 15 min, si, color.

Shows a simplified method employed by the NACA for the determination of the moments of inertia and product of inertia, the associated equipment and techniques, and application of this method to a conventional 13,000 pound airplane. For technical personnel, to be used with NACA Technical note 2201: "Measurement of the moments of inertia of an airplane by a simplified method."

Borrow from USNACA. LC card FIE 54-196.

**Experimental diving unit: Evaluation of physical fitness by one step-up test.**

MP, USN, 1943. 12 min, sd, b&w. Order no. MN 2153-a.

Explains equipment needed for test and demonstrates procedure for making step-up test based on terms of cardiovascular response. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1179.

**Experimental diving unit: Specific gravity of healthy men.**

MP, USN, 1944. 16 min, sd, b&w. Order no. MN 2153-b.

Describes the examination which discovers specific gravity of an average man and the scientific research instruments which are used. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1180.

**Experimental malaria transmission.**

MP, USPHS, 1946. 18 min, sd, color or b&w. (Malaria control series) Order no. 4-008. With film guide.

Depicts the rearing, infecting, and handling of anophelines for experiments in malaria trans-



mission; shows how to determine the rate of infection of mosquitoes, dissect infected mosquitoes for oocysts and sporozoites, transmit malaria to human beings with infected mosquitoes, and record data about mosquitoes and patients.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2264.

**Experimental thiamin deficiency.** MP, USA, 1950. 7 min, sd, color. Order no. PMF 5169.

Presents a laboratory demonstration of polyneuritis gallinarum, and shows the symptoms and signs of vitamin B-1 deficiency; shows the recovery effected by use of intraperitoneal thiamin hydrochloride; and explains carbohydrate metabolism and the role of thiamin. For medical personnel.

Borrow from USAFIP. LC card FIE 53-80.

**Exterminación de las plagas.**

MP, USIAA, 1947. 7 min, sd, color. Spanish version of motion picture with title, Insect enemies. Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from USIAA. Cleared for TV. LC card FIE 52-504.

**Extra dividend.**

MP, USA-Eng, 1954. 12 min, sd, color.

Explains the importance of flood-control planning and shows the benefits of reservoir developments for public use, with particular reference to Corps of Engineers projects in Arkansas and southern Missouri.

Borrow from USA-Eng. Cleared for TV. LC card FIE 54-429.

**Extra feeding pays.**

MP, USIAA, 1947. 8 min, sd, color.

Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good

pasture land and recommends the planting of several kinds of grasses.

Buy from USIAA. Cleared for TV. LC card FIE 52-569.

**Extra forest dollars.**

MP, USDA, 1952. 14 min, sd, color or b&w.

Shows well-known and little-known products of the national forests--logs and lumber, furniture stuffing, candy, and cascara--and emphasizes the contribution of these forests to the country's economy.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-387.

**Extra-oral traction appliances: Wooden tongue depressor traction appliance; metal coat hanger traction appliance.**

FS, USA, 1942. 34 fr, b&w. Order no. FS 8-32.

Demonstrates use of extra-oral traction appliances to clear and maintain air passages blocked by a backward displacement resulting from fractures of the jaw, displaced soft tissues, and loss of control of the tongue. For medical personnel.

Borrow from USAFIP. LC card FIE 53-833.

**The eye loop holder.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 3)

Explains the importance of an eye loop holder in fine machine work, and shows how to make grooves in opposite sides of an eye loop, bend wire to fit the eye loop, and fit wire around the operator's head.

Borrow from USVA. LC card FIE 54-174.

**Eye surgery series**

Field management of eye injuries

Removal of intraocular foreign bodies

Treatment for paralysis of the superior oblique



**Eyes of the storm.**

MP, USAF, 1949. 20 min, sd, b&w.  
Order no. TF 1-4000.

Demonstrates the use of radar set AN/APQ-13 and the part it plays in forecasting weather conditions, how storm warnings are issued, and the precautions taken to avoid property damage.

Borrow from USAF. Cleared for TV. LC card FIE 55-109.

**Fabric repairs series**

Making insert patches

Patching small holes in fabric  
Patching the L, T, and X type tears in fabric

**Fabricating metal aircraft.**

MP, USOE, 1945. 14 min, sd, b&w.  
(Aircraft work series. Metal fabrication) Order no. OE 288. With instructor's manual.

How sheet metal is used in aircraft fabrication; how to cut sheet metal, form and assemble sheet metal parts, and fit major assemblies together.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-157.

**Fabricating metal aircraft.**

FS, USOE, 1945. 41 fr, b&w.  
(Aircraft work series. Metal fabrication) Order no. OE 288-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2620.

**Fabrication of tubing.**

FS, USN, 1941. 60 fr, b&w. Order no. SN 56.

Demonstrates the fabrication and installation of cooper, aluminum, and dural tubing. Includes the making of the pattern, cutting of the new tubing, annealing, removing of kinks and bends, bending, and fitting.

Borrow from USCAA film libraries. LC card FIE 54-774.

**Face milling with a fixture.**

MP, USOE, 1945. 16 min, sd, b&w.  
(Machine shop work series. Operations on the horizontal boring

mill, no. 2) Order no. OE 226. With instructor's manual.

How to determine speed and feed; establish reference surfaces; make reference cut by end-milling a flange and by milling the face.

Buy from UWF. LC card FIE 51-591.

**Face milling with a fixture.**

FS, USOE, 1945. 30 fr, b&w.  
(Machine shop work series. Operations on the horizontal boring mill, no. 2) Order no. OE 226-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-98.

**Face planing uneven surfaces.**

MP, USOE, 1945. 13 min, sd, b&w.  
(Precision wood machining series. Operations on the jointer, no. 3) Order no. OE 304. With instructor's manual.

How to determine the condition of boards; correct defects on the jointer; face wide stock with a slight cross grain; make and use a feather board; and face thin stock, using a push block.

Buy from UWF. LC card FIE 52-62.

**Face planing uneven surfaces.**

FS, USOE, 1945. 40 fr, b&w. (Precision wood machining series. Operations on the jointer, no. 3) Order no. OE 304-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2552.

**Face turning a collar.**

MP, USOE, 1944. 16 min, sd, b&w.  
(Precision wood machining series. Operations on the wood lathe, no. 5) Order no. OE 317. With instructor's manual.

How to prepare the face plate chuck; turn the chuck to size; attach chuck to stock for the collar; turn the collar and hob to size; and taper turn the recess.

Buy from UWF. LC card FIE 52-42.



**Face turning a collar.**  
 FS, USOE, 1944. 39 fr, b&w.  
 (Precision wood machining  
 series. Operations on the wood  
 lathe, no. 5) Order no. OE 317-fs.  
 Supplements motion picture with  
 the same title.  
Buy from UWF. LC card FIE 52-  
2534.

**Facilities and the block warden  
 organization.**

FS, USFCDA, 1953. 67 fr, color  
 with disc: 12 in, 33 1/3 rpm, 15  
 min. Order no. 8. With training  
 bulletin.

Shows how civil defense block  
 wardens can extend the benefits  
 of the self protection program to  
 the facilities and people in their  
 blocks.

Borrow from USFCDA. Buy from  
SVE. LC card FIE 55-529.

**Facing, turning, boring, groov-  
 ing, and chamfering.**

MP, USOE, 1942. 31 min, sd, b&w.  
 (Machine shop work series. Op-  
 erations on the vertical boring  
 mill, no. 3) Order no. OE 18.  
 With instructor's manual.

How to use a fixture for setting  
 up a casting on a vertical turret  
 lathe; set cutting tools in the side-  
 head turret for facing and turn-  
 ing, and in the main head for bor-  
 ing, grooving, and chamfering.

Buy from UWF. LC card FIE  
51-519.

**Facing, turning, boring, groov-  
 ing, and chamfering.**

FS, USOE, 1943. 52 fr, b&w.  
 (Machine shop work series.  
 Operations on the vertical boring  
 mill, no. 3) Order no. OE 18-fs.  
 Supplements motion picture with  
 the same title.

Buy from UWF. LC card FIE  
51-56.

**Factors in the construction of  
 full mandibular and maxillary  
 denture.**

MP, USN, 1943. 43 min, sd, color.  
 Order no. MN 2479.

Demonstrates how the muscle  
 reflexes are tested, how the im-  
 pression for the plate is made and

tested, and how the forming plate  
 is molded. For dental personnel.  
Borrow from USN-BuMed. Buy  
from UWF. LC card FIE 52-1080.

**Factory worker turns farmer.**

MP, USIA, 1949. 24 min, sd, b&w.  
 Story of a young U.S. factory  
 worker and his wife who, through  
 hard work, wise planning, and  
 neighbors' aid, become the  
 owners of a small chicken farm.  
 Prepared for overseas use.

Buy from UWF. LC card FIE 52-  
892.

**Facts about cotton and southern  
 farming.**

FS, USDA, 1946. 63 double fr,  
 b&w. Order no. 666.

Graphs of cotton problems in  
 1946.

Buy from PhotoLab. LC card  
FIE 52-2821.

**Fairbanks Morse Diesel engine  
 maintenance series**

Inspection and preparatory steps  
 Removal and replacement of main  
 bearings

Removal of cylinder liner

Removal of injection nozzles

Removal of pistons

Replacement of cylinder liner

Replacement of injection nozzles

Replacement of pistons

**Fairbanks Morse Diesel engine  
 maintenance series. Bench-  
 work**

Air start check valve, cylinder  
 relief valve, and indicator cock  
 Injection nozzle

Pistons and rods

**False traumatic aneurysm of ra-  
 dial artery.**

MP, USA, 1948. 19 min, sd, color.  
 Order no. PMF 5083.

Presents two cases of traumatic  
 arterial aneurysm, one involving  
 the radial and the other the bra-  
 chial artery. Shows preoperative  
 and postoperative findings and  
 surgical technique.

Borrow from USAFIP. LC card  
FIE 54-45.



**The family.**

MP, USA-CAD, 1952. 20 min, sd, b&w.

Explains how daily problems confronting a family are solved when each member understands the needs and desires of others, and the family faces its problems together. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card no. FIE 52-1954.

**The famous Third Army.**

MP, USA, 1950. 22 min, sd, b&w. Order no. MF 7705.

Historical review of the advance of the U.S. Third Army across France and into Germany during World War II.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2202.

**Famous trees in the United States.**

FS, USDA, 1939. 80 fr, b&w. Order no. 507. With lecture notes.

Photographs of famous trees commemorating historic events; trees noted for size, age, or unusual form; trees planted by early national leaders.

Buy from PhotoLab. LC card FIE 52-2850.

**Fan belt and water pump.**

MP, USA, 1953. 8 min, sd, b&w. (Operator's adjustments, D-7 tractor, no. 4) Order no. TF 5-1829.

Procedures used in checking and adjusting the fan belt and water pump of the D-7 tractor.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-512.

**Farm and city.**

MP, USDA, 1939. 8 min, sd, b&w. Shows the interdependency of farm and city and the economic influence of one upon the other.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-409.

**The farm and the farm woods,**  
FS, USDA, 1942. 48 fr, single or double, b&w. Order no. 622. With lecture notes.

Explains the values of farm woodlands and illustrates some points of proper care and management. Buy from PhotoLab. LC card FIE 52-2877.

**Farm forestry extension in the United States.**

FS, USDA, 1936. 69 fr, b&w. Order no. 393. With lecture notes. Illustrates the benefits of farm woodlands, and surveys the work of state extension foresters and county agents in promoting the proper care of such woodlands.

Buy from PhotoLab. LC card FIE 52-2890.

**Farm forestry in the South.**

FS, USDA, 1937. 64 fr, b&w. Order no. 447. With lecture notes. Shows the kinds of trees found in the South and explains their uses and values in farm woodlands.

Buy from PhotoLab. LC card FIE 52-2894.

**Farm photography.**

FS, USDA, 1947. 28 fr, single or double, b&w. Order no. 677. With lecture notes.

Shows "tricks of the trade" in farm photography.

Buy from PhotoLab. LC card FIE 52-2829.

**Farm to fit your land.**

FS, USDA, 1947. 62 fr, single or double, b&w. Order no. 676. With lecture notes.

Illustrates proper use and treatment of land for practical purposes, and classification of land according to what it can produce best without losing its productivity.

Buy from PhotoLab. LC card FIE 52-2911.

**Farm water supply.**

FS, USDA, 1937. 48 fr, b&w. Order no. 104. With lecture notes. Lists sources of farm water;



explains causes of water pollution, necessity for well protection, construction of spring houses, and methods of getting running water on the farm.

Withdrawn from active circulation in 1952. LC card F1E 52-2870.

Farm work series. Equipment maintenance, nos. 1-6

Reconditioning a mower. Part 1:  
Cutter bar  
Reconditioning a mower. Part 2:  
Drive system  
Reconditioning a two-bottom tractor plow  
Reconditioning a grain drill  
Reconditioning a cultivator  
Care of a tractor

Farm work series. Food preservation, nos. 1-2

Community canning  
Canning beef

Farm work series. Forging, nos. 1-3

Forging with a hand forge  
Forge welding  
Sharpening and tempering farm tools

Farm work series. Livestock, nos. 1-3

Sheep shearing  
Horseshoeing  
Handling livestock for market

Farm work series. Meating cutting, nos. 1-2

Cutting and boning a forequarter of beef  
Cutting and boning a hindquarter of beef

Farm work series. Painting, no. 1

Repainting a frame building

Farmer at war.

MP, USOWI, 1943. 11 min, sd, b&w.

How Lancaster County, Pa., farmers managed by longer hours and neighborhood cooperation to increase their production of food during World War II.

Buy from UWF. LC card F1E 52-775.

Farmers of Japan.

MP, USDA, 1948. 20 min, sd, b&w. Shows post-war farming in Japan as illustrated by the activities of one Japanese farmer, his tools and methods, work, and way of life.

Rent from USDA film libraries.  
Buy from UWF. Cleared for TV. LC card F1E 52-500.

Farmers working together.

MP, USDA, 1952. 19 min, sd, color or b&w.

Explains the operations, organization, and general activities of farmer cooperatives throughout the United States.

Borrow from USFCA. Buy from UWF. Cleared for TV. LC card F1E 52-2153.

The fathometer.

FS, USCG, 1944. 37 fr, b&w. (Piloting series) Order no. SCG 136-j.

Explains the operation and use of sounding devices for measuring the depth of water--the lead, patent sounding machine, and fathometer.

Buy from UWF. LC card F1E 52-834.

Febre tifóide.

MP, USHAA, 1947. 9 min, sd, color. Portuguese version of motion picture with title, The typhoid carrier.

Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.

Buy from USHAA. Cleared for TV. LC card F1E 52-496.

Federal beef grade standards.

FS, USDA, 1951. 45 double fr, color. Order no. C-17. With lecture notes.

Gives a technical interpretation of the official United States standards for grades of carcass beef, and describes each carcass in relation to the official standards.

Buy from PhotoLab. LC card F1E 53-853.



**Federal meat inspection.**

FS, USDA, 1945. 42 fr, b&w. Order no. 466. With lecture notes. Contrasts conditions with and without Federal meat inspection, and shows the procedures followed in Federal meat inspection.

Buy from PhotoLab. LC card FIE 52-2869.

**The Federal Reserve Bank and you.**

MP, USFR, 1950. 30 min, sd, b&w. Explains through a dramatized story the operations and services of the Federal Reserve System and Banks.

Borrow from USFR, Minneapolis. LC card FIE 54-305.

**Feed control.**

MP, USN, 1944. 22 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-d.

Explains that feed control is the maintenance of correct water level; and demonstrates various procedures followed in feed control operation.

Buy from UWF. LC card FIE 52-1183.

**Feeding and care of the dairy calf.**

FS, USDA, 1942. 49 fr, b&w. Order no. 623. With lecture notes. Shows the housing, health, training, feeding, and earmarking of dairy calves from birth to full development.

Buy from PhotoLab. LC card FIE 52-2853.

**Feeding farm animals.**

MP, USDA, 1946. 19 min, sd, b&w.

Shows the basic principles of feeding farm animals, the six classes of nutrients--carbohydrates, fats, proteins, vitamins, minerals, and water--and the results of correct feeding.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-276.

**Feeding the patient.**

MP, USOE, 1944. 15 min, sd, b&w. (Nursing series) Order no. OE 404. With instructor's manual.

Factors which affect appetite and digestion; preparation of the environment and the patient for the meal; proper balance of food and arrangement of the tray; individualized feeding care; and factors to be considered in after-care of the patient.

Buy from UWF. LC card FIE 52-351.

**Feeding the patient.**

FS, USOE, 1944. 42 fr, b&w. (Nursing series) Order no. OE 404-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2805.

**Feedwater.**

FS, USCG, 1943. 60 fr, b&w. Order no. SCG 120.

Explains the function of the feedwater system and shows its important parts.

Buy from UWF. LC card FIE 52-845.

**Femoral nerve anastomosis.**

MP, USA, 1948. 9 min, sd, color. Order no. PMF 5078.

Explains findings on a preoperative examination of a femoral nerve injury; and demonstrates operative technique used to close a 4cm. defect. For medical personnel.

Borrow from USAFIP. LC card FIE 53-59.

**Ferramentas e máquinas.**

MP, USHIAA, 1947. 7 min, sd, color. Portuguese version of motion picture with title. From small beginnings.

Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.

Buy from USHIAA. Cleared for TV. LC card FIE 52-501.

**Feuillage et touillage d'un champ sur un matériel d'oit.**

MP, USOE, 1951. 18 min, sd, b&w. Order no. OE 318-Fr. French version of motion picture with



title, Rabbeting and shaping an edge on straight stock.

Principles of the shaper operation. Shows how to set up the machine for cutting rabbets, cut rabbets, set up the machine to shape molding, and shape a molding.

Buy from UWF. LC card FIE 53-465.

**Field artillery action in Korea.**  
See Fire: Artillery action in Korea.

**Field artillery sight tests and adjustments.**

MP, USA, 1949. 37 min, sd, b&w.  
Order no. TF 6-1498.

Demonstrates how to test and adjust field artillery sighting equipment on a 105mm. howitzer.  
Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1504.

**Field expedients and vehicles recovery.**

MP, USA, 1951. 30 min, sd, b&w.  
Order no. TF 17-1685.

Describes various methods used in the field for the reclamation of disabled vehicles.

Borrow from USA. Cleared for TV. LC card FIE 55-136.

**The field hospital.**

MP, USA, 1945. 10 min, sd, b&w.  
Order no. FB 172.

Illustrates how a field hospital functions under combat conditions.

Borrow from USAFIP. LC card FIE 54-26.

**Field management of eye injuries.**

MP, USN, 1945. 20 min, sd, color.  
(Eye surgery series) Order no. MN 2477-c.

Demonstrates removal of the pterygium using local anaesthesia, removal of chalazion using surface anaesthesia, penetration of the cornea, corneal laceration, enucleation, and removal of intra-ocular foreign body. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1087.

**Field sanitation series, nos. 1-3**  
Musca domestica  
Culicidae mosquitoes

**Field training for public health workers.**

FS, USPHS, 1952. 89 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. Order no. F 134.

Explains and illustrates some of the training services carried on by the U.S. Public Health Service, Communicable Disease Center. For health workers and students.  
Borrow from USPHS-CDC. LC card FIE 54-710.

**Field wire laying equipment.**

MP, USA, 1950. 20 min, sd, b&w.  
Order no. TF 11-1637.

Illustrates the correct usage of field wire-laying equipment; and shows the installation, operation, and maintenance of equipment used by wire teams in laying out field wires.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2079.

**Field wire line construction.**

MP, USA, 1950. 24 min, sd, b&w.  
Order no. TF 11-1636.

Shows problems encountered in field wire construction; and illustrates the steps required in overcoming each difficulty, explaining each decision; and the reasons why a particular decision is made.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2078.

**Fiestas of the hills.**

MP, USOIAA, 1942. 10 min, sd, color. (Mexican fiestas series, no. 3)

Ceremonies at Amecameca where dancers climb the trail to Sacramento, representing that part of the Passion called Via Crucis; pilgrimage to Chalma where Lenten pilgrims visit the one-time sacred grotto of Ostocteotl.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-86.



**The fight against rabies.**

FS, USPHS, 1947. 89 fr, b&w with disc: 16 in, 33 1/3 rpm, 14 min. Order no. 5-093.

Explains the dangers of rabies, symptoms in infected dogs, measures for eliminating rabies, annual anti-rabies vaccination and control of stray dogs; and reports a case history of a dog and child.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2980.

**The fight against the communicable diseases.**

MP, USPHS, 1950. 18 min, sd, color. Order no. 4-080. With film guide.

Describes the organization and activities of the Communicable Disease Center at Atlanta, Ga., its relationship with other U.S. Public Health Service activities, and its services to local and State health departments.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2260.

**Fight for the sky.**

MP, USAF, 1945. 20 min, sd, b&w. Order no. SFP 157-a.

A record of the operations of the fighter command of the U.S. 8th Air Force in preparing for the 1944 invasion of France and in supporting Allied ground forces. Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1439.

**The fight: Science against cancer.**

MP, USPHS and CNHW, 1951. 21 min, sd, b&w. Short version of 1950 film with the title, Challenge: Science against cancer. With teaching guide.

Traces the progress of cancer research in tissue culture, biochemistry, genetics, and specific therapy; and follows a case of skin cancer from diagnosis to cure.

Borrow from USPHS-NCI. Buy from IFB. LC card FIA 53-365.

**Fighter photo, eyes of the fleet.**

MP, USN, 1953. 26 min, sd, color. Order no. MN 7893.

Portrays a U.S. Navy pilot assigned to duty with a fighter photographic squadron, his training, and combat duties with a squadron operating in Korea.

Borrow from USN. Cleared for TV. LC card FIE 53-549.

**The fighting First.**

MP, USA, 1946. 15 min, sd, b&w. (Part of outfit series) Order no. MF 1279.

Shows scenes of combat operations of the 1st Infantry Division in eight campaigns and three invasions--attacks and counter-attacks on foot and in trucks and assault boats.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1613.

**A fighting lady speaks.**

MP, USN, 1950. 9 min, sd, b&w. Order no. MN 7283.

Dramatizes a typical day's activities of an aircraft carrier off the shores of Korea in 1950. Contains combat scenes of Navy planes, fighters and bombers, on missions over Korea.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1284.

**Fighting lady's family.**

MP, USN, 1950. 32 min, sd, b&w. Order no. MN 6739.

A progress report on the activities and achievements of the U.S. Navy since 1945, emphasizing particularly the growth of naval aviation.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1288.

**Fighting large fires in brush and grass.**

MP, USDA, 1947. 30 min, sd, color.

Demonstrates the techniques of fighting large grass and brush fires in the western United States.

Borrow from USFS. Buy from UWF. LC card FIE 52-598.



**Figures don't lie.**

MP, USA, 1945. 20 min, sd, b&w.  
Order no. TF 8-2101.

Presents a physical fitness program for the Women's Army Corps; stresses the importance of mental and emotional, as well as physical fitness.

Borrow from USA. Buy from UWF. LC card FIE 52-1530.

**Filariasis.**

FS, USPHS, 1947. 95 fr, color with disc: 16 in, 33 1/3 rpm, 21 min. Order no. 5-036.

Explains the necessity for further etiologic study of Bancroft's filariasis of the lymph-vascular system; the biology of the infection; the life cycle of *Wuchereria bancrofti* in human and mosquito hosts; and the diagnosis, treatment, and prevention of the disease.

Borrow from USPHS-CDC. LC card FIE 53-904.

**Filing.**

MP, USN, 1942. 15 min, sd, b&w. Order no. MN-159.

Describes the importance of files and filing in a machinist's work; shows filing techniques, and various types of files and file cuts.

Buy from UWF. LC card FIE 52-1017.

**Filing an internal irregular shape.**

MP, USOE, 1944. 27 min, sd, b&w. (Machine shop work series. Operations on the metal cutting band saw, no. 2) Order no. OE 240.

With instructor's manual. How to make file selection; set up a metal cutting band saw machine for filing; file a die; lay out a punch using a die as a template; file a punch; check the filing of a punch with a die; and fine-finish file.

Buy from UWF. LC card FIE 51-579.

**Filing an internal irregular shape.**

FS, USOE, 1944. 31 fr, b&w. (Machine shop work series. Operations on the metal cutting band

saw, no. 2) Order no. OE 240-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-87.

**Filing and installing chocks.**

MP, USOE, 1944. 15 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 3) Order no. OE 97. With instructor's manual.

How chocks are used in machinery installation; measurements made for preparing chocks; Prussian blue and chalk used for adjusting chocks; and foundation and chocks drilled for bolting machine.

Buy from UWF. LC card FIE 52-216.

**Filing and installing chocks.**

FS, USOE, 1944. 34 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 3) Order no. OE 97-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2696.

**Filing template metal.**

MP, USOE, 1943. 15 min, sd, b&w. (Aircraft work series. Templates, no. 5) Order no. OE 129. With instructor's manual.

How to file a square edge and remove burrs; rotate the wrist for filing inside curves; file inside rectangle; and remove fillets from corners.

Buy from UWF. LC card FIE 52-27.

**Filing template metal.**

FS, USOE, 1943. 39 fr, b&w. (Aircraft work series. Templates, no. 5) Order no. OE 129-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2521.

**Filleting and packaging fish. Part 1: Catching, filleting, and packaging fish.**

MP, USFWS, 1947. 14 min, sd, b&w.



Explains commercial fishing operations, including trawling, processing by filleting, packaging, and freezing of fish for shipment to markets.

Borrow from USFWS. Buy from UWF. LC card FIE 53-137.

**Filleting and packaging fish. Part 2: How to fillet fish.**

MP, USFWS, 1947. 10 min, sd, b&w. Through animation and live-action photography, explains the step-by-step procedures used in filleting both round and flat fish. Borrow from USFWS. Buy from UWF. LC card FIE 53-136.

**Film strip preparation.**

FS, USA, 1942. 78 fr, b&w. Order no. FS 11-3.

Explains recommended procedures for producing filmstrips, including preparation of the scenario, layout of frames, photography, and art work.

Borrow from USA. Buy from UWF. LC card FIE 52-2950.

**Film tactics.**

MP, USN, 1945. 22 min, sd, b&w. Order no. MN 3731.

Emphasizes through dramatized episodes how training films should and should not be used by Navy instructors and demonstrates the results of good and poor teaching.

Buy from UWF. LC card FIE 52-1337.

**Filtration plants.**

FS, USPHS, 1953. 59 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Small water treatment plants, no. 1) Order no. F 132-a. Shows and explains the operations of the mixing basin, settling basin, gravity sand filters, and chlorinator of a water treatment plant, and storage of water in a reservoir.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-700.

**Finding minutes.**

FS, USDA, 1943. 43 fr, single or double, b&w. Order no. 638. With lecture notes.

Explains ways in which time is wasted in farm homemaking; and shows methods of planning work routines.

Buy from PhotoLab. LC card FIE 52-2939.

**Fine grinding.**

MP, USOE, 1944. 15 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 183. With instructor's manual.

How to set up lenses in multiple spindle machine; adjust grinding machine for grinding concave or convex lenses; and wash and inspect lenses after fine grinding.

Buy from UWF. LC card FIE 52-382.

**Fine grinding.**

FS, USOE, 1944. 44 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 183-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2820.

**Fine grinding and polishing.**

MP, USN, 1944. 32 min, sd, b&w. (Optical craftsmanship series. Flat surfaces) Order no. MN 2449-k.

Illustrates techniques of fine grinding and polishing flat surfaces, including setting the molds, blocking and de-blocking, and scoring lathes to achieve different results in the finished product.

Buy from UWF. LC card FIE 52-1104.

**Fingerprint lifting.**

FS, USA, 1954. 62 fr, b&w. Order no. FS 19-10.

Explains three systems of fingerprints--plastic, visible, and latent--and shows techniques used in discovering and preserving such fingerprints at the scene of a crime.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-734.



**Fingerprinting and fingerprint examination.**

FS, USA, 1953. 69 fr, b&w. Order no. FS 19-9.

Shows how to take fingerprints, complete the fingerprint card, and recognize fingerprint patterns.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 55-501.

**Finish forming by hand.**

MP, USOE, 1943. 16 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 4) Order no. OE 135. With instructor's manual.

Successive stages of forming with a flat fibre strip; shrinking large wrinkles with a forming tool; marking excess metal with a surface gage; and checking finished work with a contour template. Buy from UWF. LC card FIE 52-19.

**Finish forming by hand.**

FS, USOE, 1943. 38 fr, b&w. (Aircraft work series. Forming sheet metal, no. 4) Order no. OE 135-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2517.

**Finishing and polishing.**

FS, USN, 1949. 44 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-1.

Shows the technique of finishing and polishing the denture after it has been removed from the flask. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1815.

**Finishing molded parts.**

MP, USOE, 1945. 14 min, sd, b&w. (Plastics series, no. 9) Order no. OE 474. With instructor's manual.

How to trim the gate; drum-sand the cable hole and gate; retap metal inserts; remove flash from

contours; and sand, buff, and polish the finished part.

Buy from UWF. LC card FIE 52-301.

**Finishing molded parts.**

FS, USOE, 1945. 42 fr, b&w. (Plastics series, no. 9) Order no. OE 474-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2758.

**Fire and water.**

MP, USOIAA, 1942. 10 min, sd, color. (Mexican fiestas series, no. 1)

The Lenten fiesta at Taxco; dancers of the True Cross performing typical dances; customs and dances accompanying the blessing of the headwaters of the River Lerma at Almaleya del Rio.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-88.

**Fire: Artillery action in Korea.**  
MP, USA, 1952. 14 min, sd, b&w. Order no. MF 7900. Listed in some catalogs as Field artillery action in Korea.

Story of the support given infantry troops in Korea by an artilleryman and his 105-millimeter howitzer which he affectionately calls "Joe."

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2070.

**Fire fighting for householders.**

MP, USFCDA, 1951. 3 min, sd, b&w; short version, 1 min.

Animated cartoon showing methods of preventing and fighting fires in the home. Prepared for television use.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FIE 53-620.

**Fire fighting, part 1.**

FS, USFCDA, 1953. 52 fr, b&w. Order no. STF 9.

Shows how to use a garden hose and various types of fire extinguishers in fighting small fires.



Buy from SVE. LC card F1E 55-518.

**Fire fighting, part 2.**  
FS, USFCDA, 1953. 52 fr, b&w.  
Order no. STF 10.

Shows how members of a fire-fighting team work together in bringing fires under control.

Buy from SVE. LC card F1E 55-519.

**Fire in the forest.**  
MP, USDA, 1951. 23 min, sd, color.

Shows how fuel, weather, and slope affect the behavior of forest fires.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card F1E 52-2154.

**Fire weather.**  
MP, USWB, 1936. 14 min, sd, b&w.

Explains how the U.S. Weather Bureau gathers forest-fire weather data and distributes warnings of fire hazards.

Borrow from USWB film libraries. Buy from UWF. LC card F1E 52-1394.

**Fireroom operation series**

Combustion control

Feed control

Fireroom operation: Auxiliaries

Fireroom operation: Preliminary and emergency fireroom operation: Securing

Lighting off

Superheat control

**Fireroom operation: Auxiliaries.**

MP, USN, 1944. 23 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-c.

Shows the operations involved in starting steam turbine-driven pumps, placing oil cooler in operation, and securing a centrifugal pump.

Buy from UWF. LC card F1E 52-1180.

**Fireroom operation: Preliminary and emergency.**

MP, USN, 1944. 12 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-g.

Shows the preliminary and check-up steps in lighting-off a cold boiler with no available steam supply, and emergency measures which may be used.

Buy from UWF. LC card F1E 52-1187.

**Fireroom operation: Securing.**  
MP, USN, 1944. 15 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-b,

Demonstrates the operations involved in securing the main steam stop, saturated burners, fuel-oil pump, and fuel-oil valve.

Buy from UWF. LC card F1E 52-1186.

**First aid series**

Artificial respiration

The body, part 1

The body, part 2

Burns

Common emergencies

Dressings and bandages, part 1

Dressings and bandages, part 2

First aid for survivors, part 1

Fractures, part 1

Fractures, part 2

Fractures, part 3

Minor injuries

Moving the injured, part 1

Moving the injured, part 2

Poison

Purpose of first aid

Shock, physical

Unconsciousness

Wounds, part 1

Wounds, part 2

**First aid.**

MP, USN, 1945. 6 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-b.

Animated cartoon in which "Mac Gillicuddy" scorns the study of first aid, then realizes its importance following a serious accident to his comrade.

Borrow from USN-BuMed. Buy from UWF. LC card F1E 52-1169.

**First aid for survivors, part 1.**

FS, USN, 1942. 117 fr, b&w with disc: 16 in, 33 1/3 rpm, 20 min. (First aid series) Order no. SN 225-b.

Shows how to care for persons



suffering from concussion, injury, extreme thirst, starvation, famine, edema, frostbite, sunburn, eye inflammation, and mental disturbances.

Borrow from USN-BuMed. LC card FIE 54-742.

**First aid in the prevention of shock.**

MP, USA, 1950. 26 min, sd, b&w. Order no. TF 8-1659.

Demonstrates proper and improper methods of handling shock.

Borrow from USA, USAF or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-1527.

**First aid. Part 1: Major wounds, fractures, and burns.**

MP, USA, 1950. 38 min, sd, b&w. Order no. TF 8-1571.

Explains the responsibility of soldiers to be able to give first aid to their wounded comrades until medical aid is available, and demonstrates how to stop bleeding, protect the wound from infection, splint a fracture, and treat for shock.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 54-80.

**First aid. Part 2: Everyday emergencies.**

MP, USA, 1951. 33 min, sd, b&w. Order no. TF 8-1581.

Describes first aid measures for poisoning, snake bites, scratches, blisters, fainting, foreign objects in the eye, and other minor illnesses and injuries.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 54-239.

**First flight, part 1.**

MP, USN, 1946. 14 min, sd, b&w. (Primary flight training series) Order no. MN 3474-d.

Shows how the control surfaces affect the behavior of the plane, and how the ailerons and stabilizer are used in flying; demonstrates the primary principles of flight.

Borrow from USCAA film libraries. LC card FIE 54-306.

**First flight, part 2.**

MP, USN, 1946. 13 min, sd, b&w. (Primary flight training series) Order no. MN 3474-e.

Discusses the use of trim tabs in flight, the importance of 210 degree vision to the pilot, learning to listen to the engine to tell by sound how the plane is reacting, use of the rudder to facilitate entry, and recovery from turning practice.

Borrow from USCAA film libraries. LC card FIE 54-307.

**The first forty days.**

MP, USA, 1950. 24 min, sd, b&w. Order no. MF 7761.

Presents the first 40 days of American combat in Korea, arrival of troops, unloading of supplies and equipment, combat scenes of Generals Walker and Dean, arrival of replacements, combat scenes at Taejon, blowing up bridges, and establishing defense lines.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1631.

**First impressions.**

MP, USN, 1942. 21 min, sd, b&w. Order no. MN 1374.

Emphasizes the importance of first impressions, and demonstrates step-by-step a technique of introducing a new employee to the job.

Buy from UWF. LC card FIE 52-1026.

**First lessons in beekeeping.**

FS, USDA, 1941. 45 fr, b&w. Order no. 346. With lecture notes. Shows standard equipment for and practical methods of handling bees in the production of honey for home use.

Buy from PhotoLab. LC card FIE 52-2882.

**First things first.**

FS, USDA, 1943. 25 fr, b&w. Order no. 640. With lecture notes.



Shows how to control erosion by means of contouring on land of gentle slopes and by grassed waterways on steeper slopes. Buy from PhotoLab. LC card FiE 52-2863.

**Fish passage on the Columbia River.**

MP, USA-Eng, 1952. 20 min, sd, color.

Tells the story of salmon migration up the Columbia River, across the fishways at Bonneville Dam and McNary Dam, up the Snake River to the lower reaches of Hell's Canyon, and finally spawning on the Imnaha River in the Oregon Blue Mountain region. Borrow from USA-Eng. Cleared for TV. LC card FiE 53-228.

**The fit of a man's suit.**

FS, USDA, 1954. 30 double fr, b&w. Order no. 709. With lecture notes.

Explains factors to be considered in judging the fit of a man's suit. Buy from PhotoLab. LC card FiE 54-747.

**Fitting and installing a section of pipe aboard ship.**

MP, USN, 1944. 20 min, sd, b&w. (Shipbuilding skills series. Pipefitting) Order no. MN 2337-d. How to apply flanges, insert bolts, install pipe hangers, weld a fitted template, apply same principles to wooden and mechanical templates, and set up and install female template aboard ship.

Buy from UWF. LC card FiE 52-1192.

**Fitting and installing a section of piping aboard ship.**

FS, USN, 1944. 66 fr, b&w. (Shipbuilding skills series. Pipefitting) Supplements motion picture with the title: Fitting and installing a section of pipe aboard ship.

Buy from UWF. LC card FiE 52-1789.

**Fitting and installing packing:**

MP, USN, 1944. 9 min, sd, b&w. (Shipbuilding skills series. Preparation for stern launching) Order no. MN 2341-b.

How to fit and install packing in the center section of the cradle to support weight where ship is nearly flat.

Buy from UWF. LC card FiE 52-1236.

**Fitting and scraping small bearings.**

MP, USOE, 1942. 24 min, sd, b&w. (Machine shop work series. Bench work, no. 3) Order no. OE 36. With instructor's manual.

How to scrape split bearings for shaft fit and alignment; "relieve" a split bearing to aid lubrication; and cut oil grooves in the cap of a split bearing.

Buy from UWF. LC card FiE 51-531.

**Fitting and scraping small bearings.**

FS, USOE, 1943. 50 fr, b&w. (Machine shop work series. Bench work, no. 3) Order no. OE 36-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-47.

**Fitting dresses.**

FS, USDA, 1950. 31 double fr, color. Order no. C-13.

Explains how to make simple alterations and correct the more common dress-fitting problems.

Buy from PhotoLab. LC card FiE 53-849.

**Fitting tube, shaft, and propeller.**

MP, USOE, 1944. 29 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4) Order no. OE 342. With instructor's manual.

How the stern tube and tail shaft are installed; how the propeller is swung into position and lined up; how the fairwater cap and rope guard are installed; and how the tail-shaft assembly is secured for launching.

Buy from UWF. LC card FiE 52-232.



**Fitting tube, shaft, and propeller.**

FS, USOE, 1944. 58 fr, b&w.  
(Shipbuilding skills series. Marine machinery installation, no. 9. Laying out and installing stern tube, tail shaft, and propeller, no. 4) Order no. OE 324-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2720.

**Five bandits of the cotton crop.**

MP, USDA, 1948. 11 min, sd, color.

Emphasizes losses from destructive insects, and shows characteristics of the boll weevil, bollworm, flea hopper, cotton leafworm, and cotton aphid.

Rent from USDA film libraries.

Withdrawn from sale in 1954.  
LC card FIE 52-399

**Fixed bridge construction and repair in the CBI.**

MP, USA, 1945. 11 min, sd, b&w.  
Order no. FB 192.

Shows how U.S. Army engineers built and repaired fixed bridges in the China-Burma-India theater of operations during World War II.

Borrow from USA. Buy from UWF. LC card FIE 52-1675.

**Fixed gages.**

MP, USOE, 1941, 17 min, sd, b&w.  
(Machine shop work series. Precision measurement no. 3) Order no. USOE 3. With instructor's manual.

Types and uses of gages for precision measurement--snap, ring, plug, taper plug, taper ring, flush pin, and screw plug gages.

Buy from UWF. LC card FIE 51-5.

**Fixed gages.**

FS, USOE, 1943. 35 fr, b&w.  
(Machine shop work series. Precision measurement, no. 3) Order no. OE 3-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-6.

**Flame spraying of thiokol.**

MP, USN, 1954. 22 min, sd, color.  
Order no. MN 7976.

Shows the equipment used in flame spraying of thiokol, preparation of the surfaces, the proper technique for spraying, and various test procedures.

Buy from UWF. LC card FIE 54-289.

**Flasking.**

FS, USN, 1949. 62 fr, color with disc: 16 in, 33 1/3 rpm, 15 min.  
(Dental prosthetic laboratory techniques series) Order no. SN 5372-f.

Illustrates the technique of "flasking" a waxed-up denture in a plaster or artificial stone to make a two-piece mold. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1812.

**Flasking of partial dentures.**

FS, USN, 1949. 33 fr, color with disc: 16 in, 33 1/3 rpm, 10 min.  
(Dental prosthetic laboratory techniques series) Order no. SN 5372-1.

Describes methods used in "flasking" a partial denture, with particular emphasis on accommodating the metal framework. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1818.

**Flat hatting.**

MP, USN, 1946. 5 min, sd, b&w.  
(Flight safety series) Order no. MN 4353-d.

An animated cartoon characterizing the habit of flat hatting as childish behavior which endangers life and property and brings disaster to the pilot in the form of a court martial and discharge from the Navy.

Borrow from USCAA film libraries. LC card FIE 54-266.

**The fleet that came to stay.**

MP, USN, 1945. 22 min, sd, b&w.  
Order no. MN 5802.

Explains the invasion of Okinawa from U.S. Navy point of view and illustrates the operation by scenes of the combat.



Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1358.

**Flight control systems.**

FS, USN, 1943. 49 fr, b&w. Order no. SN 1997.

Demonstrates operation of simple wire control system using stick and rubber pedals; torque tube systems; combinations of torque tubes and wires; push-pull tubes; and wheel control in aircraft construction.

Buy from UWF. LC card FIE 52-1772.

**Flight instruments.**

FS, USN, 1942. 91 fr, b&w. Order no. SN 806.

Explains the operation of instruments relating to flight, their basic construction, common causes of faulty readings, and compensations required for altitude and temperature factors. Borrow from USCAA film libraries. LC card FIE 54-775.

**Flight path precision.**

MP, USN, 1946. 21 min, sd, b&w. (Primary flight training series) Order no. MN 3474-r.

Shows procedure for circling, flying pylons, and for landing and taking off from a small field.

Borrow from USCAA film libraries. LC card FIE 54-308.

**Flight safety series.**

Bailing out

Disorientation crashes

Emergency landing on land

Flat hatting

Hazards in ground operation of jet aircraft

Landing accidents

Taxing collisions

**Flight through instruments: Basic instrument flying.**

MP, USN, 1951. 24 min, sd, b&w. Order no. MN 6773-a.

Shows a pilot how to use the instrument panel as a lens or window through which he "sees" the airplane in its relation to the three dimensions in which it tra-

vels. Illustrates the instruments that are now standard equipment in modern planes and explains how to use them.

Buy from UWF. Cleared for TV. LC card FIE 54-261.

**Flight through instruments: Enroute procedures.**

MP, USN, 1953. 25 min, sd, b&w. Order no. MN 6773-b.

A narrative treatment of three IFR (instrument flight rules) flights converging on Los Angeles International Airport during instrument conditions. Designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic control center, and approach control. Emphasis is placed on holding, radio failure, and missed approach.

Buy from UWF. Cleared for TV. LC card FIE 54-262.

**Flight through instruments: Terminal procedures.**

MP, USN, 1953. 21 min, sd, b&w. Order no. MN 6773-c.

A narrative treatment of an IFR (instrument flight rules) flight in a Navy plane from Corpus Christi to Litchfield Park designed to familiarize the naval aviator with CAA instrument flight rules, the air route traffic center, and approach control. Emphasis is placed on pre-flight action, air traffic clearance, on airways IFR flight, and canceling IFR flight.

Buy from UWF. Cleared for TV. LC card FIE 54-263.

**Floating drydocks: Careening the YFD-6.**

MP, USN, 1946. 17 min, sd, b&w. Order no. MN 9042.

Shows the method of tipping an 18,000 ton yard floating dock on its beam to provide passage through the Panama Canal, and explains the need for this type of careening where docks have a wider beam than the width of the canal.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2131.



**Floating drydocks series.**

The ABD: Wing raising by the floatation method

The combat dock: ABD mechanical wing wall raising

The combat dock: ABSD, addition of section and crane transfer

The combat dock: Mooring the ABSD-1

The combat dock: Principles of construction and operation

The combat dock: Self docking the YFD; construction and operation of the ARD

Combat docking

**Floating fortress.**

MP, USN, 1952. 14 min, sd, b&w.  
Order no. MN 7834.

Portrays a day's activities aboard a U.S. battleship off the coast of Korea, including bombardment of enemy positions along the shore, and living conditions and habits of officers and crew.

Borrow from USN. Cleared for TV. LC card FIE 53-251.

**Flood.**

MP, USDA, 1946. 8 min, sd, b&w.  
Shows the results of floods, and emphasizes the importance of conservation methods on small watersheds--sodding, terracing, contour farming, mulching, farm ponds, detention dams, etc.

Rent from USDA film libraries. Withdrawn from sale 1954. LC card FIE 52-404.

**Flood fight.**

MP, USA-Eng, 1950. 26 min, sd, b&w.

Demonstrates various procedures and techniques used in fighting floods. Primarily for the training of flood fighting personnel.

Borrow from USA-Eng. LC card FIE 52-2003.

**Flood weather.**

MP, USWB, 1937. 31 min, sd, b&w.

Explains weather forecasting for river navigation and flood protection. Includes scenes of the

Potomac flood, 1936, and the Ohio flood, 1937.

Borrow from USWB film libraries. Buy from UWF. LC card FIE 52-1395.

**Floor molding series.**

See Foundry practice series. Floor molding.

The flow process chart and how to use it.

MP, USOSRD, 1945. 15 min, sd, color.

Shows the use of a flow process chart in the study and application of work simplification, the meaning of the symbols used on such a chart, and the use of the chart in analyzing the relatively simple job of shaving.

Buy from UWF. LC card FIE 53-4.

**Flower gardens.**

FS, USDA, 1938. 64 fr, b&w.  
Order no. 500. With lecture notes.  
Scenes of formal, informal, and special gardens.

Withdrawn from active circulation in 1952. LC card FIE 52-2901.

**Flue gas analysis (Orsat apparatus).**

MP, USOE, 1944. 19 min, sd, b&w.  
(Engineering series) Order no. OE 367. With instructor's manual.  
How to set up the Orsat gas analyzer; collect an air-free sample of flue gas; absorb and measure the amounts of carbon dioxide, oxygen, and carbon monoxide in the sample; and calculate the amount of nitrogen.

Buy from UWF. LC card FIE 52-169.

**Flue gas analysis (Orsat apparatus).**

FS, USOE, 1944. 43 fr, b&w.  
(Engineering series) Order no. OE 367-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2633.

**The fluid coupling, principles of operation.**

MP, USA, 1954. 13 min, sd, b&w.  
(Hydraulic transmission series) Order no. TF 9-1953. Re-



vision of 1943 film with the title, Theory and principles of operation, fluid coupling and gear train. Explains the fluid coupling, its component parts, and operation. Borrow from USA. Buy from UWF. LC card FIE 55-203.

**Fluid flow in hydraulic systems.**  
MP, USN, 1944. 9 min, sd, color. Order no. MN 5027-b.

Explains the nature of liquids, types of flow, causes of types of flow, and flow through pipes and orifices.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1296.

#### **Fluoridation.**

MP, USPHS, 1952. 5 min, sd, color or b&w.

Describes the research on which fluoridation is based, the benefits obtained by adding fluoride to community water supplies, and the method of adding fluoride. Uses the filmograph technique.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FIE 52-2176.

#### **Fluoridation story.**

MP, USPHS, 1951. 3 min, sd, color or b&w.

Explains that communities can reduce tooth decay by adding sodium fluoride to the water supply, and emphasizes the economy and simplicity of doing so. Uses the filmograph technique.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FIE 52-2177.

#### **Fly control through basic sanitation.**

MP, USPHS, 1950. 9 min, sd, color. (Community fly control series) Order no. 4-090.

Shows conditions which favor fly breeding in a community--filth, warmth, moisture, and time for development; and outlines specific procedures in urban and rural areas for basic sanitation programs, particularly the elimination of open garbage and refuse dumps.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-198.

#### **Fly density surveys by the grill method.**

MP, USPHS, 1949. 4 min, sd, color. (Community fly control series) Order no. 4-086. With film guide.

Explains the nature, construction, and use of the fly grill for measuring fly density.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2250.

#### **Fly density surveys by the grill method.**

FS, USPHS, 1949. 28 fr, color. (Community fly control series) Order no. 5-133.

Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. LC card FIE 52-2981.

#### **Fly high and live with oxygen equipment.**

MP, USN, 1944. 26 min, sd, b&w. Order no. MN 2860.

Shows when and how to use the diluter demand oxygen equipment, operation of the system, and safety features of the equipment.

Borrow from USCAA film libraries or USN-B Med. Buy from UWF. LC card FIE 52-1127.

#### **Flying follies.**

MP, USAF, 1945. 30 min, sd, b&w. Order no. TF 1-4038.

Shows how aircraft accidents occur and illustrates measures to be taken to avoid such accidents. Borrow from USAF. Cleared for TV. LC card FIE 55-110.

#### **Flying sense.**

MP, USN, 1945. 25 min, sd, b&w. (Primary flight training series) Order no. MN 3474-a.

Stresses the relative simplicity of flying by showing the similarities between flying and a student's past achievements in riding a bicycle or driving an automobile.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1162.



**Flying the weather map.**

MP, USN, 1944. 27 min, sd, color.  
(Aerology series) Order no. MN  
119-h.

Shows observers determining weather conditions. Illustrates the features of a weather map and shows various fronts represented by colored lines. Explains symbols indicating precipitation areas, thunderstorms, rain showers, air masses, and pressure areas.

Borrow from USCAA film libraries. Withdrawn from sale in 1950.  
LC card FIE 53-255.

**Flying the weather map: The equatorial front.**

MP, USN, 1944. 12 min, sd, b&w.  
Order no. MN 3112-c.

Discusses the equatorial weather front--the area it covers, how it is caused, how the clouds look, where and when it changes (seasonal, daily, hourly), and how to calculate changes. Explains how to fly the equatorial front. Points out that up-to-date information about the equatorial front depends on data which pilots bring back from trips.

Borrow from USCAA film libraries. LC card FIE 54-268.

**Flying the weather map: The howgozit chart.**

MP, USN, 1944. 13 min, sd, color.  
Order no. MN 3112-b.

Explains the purpose of the "howgozit" chart and shows how a Navy flight control officer plots the expected fuel consumption and the navigator checks consumption during flight.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1129.

**Flying the weather map: Weather for the navigator.**

MP, USN, 1944. 9 min, sd, b&w.  
Order no. MN 3112-a. Known also as weather for the navigator.

Illustrates the assistance rendered to navigators by the radio which has made each navigator a member of a vast network of observers, each sending his own

limited observations to professional forecasters at weather centrals.

Borrow from USCAA film libraries. LC card FIE 54-269.

**Flywheel clutch and starting engine clutch.**

MP, USA, 1953. 8 min, sd, b&w.  
(Operator's adjustments, D-7 tractor, no. 3) Order no. TF 5-1828.

Explains methods of detecting and adjusting malfunctioning of the flywheel clutch and the starting engine clutch.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-544.

**Fog.**

MP, USN, 1943. 25 min, sd, color.  
(Aerology series) Order no. MN 119-b.

Discusses the theory of fog formation and the characteristics and conditions conducive to fog.

Borrow from USCAA film libraries. Withdrawn from sale in 1950.  
LC card FIE 53-258.

**Fog and low stratus clouds.**

MP, USN, 1952. 10 min, sd, color.  
(Aerology series) Order no. MN 7304-a.

Explains upslope fog, frontal system fogs, and the formation of low stratus clouds as aviation hazards.

Buy from UWF. Cleared for TV.  
LC card FIE 55-33.

**Follow me.**

MP, US Defense, 1953. 21 min, sd, b&w. Order no. RTAF 150.

Explains and illustrates the functions and operations of the U.S. Army Infantry School at Fort Benning, Ga.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-628.

**Fontana Dam.**

MP, TVA, 1947. 21 min, sd, color.  
Record of engineering processes used in construction of Fontana Dam across the Little Tennessee River in the Great Smoky Moun-



tains of North Carolina. Primarily for technical use.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FIE 52-1635.

**Food and soil.**

MP, USDA, 1945. 11 min, sd, color.

Highlights of soil conservation with emphasis upon the relationship between productive soil and food supply.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-405.

**Food facts and figures.**

FS, USDA, 1953. 80 double fr, color. Order no. C-28.

Explains the changes in diets and food consumption of the American people during the last 15 years and the resultant changes in American farming practices.

Buy from PhotoLab. LC card FIE 53-1051.

**Food for fighters.**

MP, USOWI, 1943. 10 min, sd, b&w.

Explains how the U.S. Army fed millions of soldiers during World War II and why civilians experienced some food shortages.

Buy from UWF. LC card FIE 52-763.

**Food for thought.**

MP, USFWS, 1950. 15 min, sd, color.

Illustrates planning, purchasing, cooking, displaying, and serving techniques used in a school lunch program.

Borrow from USFWS. Buy from UWF. Cleared for TV but advance approval required. LC card FIE 52-2182.

**Food for thought.**

MP, US Defense, 1947. 8 min, sd, b&w. Order no. AFSR 88. On same reel with film, No place like home.

Explains the importance of food conservation by soldiers.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1642.

**Food handling series.**

Basic principles of kitchen layouts

Food preparation

Kitchen habits

An outbreak of Salmonella infection

**Food handling series, nos. 1-2.**

Basic principles of refrigeration  
Refrigerated food storage principles

Structural standards for restaurants

**Food inspection: Oysters.**

FS, USA, 1954. 62 fr, color, with disc: 16 in, 33 1/3 rpm, 15 min. Order no. SFS 8-208.

Describes what happens to an Armed Forces purchase of oysters from the time that the oysters are delivered to an oyster processing plant to their acceptance at a military installation.

Buy from UWF. LC card FIE 54-803.

**Food marketing education for consumers.**

FS, USDA, 1951. 21 fr, b&w. Order no. 695. With lecture notes. Shows methods used--publications, press, posters, radio, etc.--by the New England Extension Services in providing food marketing information for consumers.

Buy from PhotoLab. LC card FIE 53-1032.

**Food preparation.**

MP, USPHS, 1954. 13 min, sd, color. (Food handling series)  
Order no. M 148-d.

Portrays cooking operations in preparing a typical meal in a medium-sized restaurant and emphasizes the important sanitary precautions taken by the kitchen personnel in the preparation and handling of the food.

Borrow from USPHS-CDO. Buy from UWF. LC card FIE 54-140.



**Food preservation series.**

See Farm work series. Food preservation.

**Food sanitation aboard ship.**

MP, USN, 1952. 12 min, sd, b&w.  
Order no. MN 6950.

Portrays an actual food poisoning outbreak aboard ship and its effect. Points out that carelessness on the part of the food handlers can contaminate food even in a clean galley.

Borrow from USN or USN-Bu-Med. LC card FIE 54-141.

**Food sanitation. Part 1: Construction of building.**

FS, USPHS, 1954. 34 fr, color.  
Order no. F 148-k(1). Issued also as a set of 2 x 2 in. slides.

Illustrates various degrees of acceptability and non-acceptability of restaurant construction according to U.S. Public Health Service sanitation standards for eating and drinking establishments.

Borrow from USPHS-CDC. LC card FIE 55-505.

**Food sanitation. Part 2: Utensils and equipment.**

FS, USPHS, 1954. 36 fr, color.  
Order no. F 148-k(2). Issued also as a set of 2 x 2 in. slides.

Illustrates various degrees of acceptability and non-acceptability of utensils and equipment for restaurants according to U.S. Public Health Service sanitation standards for eating and drinking establishments.

Borrow from USPHS-CDC. LC card FIE 55-506.

**Food sanitation. Part 3: Washing and storage.**

FS, USPHS, 1954. 65 fr, color.  
Order no. F 148-k(3). Issued also as a set of 2 x 2 in. slides.

Illustrates various degrees of acceptability and non-acceptability of washing and storage procedures for restaurants according to U.S. Public Health Service sanitation standards for eating and drinking establishments

Borrow from USPHS-CDC. LC card FIE 55-507.

**Food sanitation. Part 4: Refrigeration and food handling.**

FS, USPHS, 1954. 48 fr, color.  
Order no. F 148-k(4). Issued also as a set of 2 x 2 in. slides.

Illustrates various degrees of acceptability and non-acceptability of methods of food refrigeration and food handling according to U.S. Public Health Service sanitation standards for eating and drinking establishments.

Borrow from USPHS-CDC. LC card FIE 55-508.

**Food service activities.**

MP, USA, 1948. 8 min, sd, b&w.  
Order no. MF 7532.

Shows how the Quartermaster Corps tests new equipment and trains bakers, cooks, and other food service personnel at food service schools.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1619.

**Food storage.**

MP, USA, 1949. 12 min, sd, b&w.  
(The stowaway series, no. 3)  
Order no. TF 8-1503.

Depicts the careful inspection of food by the U.S. Army Veterinary Corps, the Bureau of Animal Industry, and the Port Food Service Inspector before procurement and use aboard troop transports; and shows facilities for food storage and preservation of food.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-1522.

**For a bright home life.**

MP, USA-CAD, 1950. 26 min, sd, b&w.

Portrays projects undertaken by two Japanese schoolgirls enrolled in a domestic science class in Japan in order to modernize the kitchens in their rural homes. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. LC card FIE 52-1953.



**For health and happiness.**

MP, USDA, 1941. 11 min, sd, color.

Illustrates the signs of health, growth, and good nutrition in children, and shows the foods making up the diets of healthy, happy children.

Rent from USDA film libraries.

Withdrawn from sale in 1954.

LC card FIE 52-487.

**For health and happiness.**

MP, USDA, 1941. 11 min, si at sd speed, color.

Same content as in preceding film.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-486.

**For which we stand series.**

The golden moment  
To be held in honor

**For years to come.**

MP, USDA, 1944. 22 min, sd, color.

Portrays the work of a farmer and his family during a year in which they changed over from straight-row farming to modern conservation methods. Includes scenes of a farm.

Rent from USDA film libraries.

Withdrawn from sale in 1953.

LC card FIE 52-410.

**Forced down at sea.**

MP, USN, 1943. 24 min, sd, b&w.  
Order no. MN 1329.

Demonstrates types of rubber life rafts and lists the emergency items stowed in them. Explains how to inflate and enter the raft and make use of the articles stores in the pockets.

Borrow from USN Bu-Med. LC card FIE 54-294.

**Forced landings.**

FS, USAF, 1942. 71 fr, b&w.  
Order no. FS 1-11.

Reviews common causes of forced landings, and explains procedures to be followed in making forced landings under various conditions.

Borrow from USCAA film libraries. LC card FIE 53-1027.

**Forces in flight.**

FS, USN, 1942. 72 fr, b&w. Order no. SN 807.

Explains the aerodynamic forces acting on the wing in relation to control surfaces and center of gravity.

Borrow from USCAA film libraries. Withdrawn from sale in 1947. LC card FIE 54-776.

**Fore poppets and internal shoring construction.**

MP, USN, 1944. 26 min, b&w. (Shipbuilding skills series. Preparation for stern launching) Order no. MN 2341-a.

Demonstrates the construction of fore poppet and internal shoring, installation of sling plates, crushing blocks and strips, packing timbers, angle brackets, and all sections of internal shoring; and explains the importance of snug fit for proper support.

Buy from UWF. LC card FIE 52-1237.

**Fore poppets and internal shoring construction.**

FS, USN, 1945. 75 fr, b&w. (Shipbuilding skills series. Preparation for stern launching) Order no. SN 2341-m.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-1796.

**Foreign bodies in the lung and mediastinum.**

MP, USA, 1946. 30 min, sd, color. (Thoracic surgery series, no. 2) Order no. PMF 5017.

Presents problems associated with diagnosis, surgical planning, and surgery, and with the post-operative care of the patient. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2222.

**Foreign bodies in the pericardium and heart.**

MP, USA, 1946. 50 min, sd, color. (Thoracic surgery series, no. 3) Order no. PMF 5018.

Describes the diagnostic planning, surgical procedures, and postoperative techniques involved



in removing foreign bodies from the pericardium and the heart. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2223.

**Forest fire fighting in the South.** MP, USDA, 1945. 41 min, sd, color.

Shows types, and uses of fire tools, and demonstrates proper tactics for forest fire fighting in the South.

Borrow from USFS. Buy from UWF. LC card FIE 52-597.

**Forest road maintenance.** MP, USDA, 1948. 27 min, sd, color.

Training film for road maintenance personnel showing the results of common mistakes in road maintenance and, in contrast, the proper methods of such maintenance.

Borrow from USFS. Buy from UWF. LC card FIE 52-379.

**Forest smokechaser.**

MP, USDA, 1948. 27 min, sd, color.

Shows how a fire lookout or "smokechaser" in the western part of the United States handles a small lightning fire from spotting to final clean-up.

Borrow from USFS. Buy from UWF. LC card FIE 52-599.

**Forestry and human welfare.**

FS, USDA, 1938. 59 fr, b&w. Order no. 506. With lecture notes.

Shows how forests contribute to the grazing of livestock, protection of game, conservation of water supply, and provision of recreational facilities.

Buy from PhotoLab. LC card FIE 52-2895.

**Forge welding.**

MP, USOE, 1945. 12 min, sd, b&w. (Farm work series. Forging, no. 2) Order no. OE 192. With instructor's manual.

How to maintain a clean, deep, hot fire; heat mild steel for forging; upset and scarf round stock; make a lap weld; and shape

and hammer, refine the weld.

Buy from UWF. LC card FIE 52-303.

**Forge welding.**

FS, USOE, 1945. 26 fr, b&w. (Farm work series. Forging, no. 2) Order no. OE 192-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2760.

**Forging series.**

See Farm work series. Forging.

**Forging with a hand forge.**

MP, USOE, 1945. 13 min, sd, b&w. (Farm work series. Forging, no. 1) Order no. OE 191. With instructor's manual.

How to clean the tuyere and build an open fire in a forge; lay out and mark the stock; heat mild steel for forging; and forge an eye.

Buy from UWF. LC card FIE 52-288.

**Forging with a hand forge.**

FS, USOE, 1945. 48 fr, b&w. (Farm work series. Forging, no. 1) Order no. OE 191-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2746.

**The fork truck.**

See Navy materials handling: The fork truck.

**Form blocks and forming.**

FS, USN, 1942. 67 fr, b&w. Order no. SN 1037.

Shows how to shape metal with forming blocks and how to use dies for flanging, making hollows, and forming joggles.

Buy from UWF. LC card FIE 52-1885.

**The formation of character.**

FS, USA, 1951. 50 fr, color. (The character guidance program series. The chaplain's hour.) Order no. FS 16-14.



Explains that selflessness, loyalty to God, and good habits help form one's character. Prepared for use by army chaplains.  
Buy from UWF. LC card FIE 52-2964.

**Forming on a hand operated brake.**

MP, USOE, 1944. 17 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 3) Order no. OE 134. With instructor's manual.  
How to set up the brake for bend angle and bend radius; operate the brake; check test pieces and finished work.  
Buy from UWF. LC card FIE 52-18.

**Forming on a hand operated brake.**

FS, USOE, 1944. 51 fr, b&w. (Aircraft work series. Forming sheet metal, no. 3) Order no. OE 134-fs.  
Supplements motion picture with the same title.  
Buy from UWF. LC card FIE 52-2516.

**Forming on rotary machines.**

MP, USOE, 1945. 17 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 2) Order no. OE 290. With instructor's manual.  
How to form sheet-metal parts on the slip-roll machine and on the beading-roll machine.  
Buy from UWF. LC card FIE 52-94.

**Forming on rotary machines.**

FS, USOE, 1945. 38 fr, b&w. (Aircraft work series. Forming sheet metal, no. 2) Order no. OE 290-fs.  
Supplements motion picture with the same title.  
Buy from UWF. LC card FIE 52-2602.

**Forming on the stretching machine.**

MP, USOE, 1945. 17 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 6)

Order no. OE 251. With instructor's manual

How to form a skin panel on the stretch press; set up the machine; make necessary adjustments for a production run; and handle the run.

Buy from UWF. LC card FIE 52-95.

**Forming on the stretching machine.**

FS, USOE, 1945. 36 fr, b&w. (Aircraft work series. Forming sheet metal, no. 6) Order no. OE 251-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2601.

**Forming outside and inside flanges.**

FS, USN, 1942. 51 fr, b&w. Order no. SN 295.

Shows the making of an aluminum station frame, including making wood form blocks, laying out the frame, and bending flanges; and explains the shrinking and stretching of metals.

Withdrawn from sale in 1954. LC card FIE 52-1863.

**Forming with a drop hammer.**

MP, USOE, 1945. 17 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 5) Order no. OE 291. With instructor's manual.

Purpose of drop hammer forming; how to operate the pneumatic hammer; set up the punch and die; handle a production run on a single-hit job; and use draw rings on a deep-draw job.

Buy from UWF. LC card FIE 52-93.

**Forming with a drop hammer.**

FS, USOE, 1945. 41 fr, b&w. (Aircraft work series. Forming sheet metal, no. 5) Order no. OE 291-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2603.



**Forming with rubber on the hydraulic press.**

MP, USOE, 1944. 11 min, sd, b&w. (Aircraft work series. Forming sheet metal, no. 1) Order no. OE 133. With instructor's manual.

How sheet metal parts are formed with rubber on a hydraulic press; how to set up the work, and operate the press.

Buy from UWF. LC card FIE 52-29.

**Forming with rubber on the hydraulic press.**

FS, USOE, 1944. 37 fr, b&w. (Aircraft work series. Forming sheet metal, no. 1) Order no. OE 133-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2524.

**Formosa.**

MP, US Defense, 1952. 14 min, sd, b&w. Order no. AFIF 30.

Explains the historical background and the current social, economic, and military status of Formosa, including its significance in world affairs.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-654.

**Foundation explorations.**

MP, USA-Eng, 1951. 16 min, sd, color.

Shows conventional small-diameter and large-diameter drilling of core holes at a table rock dam site.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1995.

**Foundations and concrete.**

MP, USN, 1950. 26 min, sd, b&w. (Building techniques series) Order no. MN 6719-a.

Presents a brief overview of building foundations, usually made of concrete; and mentions variables which determine type of foundation to be used.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1258.

**Foundry practice series. Bench molding, nos. 1-5**

Molding with a loose pattern

Making a simple core

Molding part having a vertical core

Molding with a split pattern

Molding with a gated pattern

**Foundry practice series. Floor molding, nos. 1-5**

Molding with a loose pattern (floor)

Molding part with deep green sand core

Molding a valve body

Molding a horizontal cored part

Molding with a three part flask

**Foundry practice series. Machine molding**

Molding on a jolt roll-over pattern draw machine

Molding on a jolt squeeze machine

**Foundry work series. Melting practice**

Charging and operating a cupola

Preparing a cupola for charging

**Four experiments in hydraulics.**

MP, USNBS, 1953. 16 min, sd, color.

Describes and illustrates four hydraulics experiments, namely, a laboratory study of the causes of wave energy dissipation; a study of the forward motion of a wave caused by the breaking of a dam; an investigation of turbulent diffusion of momentum, heat, and salinity in a submerged liquid jet; and an experiment showing how density currents are reproduced for study in the laboratory. For groups interested in hydraulics research.

Borrow and buy from USNBS. LC card FIE 55-53.

**4-H Club work in the U. S. A.**

FS, USDA, 1952. 52 fr, single or double, b&w. Order no. 698. With lecture notes.

Shows examples of 4-H Club activities throughout the United States.

Buy from PhotoLab. LC card FIE 53-1034.



**The four steps.**

FS, USA, 1944. 78 fr, b&w, with disc: 16 in, 33 1/3 rpm, 15 min. (On-the-job supervision series, no. 4) Order no. SFS 80-5.

Presents a four point system for instructing new employees: prepare the worker, present the operation, try out performance, and follow up. Dramatizes each point.

Borrow from USA. Buy from UWF. LC card FiE 53-8

**The four stroke cycle internal combustion engine, part 1.**

FS, USCG, 1943. 39 fr, b&w. Order no. SCG 154.

Shows the basic principles of four-cycle combustion engines with particular reference to cylinder pistons, crankshaft, and flywheel.

Buy from UWF. LC card FiE 52-829.

**The four stroke cycle internal combustion engine, part 2.**

FS, USCG, 1943. 44 fr, b&w. Order no. SCG 154-a.

Shows the basic principles of four-cycle combustion engines with particular reference to valve mechanisms, crankshaft, mechanical timing, and differences in basic cylinder head designs.

Buy from UWF. LC card FiE 52-830.

**Fourteen carrots.**

MP, USDA, 1952. 5 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of carrots. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FiE 53-643.

**Fracture of the cervical spine: Crutchfield tongs reduction.**

MP, USN, 1943. 11 min, si, color. Order no. MN 1558.

Shows the Crutchfield tongs reduction operation, progress of the patient, and various steps in the operation (illustrated by intermittent time lapses over a

period of months). For medical personnel.

Buy from UWF. LC card FiE 52-1055.

**Fractures.**

MP, USN, 1947. 10 min, sd, b&w. (Personnel damage control series) Order no. MN 6466-d.

Explains the various kinds of fractures and illustrates the standard treatment for simple and compound fractures.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1378.

**Fractures.**

MP, USN, 1943. 23 min, sd, color. (Personnel damage control series) Order no. MN 836-d.

Illustrates by diagrams the muscles and bones of the body. Explains the procedure of examination for a broken arm, leg, collar bone, back, and skull. Demonstrates first aid in administering morphine and applying various splint bandages.

Withdrawn from sale in 1954. LC card FiE 52-1314.

**Fractures about the elbow.**

MP, USVA, 1954. 30 min, sd, color.

Discusses the functional anatomy of the elbow joint and illustrates the displacing pulls of the muscle groups as they affect different fractures. Describes the mechanism of typical elbow injuries, such as fractures of the supracondylar, intercondylar, olecranon and head of the radius, and demonstrates various types of management, including manipulation, traction, and open reduction.

Borrow from USVA. Buy from C-W Film. LC card FiE 55-38.

**Fractures, an introduction.**

MP, USA, 1949. 27 min, sd, b&w. Order no. TF 8-1586.

Shows modern concept of treating a fracture and the mechanism, pathology, repair, and management of fractures.

Borrow from USA. LC card FiE 55-157.



**Fractures of the humerus.**  
MP, USVA, 1953. 26 min, sd,  
color.

Demonstrates the anatomy, physiology, and mechanics involved in various fractures of the humerus. Borrow from USVA. Buy from UWF. LC card FIE 54-6.

**Fractures, part 1.**

FS, USN, 1942. 55 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (First aid series) Order no. SN 223-a.

Shows two principal types of fractures, and general first-aid and specific treatment for fractures of the leg, forearm, upper arm, elbow, finger, and collarbone.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1854.

**Fractures, part 2.**

FS, USN, 1942. 55 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. (First aid series) Order no. SN 223-b.

Gives five general rules of first aid and first-aid treatment for fractures of the skull, nose, jaw, spine, rib, pelvis, thigh, kneecap, foot, and toe.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1855.

**Fractures, part 3.**

FS, USN, 1942. 64 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. (First aid series) Order no. SN 223-c.

Shows how to apply and adjust commercial and improvised traction splints.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1856.

**Framing: Floor joists and walls.**

MP, USN, 1950. 25 min, sd, b&w. (Building techniques series) Order no. MN 6719-b.

Illustrates procedures for constructing walls, floors, doors, and windows of a two-story building.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1259.

**Framing: Hip and valley rafters.**

MP, USN, 1950. 25 min, sd, b&w. (Building techniques series) Order no. MN 6719-d.

Shows how to cut, measure, and fit hip and valley rafters, and compares them with regular type rafters.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1261.

**Framing: Rafter principles and common rafters.**

MP, USN, 1950. 15 min, sd, b&w. (Building techniques series) Order no. MN 6719-c.

Illustrates laying out and cutting of rafters.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1260.

**Free City.**

MP, USECA, 1950. 10 min, sd, b&w.

Shows a day in the life of the free city of Trieste, recovering from its post-war dissensions with the help of Marshall aid. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-581.

**Freedom of the press.**

MP, USA-CAD, 1949. 17 min, sd, b&w.

A historical review of freedom of the press in America from Zenger's weekly journal to the publication of today's newspapers. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card no. FIE 52-1952.

**Freedom to learn.**

MP, USOWI, 1945. 17 min, sd, b&w. (American scene series, no. 9)

Shows some of the educational activities and opportunities at the State University of Iowa and emphasizes the democratic nature of the services offered by this public university.

Buy from UWF. LC card FIE 52-781.



**Freezing broccoli and corn-on-the cob.**

FS, USDA, 1953. 35 double fr, color. Order no. C-29. With lecture notes.

Shows the principal steps to be followed in the home freezing of vegetables, particularly broccoli and corn on the cob.

Buy from PhotoLab. LC card FIE 53-1046.

**Freezing fruits and vegetables.**

MP, USDA, 1946. 16 min, sd, color.

Shows how to freeze corn, broccoli, strawberries, and peaches; includes the selection and preparation of the crop, and packing, sealing, and storing the container.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-395.

**Freezing strawberries and peaches.**

FS, USDA, 1953. 35 double fr, color. Order no. C-30. With lecture notes.

Shows the principal steps to be followed in the home freezing of fruits, particularly strawberries and peaches.

Buy from PhotoLab. LC card FIE 53-1045.

**French bowline.**

MP, USCG, 1943. 3 min, sd, b&w. Order no MCG 308.

Explains the uses of the French bowline in rescue work and demonstrates how to tie the knot.

Buy from UWF. LC card FIE 52-855.

**French bowline.**

FS, USCG, 1943. 28 fr, b&w. Order no. SCG 308.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-814.

**From buffalo to cattle.**

MP, USBIA, 1950. 22 min, sd, color.

Shows the program of Indian education, the relationship between practical experience and aca-

demie learning, and particularly the ways in which Indian boys and girls on the Great Plains are taught cattle raising.

Buy from USBIA. LC card FIE 52-790.

**From small beginnings.**

MP, USHAA, 1947. 7 min, sd, color.

Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.

Buy from USHAA. Cleared for TV. LC card FIE 52-489.

**Front end alignment.**

MP, USA, 1943. 18 min, sd, b&w. (Automotive trouble shooting series, no. 14) Order no. TF 10-638.

Explains the causes of improper wheel alignment, and demonstrates necessary checks of the caster, camber, toe-in, and turning radius.

Borrow from USA. Cleared for TV. LC card FIE 52-2195.

**Front line Air Force chaplains.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 261.

Shows activities of Air Force chaplains in Air Force bases throughout the world, including services performed by chaplains in Korean battle areas.

Borrow from USAF. Cleared for TV. LC card FIE 52-1461.

**Front line chaplain.**

MP, USA, 1945. 10 min, sd, b&w. Order no. MF 1170.

A tribute to the U. S. Army chaplains of World War II, showing how ministers, priests, and rabbis in uniform conducted services, officiated at burials, and tried to lighten the burden of battle.

Borrow from USA. Buy from UWF. LC card FIE 52-1695.

**Frontier days.**

MP, US Defense, 1950. 17 min, sd, b&w. Order no. AFSR 117.

Portrayal of the "Frontier Days"



celebration in Cheyenne, Wyoming.

Borrow from USA. Cleared for TV. LC card FIE 55-168.

**Frontiers of grass: A story of the western range.**

FS, USDA, 1939. 64 fr, b&w. Order no. 585. With lecture notes. Traces the development and decline of the western range, showing the effects of railroads, market routes, and the growth of the livestock industry. Recommends conservation methods.

Buy from PhotoLab. LC card FIE 52-2844.

**Frozen-food lockers and your food supply.**

FS, USDA, 1940. 63 fr, b&w. Order no. 586. With lecture notes. Shows a floor plan for a locker plant, types of lockers, a home-made freezer chest, and how to grow and prepare plant and animal foods for freezing.

Buy from PhotoLab. LC card FIE 52-2898.

**Frozen foods supplied to the front.**

MP, USA, 1952. 3 min, sd, b&w. Order no. FB 243.

Shows the use, by the Army, of refrigerated vans to transport frozen foods from a railhead to a ration distribution dump at the front.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2198.

**Fruits, vegetables, and cooperation.**

MP, USDA, 1941. 28 min, sd, b&w. Shows how cooperative associations receive, process, pack, and market fruits and vegetables; and points out the jobs that a small group of farmers just starting a cooperative should tackle first.

Borrow from USFCA. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-386.

**The frying pan and the fire.**

MP, USDA, 1947. 18 min, sd, color.

Dramatized story of two girls on a camping trip, one of whom neglects to put out a camp fire, and the near-tragic consequences of the resultant fire.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-590.

**Fuel and feed.**

FS, USN, 1942. 80 fr, b&w. Order no. SN 801.

Explains the operation of both gravity and pressure fuel feed systems, emphasizes the nature and importance of various parts of those systems; discusses the dangers and causes of vapor lock. Borrow from USCAA film libraries. LC card FIE 54-777.

**Fuel feed systems.**

FS, USCG, 1943. 27 fr, b&w. Order no. SCG 154-f.

Explains the gravity feed and pressure feed systems and the operation of plunger-type and diaphragm pumps.

Buy from UWF. LC card FIE 52-824.

**Fuel level gages.**

FS, USAF, 1942. 41 fr, b&w. Order no. FS 1-58.

Explains the operating principles, maintenance, and inspection procedures for mechanical and electrical gages used on aircraft.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1921.

**Fuel pump disassembly.**

MP, USN, 1944. 15 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Fuel system, no. 4) Order no. MN 2364-p.

How to disconnect linkage, remove cover plate, disconnect all lines, remove fuel pump and disassemble at work bench, and remove all parts from pump housing.

Buy from UWF. LC card FIE 52-1109.

**Fuel pump reconditioning and re-assembly.**

MP, USN, 1944. 23 min, sd, b&w. (Cooper Bessemer Diesel engine



**maintenance series. Fuel system, no. 5) Order no. MN 2364-q.**  
How to recondition and reassemble parts of a fuel pump system. Buy from UWF. LC card F1E 52-1123.

**Fueling seaplanes.**

FS, USN, 1942. 67 fr, b&w. Order no. SN 285.

Explains two methods of refueling afloat--by a small boat and by coming alongside a seaplane tender. Demonstrates the refueling of a plane by a small boat from the stern quarter and the bow.

Buy from UWF. LC card F1E 52-1860.

**La fugue de Mahmoud.**

MP, USECA, 1952. 36 min, sd, b&w.

Mahmoud, a Berger boy in French Morocco, runs away from school, goes to Casablanca, learns to become a tractor mechanic, and returns to his village to participate in the mechanization of native agriculture. Produced for overseas use.

Borrow from EFLA. Cleared for TV. LC card F1E 53-591.

**Full denture reconstruction.**

FS, USN, 1949. 32 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-k.

Shows how denture teeth may be transferred from an old base to a new one, still retaining correct tooth-to-ridge relationship; and how to replace the base material of a denture that fits well, to improve its appearance. For dental personnel.

Borrow from USN-BulMed. Buy from UWF. LC card F1E 52-1817.

**The Fulton Sylphon Diesel engine temperature control valve: Operation and adjustment.**

FS, USN, 1944. 90 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. Order no. SN 3375.

Describes the function, operation, and adjustment of the Fulton

Sylphon valve for Diesel engines. Buy from UWF. LC card F1E 52-1805.

**Functional syndromes with pronounced physical symptoms.**

MP, USPHS, 1938. 17 min, si, b&w. (Introduction to clinical neurology series, no. 4)

Presents functional cases in which physical symptoms not caused by neurological impairment play a major part--hysterical epileptiform seizures, hysterical pseudohemiplegia, functional tremors, and tics. Stresses the contrast between functional and organic paralysis cases in carrying out purposeful acts with partially paralyzed members.

Buy from PCR. LC card F1E 54-91.

**Functional teaching in electricity and electronics.**

MP, USN, 1953. 16 min, sd, b&w. Order no. MN 8050.

Shows Navy instructors how to use such teaching procedures as trainee preparation, lecture, discussion, demonstration, experimentation, and review. Illustrates the use of training aids.

Borrow from USN. Buy from UWF. Cleared for TV. LC card F1E 54-4.

**Fundamental lines and sections.**

MP, USN, 1943. 22 min, sd, b&w. (Shipbuilding skills series. Nomenclature of ships) Order no. MN 2334-a.

Explains the meaning and purpose of various lines, the division of a ship's structure, and the names and symbols for different parts. Buy from UWF. LC card F1E 52-1215.

**Fundamental lines and sections.**

FS, USN, 1943. 98 fr, b&w. (Shipbuilding skills series. Nomenclature of ships) Order no. SN 2334-m.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-1784.



**The fundamental nature of air flows and air-flow separation.**  
MP, USNACA, 1935. 15 min, st, b&w. Order no TF 2. With lecture notes.

Shows air flow, made visible by titanium tetrachloride smoke in the NACA smoke-flow equipment, around a circular cylinder, and streamlined symmetrical and lifting airfoils, in order to discover airflow separation, dead air space, turbulence, and the effect of changes in angle of attack and Reynolds number on flow patterns. For use by technical personnel, including students of the aeronautical sciences.

Borrow from USNACA. LC card FIE 54-197.

**Fundamentals of artillery weapons. Part 1: Types and components of cannon.**

MP, USA, 1944. 28 min, sd, b&w. Order no. TF 9-2058.

Defines and classifies briefly artillery weapons and explains the three main types of cannon--guns, howitzers, and mortars.

Borrow from USA. LC card FIE 55-154.

**Fundamentals of artillery weapons. Part 2: Types and components of carriage.**

MP, USA, 1944. 22 min, sd, b&w. Order no. TF 9-2059.

Explains the two main types of artillery carriage, fixed and mobile, and the three types of mobile carriages--railway, self-propelled, and towed.

Borrow from USA. LC card FIE 55-153.

**Fundamentals of ballistics.**

MP, USA, 1949. 19 min, sd, b&w. Order no. TF 9-1512.

Explains interior, exterior, and terminal ballistics; types of fuzes, explosives, and projectiles; effects of air resistance and gravity; and discusses some methods of overcoming the problems involved.

Borrow from USA. Buy from UWF. LC card FIE 52-1534.

**Fundamentals of blueprint reading series.**

See Machine shop work series. Fundamentals of blueprint reading.

**Fundamentals of carrier telephony. Part 1: Principles and applications.**

MP, USA, 1945. 13 min, sd, b&w. Order no. TF 11-2088.

Shows the two main telephone carrier systems used by the U.S. Army.

Borrow from USA. Buy from UWF. LC card FIE 52-1742.

**Fundamentals of carrier telephony. Part 2: Terminal and repeaters.**

MP, USA, 1945. 25 min, sd, b&w. Order no. TF 11-2089.

Explains how channels in the Army telephone terminal CF-1-A function; equipment in the telephone repeater CF-3-A and its purpose; general data on transmission levels and repeater spacing.

Borrow from USA. Buy from UWF. LC card FIE 52-1743.

**Fundamentals of detergents.**

FS, USPHS, 1949. 72 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. Order no. 5-079.

Explains the fundamental principles of detergents and their use in cleaning, and points out that detergents may be used for many specific purposes, including softening water, dispensing mineral formations, emulsifying grease, deflocculating soil particles, and decreasing surface tension.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-919.

**Fundamentals of end cutting tools.**

MP, USOE, 1942. 12 min, sd, b&w. (Machine shop work series. Single point cutting tools, no. 2) Order no. OE 43. With instructor's manual.

Radius, threading, sheer-cut finishing, round-nosed finishing, side-facing tools; correct setting



of the tools; and the type of cut each one makes.

Buy from UWF. LC card F1E 51-539.

**Fundamentals of end cutting tools.**

FS, USOE, 1944. 30 fr, b&w. (Machine shop work series. Single point cutting tools, no. 2) Order no. OE 43-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-39.

**Fundamentals of filing.**

MP, USOE, 1942. 12 min, sd, b&w. (Machine shop work series. Bench work, no. 8) Order no. OE 41. With instructor's manual.

How to care for, handle, and clean files; and select different files for different metals.

Buy from UWF. LC card F1E 51-536.

**Fundamentals of filing.**

FS, USOE, 1944. 52 fr, b&w. (Machine shop work series. Bench work, no. 8) Order no. OE 41-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-42.

**Fundamentals of first aid.**

MP, USN, 1946. 11 min, sd, b&w. (Personnel damage control series) Order no. MN 6466-a.

Introductory film showing basic first aid steps to be taken by any member of the ship's company who discovers an injured man--stopping bleeding, restoring breathing, covering burns, splinting fractures, and treating for shock.

Borrow from USN-BuMed. Buy from UWF. LC card F1E 52-1375.

**Fundamentals of first aid.**

MP, USN, 1943. 18 min, sd, color. (Personnel damage control series) Order no. MN 836-a.

Introductory film showing basic principles of first aid as practiced on Navy ships.

Withdrawn from sale 1954. LC card F1E 52-1311.

**Fundamentals of massage.**

MP, USOE, 1945. 12 min, sd, b&w. (Nursing series) Order no. OE 414. With instructor's manual.

Techniques of fundamental massage movements--deep stroking, kneading, and friction; principal physiological effects of these massage movements upon the human organism.

Buy from UWF. LC card F1E 52-320.

**Fundamentals of massage.**

FS, USOE, 1945. 47 fr, b&w. (Nursing series) Order no. OE 414-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2776.

**Fundamentals of mechanics series.**

See Engineering series. Fundamentals of mechanics.

**Fundamentals of patrol plane handling series.**

Beach approaches

Launching

Preparing the plane for flight

Security and refueling with safety

Taxing in heavy weather

Taxing in moderate winds

**Fundamentals of patternmaking series.**

See Precision wood machining series. Fundamentals of patternmaking.

**Fundamentals of photography series.**

The basic camera

Developing the negative

Elementary optics in photography

Light-sensitive materials

Printing and positive

**Fundamentals of radioactivity.**

MP, USA, 1952. 59 min, sd, b&w. (The radioisotope series, no. 1) Order no. PMF 5145-a.

A survey film, first of a series, explaining basic concepts in the field of nuclear physics necessary to an understanding of radioisotopes; Describes in detail the origins of nuclear radiation and the chain reaction of uranium as a means of producing



radioisotopes. Primarily for technical use.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-2010.

**Fundamentals of side cutting tools.**

MP, USOE, 1942. 11 min, sd, b&w. (Machine shop work series. Single point cutting tools, no. 1) Order no. OE 42. With instructor's manual.

How side cutting tools are shaped and how they cut; and how generated heat is dissipated.

Buy from UWF. LC card FIE 51-538.

**Fundamentals of side cutting tools.**

FS, USOE, 1944. 27 fr, b&w. (Machine shop work series. Single point cutting tools, no. 1) Order no. OE 42-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-40.

**Fundamentals of stair layout.**

MP, USN, 1950. 11 min, sd, b&w. (Building techniques series) Order no. MN 6719-f.

Covers the measuring, fitting, and installing of stairways.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1263.

**Fundamentals of the human blood groups.**

FS, USPHS, 1954. 70 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order no. F 22.

Explains through symbols and stylized drawings the fundamentals of blood typing, including genetics of blood groups, incompatibility of various groups, sensitization, and precautions in giving transfusions.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-748.

**Fundo in Chile.**

MP, USOIAA, 1945. 21 min, sd, b&w.

Contrasts new and old farming methods on the large fundos (ranches) of Chile; emphasizes trends toward modernization.

Shows daily lives of fundo workers and their families.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-707.

**Fungi snare and destroy nematodes.**

MP, USDA, 1940. 4 min, sd, b&w. Demonstrates under the microscope how certain fungi catch and devour nematodes; and explains the process by which organic matter is broken down to enrich soil.

Rent from USDA film libraries.  
Buy from UWF. LC card FIE 52-406.

**Fury in the Pacific.**

MP, USN, 1945. 20 min, sd, b&w. Order no. MN 9045.

A photographic record of the invasion of the Palau Islands in 1944.

Borrow from USN. Buy from UWF. LC card FIE 52-1274.

**Fuselage construction.**

MP, USAF, 1941. 8 min, sd, b&w. (Airplane structures series) Order no. TF 1-213.

Describes the fuselage and shows loads exerted upon its component parts. Explains the principle of truss construction and attachment of wing and the use of bulkheads and longitudinal stringers.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1481.

**"G" and you.**

MP, USN, 1943. 41 min, sd, color. Order no. MN 2361.

Demonstrates the effect of gravity upon a pilot; explains the pooling of blood and the causes of restricted vision, gray-out, and black-out; and describes the basic principles of the anti-G suit.

Borrow from USCAA film libraries or USN-BuMed. LC card FIE 54-142.

**G. I. quiz, no. 5.**

MP, US Defense, 1949. 11 min, sd, b&w. Order no. AFSR 107.

On same reel with film, Our American heritage.

A humorous quiz designed for the entertainment of soldiers.

Borrow from USA. Buy from UWF. LC card FIE 52-1649.



**Gs-1 meets the laboratory.**

FS, USPHS, 1952. 91 fr, color with disc: 16 in, 33 1/3 rpm, 11 min. (Basic laboratory training for nonprofessional workers series, no. 1) Order no. F 106-a. Tells in story form how a beginning laboratory worker can avoid mistakes which might endanger himself, the equipment, and impending research results. Covers such points as washing dirty glassware, cleaning cages of infected laboratory animals, handling carbons and corrosives, and avoiding contamination of lunch. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-986.

**Gage blocks and accessories.**

MP, USOE, 1945. 23 min, sd, b&w. (Machine shop work series. Precision measurement, no. 8) Order no. OE 246. With instructor's manual.

Why accessories are used with gage blocks; how to inspect a plug gage, an adjustable snap gage, a profile gage, a ring gage, and a screw-thread pitch; and how to build a height gage and scriber. Buy from UWF. LC card FIE 51-576.

**Gage blocks and accessories.**

FS, USOE, 1945. 33 fr, b&w. (Machine shop work series. Precision measurement, no. 8) Order no. OE 246-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-82.

**Galley sanitation.**

MP, USA, 1948. 24 min, sd, b&w. (The stowaway series, no. 2) Order no. TF 8-1502.

Illustrates precautions and sanitary measures which should be observed by all food service organizations in order to prevent the spread of disease.

Borrow from USA, USAF or USAFIP. Buy from UWF. LC card FIE 52-1521.

**Gardening cartoons: A dozen "don'ts" for gardeners.**

FS, USDA, 1942. 16 double fr, b&w. Order no. 633.

Reproduction of cartoons in Consumer's guide, March 1, 1942.

Buy from PhotoLab. LC card FIE 52-2926.

**Garrison Dam and reservoir project.**

MP, USA-Eng, 1949. 25 min, sd, color.

Photographic record of construction work on Garrison Dam in North Dakota from October 1946 to May 1948.

Borrow from USA-Eng. LC card FIE 52-2005.

**Garrison on the Missouri.**

MP, USA-Eng, 1949. 23 min, sd, color.

Shows Garrison Dam under construction in North Dakota, and explains its relationship to the overall plan for the development of the Missouri River Basin.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1977.

**Garrison safe-guards.**

MP, USA-Eng, 1952. 21 min, sd, color.

Illustrates the safety program of the Corps of Engineers during the construction of Garrison Dam on the Missouri River.

Borrow from USA-Eng. Cleared for TV. LC card FIE 53-231.

**Garrison takes shape.**

MP, USA-Eng, 1951. 23 min, sd, color.

Portrays progress (1950) on the construction of Garrison Dam in North Dakota, including scenes of mining operations for the power and flood control tunnels and an explanation of how the land is being acquired for the reservoir.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1978.

**Gastrointestinal cancer: The problem of early diagnosis.**

MP, USPHS and ACS, 1950. 33 min, sd, color. With booklet.

A survey of cancer of the esophagus, stomach, small and large intestines, and rectum, reviewing salient points in diagnosis and stressing early discovery and



treatment in lowering mortality figures. For general practitioners, residents, particularly of internal medicine; interns, medical students in their clinical years.

Borrow from ACS or USPHS-NCI.  
Buy from ACS. LC card FIA 52-169.

#### Gateway.

MP, USAF, 1950. 18 min, sd, b&w.  
Order no. SFP 245.

Opportunities for U.S. Air Force personnel to study and become specialists in radar, electronics, communications, radio, airplane repair and maintenance, and other technical fields.

Borrow from USAF or USCAA film libraries. Buy from UWF.  
Cleared for TV. LC card FIE 52-1420.

#### The genera of North American ticks.

FS, USPHS, 1953. 37 fr, color with disc: 16 in, 33 1/3 rpm, 4 min. Order no. F 139.

Shows representative species of the genera of ticks found in North America and their morphological characters.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-733.

#### General adaptation syndrome.

MP, USA, 1951. 84 min, sd, color.  
Order no. PMF 5151.

Demonstrates the reactions and adaptations of animal body systems to such stresses as heat, cold, fatigue, and intoxicants. For professional personnel.

Borrow from USAFIP. LC card FIE 53-25.

#### General court martial.

MP, USN, 1952. 46 min, sd, b&w. (Uniform code of military justice series) Order no. MN 7319-e.

Demonstrates the procedures and conduct of a general court martial and explains the duties and responsibilities of Navy officers at such a court martial.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2120.

#### The general court-martial.

MP, USA, 1954. 73 min, sd, b&w.  
Order no. TF 15-1950.

Portrays the general court-martial of a U.S. Army private charged with the crime of larceny, including pre-trial investigation; convening of the court; presentation of charges, testimony and cross-examination of witnesses and the accused, summation by counsels, evaluation of evidence by the Court, decision of the Court, and sentencing.

Borrow from USA. LC card FIE 54-430.

#### General effects of cold on man.

MP, USA, 1951. 12 min, sd, b&w.  
Order no. TF 8-1690.

Explains measures necessary for survival in different kinds of cold weather, the effects of laboratory cold tests on animals and on human beings, treatment of frostbite and trench foot, and the responsibility of soldiers to protect themselves against cold.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-2080.

#### General effects of heat on man.

MP, USA, 1951. 21 min, sd, b&w.  
Order no. TF 8-1691.

Describes various hot-room tests conducted at the Medical Department Field Research Laboratory, Fort Knox, Ky., and demonstrates the effects of heat on the human body during military operations.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-2081.

#### General Hospital.

MP, USA, 1945. 12 min, sd, b&w.  
Order no. FB 203.

Shows the organization and function of a typical general hospital in an overseas theater of operations.

Borrow from USAFIP. LC card FIE 53-76.

#### General inspection and control activities at the area level.

FS, USPHS, 1945. 98 fr, b&w.  
Order no. 5-021.1.



Presents general information about the malaria mosquito, its life cycle and habitat; examples of malaria control problems and measures; and methods of evaluating the results of control operations.

Borrow from USPHS-CDC. LC card FIE 53-897

**General Motors 16-278A Diesel engine series.**

**Bearings**

Benchwork, part 1

Benchwork, part 2

Benchwork, part 3

Benchwork, part 4

**Disassembly**

Reassembly, part 1

Reassembly. Part 2: Head

**General Motors Diesel engine unit injectors: Disassembly and reassembly, model 278.**

MP, USN, 1944. 18 min, sd, b&w. Order no. MN 2769-b.

Shows how to disassemble and reassemble General Motors Diesel engine unit injector model 278.

Buy from UWF. LC card FIE 52-1096.

**General Motors Diesel engine unit injectors: Maintenance.**

MP, USN, 1944. 18 min, sd, b&w. Order no. MN 2769-a.

How to disassemble, handle, clean, and inspect the Diesel engine unit injector.

Buy from UWF. LC card FIE 52-1095.

**General neurological examination and clinical signs of disorders of the pyramidal system.**

MP, USPHS, 1938. 19 min, si, b&w. (Introduction to clinical neurology series, no. 1)

Reviews gross anatomy of the brain; demonstrates minimal neurological examination of cranial nerves, motor coordination, reflexes, and sensation; presents clinical signs of disorders of the pyramidal system; shows two cases of hemiplegia with internal hydrocephalus, presenting x-rays to show the seat of impairment. For medical personnel.

Buy from PCR. LC card FIE 54-94.

**General Pershing.**

MP, US Defense, 1948. 11 min, sd, b&w. Order no. AFSR 98. On same reel with film, ROTC at work.

Highlights in the life of General John J. Pershing, and his funeral in 1948.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1645.

**General principles of the propeller.**

FS, USAF, 1942. 51 fr, b&w. Order no. FS 1-104.

Explains the principles of the airplane propeller, types of construction, causes of failure, and factors determining shape of blade. Defines thrust, pitch, angle of attack, slip, feathering, and windmilling.

Buy from UWF. LC card FIE 52-1914.

**General sheet metal practice.**

MP, USBM, 1944. 21 min, sd, b&w. (How to form aluminum series) Order no. 204.

Explains by animated drawings the general techniques of sheet metal work. Describes aluminum alloys and their designations, heat treatment, use of bending dies and power brake, flanging, and the art of power hammering. Shows operations of stretching, smoothing, and roll forming.

Borrow from USBM. Cleared for TV. LC card FIE 52-633.

**General structure of the horse and mule.**

FS, USA, 1942. 104 fr, b&w. Order no. FS 8-38.

Shows anatomical structure of the horse and the mule.

Borrow from USAFIP. LC card FIE 53-822.

**Generator and regulator systems, principles.**

FS, USAF, 1942. 65 fr, b&w. Order no. FS 1-53.

Explains the principles, operation, and construction of the generator; and the various inspections required on generator and regulator systems in an airplane.



Buy from UWF. LC card FIE 52-1918.

George Kennan discusses communism on the Armed Forces Forum.

MP, US Defense, 1953. 43 min, sd, b&w. Order no. AFIF 50.

George F. Kennan answers questions concerning international communism asked by Army, Navy, and Air Force enlisted men and women, and discusses the effect of Stalin's death and Beria's purge, the influence of Moscow upon developments in Asia, the nature of Communists and communism, facts about the Russian people, the possibilities of war with Russia, etc. The forum was filmed on August 6, 1953.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 54-109.

George Washington, the farmer. FS, USDA, 1932. 74 fr, b&w. Order no. 277. With lecture notes. Depicts phases of Washington's early life and his home surroundings as a country gentleman. Buy from PhotoLab. LC card FIE 52-2933.

Germany.

MP, US Defense, 1950. 9 min, sd, b&w. Order no. AFSR 124. On same reel with film, Recreation and athletics in the Navy.

A general portrayal and explanation of Western Germany under allied occupation.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2036.

Germs take pot luck.

FS, USPHS, 1945. 76 fr, b&w. with disc: 16 in, 33 1/3 rpm, 15 min. (Our health in your hands series) Shows how germs cause disease; how diseases are spread, particularly in restaurants; and what restaurant workers should do to follow accepted sanitation practices. For food handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FIE 53-876.

Getting ready to instruct.

FS, USN, 1942. 94 fr, b&w. with disc: 16 in, 33 1/3 rpm, 33 min. Order no. SN 1373.

Designed to teach supervisors how to prepare to teach a job. Covers the technique of job analysis and the preparation of a plan for training.

Withdrawn from sale in 1954. LC card FIE 52-1749.

A giant grows.

MP, USA-Eng, 1951. 30 min, sd, color.

Shows McNary Dam on the Columbia River, river traffic passing through the lift lock, final closure of the Columbia River, and the construction methods used in the building of the underwater cofferdam.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1975.

Gins and ginning.

FS, USDA, 1938. 56 fr, b&w. Order no. 513. With lecture notes. Traces the history of ginning devices and shows modern ginning methods.

Withdrawn from active circulation in 1952. LC card FIE 52-2857.

Give your baby a name

See Awee binaltsos.

Giving a shop demonstration.

MP, USN, 1942. 18 min, sd, b&w. Order no. MN 188.

Shows a shop teacher preparing and conducting a detailed demonstration on forming a flanged tray with a shrinking mallet and bending blocks.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1018.

Glamour Gal.

See 155mm. howitzer: Glamour Gal.

The golden moment.

MP, USN, 1954. 24 min, sd, b&w. (For which we stand series) Order no. MN 5321-g.



Deals with the U.S. Navy's character guidance program aboard ship and in recruit and service schools. Depicts classroom discussions on such themes as moral issues, tensions, and citizenship; and explains roles of chaplains, line officers, and CPO instructors in this Navy-wide program. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-373.

**The golden secret.**  
MP, USDA, 1946. 7 min, sd, color.

A cartoon movie on conservation telling a fairy story about the son of the king's chief huntsman who stopped the golden soil from washing away and was rewarded with the best farm in the kingdom.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-581.

**Good form at key and phones.**  
FS, USN, 1942. 46 fr, b&w. Order no. SN 634.

Shows how to adjust and use the headset and sending key.

Borrow from USCAA film libraries. LC card FIE 54-778.

**Good neighbor family.**  
MP, USOIAA, 1943. 17 min, sd, b&w.

Shows the life of various groups and classes in Latin America, social and religious customs, and differences between North and South American cultures.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-682.

**Good things come in pears.**  
MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of pears. Prepared especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-642.

**Grain inspection methods.**  
FS, USDA, 1950. 28 double fr, color. Order no. C-9.  
Explains the methods that are used in the inspection of grain.  
Buy from PhotoLab. LC card FIE 53-846.

**Grain sanitation**  
FS, USDA, 1954. 54 double fr, b&w. Order no. 708. With lecture notes.

Shows various insects that attack grain, the damage caused by insects and rodents, and methods of preventing insect infestation and rodent contamination of grain in storage.

Buy from PhotoLab. LC card FIE 54-749.

**The grain that built a hemisphere.**  
MP, USOIAA, 1943. 11 min, sd, color.

Traces the history of corn and its importance in the development of civilization; and describes its uses today.

Rent from USOIAA film libraries. Buy from USIAA. Cleared for TV. LC card FIE 52-503.

**Grass and brush fire fighting.**  
MP, USDA, 1945. 28 min, sd, color.

Demonstrates the techniques of fighting small grass and brush fires in the western United States.  
Borrow from USFS. Buy from UWF. LC card FIE 52-601.

**Grass and cattle.**  
MP, USDA, 1950. 16 min, sd, color.

Shows how the U.S. Forest Service is developing the range resources of the national forests for maximum use in the grazing of cattle, with full protection of the watershed.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-602.

**Grass is gold.**  
MP, USBIA, 1950. 18 min, sd, color.

How a Shoshone Indian in Wyoming with the aid of the U.S. In-



dian Service became a successful cattleman after he learned the value of grass and range management.

Buy from USBIA. LC card FIE 52-789.

**Grass: The big story.**  
MP, USDA, 1953. 30 min, sd, color.

Explains the characteristics and values of grassland farming and how worn-out land can be rebuilt through scientific methods of grassland farming.

Rent from USDA film libraries. Cleared for TV. LC card FIE 53-634.

**Grasshoppers and their control.**  
FS, USDA, 1935. 41 fr, b&w. Order no. 360. With lecture notes. Shows several types of common grasshoppers, various stages in their life cycle, damage caused by them, and measures to control them.

Withdrawn from active circulation in 1952. LC card FIE 52-2860.

**Grassland.**  
MP, USDA, 1944. 9 min, sd, b&w. Shows the effects of overgrazing on the ranges of the western United States and the results of erosion on overgrazed land; and explains conservation methods necessary to protect the soil.  
Rent from USDA film libraries. Buy from UWF. LC card FIE 52-418.

**Gravel and rock surfaces.**  
MP, USA, 1943. 8 min, sd, b&w. (Military roads series, no. 6) Order no. TF 5-1198.

Demonstrates the principles of gradation, including the selection of materials and methods of placing selected material on a road base.

Borrow from USA. Buy from UWF. LC card FIE 52-1501.

**Great Britain.**  
MP, US Defense, 1951. 10 min, sd, b&w. Order no. AFSR 126. On same reel with film, Exercise Sweetbriar.

A general portrayal of Great Britain.

Buy from UWF. Cleared for TV. LC card FIE 52-2037.

**The great flood.**  
FS, USDA, 1952. 39 fr, b&w. Order no. 699.

Shows the results of the July 1951 Kansas flood and emphasizes the importance of conservation methods on farms and watersheds, including contour planting, stubble mulching, check dams, sodding, etc.

Buy from PhotoLab. LC card FIE 53-843.

**The great gun.**  
MP, USA, 1952. 12 min, sd, b&w. Order no. MF 9-7940.

Shows and explains tests conducted at Aberdeen Proving Grounds, Md., with the new U.S. Army 280-mm gun.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-135.

**Great Lakes invader.**  
See The sea lamprey.

**The greatest good.**  
MP, USDA, 1950. 11 min, sd, color or b&w. Reviews the life and ideas of Gifford Pinchot, conservationist and forester; shows the development of conservation principles and their influence on forest management.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-398.

**Grinding a deep hole.**  
MP, USOE, 1944. 18 min, sd, b&w. (Machine shop work series. Operations on the internal grinder, no. 2) Order no. OE 78. With instructor's manual. How to grind the backing pins and work-holding jaws of three jaw chuck to hold the work-piece; set length of stroke and breakthrough; correct for taper and bellmouth; and check a deep hole with an inside micrometer.



Buy from UWF. LC card FiE 51-563.

**Grinding a deep hole.**

FS, USOE, 1944. 46 fr, b&w. (Machine shop work series. Operations on the internal grinder, no. 2) Order no. OE 78-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-65.

**Grinding a parallel bar. Part 1: Setting up the machine.**

MP, USOE, 1945. 14 min, sd, b&w. (Machine shop work series. Operations on the surface grinder, no. 1) Order no. OE 220. With instructor's manual.

How to mount a grinding wheel; position the diamond tool and true the wheel; operate a magnetic chuck; use the controls of the grinder; and grind the face of the chuck.

Buy from UWF. LC card FiE 52-2.

**Grinding a parallel bar. Part 1: Setting up the machine.**

FS, USOE, 1945. 48 fr, b&w. (Machine shop work series. Operations on the surface grinder, no. 1) Order no. OE 220-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2501.

**Grinding a parallel bar. Part 2: Grinding operations.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Operations on the surface grinder, no. 2) Order no. OE 221. With instructor's manual.

How to position the parallel bar on the chuck; rough-grind the opposite sides of the bar; rough-grind adjacent sides of the bar at exact right angles; and finish-grind all four sides.

Buy from UWF. LC card FiE 52-9.

**Grinding a parallel bar. Part 2: Grinding operations.**

FS, USOE, 1945. 44 fr, b&w. (Machine shop work series. Op-

erations on the surface grinder, no. 2) Order no. OE 221-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2508.

**Grinding a plain pin. Part 1: The grinding wheel.**

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the center-type grinder, no. 1) Order no. OE 80. With instructor's manual.

Cutting action of a grinding wheel; how to select the correct grinding wheel; handle and mount the wheel on the collet; and true and balance the wheel.

Buy from UWF. LC card FiE 52-10.

**Grinding a plain pin. Part 1: The grinding wheel.**

FS, USOE, 1944. 41 fr, b&w. (Machine shop work series. Operations on the center-type grinder, no. 1) Order no. OE 80-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2509.

**Grinding a plain pin. Part 2: Grinding operations.**

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the center-type grinder, no. 2) Order no. OE 81. With instructor's manual.

How to lubricate and set up a center-type grinder; mount and adjust the workpiece for proper tension between centers; set the table reversing dogs; and rough-grind a plain pin.

Buy from UWF. LC card FiE 52-49.

**Grinding a plain pin. Part 2: Grinding operations.**

FS, USOE, 1944. 36 fr, b&w. (Machine shop work series. Operations on the center-type grinder, no. 2) Order no. OE 81-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2540.

**Grinding a slender shaft with back rest.**

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the center-type grinder, no. 3) Order no. OE 82. With instructor's manual.

How to select and set up a back rest; adjust the back rest during grinding; rough- and finish-grind the long shaft; and check and adjust for taper.

Buy from UWF. LC card FiE 51-561.

**Grinding a slender shaft with back rest.**

FS, USOE, 1944. 29 fr, b&w. (Machine shop work series. Operations on the center-type grinder, no. 3) Order no. OE 82-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-63.

**Grinding a straight hole.**

MP, USOE, 1944. 18 min, sd, b&w. (Machine shop work series. Operations on the internal grinder, no. 1) Order no. OE 77. With instructor's manual.

How to use a universal chuck; select the proper grinding wheel and adjust the wheel speed; set the length of the stroke; set the cross-feed for automatic grinding; and use the precision cross-feed for finish grinding.

Buy from UWF. LC card FiE 51-564.

**Grinding a straight hole.**

FS, USOE, 1944. 39 fr, b&w. (Machine shop work series. Operations on the internal grinder, no. 1) Order no. OE 77-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-70.

**Grinding a taper.**

MP, USOE, 1944. 19 min, sd, b&w. (Machine shop work series.

Operations on the center-type grinder, no. 5) Order no. OE 84. With instructor's manual.

How to prepare an arbor for grinding; mount and adjust the arbor between centers; adjust the swivel table and taper scale; rough- and finish-grind the taper; and check with the taper ring gage and light gage.

Buy from UWF. LC card FiE 51-555.

**Grinding a taper.**

FS, USOE, 1944. 30 fr, b&w. (Machine shop work series. Operations on the center-type grinder, no. 5) Order no. OE 84-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-61.

**Grinding a template.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Operations on the surface grinder, no. 3) Order no. OE 222. With instructor's manual.

How to mount and true the wheel; mount the sine bar on the table; set the sine bar for specified angles; set up the template on the sine bar; rough- and finish-grind the template; and check the work-piece for accuracy.

Buy from UWF. LC card FiE 51-595.

**Grinding a template.**

FS, USOE, 1945. 39 fr, b&w. (Machine shop work series. Operations on the surface grinder, no. 3) Order no. OE 222-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-102.

**Grinding a V block.**

MP, USOE, 1945. 22 min, sd, b&w. (Machine shop work series. Operations on the surface grinder, no. 4) Order no. OE 223. With instructor's manual.

How to set up a V block to grind the ends and the V; rough- and finish-grind the ends; establish



reference points for grinding the V to precision dimensions; and check the work for accuracy. Buy from UWF. LC card FIE 51-594.

#### Grinding a V block.

FS, USOE, 1945. 51 fr, b&w. (Machine shop work series. Operations on the surface grinder, no. 4) Order no. OE 223-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-101.

#### Grinding and facing a blind hole.

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the internal grinder, no. 3) Order No. OE 79. With instructor's manual.

How to mount and dress the wheels on the two-spindle grinder; prepare the diaphragm chuck; plunge-grind the bore and adjust for taper; and grind the shoulder and flange parallel and at right angles to the bore.

Buy from UWF. LC card FIE 51-562.

#### Grinding and facing a blind hole.

FS, USOE, 1944. 38 fr, b&w. (Machine shop work series. Operations on the internal grinder, no. 3) Order no. OE 79-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-64.

#### Grinding multiple-point carbide tools.

MP, USOE, 1945. 20 min, sd, b&w. (Machine shop work series. Carbide cutting tools, no. 3) Order no. OE 243. With instructor's manual.

How to resharpen by grinding a dull carbide milling cutter; grind individual teeth offhand; circle-grind; surface-grind; and finish surfaces and edges by honing.

Buy from UWF. LC card FIE 51-577.

#### Grinding multiple-point carbide tools.

FS, USOE, 1945. 37 fr, b&w. (Machine shop work series. Carbide cutting tools, no. 3) Order no. OE 243-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-85.

#### Grinding single-point carbide tools.

MP, USOE, 1945. 26 min, sd, b&w. (Machine shop work series. Carbide cutting tools, no. 2) Order no. OE 242. With instructor's manual.

How to semi-finish and finish-grind a dull tool; rough-grind a chipped or broken tip; grind a newly brazed tool; and grind a chip breaker.

Borrow from USAF. Buy from UWF. LC card FIE 51-576.

#### Grinding single-point carbide tools.

FS, USOE, 1945. 38 fr, b&w. (Machine shop work series. Carbide cutting tools, no. 2) Order no. OE 242-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-84.

#### Grinding thin discs.

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Operations on the surface grinder, no. 5) Order no. OE 224. With instructor's manual.

How to true the grinding wheel; load and operate the magnetic chuck; rough-grind the discs; finish-grind the discs to precision measurements; and check for accuracy and parallelism.

Buy from UWF. LC card FIE 51-593.

#### Grinding thin discs.

FS, USOE, 1945. 45 fr, b&w. (Machine shop work series. Operations on the surface grinder, no. 5) Order no. OE 224-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-100.

**Griscom-Russell: How it works, part 1.**

MP, USN, 1944. 14 min, sd, b&w. (Distilling plants series. Low pressure type) Order no. MN 3706-a.

Explains by animation the principles of operation of the low-pressure distilling plant (Griscom-Russell). Illustrates the development of a simple effect distilling plant, explaining the parts and their functions.

Buy from UWF. LC card FIE 52-1160.

**Griscom-Russell: How it works, part 2.**

MP, USN, 1944. 19 min, sd, b&w. (Distilling plants series. Low pressure type) Order no. MN 3706-b.

Explains by animation the parts, construction, and operation of a double effect distilling plant. Portrays a typical distilling plant, tracing by animation the flow of water, steam, vapor and condensation through the system.

Buy from UWF. LC card FIE 52-1161.

**Ground adjustable propellers.**

FS, USAF, 1942. 55 fr, b&w. Order no. FS 1-183.

Covers the parts, removal, installation, inspection, and cene-bottoming of ground-adjustable propellers.

Borrow from USCAA film libraries. LC card FIE 53-1025.

**Ground controlled approach of aircraft: Operational procedure.**

MP, USN, 1949. 38 min, sd, b&w. Order no. MN 6694.

Demonstrates the principles and operation of ground controlled approach (GCA) on the field and in a plane.

Borrow from USCAA film libraries or USN. Buy from UWF. Cleared for TV. LC card FIE 52-1292.

**Ground crew safety.**

MP, USAF, 1944. 17 min, sd, b&w. Order no. TF 1-3345.

Discusses causes of spontaneous combustion, points out "don't's" when working with batteries, torches, gasoline, drop cords, etc. Covers safety precautions when refueling and starting a plane, and emphasizes practices that cause accidents in and around the hangar.

Borrow from USCAA film libraries. LC card FIE 53-394.

**The ground team: Designed for victory.**

MP, USA, 1945. 9 min, sd, b&w. Order no. MF 1275.

Reviews the activities and achievements of U.S. infantry, artillery, and airborne troops during World War II.

Borrow from USA. Buy from UWF. LC card FIE 52-1697.

**Ground ways.**

MP, USN, 1945. 21 min, sd, b&w. (Shipbuilding skills series. Preparation for stern launching) Order no. MN 2341-c.

Demonstrates step-by-step construction or placing of the following: tie timbers, bearer blocks, ground ways timbers, angle brackets, spur shores, grease strips, launching grease, and grease irons.

Buy from UWF. LC card FIE 52-1211.

**Grow your own.**

MP, USDA, 1945. 16 min, sd, b&w. Explains the essentials of good gardening--site selection, soil preparation, garden layout, planting, transplanting, cultivation, weed and pest control, and watering; shows in a "dream sequence" how plants grow; and closes with a series of humorous "don't" of gardening.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-369.

**Guadalajara.**

MP, USOIAA, 1943. 17 min, sd, color.



A tourist view of the Mexican city of Guadalajara.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-700.

**Guard our country.**

MP, USAF, 1954. 9 min, sd, b&w.  
Order no. SFP 319.

Describes the importance and work of the Ground Observer Corps and emphasizes the need for volunteers.

Borrow from USAF. Cleared for TV. LC card FIE 55-105.

**Guardhouse and stockade. Part 1: Processing of military prisoners.**

MP, USA, 1954. 29 min, sd, b&w.  
Order no. TF 19-1938.

Portrays the procedures involved in receiving and processing military prisoners, including initial identification, personal search, disposition of personal property, medical examination, preparation of identification and personal history records, issuance of clothing, and confinement.

Buy from UWF. LC card FIE 55-7.

**Guardians of the wild.**

MP, USDA, 1943. 11 min, sd, b&w.  
Shows the work and duties of U.S. forest rangers.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-610.

**Guarding against sabotage.**

MP, USA, 1952. 32 min, sd, b&w.  
Order no. TF 19-1740.

Discusses the techniques of sabotage--including fire, explosives, and mechanical means--and presents several case histories of sabotage.

Borrow from USA. Buy from UWF. LC card FIE 52-1576.

**Guerra ao piolho.**

MP, USIAA, 1947. 8 min, sd, color. Portuguese version of motion picture with title, Kill the louse.

Explains measures that a community can use to get rid of the louse and thus eliminate typhus.

Emphasizes the importance of cleanliness.

Buy from USIAA. Cleared for TV. LC card FIE 52-514.

**The guided bend test.**

MP, USOE, 1944. 17 min, sd, b&w. (Welding procedures series. Testing, no. 1) Order no. OE 189. With instructor's manual.

How to prepare groove weld and fillet weld test specimens for the guided bend test; and make the test. Shows causes of failure in bending.

Buy from UWF. LC card FIE 52-292.

**The guided bend test.**

FS, USOE, 1944. 62 fr, b&w. (Welding procedures series. Testing, no. 1) Order no. OE 189-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2749.

**Guided missiles.**

MP, USA, 1954. 26 min, sd, b&w.  
Order no. MF 45-8354.

Illustrates developments in guided missiles, emphasizing the principles of operation, the specialized training required to handle them, and their tactical use.

Buy from UWF. LC card FIE 54-371.

**Guatemala sketch book series, nos. 1-3.**

High spots of a high country  
Hill towns of Guatemala  
Wooden faces of Totonicapan

**Guillotine amputation of the lower extremity.**

MP, USN, 1944. 12 min, sd, color. (Amputations series, no. 1) Order no. MN 3429-a.

Studies two basic indications for amputations (irreparable interference with blood supply and massive infection which cannot be controlled) and stresses selection of proper site of election



before amputation. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1144.

#### Gypsy moth.

MP, USDA, 1953. 28 min, sd, color.

Explains the destruction caused in North American forests by the gypsy moth and the cooperative Federal-State activities in the United States to eliminate this pest.

Borrow from USARS. Cleared for TV. LC card FIE 53-633.

#### The gyro compass series

The compass system

The gyro becomes a compass

The gyroscope and gravitation

The gyroscope and the earth's rotation

Principles of the gyroscope

#### The gyro becomes a compass.

MP, USN, 1944. 15 min, sd, b&w. (The gyro compass series) Order no. MN 1792-d.

Simplified models of the pendulous and mercury ballistic type compasses are used to explain why the gyroscope, acting as a compass, turns toward the meridian, how its motion is damped, and how it is kept on the meridian.

Borrow from USCAA film libraries. LC card FIE 54-272.

#### The gyroscope and gravitation.

MP, USN, 1944. 14 min, sd, b&w. (The gyro compass series) Order no. MN 1792-c.

Explains the theory and operation of pendulous and mercury ballistic type compasses, the effect of gravity on a gyroscope, and the operation of an Arma pendulous compass and a Sperry mercury ballistic compass.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1056.

#### The gyroscope and the earth's rotation.

MP, USN 1944. 10 min, sd, b&w. (The gyro compass series) Order no. MN 1792-b.

Demonstrates by animation how a simple gyroscope becomes a gyro compass; and explains the principles of rigidity and precession and apparent rotation and gravity.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1064.

#### Gyroscopic instruments.

FS, USN, 1943. 66 fr, b&w with disc: 16 in, 33 1/3 rpm, 25 min. (Instrument flight control series) Order no. SN 1059-b.

Covers artificial horizon; direction gyro; and turn and bank indicator.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1887.

#### H<sub>2</sub>O.

MP, USA-Eng, 1948. 34 min, sd, color.

Shows water safety measures on U.S. Army Corps of Engineers' large floating work plants, reservoirs, and dams; and life-saving methods used at these locations.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1989.

#### Habits and characteristics of the Norway rat.

MP, USA and USPHS, 1951. 28 min, sd, b&w. (Rodent control series, no. 2) Order no. TF 8-1670 or M 37-b.

Explains and pictures the characteristics and habits of the Norway rats--their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the habits of the Norway rats can man control them.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FIE 53-212.

#### Habits and characteristics of the roof rat.

MP, USA and USPHS, 1951. 14 min, sd, b&w. (Rodent control series, no. 3) Order no. TF 8-1671 or M 37-c.



Explains and pictures the characteristics and habits of the roof rats--their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FIE 53-213.

#### Hacksaws.

MP, USA, 1943. 18 min, sd, b&w. (Care and use of hand tools series, no. 6) Order no. TF 9-2031.

Shows various types of hacksaw frames and explains the proper and improper uses of each type. Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1540.

#### Hail, alma mater.

MP, USA, 1951. 6 min, sd, b&w. Order no. MF 7805.

West Point choir sings "Hail, alma mater" and "Army blue" with back-ground scenes of West Point.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1634.

#### Half a chance.

MP, USA, 1946. 10 min, sd, b&w. Order no. MF 1254.

Study of the successful orthopedic rehabilitation and personal psychological adjustment of an amputee.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1610.

#### The Halifax incident.

MP, USN, 1950. 6 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-a.

Shows how misinterpretation of a ship's whistle signal caused the collision of the Halifax.

Buy from UWF. LC card FIE 52-931.

#### Hammers.

MP, USA, 1943. 11 min, sd, b&w. (Care and use of hand tools series, no. 4) Order no. TF 9-2029.

Explains the proper care and use of a machinist's ball, straight and cross peen hammers, sledge hammer, and a carpenter's claw hammer.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1539.

#### Hand dishwashing and general scullery practices.

MP, USN, 1953. 11 min, sd, b&w. Order no. MN 7461-a.

Explains necessary steps in efficient scullery operations, and demonstrates the scraping and pre-rinsing of utensils, proper uses of detergents, and washing and rinsing operations.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-659.

#### Hand soldering.

MP, USOE, 1944. 20 min, sd, b&w. (Accessory assembly series. Tools and procedures, no. 1) Order no. OE 479. With instructor's manual.

Theory of soldering; how to prepare soldering irons and torches; clean and prepare the work; fasten joints; solder wire and lug joints; and seal seams.

Buy from UWF. LC card FIE 52-318.

#### Hand soldering.

FS, USOE, 1944. 54 fr, b&w. (Accessory assembly series. Tools and procedures, no. 1) Order no. OE 479-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2778.

#### Hand spraying of DDT.

FS, USPHS, 1946. 72 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. Order no. 5-011.2.

Demonstrates the use of DDT residual spray in the home, methods of hand spraying, and the use and care of equipment. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-892.

#### Hand tools for fabric work.

FS, USN, 1942. 55 fr, b&w. Order no. SN 102.



Demonstrates how to sharpen a pocket knife; shows the straight shears, "pinking shears," the short straight needle, and the curved needle; and explains their use and care.

Buy from UWF. LC card FIE 52-1828.

**Handicraft town.**

MP, USECA, 1950. 10 min, sd, b&w.

The post-war rebirth of Maniago, a small town in Italy, through the importation of Marshall plan steel for the manufacture of fine cutlery. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-585.

**Handling a lifeboat under oars. Part 1: Rowing.**

MP, USCG, 1943. 12 min, sd, b&w. Order no. MCG 106.

Demonstrates the proper wrist and body movements in rowing, and the four phases of a complete stroke.

Buy from UWF. LC card FIE 52-854.

**Handling a lifeboat under oars. Part 2: Commands.**

MP, USCG, 1943. 10 min, sd, b&w. Order no. MCG 112.

Demonstrates the various commands used in handling a lifeboat under oars, and shows the proper stance for the coxswain and his men.

Buy from UWF. LC card FIE 52-849.

**Handling and care of ladders.**

FS, USFCDA, 1953. 60 fr, b&w. Order no. STF 5.

Shows how to carry, raise, and climb ladders in rescue work.

Buy from SVE. LC card FIE 55-515.

**Handling and use of glassware.**

FS, USPHS, 1952. 82 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Basic laboratory training for nonprofessional workers, no. 2) Order no. F 106-b.

Explains methods and precautions to be used in handling glassware in a laboratory.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-987.

**Handling livestock for market.**

MP, USOE, 1945. 21 min, sd, b&w. (Farm work series. Livestock, no. 3) Order no. OE 459. With instructor's manual.

Causes of losses in marketing livestock; how to prevent injuries to livestock on the farm, before shipment, when loading, and during shipment.

Buy from UWF. LC card FIE 52-360.

**Handling livestock for market.**

FS, USOE, 1945. 46 fr, b&w. (Farm work series. Livestock, no. 3) Order no. OE 459-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2816.

**Handling seaplanes on land.**

FS, USN, 1943. 36 fr, b&w. Order no. SN 2786.

Explains how to move seaplanes by hand, by tractor, and by taxiing; and how to secure seaplanes on land.

Buy from UWF. LC card FIE 52-1804.

**Hardness testing: Rockwell.**

MP, USOE, 1944. 18 min, sd, b&w. (Aircraft work series. Inspection, no. 5) Order no. OE 149. With instructor's manual.

Need for hardness testing; how to set up the Rockwell hardness tester; select and seat the penetrator; select and mount the anvil; adjust the timing of the machine; and test flat and curved surfaces.

Buy from UWF. LC card FIE 52-22.

**Hardness testing: Rockwell.**

FS, USOE, 1944. 49 fr, b&w. (Aircraft work series. Inspection, no. 5) Order no. OE 149-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2529.



**Harnessing floods.**

MP, USA-Eng, 1950. 14 min, sd, color.

Demonstrates the construction of a large earth dam, and explains the benefits derived from such a structure.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1982.

**Harvesting native grass seed.**

MP, USDA, 1945. 10 min, sd, color.

Shows methods of harvesting the seed of tall and short grasses, the use of a standard combine, methods of cleaning seed, and the value of using native grasses in soil and water conservation.

Rent from USDA film libraries. Withdrawn from sale in 1954. LC card FIE 52-416.

**Harvests for tomorrow.**

MP, USDA, 1941. 27 min, sd, b&w. Shows the basic need for soil conservation in New England and the use of soil building practices, particularly grasses and legumes.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-481.

**Hasty sign making.**

MP, USA, 1952. 21 min, sd, b&w. Order no. FB 246.

Demonstrates procedures to be followed, using an army kit of materials, in making signs by the silk screen process.

Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FIE 53-134.

**Hatch canopy.**

FS, USN, 1945. 90 fr, b&w. (Shipbuilding skills series. Sailmaking) Order no. SN 2343-n.

Supplements motion pictures with the titles: Hatch canopy: part 1, Measuring and drawing; part 2, Layout; part 3, Machining and finishing-off.

Buy from UWF. LC card FIE 52-1797.

**Hatch canopy. Part 1: Measuring and drawing.**

MP, USN, 1944. 18 min, sd, b&w. (Shipbuilding skills series. Sail-

making) Order no. MN 2343-b. Explains procedures for making rough sketch, taking measurements, and making isometric drawing for a hatch canopy.

Buy from UWF. LC card FIE 52-1239.

**Hatch canopy. Part 2: Layout.**

MP, USN, 1944. 22 min, sd, b&w. (Shipbuilding skills series. Sailmaking) Order no. MN 2343-c. Illustrates how scale drawing is used to make a floor layout, how canvas is marked and cut from floor layout and prepared for machining.

Buy from UWF. LC card FIE 52-1207.

**Hatch canopy. Part 3: Machining and finishing-off.**

MP, USN, 1944. 18 min, sd, b&w. (Shipbuilding skills series. Sailmaking) Order no. MN 2343-d. Shows rubbing of the edges and machining of the canvas; installing grommets; measuring, cutting, and stretching rope.

Buy from UWF. LC card FIE 52-1208.

**The haven.**

MP, USIA, 1954. 16 min, sd, b&w. Portrays the settlement in New Jersey of a group of Russian refugees and explains how they are making a new life for themselves in the United States. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-250.

**Hay is what you make it.**

MP, USDA, 1946. 18 min, sd, color.

Shows how to improve the quality of hay by cutting at the right stage of growth, curing the right length of time, and storing properly.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-467.

**Hay que alimentar la tierra.**

MP, USIAA, 1947. 9 min, sd, color. Spanish version of motion picture with title, The land must eat.



Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.

Buy from USIAA. Cleared for TV. LC card FIE 52-566.

**Hazards in ground operation of jet aircraft.**

MP, USN, 1950. 5 min, sd, color. (Flight safety series) Order no. MN 4353-p.

Explains through animation the exhaust blast, suction, and cooling hazards of jet propelled aircraft; and safety precautions to prevent injury to personnel and damage to jet engines.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1387.

**Hazards of dental radiography.**

MP, USNBS, 1954. 13 min, sd, color.

Illustrates the elementary physics concerned with dental radiography and, by showing actual radiographic procedures in the dental office, points out the hazards involved in the use of X-radiation by the dentist.

Borrow and buy from USNBS. LC card FIE 55-52.

**Head injury, report of a battle casualty.**

MP, USN, 1945. 11 min, sd, color. (Medicine in action series, no. 8) Order no. MN 3726-h.

Presents a cranial operation and demonstrates surgical and medical techniques involved. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-997.

**Head of the house.**

MP, USIA, 1953. 40 min, sd, b&w. Depicts the emotional problems of a young boy, his rebellion against parental controls, particularly his father's repressive disciplines, and his gradual development into a potential juvenile

delinquent. Shows the assistance of a community social worker and a neighborhood welfare house in bringing about development of better understanding between father and son. Stresses American spirit of public service and community concern for child welfare. Prepared for overseas use. Buy from UWF. LC card FIE 54-243.

**Health for the Americas series**

Cleanliness brings health

Environmental sanitation

Hookworm

How disease travels

The human body

Infant care

Insects as carriers of disease

Planning for good eating

Tuberculosis

What is disease?

**Heart-lung preparation.**

MP, USA, 1950. 17 min, sd, color. Order no. PMF 5170.

Demonstrates on an experimental animal the isolation of heart, lungs, and associated large blood vessels from the brain, abdominal viscera, and extremities while maintaining heart beat under artificial respiration. For medical personnel.

Borrow from USAFIP. LC card FIE 53-22.

**Heart of the Inca empire.**

MP, USOIAA, 1943. 22 min, sd, color.

Shows and explains the history of the ruins of the famous Inca city of Machu Picchunáar Cusco, Peru.

Rent from some USOIAA film libraries. Buy from UWF. LC card FIE 52-709.

**Heat and its control.**

MP, USBM, 1942. 20 min, sd, b&w. Order no. 192.

Emphasizes the importance of controlling heat and the many roles heat plays in present-day life; explains three methods of heat transfer--radiation, convection, and conduction; and shows the manufacture and use of



insulating materials such as magnesia, rock-wool, asbestos, and celite,  
Borrow from USBM. Cleared for TV. LC card FIE 52-626.

**Heat disorders: Heat exhaustion, heat stroke, and cramps.**  
 MP, USA, 1952. 25 min, sd, b&w.  
 Order no. PMF 5167.

Explains the causes, symptoms, treatment, and preventive measures for three common heat disorders: heat exhaustion, heat stroke, and heat cramps. Through animated diagrams analyzes the physiological aspects of the undue heat load, the common cause of various heat disorders.

Borrow from USAFIP. LC card FIE 54-58.

**Heat exhaustion, sunstroke, and burns.**

MP, USN, 1947. 8 min, sd, b&w.  
 (Personnel damage control series) Order no. MN 6466-b.

Explains the symptoms and demonstrates first-aid measures for heat exhaustion, sunstroke, and burns. Defines first, second, and third degree burns.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1376.

**Heat treatment of steel series.**  
 See Engineering series. Heat treatment of steel.

**Heat treatment of aluminum, film 1.**

MP, USOE, 1945. 19 min, sd, b&w.  
 (Engineering series) Order no. OE 344. With instructor's manual. Purpose of heat treatment; microstructure changes during heat treatment; procedure of heat treatment; aging or precipitation hardening; effects of heat treatment on the physical properties of aluminum.

Buy from UWF. LC card FIE 52-161.

**Heat treatment of aluminum, film 1.**

FS, USOE, 1945. 47 fr, b&w.  
 (Engineering series) Order no. OE 344-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2641.

**Heat treatment of aluminum, film 2.**

MP, USOE, 1945. 24 min, sd, b&w.  
 (Engineering series) Order no. OE 345. With instructor's manual. Nature of cold-working operations; microstructure changes during cold working and during annealing; cold working and annealing operations.

Buy from UWF. LC card FIE 52-162.

**Heat treatment of aluminum, film 2.**

FS, USOE, 1945. 41 fr, b&w.  
 (Engineering series) Order no. OE 345-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2642.

**Heavy lifts.**

MP, USA, 1952. 21 min, sd, b&w.  
 (Military stevedoring series, no. 7) Order no. TF 55-1744.

Demonstrates proper techniques to be used in the slinging, lifting, steadying, lowering, bracing, and lashing of various types of heavy equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2007.

**The heavy weapons company in attack.**

MP, USA, 1950. 30 min, sd, b&w.  
 Order no. TF 7-1542.

Presents a typical day in combat showing the proper use of a heavy weapons company--using light and heavy machine guns, 75mm rifles, and 81mm mortars--in support of a battalion attack.

Borrow from USA. Cleared for TV. LC card FIE 55-159.

**Height gages and test indicators.**

MP, USOE, 1941. 12 min, sd, b&w.  
 (Machine shop work series. Pre-



cision measurement no. 5) Order no. OE 5. With instructor's manual.

Principles and parts of the vernier height gage; how to use the gage to lay out holes and to set test indicators; and how to use test indicators to check the accuracy of machined surfaces. Buy from UWF. LC card FIE 51-9.

Height gages and test indicators. FS, USOE, 1943. 34 fr, b&w. (Machine shop work series. Precision measurement, no. 5) Order no. OE 5-fs.

Supplements motion picture with the same title. Buy from UWF. LC card FIE 51-10.

Helicopter special delivery. MP, USA, 1953. 11 min, sd, b&w. Order no. MF 45-7945.

Portrays a river crossing effected through the use of a helicopter company, in which the "whirly-birds" not only deliver men, artillery, and ammunition, but also carry back the wounded. Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-159.

Hell for leather. MP, USA, 1946. 10 min, sd, b&w. (Pride of outfit series) Order no. MF 1278.

History of the U.S. 1st Cavalry Division, particularly during World War II. Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1698.

The helping hand. MP, US Defense, 1949. 9 min, sd, b&w. Order no. AFSR 105. On same reel with film, Sky jeep. Assistance of U.S. occupation forces in the economic recovery of Japan.

Buy from UWF. Cleared for TV. LC card FIE 52-1648.

Helping teachers to understand children, part 1. MP, USIA, 1953. 21 min, sd, b&w. Tells the story of the work of

the Institute for Child Study at the University of Maryland and shows how a school faculty may set up a local child study program and receive guidance and aid from the Institute. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-244.

Helping teachers to understand children, part 2.

MP, USIA, 1953. 25 min, sd, b&w. Describes a summer workshop conducted at the Institute for Child Study at the University of Maryland. Shows the various activities that aid in making the group more fully aware of the many forces that affect a child's personality, his approach to other children, adults, and his school studies. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-245.

Hematological technique: Collecting blood samples.

MP, USN, 1954. 7 min, sd, color. (Medical laboratory techniques series) Order no. MN 9375-a. Demonstrates the proper method for collecting blood samples from the finger.

Buy from UWF. LC card FIE 54-431.

Hematological technique for charging the hemocytometer.

MP, USN, 1954. 6 min, sd, color. (Medical laboratory techniques series) Order no. MN 9375-b. Demonstrates the proper method for taking a blood count of red and white corpuscles.

Buy from UWF. LC card FIE 54-432.

Hemimandibulectomy and immediate restoration with acrylic implant.

MP, USVA, 1954. 25 min, sd, color. Presents a case of adamantinoma and demonstrates the resection of the left hemimandible, including the condyle, and the imme-



diate implantation of an acrylic prosthesis.

Borrow from USVA. Buy from UWF. LC card FIE 54-399.

**Hemolytic streptococcus control.**  
MP, USN, 1945. 13 min, sd, b&w.  
Order no. MN 4393.

Stresses the need for more careful diagnosis of streptococcus cases in sick bay; and the use of better control measures in barracks and dispensaries, especially during epidemics.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1347.

**Hemothorax with a consideration for specific remedial breathing exercises.**

MP, USA, 1946. 41 min, sd, color. (Thoracic surgery series, no. 1)  
Order no. PMF 5016.

Describes pathologic, diagnostic, and therapeutic aspects of hemothorax and other disorders of the pleura and pleural cavity. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2221.

**Henry's story.**

MP, USECA, 1950. 17 min, sd, b&w.

Story of the rebuilding of the French barge fleet on the Rhine with American prefabricated barges imported from the United States under the Marshall plan, and the contribution of this fleet to French recovery. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-584.

**The hepatic parenchyma and the biliary passages.**

See The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages.

**Herald Tribun. youth forum.**

MP, USIA, 1951. 38 min, sd, b&w. Covers a visit to the United States of 25 students from Eastern and Middle Asia, their participation in the fifth annual forum for high-school students held by the New

York Herald Tribune, and their impressions of the United States. Prepared for overseas use.

Buy from UWF. LC card FIE 52-893.

**Hereditary ataxia.**

MP, USA, 1949. 31 min, sd, color.  
Order no. PMF 5140.

Explains hereditary and clinical characteristics of hereditary ataxia, including early symptoms, later indications, and signs of advanced stages. Discusses diagnostic procedures. For medical personnel.

Borrow from USAFIP. LC card FIE 53-28.

**A heritage we guard.**

MP, USDA, 1940. 30 min, sd, b&w. Traces the exploitation of land, forests, and wildlife in the westward movement of trappers and settlers; shows the consequences of this wastage, and emphasizes the relationship between wildlife and soil conservation.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-429.

**He's your prisoner.**

MP, USA, 1948. 27 min, sd, b&w.  
Order no. TF 19-1500.

Demonstrates proper methods and procedures to be followed by prison guards on duty at a stockade, and in guarding prisoners away from the stockade.

Borrow from USA. Cleared for TV. LC card FIE 55-135.

**The Hessian fly and its control.**  
FS, USDA, 1947. 33 fr, single or double, b&w. Order no. 407. With lecture notes.

Explains the history and life habits of the Hessian fly and recommends measures for its control.

Buy from PhotoLab. LC card FIE 52-2859.

**Hidden assets.**

MP, USA-Eng, 1948. 34 min, sd, color.

Portrays recreational facilities available at Norfolk reservoir on



the North Fork River in Arkansas.  
Borrow from USA-Eng. Cleared  
for TV. LC card FIE 52-1988.

**High frequency soldering.**

MP, USOE, 1944. 17 min, sd, b&w.  
(Accessory assembly series.  
Tools and procedures, no. 2)  
Order no. OE 480. With instruc-  
tor's manual.

Theory of high frequency heating;  
how to select a work coil and  
leads; tune a converter; deter-  
mine correct soldering time and  
temperature; and use an auto-  
matic timer.

Buy from UWF. LC card FIE  
52-319.

**High frequency soldering.**

FS, USOE, 1945. 57 fr, b&w.  
(Accessory assembly series.  
Tools and procedures, no. 2)  
Order no. OE 480-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2777.

**High impact shock on electrical  
equipment.**

MP, USN, 1944. 19 min, sd, b&w.  
Order no MN 3470.

Effect of near-miss explosions  
on ships; results of high pressure  
vibrations and direct hits; factory  
testing of equipment for shock  
proof qualities; danger of near-  
miss explosions. Straight photo-  
graphy and animation.

Buy from UWF. LC card FIE  
52-1133.

**High plain.**

MP, USOIAA, 1943. 20 min, sd,  
b&w.

Portrays and describes the lives  
of the descendants of the Aymara  
tribe living on the high plain of  
Bolivia.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE  
52-710.

**High speed air flow for airfoils  
(compressibility).**

MP, USNACA, 1944. 30 min, si,  
b&w.

Pictures of high-speed air flow  
over airfoils and the shock waves  
and effect of compression at  
speeds approaching and above  
that of sound. Includes views of  
NACA high-speed rectangular  
wind tunnel and the schlieren  
apparatus. For use by technical  
personnel.

Borrow from USNACA. LC card  
FIE 54-198.

**The high speed blender.**

FS, USPHS, 1952. 81 fr, color  
with disc: 16 in, 33 1/3 rpm,  
13 min. (Infectious hazards of  
bacteriological techniques, no.  
4) Order no. F 57-e.

Demonstrates how a high speed  
blender may liberate dangerous  
aerosols from cultures of infec-  
tious organisms, and suggests  
the use of a ventilated safety  
cabinet.

Borrow from USPHS-CDC. Buy  
from UWF. LC card FIE 53-1053.

**High-speed flight research at  
Muroc.**

MP, USNACA, 1952. 21 min, sd,  
color. Also released as a silent  
film with the title, NACA high-  
speed flight research station.  
Shows some of the highly-instru-  
mented aircraft and operations  
in a program of flight research  
at speeds approaching and  
exceeding the speed of sound,  
conducted by the NACA in coop-  
eration with the U.S. Air Force,  
U.S. Navy, and aircraft manu-  
facturers. For use by technical  
personnel.

Borrow from USNACA. LC card  
FIE 54-199.

**High-speed photographs of auto-  
ignition and knock in a spark-ignition  
reciprocating engine.**

MP, USNACA, 1950. 40 min, sd,  
b&w. Order no. TF 20.

High-speed pictures of the com-  
bustion process in a spark-igni-  
tion reciprocating engine. For  
technical personnel, to be used  
with NACA Report 855: "Rela-  
tion between spark-ignition en-  
gine knock, detonation waves, and  
autoignition as shown by high-



speed photography," and with NACA Report 857: "Analysis of spark-ignition engine knock as seen in photographs taken at 200,000 frames per second."

Borrow from USNACA. LC card FIE 54-200.

**High spots of a high country.**

MP, USOIAA, 1942. 19 min, sd, color. (Guatemala sketch book series, no. 1)

General view of Guatemala from the capital to ruined Antigua; also scenes of the typical industries of the country.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-683.

**High-temperature short-time pasteurization.**

MP, USPHS, 1951. 21 min, sd, b&w. Order no. M 10-a.

Explains the standards for high-temperature, short-time pasteurization of milk and the inspection procedures to be followed by a milk sanitarian, including checking the accuracy of the thermometer, functioning of the recorder-controller, pressure in the regenerator, accuracy of the diversion valve, and duration of the holding time.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-156.

**High-temperature short-time pasteurization: Equipment and controls.**

FS, USPHS, 1951. 96 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. Order no. F 10-a.

Shows the essential components of a high-temperature short-time pasteurization installation, its structure, flow plan, and operating principles.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-856.

**Higher and faster.**

MP, US Defense, 1948. 19 min, sd, b&w. Order no. AF8R 99. Traces the rapid advancement in the construction of airplanes since the time of the Wright Brothers; and the role of air-

planes in achieving victory in World Wars I and II.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1404.

**Highline.**

MP, USDI-BPA, 1950. 20 min, sd, color.

Explanation and pictorial survey of the construction and operation of the transmission network of the Bonneville Power Administration for marketing hydro-electric power from Bonneville and Grand Coulee Dams.

Borrow from USDI-BPA. Buy from Con Film. LC card FIE 54-309.

**Highways in the sky.**

MP, USAF, 1953. 29 min, sd, color. Order no. TF 1-4803.

Describes the intricate steps and instruments that make possible precision in map and chart making necessary to aerial navigation.

Borrow from USAF. Cleared for TV. LC card FIE 54-394.

**Hill towns of Guatemala.**

MP, USOIAA, 1942. 10 min, sd, color. (Guatemala sketch book series, no. 2)

Shows the people of the mountains and how they live; depicts the market of Chichi castenango and a village on Lake Atitlan.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-729.

**The histopathology of human fungus infections series.**

Cutaneous infections  
Subcutaneous infections  
Superficial infections  
Systemic infections

**Histopathological technique: Processing a gross specimen.**

MP, USN, 1954. 10 min, sd, color. (Medical laboratory techniques series) Order no. MN 9375-d. Demonstrates the methods involved in preparing and freezing a gross specimen.

Buy from UWF. LC card FIE 54-433.



**Historic rural homes.**

FS, USDA, 1936. 48 fr, b&w.  
Order no. 334. With lecture notes.  
Photographs of famous farm  
homes which are of interest be-  
cause of their association with  
leaders in American history and  
American agriculture.  
Buy from PhotoLab. LC card  
FIE 52-2826.

**Historical reports series**

The Admiralty Islands  
American First Army: Aachen  
to the Roer River  
American Ninth Army: Aachen  
to the Roer River  
Bougainville  
D-day convoy  
Invasion of southern France  
Military pipeline system: CBI  
theater  
Naples to Cassino  
Sicily to Naples

**History and development of agri-  
cultural implements and machin-  
ery.**

FS, USDA, 1942. 54 fr, b&w.  
Order no. 335. With lecture notes.  
History and development of plows,  
cultivators, planters, seeders,  
grain harvesters, and threshing  
machines from before 1850 to the  
early part of the twentieth  
century.

Withdrawn from active circula-  
tion in 1952. LC card FIE 52-2891.

**History of the United States Navy  
series**

The naval wars with France and  
Tripoli  
War of Independence, 1775-1783

**Hit the beach.**

MP, USA, 1950. 18 min, sd, b&w.  
Order no. MF 7727.

Film record of operation MIKI,  
the joint Army-Navy rehearsal  
maneuvers in October 1949 on the  
Island of Oahu in Hawaii.

Borrow from USA. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-2058.

**Hobbing a helical gear: Two cuts,  
nondifferential method.**

MP, USOE, 1945. 17 min, sd,  
b&w. (Machine shop work series.

Operations on the gear hobbing  
machine, no. 5) Order no. OE  
235. With instructor's manual.  
How to set up the change gears;  
adjust the swivel head to cut on  
the helix angle; set up the ma-  
chine for the rough cut; and  
realign hob and gear teeth.  
Buy from UWF. LC card FIE  
51-583.

**Hobbing a helical gear: Two cuts,  
nondifferential method.**

FS, USOE, 1945. 51 fr, b&w.  
(Machine shop work series. Op-  
erations on the gear hobbing  
machine, no. 5) Order no. OE  
235-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
51-91.

**Hobbing a spur gear. Part 1: Set-  
ting up the change gears.**

MP, USOE, 1945. 15 min, sd, b&w.  
(Machine shop work series. Op-  
erations on the gear hobbing ma-  
chine, no. 1) Order no. OE 231.  
With instructor's manual.

Selection of the hob; how to select  
change-gear combinations for  
speed, feed, and index; identify  
the correct gears; mount the  
change gears; adjust for backlash;  
and how the change-gear trains  
are interrelated.

Buy from UWF. LC card FIE  
52-16.

**Hobbing a spur gear. Part 1: Set-  
ting up the change gears.**

FS, USOE, 1945. 48 fr, b&w.  
(Machine shop work series. Op-  
erations on the gear hobbing ma-  
chine, no. 1) Order no. OE 231-fs.  
Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2510.

**Hobbing a spur gear. Part 2: Set-  
ting up and hobbing the work.**

MP, USOE, 1945. 24 min, sd, b&w.  
(Machine shop work series. Op-  
erations on the gear hobbing ma-  
chine, no. 2) Order no. OE 232.  
With instructor's manual.



How to select and mount the hob; set the swivel head angle; choose and mount the fixture; load the gear blanks; set up for depth of trial cut; and adjust for full depth of cut.

Buy from UWF. LC card F1E 52-17.

**Hobbing a spur gear. Part 2: Setting up and hobbing the work.**

FS, USOE, 1945. 49 fr, b&w. (Machine shop work series. Operations on the gear hobbing machine, no. 2) Order no. OE 232-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 52-2518.

**Hobbing a square tooth spline shaft.**

MP, USOE, 1945. 17 min, sd, b&w. (Machine shop work series. Operations on the gear hobbing machine, no. 3) Order no. OE 233. With instructor's manual.

How to change hob arbors; centralize the hob with the centering gage; mount the center-type fixture and the top adjustable center; use a driving dog in mounting the spline shaft; set up for the trial cut; and take full depth of cut.

Buy from UWF. LC card F1E 51-584.

**Hobbing a square tooth spline shaft.**

FS, USOE, 1945. 45 fr, b&w. (Machine shop work series. Operations on the gear hobbing machine, no. 3) Order no. OE 233-fs. Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-93.

**Hobbing a worm gear: Infeed method.**

MP, USOE, 1945. 18 min, sd, b&w. (Machine shop work series. Operations on the gear hobbing machine, no. 4) Order no. OE 234. With instructor's manual.

Angle at which to set the swivel head; how to calculate and adjust the height of the hob arbor; en-

gage horizontal feed; centralize the hob; and cut to a center distance.

Buy from UWF. LC card F1E 51-586.

**Hobbing a worm gear: Infeed method.**

FS, USOE, 1945. 35 fr, b&w. (Machine shop work series. Operations on the gear hobbing machine, no. 4) Order no. OE 234-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card F1E 51-92.

**Hog houses and equipment.**

FS, USDA, 1940. 30 fr, b&w. Order no. 53. With lecture notes. Illustrations of A-type and box-type houses, loading chutes, feeders, dipping vat, waterer, concrete wallow, and other equipment.

Buy from PhotoLab. LC card F1E 52-2852.

**Home.**

FS, USA, 1950. 19 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-11.

Explains that the home is the "cradle of democracy" and a "training base" for honesty, cooperation, generosity, perseverance, and courage. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card F1E 52-2961.

**Home-grown food: Production, preservation.**

FS, USDA, 1945. 64 fr, single or double, b&w. Order no. 663. With lecture notes.

Explains how farm and urban families have increased food production and preservation.

Buy from PhotoLab. LC card F1E 52-2823.

**Home grown plants for transplanting.**

FS, USDA, 1945. 37 fr, single or double, b&w. Order no. 656. With lecture notes.



Shows how to grow plants in the home for setting out in the garden.

Buy from PhotoLab. LC card FIE 52-2845.

**Home on the range.**

MP, USDA, 1946. 9 min, sd, b&w. Revision of the film, same title, released in 1942 through U.S. Office of War Information.

Portrays the western range country, ranch life, and the grazing of cattle.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-432.

**Home safety and health departments.**

FS, USPHS, 1949. 91 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. Order no. 5-118.

Stresses the importance of safety in the home and mentions ways in which health department personnel can promote home safety.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-935.

**Homecoming airlift.**

MP, USAF, 1953. 10 min, sd, b&w. Order no. SFP 307.

Describes the repatriation of the first groups of American prisoners of war and their return home from Korea to Japan to Travis Air Force Base in California.

Borrow from USAF. Cleared for TV. LC card FIE 53-245.

**Homemaking in colonial days.**

FS, USDA, 1939. 64 fr, b&w. Order no. 555. With lecture notes. Shows early American home interiors, furniture, and utensils; and in contrast, modern home conveniences.

Buy from PhotoLab. LC card FIE 52-2919.

**Honor awards ceremony, 1948.**

MP, USDA, 1948. 9 min, sd, color.

Records the highlights of the 1948 honor awards ceremony of the Dept. of Agriculture and de-

scribes the public service of recipients of awards.

Borrow from USDA. LC card FIE 53-366.

**Hookworm.**

MP, USOIAA, 1945. 10 min, sd, color. (Health for the Americas series)

Explains how a family is reduced to weakness and poverty by hookworms and how they rid themselves of illness; emphasizes preventive sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-529.

**Hookworm disease and hookworm infection.**

FS, USPHS, 1948. 77 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-073.

Gives a general explanation of the history, diagnosis, treatment, and prevention of hookworm disease.

Borrow from USPHS-CDC. LC card FIE 53-916.

**Hoover Dam.**

MP, USBR, 1937. 35 min, sd, b&w. Film record of the construction of Hoover Dam. Primarily for engineers.

Borrow from USBR. LC card FIE 54-135.

**Hoover Dam.**

MP, USBR, 1937. 40 min, st, at sd. speed, b&w.

Covers same material as in sound motion picture with the same title.

Borrow from USBR. LC card FIE 54-136.

**Hoover Dam.**

MP, USIA, 1949. 33 min, sd, b&w. Reviews the building of Hoover Dam and explains its values in furnishing irrigation water and electric power to the people in the southwestern United States. Prepared for overseas use.

Buy from UWF. LC card FIE 52-894.

**Horizons of syphilis.**

FS, USPHS, 1949. 80 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. Order no. 5-086.



Explains through drawings and statistical charts the most common ways in which syphilis, if untreated, affects man.

Borrow from USPHS-CDC. LC card FIE 53-923.

**Horse bots and how to fight them.**  
FS, USDA, 1936. 39 fr, b&w. Order no. 405. With lecture notes. Explains the life cycle of botflies; shows their attack and effect upon horses; and demonstrates methods of control.

Withdrawn from active circulation in 1952. LC card FIE 52-2896.

**Horse sense.**

MP, USDA, 1953. 23 min, sd, color or b&w.

How to mount, ride, and care for a horse. Prepared for the training of new U.S. Forest Service employees.

Borrow from USFS. Cleared for TV. LC card FIE 53-594.

**Horsemanship series, nos. 1-5**

Saddling and bridling  
Mounting and military seat  
Aids and gaits  
Suppling exercises  
Jumping and cross country riding

**Horsemastership: Care of animals in the field.**

MP, USA, 1943. 31 min, sd, b&w. Order no. TF 2-2167.

Demonstrates complete care of a horse by a trooper in the field, including rest periods, inspection of the hoofs, noting all reins, clinches, etc.

Borrow from USA. Buy from UWF. LC card FIE 52-1495.

**Horses and bots.**

MP, USDA, 1933. 30 min, sl, b&w. Shows three types of botflies and how they attack and affect horses and mules; explains methods of treating the affected animals; and describes campaigns of eradication.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-1936.

**Horseshoeing.**

MP, USOE, 1944. 19 min, sd, b&w. (Farm work series. Livestock, no. 2) Order no. OE 458. With instructor's manual.

How to handle a horse during shoeing; prepare the feet; select, fit, and nail on shoes; take off shoes; and tighten old shoes on a horse.

Buy from UWF. LC card FIE 52-314.

**Horseshoeing.**

FS, USOE, 1944. 41 fr, b&w. (Farm work series. Livestock, no. 2) Order no. OE 458-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2781.

**La hortaliza en casa.**

MP, USHIAA, 1947. 7 min, sd, color. Spanish version of motion picture with title, Better eating. Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.

Buy from USHIAA. Cleared for TV. LC card FIE 52-571.

**Hortas.**

MP, USHIAA, 1947. 7 min, sd, color. Portuguese version of motion picture with title, Better eating.

Explains how to use idle land around a rural home for growing vegetables for home consumption, and how to plant and care for such a garden.

Buy from USHIAA. Cleared for TV. LC card FIE 52-570.

**Hospital afloat.**

MP, USN, 1952. 12 min, sd, b&w. Order no. MN 7371.

Documentary film record of a marine who is wounded in action in Korea. Shows treatment on the battlefield, an operation aboard a Navy hospital ship, and the recovery of the wounded man.

Borrow from USN. Cleared for TV. LC card FIE 52-1285.



**Hospital food service personnel training. Part 1: Introduction.**  
MP, USA, 1953. 16 min, sd, b&w.  
Order no. TF 8-1841.

Shows the departments, equipment, menu planning, and food preparation procedures typical of hospital food service.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 54-11.

**Hospital food service personnel training. Part 2: The individual.**  
MP, USA, 1949. 13 min, sd, b&w.  
Order no. TF 8-1576.

Ways to prevent communicable diseases associated with improper food handling; health, cleanliness, personal appearance, and sanitary work habits.

Borrow from USAF or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-1525.

**Hospital food service personnel training. Part 3: Equipment.**  
MP, USA, 1949. 12 min, sd, b&w.  
Order no. TF 8-1577.

How to clean kitchen equipment; loosen, dissolve, and emulsify dirt; rinse and dry equipment; and prevent food poisoning.

Borrow from USAF or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-1526.

**Hospital food service personnel training. Part 4: Serving food.**  
MP, USA, 1950. 15 min, sd, color.  
Order no. TF 8-1578.

Emphasizes principles of good food preparation and service in hospitals--proper temperature, correct quantity, selection of food to meet patient's requirements, and courteous attention by food service personnel.

Borrow from USA, USAF, or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-2077.

**The hospital of tomorrow.**  
FS, USPHS, 1948. 53 fr, b&w.  
Order no. 5-100. With script.  
Explains the need for more and better hospitals in the United States and the provisions of the

**Hospital survey and construction act of 1946.**

Borrow from USPHS-CDC.  
LC card FIE 53-929.

**Hospital sanitation.**

MP, USA, 1951. 14 min, sd, b&w.  
Order no. TF 8-1708.

Describes ways and means to keep wards germ-free, and indicates precautions to take in cleaning contaminated bedding in an isolated ward.

Borrow from USAFIP.  
LC card FIE 54-84.

**The house in the middle.**

MP, USFCDA, 1953. 6 min, sd, b&w.

Shows that in a fire test of the Atomic Energy Commission one out of three small houses (the house in the middle) withstood the fire effects of an atomic explosion because it was free of litter and trash, made of good materials, and properly painted.

Borrow from USFCDA.  
Buy from Byron.  
Cleared for TV.  
LC card FIE 53-616.

**The housefly and its control.**

FS, USDA, 1947. 34 fr, single or double, b&w. Order no. 681. With lecture notes.

Shows how to reduce the number of flies by eliminating breeding places and by destroying insects and larvae with modern chemical insecticides.

Withdrawn from active circulation in 1952.  
LC card FIE 52-2831.

**Housing in Chile.**

MP, USOIAA, 1943. 18 min, sd, b&w.

Shows steps being taken in Chile to alleviate the housing problem, and particularly a family in Santiago being moved from the slums to a new housing project.

Rent from USOIAA film libraries.  
Buy from UWF.  
LC card FIE 52-738.

**How animal life begins.**

MP, USDA, 1939. 9 min, sd, b&w.  
Short version, prepared for school use, of 1 1/2 the beginning.



Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-424.

**How disease travels.**

MP, USOIAA, 1945. 11 min, sd, color. (Health for the Americas series)

Shows how disease microbes are spread in a community by water, flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-535.

**How do you do, boys.**

MP, USBIA, 1954. 5 min, sd, b&w. (Repetitive impact social skills series)

Explains and demonstrates how to introduce other people and to acknowledge introductions. Produced for use in U.S. Indian schools.

Buy from USBIA. LC card FIE 55-63.

**How do you do, girls.**

MP, USBIA, 1954. 5 min, sd, b&w. (Repetitive impact social skills series)

Explains and demonstrates how to introduce other people and to acknowledge introductions. Produced for use in U.S. Indian schools.

Buy from USBIA. LC card FIE 55-62.

**How free am I?**

FS, USA, 1951. 47 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-18.

Explains certain aspects of freedom as conditioned by respect for the law and moral principles and by purposes and situations in life. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2968.

**How seeds germinate.**

MP, USDA, 1931. 10 min, sl, b&w. Shows by means of time-lapse photography the germination of crimson clover and spring vetch over periods of 3 to 7 days.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-477.

**How to brase aluminum.**

MP, USBM, 1946. 7 min, sd, b&w. Order no. 219.

Demonstrates the process of joining thin aluminum sections by means of brasing; shows the importance of preparing the aluminum surfaces; describes automatic temperature control in heating furnaces; discusses alloys and temperature differentials.

Borrow from USBM. Cleared for TV. LC card FIE 52-647.

**How to check and surface foundations.**

MP, USOE, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 1) Order no. OE 95. With instructor's manual.

How to check the location of machinery foundations to blueprint specifications; align and level foundations; and surface or smooth foundations.

Buy from UWF. LC card FIE 52-217.

**How to check and surface foundations.**

FS, USOE, 1944. 35 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 1) Order no. OE 95-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2697.

**How to conduct a meeting.**

MP, USA-CAD, 1950. 20 min, sd, b&w.

Shows the proper procedures of parliamentary law to be followed in conducting a meeting so that the decisions will be representa-



tive of the majority. Prepared for use in occupied areas.

Buy from UWF. LC card FIE 52-1951.

**How to form aluminum series**

Blanking and piercing

Drawing, stretching, and stamping

General sheet metal practice

Spinning

Tube and shape bending

**How to get along in a foreign country.**

MP, US Defense, 1953. 16 min, sd, b&w. Order no. AFIF 44.

Stresses the importance of the behavior of U.S. military personnel stationed in foreign countries.

Borrow from USA or USAF. Cleared for TV. LC card FIE 54-96.

**How to get along in France.**

MP, US Defense, 1953. 30 min, sd, b&w. Order no. AFIF 40.

Explains the antagonistic reactions of the French to American soldiers as being staged by the Communist Party; portrays details of French family life, customs, government, and politics; and emphasizes that American servicemen must learn and adapt themselves to the French ways of living.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-476.

**How to grow hogs.**

MP, USDA, 1930. 26 min, st, b&w.

Shows the importance of the quality of stock; describes approved practices in feeding, pasturing, and weaning pigs; and explains methods of preventing parasitic and other diseases.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-464.

**How to machine aluminum.**

MP, USBM, 1942. 32 min, sd, b&w. Order no. 194.

Discusses different alloys of cast and wrought aluminum; the use of hand tools and the metals best

suited for such tools; cutting compounds; the importance of the top, back, and side rake; clearance and cutting angles of machine tools; and the different uses of various machine tools.

Borrow from USBM. Cleared for TV. LC card FIE 52-628.

**How to measure deterioration in dwellings.**

FS, USPHS, 1949. 92 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-131.

Explains various types of deterioration found in dwellings and methods of judging and measuring such deterioration accurately, objectively, and uniformly.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-943.

**How to operate the Army 16 mm sound projector set.**

MP, USA, 1952. 31 min, sd, b&w. Order no. TF 11-1752.

Demonstrates and explains the operation of a 16 mm. motion picture projector.

Borrow from USA. Buy from UWF. LC card FIE 52-2088.

**How to remove and reinstall radio equipment.**

FS, USN, 1942. 46 fr, b&w. Order no. SN 656.

Demonstrates removal and installation of the LM-RU-GF-DU radio equipment.

Buy from UWF. LC card FIE 52-1876.

**How to rivet aluminum.**

MP, USBM, 1942. 27 min, sd, b&w. Order no. 195.

Shows different types of rivets; riveting by hand, pneumatic hammers, and squeeze riveters; use of the buck-up set or dolly; blind riveting; and the removal of defective rivets.

Borrow from USBM. Cleared for TV. LC card FIE 52-629.

**How to use cold weather clothing.**

MP, USA, 1952. 14 min, sd, color. Order no. FG 10-21.

Explains briefly the physiological aspects of body heat, and de-



scribes in detail the types of clothing to be used by soldiers in avoiding injuries due to cold under various climatic conditions.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card no. FIE 53-165.

#### How to use navigational aids.

MP, USN, 1944. 7 min, sd, color. (Aids to navigation series) Order no. MN 202-ac.

Explains how to use navigational aids and interpret the symbols on nautical charts.

Buy from UWF. LC card FIE 52-1035.

#### How to weld aluminum series

Arc welding  
Resistance welding  
Torch welding

#### The human body.

MP, USOIAA, 1945. 9 min, sd, color. (Health for the Americas series)

Explains the importance of the human body; shows how its parts work; and stresses the values of fresh air and a variety of foods. Animated cartoon.

Buy from USILAA. LC card FIE 52-522.

#### Humility.

FS, USA, 1953. 34 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-35.

Cartoon drawings, illustrating various aspects of humility, including consideration for others, dependence upon God, and the humility of Washington and Lincoln. Prepared for use by Army Chaplains.

Borrow from USA. Buy from UWF. LC card FIE 53-1053.

#### Hunting the puma.

MP, USFWS, 1950. 15 min, sd, color.

An account of a mountain lion hunt showing the capture of a young lion and the freeing and shooting of a large stock-killing lion. Explains the need for con-

trolling the number of predatory pumas.

Borrow from USFWS. Buy from Calvin. Cleared for TV. LC card FIE 53-529.

#### Hurricane circuit.

MP, USIA, 1949. 23 min, sd, b&w. Traces the path of a hurricane through the Caribbean and the Gulf of Mexico, and explains the work of the U.S. Weather Bureau in predicting the course of the hurricane and issuing precautionary and emergency storm warnings. Shows in animation the nature of hurricanes. Prepared for overseas use.

Buy from UWF. LC card FIE 52-895.

#### Hurricane hunters.

MP, USAF, 1953. 15 min, sd, b&w. Order no. SFP 277.

Shows weathermen flying into the center of a hurricane to measure its force and plot its direction, and explains how such information is used by weather forecasters in issuing hurricane warnings.

Borrow from USAF. Cleared for TV. LC card FIE 53-613.

#### Hydraulic transmission series.

The fluid coupling, principles of operation

Theory and principles of operation, automatic shifting unit

#### Hydraulic valves series

Directional valves

Introduction to valves

Methods of operating valves

Simple valves

#### The hydraulic brake system.

MP, USOE, 1945. 12 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 7) Order no. OE 483. With instructor's manual.

How to check brake pedal travel; examine the brake lining; adjust the brake shoes; and inspect and adjust the hydraulic brake fluid system.

Buy from UWF. LC card FIE 52-355.



**The hydraulic brake system.**  
FS, USOE, 1945. 35 fr, b&w.  
(Automotive operation and main-  
tenance series. Preventive main-  
tenance, no. 7) Order no. OE  
483-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2811.

**Hydraulic brakes: Principles of  
operation.**

MP, USA, 1944. 24 min, sd, b&w.  
Order no. TF 9-2065.

Explains the principles and op-  
eration of hydraulic brakes and  
the advantages of liquid linkage.  
Borrow from USA or USAF. Buy  
from UWF. LC card FIE 52-1542.

**Hydraulic dredging.**

MP, USPHS, 1947. 5 min, sd,  
color. Order no. 4-044.

Contrasts clear lakes with those  
choked with vegetation or mud,  
in the same Florida locality;  
shows how to convert marshes  
into clear lakes with the use of  
hydraulic dredge. Consists of  
still pictures and drawings.

Borrow from USPHS-CDC. LC  
card FIE 52-2254.

**Hydraulic mechanisms.**

FS, USN, 1942. 50 fr, b&w. Order  
no. SN 111.

Explains the principle of a hy-  
draulic system; shows the three  
types of pumps and the pressure  
control type of relief valve which  
are used in hydraulic systems  
and explains their operation.

Borrow from USCAA film li-  
braries. LC card FIE 54-779.

**Hydraulic struts.**

FS, USN, 1943. 37 fr, b&w. Order  
no. SN 2792.

Explains the principles of opera-  
tion of hydraulic struts and in-  
dicates briefly their uses and  
importance.

Borrow from USCAA film li-  
braries. LC card FIE 54-780.

**Hydrographic surveying opera-  
tions of the Navy series**

**Establishing primary survey con-  
trol points**

**Secondary survey, control points,  
and hydrographic developments**

**Hydrography for charting: Posi-  
tion fixing.**

MP, USN, 1951. 12 min, sd,  
color. Order no. MN 7337-a.

Describes the theory and prac-  
tice of determining a vessel's  
position by three methods of  
hydrographic surveying--three  
point fix, radar ranging, and  
hyperbolic radio interference  
grids.

Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-2129.

**Hydrography for charting: Sound-  
ing and dragging.**

MP, USN, 1951. 12 min, sd,  
color. Order no. MN 7337-b.

Describes methods of determin-  
ing the depth of water and the  
instrumentation required. Also  
explains the equipment and tech-  
niques employed in wire dragging  
to guarantee obstruction-free  
depth of water.

Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-2130.

**Hydrotherapy.**

MP, USOE, 1945. 22 min, sd,  
b&w. (Nursing series) Order no.  
OE 410. With instructor's man-  
ual.

How to administer sedative baths,  
wet-sheet packs, tonic showers,  
douches, and sprays; special  
types of therapeutic baths; re-  
habilitation hydrotherapy in the  
Hubbard bath and rehabilitation  
pool; and physiological effects of  
hydrotherapy upon the body.

Buy from UWF. LC card FIE  
52-334.

**Hydrotherapy.**

FS, USOE, 1945. 55 fr, b&w.  
(Nursing series) Order no. OE  
410-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2786.



**Hydrotherapy procedures for the neuropsychiatric patient.**

MP, USVA, 1949. 22 min, sd, b&w. Demonstrates hydrotherapy procedures (including tubs, packs, and showers) for sedation and stimulation. Emphasizes the importance of care in handling patients with mental illness, and the importance of good relationships between the patient and the physical therapist.

Borrow from USVA. Buy from UWF. LC card FIE 53-93.

**Hymn of the nations.**

MP, USOWI, 1944. 28 min, sd, b&w.

Arturo Toscanini conducts the NBC Symphony Orchestra in a radio broadcast of Verdi's overture to "Forza del Destino"; the narrator recounts the contributions of Toscanini and other great Italians to democracy; and Toscanini conducts the NBC Symphony, the Westminster Choir, and Jan Peerce in a radio broadcast of Verdi's "Hymn of the Nations." Prepared for overseas use.

Buy from UWF. LC card FIE 52-741.

**The hypodermic syringe.**

FS, USPHS, 1952. 95 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Infectious hazards of bacteriological techniques, no. 2) Order no. F 57-c.

Shows and explains ways of avoiding hypodermic syringe techniques which may liberate dangerous aerosols from cultures of infectious organisms.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-1057.

**I went back.**

MP, USECA, 1950. 16 min, sd, b&w.

Story of the economic recovery of Italy, Austria, Greece, and Denmark after two years of Marshall aid. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-563.

**Ice breaker.**

MP, USN, 1952. 14 min, sd, b&w. Order no. MN 7336.

Record of the annual cruise of a Navy ice breaker from San Diego to Alaska and King Island to study ice conditions. Shows the ship in cold weather operations, life aboard ship during the cruise, and the crew's visit with natives of King Island.

Borrow from USN. Cleared for TV. LC card FIE 53-252.

**Ice formation on aircraft.**

MP, USN, 1943. 48 min, sd, b&w. (Aerology series) Order no. MN 119-a.

Shows processes of ice formation and effects of ice on aircraft, and explains how wing ice, ice in the Pitot tube, ice on the propeller, and ice in the carburetor become flying hazards. Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FIE 53-259.

**Iceland.**

MP, US Defense, 1954. 23 min, sd, b&w. Order no. AFIF 65.

Study of Iceland, covering its historical background, current social, economic, and political status, and strategic significance in Western defense plans.

Buy from UWF. LC card FIE 55-69.

**Ideas at work.**

MP, USECA, 1950. 14 min, sd, b&w.

Shows how increased productivity in the factory saves time and energy and raises the workers' standard of living, and how such increased productivity can be attained. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-583.

**Identification of female anophelines of the United States.**

FS, USPHS, 1946. 73 fr, color with disc: 16 in, 33 1/3 rpm, 21 min. Order no. 5-019.

Explains the distinguishing characteristics of 13 species of



anophelines--wing patterns, hind tarsi, palps, wing tips scales, knee spots, and halteres. Includes a test section of 10 pictures.  
Borrow from USPHS-CDC. LC card FIE 53-896.

**Identification of some common fleas.**

FS, USPHS, 1952. 59 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. F 101.

Explains important structures of the head, thorax, and abdomen used in identifying fleas; family characteristics of four families of fleas (Tungidae, Pulicidae, Ceratophyllidae, and Hystrihop-syllidae); and species characteristics of other fleas of public health importance.

Borrow from USPHS-CDC. LC card FIE 53-985.

**Identification of some common sucking lice.**

FS, USPHS, 1948. 60 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (Typhus control series) Order no. 5-097.

Explains the morphological characteristics used to identify six genera and eight species of the more common lice in the United States.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-928.

**Identification of some mosquitoes of public health importance.**

FS, USPHS, 1952. 56 fr, color with disc: 16 in, 33 1/3 rpm, 14 min. Order no. F 95.

Drawings, with captions, of various species of mosquitoes. The recording explains the system of distinguishing one species from another and of identifying each.

Borrow from USPHS-CDC. LC card FIE 54-712.

**Identification of some mosquitoes of public health importance.**

FS, USPHS, 1952. 42 double fr, color, Order no. S 95.

Drawings, with captions of various species of mosquitoes.

Borrow from USPHS-CDC. LC card FIE 54-707.

**Identification of South Pacific plants.**

FS, USN, 1944. 90 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Castaway series) Order no. SN 2306-d.

Explains how to recognize tropical fruits, plants and trees. Describes various uses to which foliage, fruits, and nuts can be put and whether or not cooking is necessary.

Buy from UWF. LC card FIE 52-1783.

**Identification of U. S. genera of adult female mosquitoes.**

FS, USPHS, 1948. 92 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order no. 5-015.

Explains the taxonomy of mosquitoes, morphologic characters used in identifying mosquito genera, and characteristics of the different genera.

Borrow from USPHS-CDC. LC card FIE 53-894.

**Identification of U.S. genera of adult ticks.**

FS, USPHS, 1950. 81 fr, b&w with disc: 16 in, 33 1/3 rpm, 14 min. Order no. 5-130.

Explains the morphological characters used in identifying 11 genera of adult ticks occurring in the United States.

Borrow from USPHS-CDC. LC card FIE 53-942.

**Identification of U.S. genera of mosquito larvae.**

FS, USPHS, 1947. 103 fr, color with disc: 16 in, 33 1/3 rpm, 18 min. Order no. 5-042.

Shows the essential larval characters used in determining genera of the United States mosquito larvae, and explains the basic nomenclature used in larval taxonomy.

Borrow from USPHS-CDC. LC card FIE 53-908.

**Identification of U.S. species of Anopheles larvae.**

FS, USPHS, 1950. 78 fr, b&w with disc: 16 in, 33 1/3 rpm, 16 min. Order no. 5-061.



Explains methods of distinguishing *Anopheles* larvae from larvae of other mosquitoes and aquatic insects; and gives a schematic key to differentiate the important characteristics of each species. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-912.

Identifying and precutting cable. MP, USOE, 1945. 19 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 3) Order no. OE 112. With instructor's manual.

Characteristics of VCLA cable used in merchant ships; how to compute cable size for identification; and identify and precut cable.

Buy from UWF. LC card FIE 52-231.

Identifying and precutting cable. FS, USOE, 1945. 26 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 3) Order no. OE 112-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2719.

Identifying pathogens.

FS, USPHS, 1950. 64 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (An introduction to bacteriology series, no. 2) Order no. 5-175.

Describes various genera of pathogenic bacteria, including *Salmonella*, *Shigella*, *Streptococcus*, *Mycobacterium*, *Brucella*, *Staphylococcus*, and *Clostridium*; and explains laboratory techniques for their identification, including microscopic examination, study of colony growth, study of enzyme action, animal inoculation, and serologic tests.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-970.

Idlewild: New York International Airport.

MP, USAF, 1949. 8 min, sd, b&w. Order no. SEP 2417.

Documentary film record of the opening of the New York International Airport at Idlewild in 1948. Includes scenes of U.S. Air Force and Navy demonstrations of formation flights of various types of airplanes, a glider released from its tow plane, and a helicopter rescue.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1426.

The ignition system.

FS, USCG, 1942. 68 fr, b&w. Order no. SCG 154-g.

Explains the construction and operation of coil, condenser, breaker points, distributor, and spark plugs.

Buy from UWF. LC card FIE 52-823.

Illinois waterway.

MP, USA-Eng, 1950. 42 min, sd, color.

Explains the importance of the Illinois waterway connecting the Great Lakes at Chicago to the Mississippi River.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-2001.

Immelman.

MP, USN, 1943. 11 min, sd, b&w. (Intermediate acrobatics series) Order no. MN 1325-d.

Demonstrates the procedure of executing an Immelman.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1009.

Immobilization of fractures: Intra-maxillary wiring; inter-maxillary elastic traction.

FS, USA, 1942. 36 fr, b&w. Order no. FS 8-37.

Demonstrates the application of wiring and elastic traction for fixation, using a simple and multiple loop wire for the traction.

For medical personnel.

Borrow from USAFIP. LC card FIE 53-823.

Importance of military packing.

MP, USN, 1953. 9 min, sd, b&w. Order no. MN 7946.



Explains differences between military and civilian supply routes; shows typical military handling methods; gives illustrations of the results of inadequate packaging; and emphasizes the importance of packaging according to military requirements.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-445.

Important diseases common to the tropics.

FS, USA, 1951. 110 fr, color. Order no. FS 8-148.

Shows histological slides on diseases common to the tropics.

Borrow from USAFIP. LC card FIE 54-723.

The impressionable years.

MP, USIA, 1952. 30 min, sd, b&w.

Portrays a little girl's first experience in the children's room of the New York Public Library, explains the appreciations which may develop in children through reading, and emphasizes freedom of choice and democratic relationships in the library. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2133.

Improving dairy herds.

FS, USDA, 1952. 39 double fr, color. Order no. C-25. With lecture notes.

Suggests methods of developing a high-producing and profitable dairy herd, particularly through selective breeding.

Buy from PhotoLab. LC card FIE 53-1049.

Improving the job.

MP, USOE, 1944. 9 min, sd, b&w.

(Problems in supervision series) Order no. OE 163, With instructor's manual.

A supervisor asks an employee for work-improvement suggestions; the employee talks the problem over with his father and sister, obtains their advice, and makes some worthwhile suggestions.

Buy from UWF. LC card FIE 52-66.

In common cause.

MP, USDA, 1945. 19 min, sd, b&w.

Shows the accomplishments of soil conservation districts and how they are formed and operated.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-482.

In hot water.

FS, USPHS, 1945. 75 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min.

(Our health in your hands series)

Shows how to wash, handle, and store dishes hygienically. Covers both hand dishwashing and the operation of dishwashing machines. For food handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FIE 53-877.

In self defense.

FS, USPHS, 1946. 68 fr, color with disc: 16 in, 33 1/3 rpm, 14 min.

Order no. 5-016.

Cartoon characters explain and portray defense measures to be used against the Anopheles mosquito, "Ann-the-awful."

Borrow from USPHS-CDC. LC card FIE 53-895.

In the beginning.

MP, USDA, 1937. 17 min, sd, b&w.

Revision of the film, Ovulation, fertilization, and early development of the mammalian egg.

Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-425.

Inauguration of President Truman.

MP, USA, 1949. 18 min, sd, b&w.

Order no. MF 7545.

Documentary coverage of the inauguration of President Truman, with highlights of the inaugural address.

Borrow from USA. Buy from UWF. LC card FIE 52-1621.



**The in-vitro test for virulence of *C. diphtheriae*.**

MP, USPHS, 1950. 12 min, sd, b&w. (Laboratory diagnosis of diphtheria series, no. 4) Order no. 4-106. With utilization guide.

Explains the principles and procedures of the in-vitro test for virulence of *Corynebacterium diphtheriae*, preparation of rabbit serum, special culture medium, culture plates, and interpretation of results of the test.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2248.

**The in-vitro test for virulence of *C. diphtheriae*.**

FS, USPHS, 1950. 53 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (Laboratory diagnosis of diphtheria series, no. 4) Order no. 5-163.

Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2979.

**Incendiary bombs. Part 1: Description and functioning.**

MP, USA, 1949. 20 min, sd, b&w. Order no. TF 3-1561.

Shows by means of animation the construction and functions of three small-size bombs (3, 6, and 10 pounds) and three large-size bombs (100, 500, and 1,000 pounds); and explains briefly the types of targets against which each bomb is used.

Borrow from USA. Cleared for TV. LC card FIE 52-2194.

**Independence Day, 175th anniversary.**

MP, US Defense, 1951. 6 min, sd, b&w. Order no. AFSR 135. On same reel with film, Aerobee.

A pictorial record of the observance of Independence Day on July 4, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2042.

**Independent commercial radio station.**

MP, USA-CAD, 1952. 18 min, sd, b&w.

Shows the day-by-day operation of a local commercial radio station in the United States. Prepared for use in occupied areas. Buy from UWF. Cleared for TV. LC card FIE 52-1950.

**Independent duty for hospital corpsmen: Doc goes to sea.**

MP, USN, 1951. 20 min, sd, b&w. Order no. MN 6911-a.

Depicts the story of a chief hospital corpsman who reports aboard a destroyer after graduating from Independent Duty School. Follows him through his indoctrination and shows how he overcomes his original fears of being unable to handle the responsibilities of independent duty. Emphasizes that his training has made him competent to handle both routine and emergency situations.

Borrow from USN-BuMed. LC card FIE 54-137.

**India plows deeper.**

MP, USIA, 1952. 10 min, sd, b&w. Story of an Indian village faced with famine. On his return from college a villager's son, though an agricultural expert, cannot repair a tractor. He learns about farm equipment at the Indian Agricultural Research Center and subsequently returns to the village to put his new knowledge into practice, with a resultant improvement of crops. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-501.

**Indian cowboy.**

MP, USBIA, 1949. 20 min, sd, color.

Shows how Indians who participated in the Government's reimbursable cattle program turned drought-stricken cattle into a going herd.

Buy from USBIA. LC card FIE 52-791.

**Indian forests of the Southwest.**

MP, USBIA, 1947. 18 min, sd, color.

Explains the principles of forest management and of sustained



yield, and the need for forest cover to protect grazing lands, prevent erosion and floods, and furnish refuge for game and fish; and describes fire control methods.

Buy from USBIA. LC card FIE 52-796.

**Indian gardens in Oklahoma.**

MP, USBIA, 1941. 10 min, sd, color.

Shows how small irrigated garden plots provide food for poor Indians in Oklahoma.

Buy from USBIA. LC card FIE 52-795.

**The Indian sanitarian.**

MP, USBIA, 1952. 9 min, sd, b&w.

Explains the importance of environmental sanitation to health and the work of local Indian sanitarians.

Buy from USBIA. LC card FIE 55-61.

**Indirect technique for the precision construction of crowns, bridges, and inlays.**

MP, USN, 1942. 25 min, si at sd speed, color. (U.S. Navy. Dental Corps. Prosthesis series) Order no. MN 2050.

Demonstrates the use of plaster and wax in making the necessary impressions of jaw and teeth. For dental personnel.

Borrow from USN-BuMed. LC card FIE 54-138.

**Individual purification of water, part 1.**

MP, USA, 1954. 3 min, sd, b&w. Order no. MF 8-8226.

Stresses the dangers of disease-carrying germs found in untreated water.

Buy from UWF. LC card FIE 55-5.

**Individual purification of water, part 2.**

MP, USA, 1954. 3 min, sd, b&w. Order no. MF 8-8227.

Stresses the value of drinking purified water from the lyster bag, official water trailers, and approved cans, and points up the

dangers of drinking water from sources that have not been purified.

Buy from UWF. LC card FIE 55-5.

**Individual purification of water, part 3.**

MP, USA, 1954. 3 min, sd, b&w. Order no. MF 8-8228.

Shows how the soldier can purify his drinking water with the water purification tablets furnished him by the U.S. Army.

Buy from UWF. LC card FIE 55-6.

**Individual sewage disposal systems series, nos. 1-3.**

Principles of operation and design

Appraising soils for soil absorption systems

Constructing a typical household system

**Inductance.**

MP, USN, 1943. 34 min, sd, b&w. (Radio technician training series)

Order no. MN 1540-b.

Shows how a magnetic force reacts around a coil, the nature of self-inductance, and how to increase the inductance of a coil.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-911.

**Inductance.**

FS, USN, 1943. 38 fr, b&w. (Radio technician training series) Order no. SN 1540-ab.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-912.

**Induction system icing.**

FS, USN, 1942. 77 fr, b&w. Order no. SN 257.

Explains the conditions under which ice will form, how it forms in the carburetor despite high temperatures, three methods used to prevent ice formation, and what the pilot must do to prevent ice from forming.

Borrow from USCAA film libraries. LC card FIE 54-781.



**Inductive reactance.**

FS, USN, 1942. 33 fr, b&w. Order no. SN 647.

Explains the basic theory of inductive reactance and its application to radio instruments.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1867.

**Industrial mobilization.**

MP, US Defense, 1950. 16 min, sd, b&w. Order no. AFSR 113.

Depicts phases of the national defense planning which are necessary to produce implements of war and maintain a stable civilian economy.

Buy from UWF. Cleared for TV. LC card FIE 52-1409.

**Industrial plant protection.**

MP, USA, 1953. 29 min, sd, b&w. Order no. TF 19-1847.

Explains the basic principles, standards, and elements of physical security applicable to plants engaged in defense production. Prepared for use by military and civilian security officers and guards.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-9.

**Infant care.**

MP, USOIAA, 1945. 10 min, sd, color. (Health for the Americas series)

Shows some simple things mothers should do during the prenatal period, while the baby is nursing, and when the baby changes from a liquid to a solid diet. Animated cartoon.

Buy from USOIAA. Cleared for TV. LC card FIE 52-543.

**Infantry operations in mountains.**

MP, USA, 1954. 38 min, sd, b&w. Order no. MF 7-8276.

Explains the nature of mountain terrain and the special problems it creates for offensive and defensive military operations, including physical characteristics, weather conditions, effects of

high altitude upon troops, and difficulties in communication.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-360.

**Infantry weapons and their effects: Hand and rifle grenades.**

MP, USA, 1954. 9 min, sd, color. Order no. FB 274.

Illustrates various types of grenades including fragmentation and white phosphorous hand grenades; high explosive, anti-tank, and phosphorous rifle grenades; and pyrotechnic star clusters, parachute flares, and colored smoke streamers.

Borrow from USA. LC card FIE 54-434.

**Infantry weapons and their effects: Machine guns.**

MP, USA, 1954. 5 min, sd, color. Order no. FB 278.

Describes the characteristics, capabilities, and uses of various machine guns used in the infantry regiment.

Borrow from USA. LC card FIE 55-195.

**Infantry weapons and their effects: M1C cal. .30 sniper's rifle; sniperscope, infrared set no. 1.**

MP, USA, 1954. 6 min, sd, color. Order no. FB 275.

Characteristics and use of the standard caliber .30 M1 rifle with special modifications of telescopic sight, flash hider, and cheek pad; and the sniperscope, a device enabling soldiers to see targets at night.

Borrow from USA. LC card FIE 54-435.

**Infantry weapons and their effects: Portable flame thrower.**

MP, USA, 1954. 3 min, sd, color. Order no. FB 277.

Demonstrates the portable flame thrower, including location and characteristics of component parts, operation, and characteristics and effects of thickened and unthickened fuel.



Buy from UWF. Cleared for TV.  
LC card FIE 55-17.

**Infantry weapons and their effects: The mortar family.**

MP, USA, 1954. 14 min, sd, color.  
Order no. FB 280.

Describes the characteristics and uses of the 60mm, 81mm, and 4.2 inch mortars.

Borrow from USA. LC card FIE 55-8.

**Infantry weapons and their effects: U.S. pistol, cal. .45; sub-machine gun, cal. .45; U.S. carbine, cal. .30.**

MP, USA, 1954. 8 min, sd, color.  
Order no. FB 273.

Explains the characteristics and capabilities of the three types of weapons, with firing demonstrations of each.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-361.

**Infantry weapons and their effects: U.S. rifle cal. 30 M1; Browning automatic rifle.**

MP, USA, 1954. 8 min, sd, color.  
Order no. FB 272.

Describes the uses and capabilities of the M1 rifle and the BAR (Browning automatic rifle).

Borrow from USA. LC card FIE 55-196.

**Infectious hazards of bacteriological techniques.**

MP, USPHS, 1951. 13 min, sd, color. Order no. M 57. Short version, with sound, of Army motion picture with the same title.

Demonstrates by laboratory experiments that bacteriological aerosols, which may infect a technician, are produced even in such procedures as shaking liquid cultures, transferring cultures, mixing with a pipette, and blending cultures. Explains ways of lessening such dangers. Summarizes a series of films dealing with particular pieces of laboratory apparatus.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-1.

**Infectious hazards of bacteriological techniques.**

MP, USA, 1950. 55 min, si at sd speed, color.

Ways in which dangerous bacteriological aerosols may be created in the laboratory handling of infected materials with needles, syringes, pipettes, etc.

Rent from SAB. LC card FIE 54-22.

**Infectious hazards of bacteriological techniques series, nos. 1-5**

The inoculating needle  
The hypodermic syringe  
The pipette  
The high-speed blender  
The lyophilizer

**Infective larvae of ancylostoma caninum.**

MP, USPHS, 1954. 5 min, sd, b&w.  
Order no. M 114.

Portrays the form of infective larvae of the dog hookworm and their behavior on soil particles. A study film for biologists and parasitologists.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-224.

**Infective larvae of Wuchereria bancrofti.**

MP, USPHS, 1947. 4 min, si, color. (Parasitology series) Order no. 4-059.

Cinematography of activity of infective larvae of Wuchereria bancrofti from mosquitoes infected with microfilariae (diurna) from Society Islands infection.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-223.

**Infeed grinding a shaft of two diameters.**

MP, USOE, 1944. 31 min, sd, b&w. (Machine shopwork series. Operations on the centerless grinding machine, no. 4) Order no. OE 88. With instructor's manual.

How to profile-grind shafts by the infeed method; use cams in profiling the regulating wheel and grinding wheel; install cams;



profile the wheels; set up the centerless grinding machine for the job; and rough- and finish-profile grind.

Buy from UWF. LC card FIE 51-609.

**Infeed grinding a shaft of two diameters.**

FS, USOE, 1944. 39 fr, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 4) Order no. OE 88-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-116.

**Infeed grinding shouldered work.**

MP, USOE, 1944. 23 min, sd, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 3) Order no. OE 87. With instructor's manual.

Principle of infeed grinding; how to use an automatic ejector; tilt the regulating wheel; adjust the end-stop; position the work for grinding; correct work ground out of round; and check work with V block, indicator, and micrometer.

Buy from UWF. LC card FIE 51-554.

**Infeed grinding shouldered work.**  
FS, USOE, 1944. 38 fr, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 3) Order no. OE 87-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-60.

**Injection molding. Part 1: Setting up the press and molding a part.**

MP, USOE, 1945. 16 min, sd, b&w. (Plastics series, no. 7) Order no. OE 472. With instructor's manual. What happens in the plunger cylinder, heating cylinder, and mold during injection molding; how to set up an injection molding press for a specified job; maintain the

operating cycle and prevent damage to the mold and the press.

Buy from UWF. LC card FIE 52-299.

**Injection molding. Part 1: Setting up the press and molding a part.**

FS, USOE, 1945. 37 fr, b&w. (Plastics series, no. 7) Order no. OE 472-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2756.

**Injection molding. Part 2: Cleaning and servicing the press.**

MP, USOE, 1945. 12 min, sd, b&w. (Plastics series, no. 8) Order no. OE 473. With instructor's manual. How to disassemble the heating cylinder; clean the cylinder, hopper, and feeder mechanism; give the entire press a routine cleaning; and prepare scrap material for re-use.

Buy from UWF. LC card FIE 52-300.

**Injection molding. Part 2: Cleaning and servicing the press.**

FS, USOE, 1945. 34 fr, b&w. (Plastics series, no. 8) Order no. OE 473-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2757.

**Injection nozzle.**

MP, USN, 1944. 10 min, sd, b&w. (Fairbanks Morse Diesel engine maintenance series. Benchwork) Order no. MN 3691-h.

How to test and check injection pressure; and disassemble, clean, and reassemble injection nozzle.

Buy from UWF. LC card FIE 52-1156.

**Injector block reconditioning and reassembly.**

MP, USN, 1944. 18 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Fuel system, no. 2) Order no. MN 2364-n.



How to clean parts, lap valve seats, remove lapping compound, reassemble all valve parts in the injector block, and reassemble auxiliary parts in the injector block.

Buy from UWF. LC card FIE 52-1107.

**Injector block removal and disassembly.**

MP, USN, 1944. 15 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Fuel system, no. 1) Order no. MN 2364-m. How to put throttle in closed position, remove inspection window and injector block, and complete disassembly of the injector block and valve parts at a work bench. Buy from UWF. LC card FIE 52-1228.

**Injector block replacement and timing.**

MP, USN, 1944. 13 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Fuel system, no. 3) Order no. MN 2364-o.

Demonstrates how to replace the injector block and connecting lines; and explains in detail how to set the injector lifts.

Buy from UWF. LC card FIE 52-1108.

**Injuries and diseases of army animals, World War II.**

MP, USA, 1949. 30 min, sd, b&w. (Veterinary service with army animals series, no. 3) Order no. FB 225.

Reviews veterinary activities of the U.S. Army during World War II including treatment of animal battle casualties, causes of exhaustion and injuries, animal diseases, preventive measures and treatment, and research.

Borrow from USA or USAFIP. Buy from UWF. LC card no. FIE 52-2048.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor.**

MP, USOE, 1942. 18 min, sd, b&w. (Shipbuilding skills series. Work

of shipfitter and shipwright, no. 2) Order no. OE 25. With instructor's manual.

How the keel, longitudinal girders, transverse side stiffeners, and tank tops form the innerbottom of a ship; how to lay out and install closed floor and open floor sections, and to weld stiffeners to the floors.

Buy from UWF. LC card FIE 52-194.

**Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor.**

FS, USOE, 1943. 42 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 2) Order no. OE 25-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2674.

**The innerbottom: Setting up floors and longitudinals.**

MP, USOE, 1942. 18 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3) Order no. OE 26. With instructor's manual.

How to fair the keel; set and fit transverse floors; and set, fit, and weld longitudinal girders.

Buy from UWF. LC card FIE 52-193.

**The innerbottom: Setting up floors and longitudinals.**

FS, USOE, 1943. 44 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 3) Order no. OE 26-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2673.

**The inoculating needle.**

MP, USPHS, 1951. 10 min, sd, b&w. (Infectious hazards of bacteriological techniques series) Order no. M 57-a.

Demonstrates by laboratory experiments that bacteriological aerosols are produced from various methods of using inoculating needles on cultures, and explains



how the bacterial infestation of such aerosols can be reduced by modifications in the inoculating techniques.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-2.

**The inoculating needle.**

FS, USPHS, 1951. 102 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (Infectious hazards of bacteriological techniques series, no. 1) Order no. F 57-a. Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-1058.

**Insect enemies.**

MP, USIAA, 1947. 7 min, sd, color.

Explains the destructive effects of insects on crops, and suggests practical measures for farmers to use in controlling and destroying insects.

Buy from USIAA. Cleared for TV. LC card FIE 52-490.

**Insect pests of garden vegetables and their control.**

FS, USDA, 1938. 63 fr, b&w. Order no. 503. With lecture notes. Life stage of biting and sucking types of insects; damage caused by both types; and recommended control measures.

Buy from PhotoLab. LC card FIE 52-2862.

**Insect pests of vegetables.**

FS, USDA, 1949. 35 double fr, color. Order no. C-6. With lecture notes.

Shows some of the common insect pests of vegetables and gives suggestions for their control.

Buy from PhotoLab. LC card FIE 52-2905.

**Insectos que transmitem doenças.**

MP, USOIAA, 1945. 9 min, sd, color. Portuguese version of motion picture with title, Insects as carriers of disease.

Shows how the fly, mosquito, and louse are carriers of dysentery, malaria, and typhus; and how to

get rid of these carriers through sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-536.

**Insectos que transmitem enfermidades.**

MP, USOIAA, 1945. 9 min, sd, color. Spanish version of motion picture with title, Insects as carriers of disease.

Shows how the fly, mosquito, and louse are carriers of dysentery, malaria, and typhus; and how to get rid of these carriers through sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-537.

**Insects as carriers of disease.**

MP, USOIAA, 1945. 9 min, sd, color. (Health for the Americas series)

Shows how the fly, mosquito, and louse are carriers of dysentery, malaria, and typhus; and how to get rid of these carriers through sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-525.

**Insects of importance to public health in the U. S.**

FS, USPHS, 1952. 37 double fr, color. Order no. 9-034.

Identifies important characteristics of 37 species of flies that are of public health importance, including sand, horse, deer, and black flies; eye gnats; human bot fly; tsetse fly; and several varieties of muscoid flies.

Borrow from USPHS-CDC. LC card FIE 54-709.

**Insects, their growth and structure.**

FS, USDA, 1936. 44 fr, b&w. Order no. 399. With lecture notes. Shows by drawings the types and kinds of insects; their external and internal anatomy and life cycles.

Buy from PhotoLab. LC card FIE 52-2914.



**Inside passage.**

MP, USA-Eng, 1949. 30 min, sd, color.

Portrays and explains the importance of the Atlantic intra-coastal waterway from Norfolk, Va., to Key West, Fla.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1985.

**The inside story of concrete.**

MP, USA-Eng, 1954. 14 min, sd, color.

Shows by live photography and animation the investigational work required for the production of high quality mass concrete, and the activities of the Waterways Experiment Station in the development and application of methods of testing concrete.

Borrow from USA-Eng. Cleared for TV. LC card FIE 54-436.

**Inside the cell. Part 1: Enzymes in intracellular chemistry.**

MP, USA, 1949. 40 min, sd, color. Order no. PMF 5077-a.

A study of the theory of enzymes, showing by animated drawings the better known steps in glucose metabolism, and portraying by live-action photography the laboratory techniques practiced by several Nobel prize-winners.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1731.

**Inside the cell. Part 2: Regulation of enzymes.**

MP, USA, 1952. 43 min, sd, color. Order no. PMF 5077-b.

Explains the factors regulating enzyme action; shows a laboratory demonstration of feeding radioactive acetate to rats; discusses the effects of drugs on enzymes, the action of anti-metabolites, glycolysis and Krebs' cycle; and pictures the chemical action inside a cell.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-2197.

**Insomnia.**

MP, USN, 1945. 20 min, sd, b&w. (Combat fatigue series) Order no. MN 3428-e.

Stresses that insomnia is the result of worries, often minor, and of being "wound up too tight." Demonstrates a method of relaxing all parts of the body and coaxing oneself to go to sleep.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1148.

**Inspecting and adjusting hydraulic brakes.**

MP, USOE, 1945. 13 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 255. With instructor's manual.

How to inspect the hydraulic brake system; bleed the hydraulic brakes; add fluid to the hydraulic system reservoir; and check the brakes.

Buy from UWF. LC card FIE 52-282.

**Inspecting and adjusting hydraulic brakes.**

FS, USOE, 1945. 45 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 255-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2729.

**Inspecting and reconditioning piston assembly.**

MP, USOE, 1945. 22 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 263. With instructor's manual.

How to clean, inspect, and recondition the piston assembly; measure clearances; and install new piston rings.

Buy from UWF. LC card FIE 52-254.

**Inspecting and reconditioning piston assembly.**

FS, USOE, 1945. 44 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 263-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2626.

**Inspecting and reconditioning valve assembly.**

MP, USOE, 1945. 25 min, sd, b&w. (Aircraft work series. Power



plant maintenance) Order no. OE 264. With instructor's manual. How to disassemble the valve mechanism; clean and recondition the parts; measure clearances; reassemble valve mechanism; and reinstall pistons and cylinders.  
Buy from UWF. LC card FIE 52-255.

**Inspecting and reconditioning valve assembly.**

FS, USOE, 1945. 54 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 264-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2625.

**Inspecting the external fuel system, part 1.**

FS, USN, 1942. 51 fr, b&w. Order no. SN 187-a.

Demonstrates the procedures recommended for cleaning and inspecting the entire external fuel system of the airplane.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1841.

**Inspection and preparatory steps.**

MP, USN, 1944. 8 min, sd, b&w. (Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-a.

Covers the preliminary steps, including inspection, in the maintenance and repair of a Fairbanks Morse Diesel engine, model 38D8 1/8 O. P.

Buy from UWF. LC card FIE 52-1149.

**Inspection of meat and meat food products. Part 1: Fresh meat.**

FS, USA, 1947. 58 fr, color. Order no. FS 8-93.

Describes in detail how to inspect fresh meat.

Borrow from USAFIP. LC card FIE 54-717.

**Inspection of minor assemblies.**

MP, USOE, 1944. 16 min, sd, b&w. (Aircraft work series. Inspection,

no. 2) Order no. OE 146. With instructor's manual.

How to inspect a minor assembly in detail; read rivet specifications; and inspect rivets.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-37.

**Inspection of minor assemblies.**

FS, USOE, 1944. 36 fr, b&w. (Aircraft work series. Inspection, no. 2) Order no. OE 146-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2545.

**Inspection of piston.**

MP, USN, 1943. 10 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Bench work, no. 2) Order no. MN 2364-f.

Demonstrates how to inspect piston covers and piston head, measure ring clearance, remove and inspect rings and ring grooves, measure piston pin and bearings, and record measurements.

Buy from UWF. LC card FIE 52-1243.

**Inspection of plumbing and piping.**

MP, USOE, 1944. 17 min, sd, b&w. (Aircraft work series, Inspection, no. 3) Order no. OE 147. With instructor's manual.

How to inspect plumbing and piping in detail; verify the materials used; inspect installation of the part in the plane; and identify the different plumbing lines.

Buy from UWF. LC card FIE 52-25.

**Inspection of plumbing and piping.**

FS, USOE, 1944. 40 fr, b&w. (Aircraft work series. Inspection, no. 3) Order no. OE 147-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2526.

**Inspection of sheet metal parts.**

MP, USOE, 1944. 20 min, sd, b&w. (Aircraft work series. Inspection, no. 1) Order no. OE 145. With instructor's manual.



How to plan an inspection routine; inspect sheet metal parts in detail; make visual inspections and spot checks.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-26.

**Inspection of sheet metal parts.**  
FS, USOE, 1944. 42 fr, b&w. (Aircraft work series. Inspection, no. 1) Order no. OE 145-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2527.

**Inspection of threads.**  
MP, USOE, 1944. 22 min, sd, b&w. (Aircraft work series. Inspection, no. 4) Order no. OE 148. With instructor's manual.

How to identify the different parts of an American National Standard Thread; inspect external threads with a roll snap gage; adjust the roll snap gage; and inspect internal threads with a plug gage.

Buy from UWF. LC card FIE 52-23.

**Inspection of threads.**  
FS, USOE, 1944. 49 fr, b&w. (Aircraft work series. Inspection, no. 4) Order no. OE 148-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2528.

**Installation of cylinder head.**  
MP, USN 1945. 23 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engines series. Benchwork) Order no. MN 3708-f.

How to recondition the cylinder head, remove valve springs and valves; reface and check valve seats; check height of valve stems; and clean and inspect parts.

Buy from UWF. LC card FIE 52-1363.

**Installation of cylinder head.**  
MP, USN, 1945. 23 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel

engine series. Reassembly) Order no. MN 3708-e.

How to position the cylinder head; install injector linkages, fuel lines, rocker arm assemblies, test valves, and piston cooling oil lines.

Buy from UWF. LC card FIE 52-1370.

**Installation of liner and piston.**  
MP, USN, 1945. 23 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engine series. Reassembly) Order no. MN 3708-d.

How to install liners, blade rod piston assembly, fork rod piston assembly, and pistons; and secure pistons with the bearing cap. Buy from UWF. LC card FIE 52-1369.

**Installation of pumping stations.**  
MP, USA, 1954. 17 min, sd, b&w. (Military pipeline operations series, no. 2) Order no. TF 5-1863. Illustrates the erection of a pumping station, using a U. S. Army "pipeline station manifold set no. 2."

Buy from UWF. LC card FIE 54-139.

**Installing and aligning tail surfaces.**

MP, USOE, 1944. 19 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 259. With instructor's manual. How to inspect and remove damaged tail surfaces; prepare new parts for installation; and install new stabilizers, elevators, and rudder.

Buy from UWF. LC card FIE 52-270.

**Installing and aligning tail surfaces.**

FS, USOE, 1944. 43 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 259-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2743.



**Installing and connecting telltale panel.**

MP, USOE, 1945. 15 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 7) Order no. OE 116. With instructor's manual.

How to lay out telltale unit; remove insulation from cable; re-insulate conductors and cable; and connect conductors to the multiconnection box.

Buy from UWF. LC card FIE 52-206.

**Installing and connecting telltale panel.**

FS, USOE, 1945. 34 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 7) Order no. OE 116-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2687.

**Installing conduit.**

MP, USOE, 1945. 25 min, sd, b&w. (Electrical work series. Wiring, no. 12) Order no. OE 381. With instructor's manual.

How to bend electrical metallic tubing; install tubing runs; bend rigid conduit; install rigid conduit runs; and use flexible conduit.

Buy from UWF. LC card FIE 52-143.

**Installing conduit.**

FS, USOE, 1945. 48 fr, b&w. (Electrical work series. Wiring, no. 12) Order no. OE 381-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2614.

**Installing landing gear.**

MP, USOE, 1944. 19 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 257. With instructor's manual.

How to remove damaged landing gear; replace old bolts, nuts, and cotters; install an aircraft bolt properly; assemble and install a new landing gear; and check alignment and track of wheels.

Buy from UWF. LC card FIE 52-271.

**Installing landing gear.**

FS, USOE, 1944. 44 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 257-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2742.

**Installing surface metal raceway.**

MP, USOE, 1945. 22 min, sd, b&w. (Electrical work series. Wiring, no. 11) Order no. OE 380. With instructor's manual.

How to install a molding raceway run to ceiling outlet; from ceiling outlet to wall switch; from ceiling outlet to wall fan; and to floor outlet.

Buy from UWF. LC card FIE 52-97.

**Installing surface metal raceway.**

FS, USOE, 1945. 29 fr, b&w. (Electrical work series. Wiring, no. 11) Order no. OE 380-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2555.

**Installing valves and strainer on sea chest.**

MP, USOE, 1944. 12 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 5) Order no. OE 99. With instructor's manual.

How studs are driven and checked for accuracy; valves installed on sea chests; and how strainer is prepared for and installed on sea chest.

Buy from UWF. LC card FIE 52-234.

**Installing valves and strainer on sea chest.**

FS, USOE, 1944. 29 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 5) Order no. OE 99-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2722.



Installing valves in engine room systems, part 1.

MP, USOE, 1945. 12 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 8) Order no. OE 123. With instructor's manual.

Identification of principal units in engine-room system; function of valves in controlling cycle of steam; design and functions of gate valve, globe valve, and check valve.

Buy from UWF. LC card FIE 52-244.

Installing valves in engine room systems, part 1.

FS, USOE, 1945. 37 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 8) Order no. OE 123-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2712.

Installing valves in engine room systems, part 2.

MP, USOE, 1945. 16 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 9) Order no. OE 124. With instructor's manual.

Installation of the globe valve in main steam line; gate, angle, and swing-check valves; flanged valves; and valves with threaded fittings where clearance is limited.

Buy from UWF. LC card FIE 52-245.

Installing valves in engine room systems, part 2.

FS, USOE, 1945. 46 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 9) Order no. OE 124-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2713.

Installing vitreous fixtures.

MP, USOE, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 6) Order no. OE 121. With instructor's manual.

How to lay out, drill, and tap the seating; measure and cut

brass studs; make watertight installations; and assemble and connect the flushometer.

Buy from UWF. LC card FIE 52-213.

Installing vitreous fixtures.

FS, USOE, 1944. 54 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 6) Order no. OE 121-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2693.

Instructing the blind worker on the job.

MP, USOE, 1944. 17 min, sd, b&w. (Problems in supervision series) Order no. OE 166. With instructor's manual.

How a supervisor trains a blind worker to operate a drill press.

Buy from UWF. LC card FIE 52-158.

Instructing the disabled worker on the job.

MP, USOE, 1946. 14 min, sd, b&w. (Problems in supervision series) Order no. OE 400. With instructor's manual.

Dramatized instances of poor and good instruction of disabled workers, and how in the latter case, a one-armed worker learns successfully to operate a drill press.

Buy from UWF. LC card FIE 52-340.

Instructing the worker on the job.

MP, USOE, 1944. 14 min, sd, b&w. (Problems in supervision series) Order no. OE 155. With instructor's manual.

Dramatization of how not to instruct a new worker and the results of poor on-the-job instruction; in contrast, how such instruction should be done.

Buy from UWF. LC card FIE 52-83.

Instrument flight.

MP, USAF, 1943. 18 min, sd, b&w. Order no. TF 1-3318.

Emphasizes the importance of a



thorough knowledge of the various flight instruments and the basic principles involved in the practical application of instrument flying.

Borrow from USCAA film libraries. LC card FIE 53-396.

**Instrument flight control series.**  
Airport and airway traffic control procedure. Part 1: Preflight procedure

Airport and airway traffic control procedure. Part 2: Enroute procedure

Altitude

Analysis of maneuvers, part 1

Analysis of maneuvers using instruments

Cockpit instrument checks

Diaphragm instruments

Gyroscopic instruments

Instrument flight rules

Magnetic instruments

Radio navigation. Part 1: Radio range flying

Radio navigation. Part 2: Bracketing

Orientation: Fade parallel system and close-in procedure

Orientation: The 90 degree method

Orientation: The true fade system

Radio navigation: Bracketing an unknown beam

Radio navigation. Part 3: Irregularities in radio range operation

Radio navigation, part 5

Radio navigation, part 6

Radio navigation: The radio range

Weather control during instrument flight, part 1

Weather control during instrument flight, part 2

**Instrument flight rules.**

FS, USN, 1944. 58 fr, b&w, with disc: 16 in, 33 1/3 rpm, 14 min. (Instrument flight control series) Order no. SN 1059-ad.

Deals with airway control center and communication facilities of the Civil Aeronautics Administration, including such items as alternate airports, contact flight

rules, instrument flights, aircraft clearances, and flight plans.

Buy from UWF. LC card FIE 52-1898.

**Instrument flying and landing:**  
Air Force landing system.

MP, USAF, 1942. 12 min, sd, b&w. Order no. TF 1-531.

Shows how the radio compass, runway localizer, altimeter, directional gyro, artificial horizon, and marker beacons are utilized in the Air Force landing system. Demonstrates instrument landing procedures on the Link trainer.

Borrow from USCAA film libraries. LC card FIE 53-413.

**Instrument flying and landing:**  
Let-down and low approach.

MP, USAF, 1943. 10 min, sd, b&w. Order no. TF 1-530.

Explains basic routines for let-down and low approach procedures, and demonstrates procedures on a Link trainer.

Borrow from USCAA film libraries. LC card FIE 53-414.

**Instrument flying and landing:**  
Standard rate turns.

MP, USAF, 1943. 12 min, sd, b&w. Order no. TF 1-529.

Depicts the use of the Link trainer to demonstrate procedure for making standard rate turns.

Borrow from USCAA film libraries. LC card FIE 53-415.

**Instruments used in piloting.**

FS, USCG, 1944. 37 fr, b&w. (Piloting series) Order no. SCG 136-a.

Describes the use of instruments necessary for the piloting of a vessel.

Buy from UWF. LC card FIE 52-815.

**Insulin and its use.**

FS, USPHS, 1950. 69 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. (Taking care of diabetes series, no. 3) Order no. 5-143. With film guide.

Explains the function of insulin in the control of diabetes, the



kinds and strengths of insulin, and the method of injection.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-951.

**Insulin reaction.**

FS, USPHS, 1950. 39 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (Taking care of diabetes series, no. 5) Order no. 5-145. With film guide.

Explains the characteristics of a diabetic's reaction to too much insulin, the causes of insulin reactions, and the methods of preventing and treating insulin reactions.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-953.

**Intake and exhaust systems.**

FS, USAF, 1942. 36 fr, b&w. Order no. FS 1-64.

Diagrams the essential elements of intake and exhaust systems for radial and V-type aircraft engines; gives a simplified explanation of the supercharger; and outlines maintenance and inspection procedures for intake and exhaust systems.

Buy from UWF. LC card FIE 52-1928.

**Integrated landing aids, part 1.**

MP, USN, 1949. 23 min, sd, color. Order no. MN 6613-a.

Explains the elements of GCA (ground control approach) and shows how an instrument landing is made under adverse weather conditions. Continued in part 2.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1300.

**Integrated landing aids, part 2.**

MP, USN, 1949. 26 min, sd, color. Order no. MN 6613-b.

Covers landing aids at an airport, particularly high intensity lighting of approaches and runways and fog dispersal equipment. Continuation of part 1.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1301.

**Integrative aspects of the nervous system. Part 2: The motor system.**

MP, USA, 1951. 47 min, sd, color. Order no. PMF 5182-a.

Portrays the means by which the nervous system is believed to make use of "feed back" and "scanning" mechanism in nerve impulses.

Borrow from USAFIP. LC card FIE 54-63.

**Interior and exterior trim.**

MP, USN, 1950. 12 min, sd, b&w. (Building techniques series) Order no. MN 6719-e.

Covers the installation of doors and windows and the finishing trim around them.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1262.

**Intermediate acrobatics series.**

Acrobatic checks

The chandelle

Immelman

Inverted spins

Loops

Precision spin

Slow roll

**Internal installation security.**

MP, USAF, 1954. 30 min, sd, b&w. Order no. TF 1-4900.

Discusses methods to be used by Air Police and other personnel at U. S. Air Force installations in implementing an effective security program. Presents several hypothetical situations showing how subversives might utilize imposture, infiltration, and force in gaining their objectives.

Borrow from USAF. Cleared for TV. LC card FIE 55-119.

**International House.**

MP, USA-CAD, 1950. 10 min, sd, b&w.

Portrays foreign students working and living together and showing cultural exchanges at International House, N. Y., and explains the importance of such experiences in furthering international understanding and good-



will. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2094.

**International ice patrol**  
MP, USIA, 1949. 22 min, sd, b&w. Shows how the U.S. Coast Guard, operating under international agreements, patrols the North Atlantic shipping lanes in search of icebergs, and issues warnings to ships. Illustrated through a portrayal of the cutter Mendota's search for iceberg no. 39. Prepared for overseas use.

Borrow from USCG. Buy from UWF. LC card FIE 52-896.

**Interpretation of a single "lop".**  
FS, USAF, 1943. 23 fr, b&w. (Aerial navigation series) Order no. FS 1-322.

Explains the meaning of "lop" (line of position), and tells how it may be found and when it can be used as a speed or course line.

Borrow from USCAA film libraries. LC card FIE 53-1014.

**Interrelationships of vessels and ducts.**

See The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts.

**Interviewing principles and techniques.**

MP, USN, 1951. 17 min, sd, b&w. Order no. MN 7360. Demonstrates a classification interview illustrating principles of good interviewing including preparation, approach, getting the facts, use of simple terminology, guiding the conversation, and preventing interruptions.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-230.

**Intra-abdominal closure descending colon colostomy (herniations and multiple openings).**

MP, USA, 1947. 15 min, sd, color. Order no. PMF 5004.

Portrays colostomy of descending colon midway between umbilicus and anterior iliac crest with four separate openings resulting from damage to exteriorized loop of bowel; and demonstrates technique used to effect repair. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2241.

**Intra-abdominal colostomy closure (transverse loop--Pauchet method).**

MP, USA, 1947. 11 min, sd, color. Order no. PMF 5003.

Demonstrates the Pauchet method of colostomy closure in a case located near umbilicus, with an associated defect in the rectus muscle. For medical personnel. Borrow from USAFIP. LC card FIE 52-2240.

**Intra and extra oral splints: Splints applied to the teeth.**

FS, USA, 1942. 50 fr, b&w. Order no. FS 8-34.

Illustrates the designing, fabricating, vulcanizing, casting, curing, and preparing of various types of oral splints; and shows adjustment and application of vulcanite, silver, and acrylic resin splints. For medical personnel.

Borrow from USAFIP. LC card FIE 53-825.

**Intra-oral and pharyngeal structures and their movements.**

MP, USVA, 1951. 23 min, sd, color.

Illustrates the physiological activity of tongue, soft palate, and epiglottis in a patient who suffered the loss of a portion of the face as the result of cancer in the maxillary sinuses. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-94.

**Intramaxillary multiple loop wiring in treatment of jaw fractures.**

MP, USA, 1951. 28 min, sd, color. Order no. PMF 5188.

Demonstrates a technique of wiring as a temporary expedient in the early management of jaw



fractures, and explains its limitations in definitive treatment.  
Borrow from USAFIP. Buy from UWF. LC card FIE 54-64.

**Inframedullary fixation of the femur.**

MP, USA, 1951. 23 min, sd, color.  
Order no. PMF 5196.

Demonstrates the treatment of fractures of the femur requiring prolonged fixation; shows post-operative planning, operative technique, and postoperative care. For medical personnel.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 53-17.

**Introducing the new worker to his job.**

MP, USOE, 1944. 16 min, sd, b&w. (Problems in supervision series)  
Order no. OE 154. With instructor's manual.

Dramatization of how not to orient a new employee and get him started on his job; then by contrast, what should have been done.  
Buy from UWF. LC card FIE 52-136.

**Introduction and location of celestial points.**

MP, USAF, 1942. 18 min, sd, b&w. (Celestial navigation series)  
Order no. TF 1-290.

Explains the uses of celestial navigation, the location of points on the earth by reference to celestial bodies, and the meaning of zenith, nadir, sidereal hour angle, local hour angle, and bubble horizon.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1473.

**Introduction and remount service.**

MP, USA, 1948. 17 min, sd, b&w. (Veterinary service with army animals series, no. 1)  
Order no. FB 242.

Shows two typical operations of veterinary service in World War II: the procurement of horses, health measures taken for them, and their adaptation for use in the

Chinese army against Japan in 1945; and the remount service in India where horses were received and processed prior to disposition for army use.

Borrow from USAFIP. LC card FIE 54-30.

**Introduction to airplane instruments.**

FS, USAF, 1942. 61 fr, b&w. Order no. FS 1-23.

Explains the purposes, principles, and types of aircraft instruments.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1925.

**Introduction to aphasia.**

MP, USVA, 1950. 30 min, sd, color. (Aphasia, no. 1)

Defines and describes aphasia; discusses receptive and emissive language functions; and differentiates various types of aphasia such as agnosia, agraphia, and paraphasia. Primarily animation. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-95.

**Introduction to Army work simplification.**

MP, USA, 1954. 19 min, sd, b&w. Order no. TF 20-1736.

Presents an analysis of the U.S. Army's work simplification program, including consideration of the need and value of the program, illustrations of a number of work simplification ideas in action with accompanying remarks on the effects of the improvements, and a brief outline of the training course given line supervisors in work distribution, flow process, work count, application of the principles of motion economy, and layout study.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-437.

**An introduction to bacteriology series, nos. 1-2.**

Basic biology of bacteria  
Identifying pathogens



**Introduction to clinical neurology series, nos. 1-4**

General neurological examination and clinical signs of disorders of the pyramidal system  
Disorders of the extra-pyramidal system and the posterior columns  
Cerebellar disorders, disorders involving the lower motor neurones, and convulsive states  
Functional syndromes with pronounced physical symptoms

**Introduction to combat fatigue: Doctor's version.**

MP, USN, 1944. 31 min, sd, b&w.  
Order no. MN 3428-b.

Analyses fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area.  
For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1295.

**Introduction to combat fatigue: Patient's version.**

MP, USN, 1944. 30 min, sd, b&w.  
Order no. MN 3428-a.

Analyses fear and relates the symptoms of combat fatigue (startled reaction, irritability, nightmares, tension, etc.) to their causes through flashbacks of simulated action in a combat area.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1306.

**Introduction to compressed gases.**

FS, USN, 1946. 127 fr, color with disc: 16 in, 33 1/3 rpm, 18 min. (Navy industrial gases series)  
Order no. SN 6121-a.

Discusses properties, color, and uses of some of the more important gases; identification of gas cylinders; and safety precautions to be observed.

Buy from UWF. LC card FIE 52-1819.

**Introduction to flying.**

MP, USAF, 1943. 10 min, sd, b&w.  
Order no. TF 1-3313.

A recent graduate (1943) of a pilot course tells some of the silly rumors and beliefs that crop up with each new class of student pilots.

Borrow from USCAA film libraries. LC card FIE 53-397.

**Introduction to Haiti.**

MP, USOIAA, 1942. 10 min, sd, color.

A tourist view of Haiti; particularly Port au Prince, Cap Haitien, the palace of Henri Christophe, and the ruins of historic buildings.

Rent from USOIAA film libraries. Withdrawn from sale in 1954. LC card FIE 52-733.

**An introduction to Indo-China.**

FS, USPHS, 1951. 55 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order No. F 87.

Shows and explains the modern culture in large cities, native culture in rural areas, health problems, and malaria control and other health demonstrations used by an ECA mission in 1950.  
Borrow from USPHS-CDC. LC card FIE 53-981.

**Introduction to numbers.**

FS, USA, 1943. 32 fr, b&w. Order no. FS 12-6.

Explains in elementary terms how to count, add, subtract, multiply, and divide. Prepared for special training units in the Army.

Borrow from USA. Buy from UWF. LC card FIE 52-2944.

**Introduction to occupational therapy.**

MP, USA, 1954. 20 min, sd, b&w.  
Order no. PMF 5227.

Explains that occupational therapy is interest-motivated activity with a therapeutic purpose, prescribed by the physician to fit the individual physical or mental need of the patient. Gives various cases to illustrate the value and application of the principles of occupational therapy. For medical personnel.

Borrow from USA. LC card FIE 53-64.



**Introduction to optics.**

MP, USN, 1945. 17 min, sd, b&w.  
(Optical craftsmanship series)  
Order no. MN 2449-a.

Uses animation and practical examples to illustrate the principles of light waves and rays; to show how light is refracted and reflected, and to explain image formation in relation to concave and convex lenses. Studies these principles as applied to optical instruments.

Buy from UWF. LC card FIE 52-1122.

**Introduction to preventive maintenance.**

MP, USOE, 1945. 12 min, sd, b&w.  
(Automotive operation and maintenance series. Preventive maintenance, no. 1) Order no. OE 461.  
With instructor's manual.

Importance of preventive maintenance in truck operation; typical checks of the clutch pedal, battery, and voltage regulator.

Buy from UWF. LC card FIE 52-133.

**Introduction to preventive maintenance.**

FS, USOE, 1945. 33 fr, b&w.  
(Automotive operation and maintenance series. Preventive maintenance, no. 1) Order no. OE 461-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2809.

**Introduction to radar.**

MP, USN, 1944. 27 min, sd, b&w.  
Order no. MN 3635.

An elementary explanation of radar covering the basic theory on which it operates, nomenclature, the different kinds of radar--detection, search, aircraft warning, homing, navigational aid. Includes a brief description of P. P. I. (planned position indicator). Concludes by setting up a problem and solving it by radar.

Borrow from USCAA film libraries. LC card FIE 54-267.

**An introduction to radiation detection instruments.**

MP, US Defense, 1951. 17 min, sd, b&w.

Shows the reasons for the existence of radiation detection instruments, as well as the methods employed in their use, and describes several classes of instruments and their specific and general purposes. Produced under the supervision of the Armed Forces Special Weapons Project.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2138.

**Introduction to the insects.**

FS, USPHS, 1953. 67 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. Order no. F 120.

Explains the importance of insects to man's welfare, external and internal anatomy of insects, life cycles, principal orders of insects, and the relationship of insects to spiders, ticks, and mites. General film for sanitarians.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-732.

**Introduction to valves.**

FS, USN, 1944. 77 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. (Hydraulic valves series) Order no. SN 1809-a.

Traces the history and evaluation of hydraulic valves. Explains the purposes of valves and defines simple and compound types.

Borrow from USCAA film libraries. LC card FIE 54-782.

**An introduction to vectors: Coplanar concurrent forces.**

MP, USOE, 1945. 22 min, sd, b&w.  
(Engineering series. Fundamentals of mechanics) Order no. OE 361. With instructor's manual.

Explains the meaning of scalar and vector quantities; how to add scalars and vectors; methods of vector composition and vector resolution; relationship between vector composition and vector resolution; and how vectors may



be used to solve engineering problems.

Buy from UWF. LC card FIE 52-165.

**An introduction to vectors: Coplanar concurrent forces.**

FS, USOE, 1945. 36 fr, b&w. (Engineering series. Fundamentals of mechanics) Order no. OE 361-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2645.

**Invasion of Crete by the German Army.**

MP, USA, 1952. 11 min, sd, b&w. Order no. FB 16.

A German film, with English sound track, showing the preparations for and the invasion of Crete in 1941.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1670.

**Invasion of southern France.**

USA, 1950. 19 min, sd, b&w. (Historical reports series) Order no. HR-C-8:

Portrays the invasion of southern France by the 7th U.S. Army and its subsequent junction with the 3rd Army in northern France.

Borrow from USA. Buy from UWF. LC card no. FIE 52-2053.

**Inverted spins.**

MP, USN, 1943. 10 min, sd, b&w. (Intermediate acrobatics series) Order no. MN 1325-f.

Points out the difference between an accidental spin and an inverted spin; and demonstrates the procedure of executing an inverted spin.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1811.

**The investigating officer.**

MP, USA, 1954. 49 min, sd, b&w. Order no. TF 15-1946.

Portrays the work done by an investigating officer conducting an investigation as the preparatory step to a possible court-

martial, in compliance with Article 32 of the Uniform Code of Military Justice. The story centers upon a private accused of stealing an Army pistol and covers preparations before the investigation, explanation of rights to the accused, assignment of counsel to the accused, questioning of witnesses, cross-examination, and preparation of the investigator's report.

Borrow from USA. LC card FIE 54-438.

**Investigations of dynamic stability and controllability in the Langley free-flight tunnel.**

MP, USNACA, 1951. 20 min, si, b&w. Order no. TF 17.

Illustrates the effects of some of the principal design factors on the dynamic lateral and longitudinal stability of airplanes. Shows the NACA 12-foot open-return closed-throat tunnel, housed in a metal sphere, and the operating technique, and includes motion-picture records of actual flight tests. For technical personnel, to be used with NACA Technical note 810: "Preliminary stability and control tests in the NACA free-flight wind tunnel and correlation with full-scale flight tests," and with NACA Wartime report L-487: "Free-flight tunnel investigation of the effect of the fuselage length and the aspect ratio and the size of the vertical tail on lateral stability and control."

Borrow from USNACA. LC card FIE 54-201.

**An investment in human welfare.**  
MP, USOVR, 1951. 22 min, sd, color.

Explains the contributions made by handicapped persons to the nation's economy; shows many different handicapped workers performing useful jobs; and describes the rehabilitation processes by which they are prepared for their jobs.

Borrow from USOVR. Buy from Unifilms. Cleared for TV. LC card FIE 52-2181.



**The invisible link.**

MP, USECA, 1950. 13 min, sd, b&w.

Shows the use of electric power, developed with Marshall plan help, to increase Austria's industrialization, help solve unemployment, and electrify its farms. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-557.

**Invisible rampart.**

MP, US Defense, 1950. 16 min, sd, b&w. Order no. AFSR 119 and/or MF 7697.

Reviews the history of the Alaska communications system from 1900 to 1950, showing its interconnection of main cities and military installations in Alaska and its communication with cities in the continental United States and with the Pentagon.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1651.

**Irrigated pastures.**

MP, USBR, 1943. 25 min, sd, color.

Shows methods of irrigating pasture land to produce forage crops.

Borrow from USBR. LC card FIE 54-130.

**Irrigating field crops.**

MP, USDA, 1932. 24 min, si, b&w.

Shows methods and equipment for carrying water to farm lands--canals and dams, field ditching, flooding, furrow method, corrugation, subirrigation, the border method, and the overhead or sprinkler system.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-469.

**Irrigating the electric way.**

FS, USDA, 1954. 67 double fr, color. Order no. C-38.

Explains the importance of water on the farm and of irrigation to supplement rainfall, and the ways electricity can be used in irrigation practices.

Borrow from USDA. Buy from PhotoLab. LC card FIE 55-510.

**Irrigation: A brief outline.**

MP, USDA, 1935. 15 min, si, b&w.

Explains that topographical conditions determine the choice of irrigation methods; shows types of irrigation systems, steps in the preparation of land, and methods of irrigating crops and orchards.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-470.

**Irrigation farming.**

MP, USDA, 1945. 18 min, sd, b&w.

Presents irrigation problems in the Southwest; emphasizes the need for a well-planned layout and water control system in irrigation farming; and shows methods of planning, installing, and revising farm irrigation systems.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-441.

**Irrigation, lifeblood of the West.**

FS, USDA, 1947. 56 fr, single or double, b&w. Order no. 680. With lecture notes.

Traces the history and development of agriculture in the West, and show how arid and semiarid land has been made into productive farms.

Buy from PhotoLab. LC card FIE 52-2921.

**Irrigue a terra.**

MP, USIAA, 1947. 9 min, sd, color. Portuguese version of motion picture with title, Water on the land.

Explains the values of irrigation in farming and demonstrates some simple irrigation methods.

Buy from USIAA. Cleared for TV. LC card FIE 52-572.

**Irritability.**

MP, USN, 1945. 34 min, sd, b&w. (combat fatigue series) Order no. MN 3428-c.

Explains to the neuropsychiatric patient that he must realize his problem of adjustment, face his memories, and overcome the fear



and frustration that once controlled him. Depicts conversation with the doctor and participation in group therapy as aids to realization.

Borrow from USN-BuMed. LC card FiE 54-131.

**Is farming for me?**

FS, USDA, 1945. 54 fr, b&w. Order no. 664. With lecture notes. Explains aspects of farming and farm life, and directs veterans and other prospective farmers to sources of information.

Buy from PhotoLab. LC card FiE 52-2923.

**Is research your job? Careers in human nutrition and home economics.**

FS, USDA, 1954. 30 double fr, color. Order no. C-37. With lecture notes.

Describes research activities and experiments in home economics and nutrition being carried on at the U.S. Agricultural Research Center, Beltsville, Md., and the background and qualifications of those engaged in this research.

Buy from PhotoLab. LC card FiE 54-750.

**Island of faith.**

MP, USECA, 1950. 20 min, sd, b&w.

Shows how the people of Walcheren Island reclaimed their island from the sea after the war's destruction, and how they are building a new life with the help of the European recovery program. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-564.

**Isolation and identification of Salmonella and Shigella cultures series, nos. 1-3.**

Isolation and preliminary identification of cultures

Simplified serologic identification of Shigella cultures

Simplified serologic identification of Salmonella cultures

**Isolation and preliminary identification of cultures.**

FS, USPHS, 1951. 85 fr, color with disc: 16 in, 33 1/3 rpm, 14 min. (Isolation and identification of Salmonella and Shigella cultures series, no. 1) Order no. 5-169.

Shows methods of isolating and identifying pathogenic Enterobacteriaceae by cultural, biochemical, and serologic methods. For scientific personnel.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-966.

**Isolation technique.**

MP, USA, 1948. 18 min, sd, b&w. Order no. TF 8-1520.

Shows how infection may be spread by medical personnel caring for isolation cases; and illustrates how to set up an isolation unit, and put on and remove an isolation gown.

Borrow from USAFIP. Buy from UWF. LC card FiE 52-1523.

**Isolation technique.**

MP, USN, 1944. 20 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-x.

Shows how infection may be spread; describes the setting up of an isolation unit, the using of an isolation gown, the scrubbing of hands, the care of an isolated patient, and terminal disinfection.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-972.

**It must never happen again.**

MP, USA-Eng, 1951. 25 min, sd, b&w.

Shows and describes the 1951 floods in Kansas and Missouri, and indicates the loss of life and damage to property.

Borrow from USA or USA-Eng. Cleared for TV. LC card FiE 52-1983.

**Italy.**

MP, US Defense, 1951. 10 min, sd, b&w. Order no. AFSR 133.



On same reel with film, Air Force power.

A brief description of Italy during the Roman Empire and at the present time (1951).

Borrow from USA or USAF. Cleared for TV. LC card FIE 52-2040.

**It's a peach.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of peaches. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-641.

**It's a snap.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of beans. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-640.

**It's no picnic.**

MP, USDA, 1948. 28 min, sd, color or b&w.

Dramatized story of a family picnic and of the father's failure to take one precaution--that of stamping out his pipe ashes. Volunteer fire fighters bring the fire under control and the father, apprehended by the fire warden, is fined for his carelessness.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-600.

**It's the Maine sardine.**

MP, USFWS, 1949. 18 min, sd, color.

Portrays the sardine industry in Maine, showing steps in the processing and packing of sardines.

Borrow from UWFWS. Cleared for TV but advance approval required. LC card FIE 52-2183.

**It's up to you.**

MP, USDA, 1950. 3 min, sd, b&w. (Smokey Bear forest fire prevention, series 1--shorts--no. 2).

Smokey Bear makes a direct appeal to everyone for help in preventing forest fires.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 52-606.

**It's up to you.**

MP, USPHS, 1945. 17 min, sd, color. (Dengue and yellow fever control series) Order no. 4-016.

Shows how the health department and other agencies in a city confronted with dengue and yellow fever epidemics plan and execute an anti-mosquito campaign.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2268.

**It's your America.**

MP, USA, 1948. 35 min, sd, b&w. Order no. EF 5.

Emphasizes the returning soldier's responsibilities in preparing himself for the job of running his country in such a way that the things he fought for will be achieved.

Buy from UWF. LC card FIE 52-2013.

**It's your future.**

MP, USA, 1953. 15 min, sd, b&w. Order no. MF 8151.

Portrays a sergeant explaining why he feels the U.S. Army offers young men opportunity, security, and a satisfying career. A recruiting film intended to encourage re-enlistment.

Borrow from USA. Cleared for TV. LC card FIE 55-187.

**It's your land.**

MP, USDA, 1947. 4 min, sd, b&w. A fantasy portraying Satan removing dishes of food from the farm dinner table, and making the point that as erosion carries away topsoil, so food disappears. Shows conservation practices.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-437.



**It's your war, too.**  
MP, USA, 1944. 9 min, sd, b&w.  
Order no. MF 958.  
An account of the work done by members of the Women's Army Corps during World War II.  
Buy from UWF. LC card FIE 52-1592.

**Japan.**  
MP, US Defense, 1951. 18 min, sd, b&w. Order no. AF8R 132.  
Gives an overview of Japan--country, climate, natural resources, agriculture, and people.  
Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2039.

**Japan and the UN: What is the UN?**  
MP, USA-CAD, 1951. 22 min, sd, b&w.  
Dramatized story of a young Japanese student in the United States who writes to his parents in Japan telling them about the United Nations and comparing the United Nations treatment of world problems with the solution of individual problems in a country village in Japan. Prepared for use in occupied areas, particularly in Japan.  
Buy from UWF. Cleared for TV. LC card FIE 52-2095.

**Japan logistical command.**  
MP, US Defense, 1952. 22 min, sd, b&w. Order no. RTAF 142.  
Portrays some of the logistical operations of the U.S. Army organization in Japan that supports the occupation troops in Japan and the forces in Korea, including the salvage of World II equipment, processing of replacement troops, hydroponic farming of vegetables, and port operations.  
Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2074.

**Japanese Diet members observe U. S. Government in action.**  
MP, USA-CAD, 1950. 19 min, sd, b&w.  
Shows how some members of the Japanese Diet on a tour of Wash-

ington observed the U.S. Government and studied in detail the work of the Dept. of Agriculture. Prepared for use in occupied areas, particularly in Japan.  
Buy from UWF. Cleared for TV. LC card FIE 52-1949.

**Japanese Diet members visit an American legislature.**  
MP, USA-CAD, 1950. 18 min, sd, b&w.  
Records the visit of some members of the Japanese Diet to the New York State Legislature in 1950. Produced for use in occupied areas, particularly in Japan.  
Buy from UWF. Cleared for TV. LC card FIE 52-1948.

**Japanese relocation.**  
MP, USOWI, 1943. 10 min, sd, b&w.  
How 100,000 Japanese were moved in 1942 from the Pacific coast and relocated in settlements in Arizona, Colorado, and Wyoming.  
Buy from UWF. LC card FIE 52-764.

**Japanese trade fair.**  
MP, USA-CAD, 1951. 10 min, sd, b&w.  
Pictorial record of a Japanese trade fair held in Seattle in 1951. Shows various articles which Japan is now producing for export. Produced for use in occupied areas, particularly in Japan.  
Buy from UWF. Cleared for TV. LC card FIE 52-2096.

**Japanese women leaders visit the U. S.**  
MP, USA-CAD, 1950. 10 min, sd, b&w.  
Records a visit by some Japanese women to Columbus, Ohio, in 1950 and explains their learning about the Agricultural Extension Service. Produced for use in occupied areas, particularly in Japan.  
Buy from UWF. LC card FIE 52-1947.



**Java.**

FS, USN, 1943. 90 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Theatres of war series. Pacific area; Netherlands East Indies) Order no. SN 1538-n.

Explains Javanese living conditions, temperament, superstitions, clothing; size and population of several large cities; effects of Dutch colonization; and means of dealing with the Malays. Buy from UWF. LC card FiE 52-1758.

**The jet assisted take-off of carrier aircraft.**

MP, USN, 1943. 13 min, sd, b&w. Order no. MN 2403.

Explains use of "jato" (jet assisted take off) in the launching of planes from a Navy carrier. Buy from UWF. LC card FiE 52-1117.

**Jet test.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 266.

Shows various test flights of the F-86 jet fighter made by test pilots before the U.S. Air Force accepted it for operational use. Includes scenes of climbing, diving, and spinning.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1431.

**Jets over Turkey.**

MP, USIA, 1954. 16 min, sd, b&w. Shows the training of Turkish pilots of jet airplanes at Balekesir Air Base in Turkey and explains the assistance of the United States in this training program.

Borrow from MTP. Cleared for TV. LC card FiE 55-49.

**Job analysis.**

FS, USA, 1949. 56 fr, b&w, with disc: 16 in, 33 1/3 rpm, 24 min. (Examining personnel for civilian employment series, no. 1) Order no. SFS 69-4.

Explains techniques of job analysis used by the U.S. Army and methods of developing tests to measure the ability of individuals to perform different jobs.

Buy from UWF. LC card FiE 52-2973.

**The job breakdown.**

FS, USA, 1944. 72 fr, b&w, with disc: 16 in, 33 1/3 rpm, 11 min. (On-the-job supervision series, no. 3) Order no. SFS 80-4.

Explains three steps in making a job breakdown: identifying the job, listing the important steps, and determining key points.

Borrow from USA. Buy from UWF. LC card FiE 53-837.

**Joining solid conductors.**

MP, USOE, 1945. 22 min, sd, b&w. (Electrical work series. Wiring, no. 1) Order no. OE 369. With instructor's manual.

How to make a Western Union, pigtail, plain tap, "wrapped tap" or Britannia, loop tap, and fixture joints; use a blowtorch; flux and solder joints; and insulate joints.

Buy from UWF. LC card FiE 52-140.

**Joining solid conductors.**

FS, USOE, 1945. 39 fr, b&w. (Electrical work series. Wiring, no. 1) Order no. OE 369-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2617.

**Jointing an edge for gluing: Installing knives.**

MP, USOE, 1945. 21 min, sd, b&w. (Precision wood machining series, Operations on the jointer, no. 4) Order no. OE 305. With instructor's manual.

How to determine when knives are dull; remove dull knives; install sharp knives on the cutter head and adjust them for proper cutting; straighten crooked stock; and join edges for gluing.

Buy from UWF. LC card FiE 52-61.

**Jointing an edge for gluing: Installing knives.**

FS, USOE, 1945. 54 fr, b&w. (Precision wood machining series.



**Operations on the jointer, no. 4)**  
 Order no. OE 305-fs.  
 Supplements motion picture with the same title.  
 Buy from UWF. LC card FIE 52-2599.

**Jointing edges and ends 90 degrees to face.**  
 MP, USOE, 1945. 17 min, sd, b&w. (Precision wood machining series. Operations on the jointer, no. 1) Order no. OE 302. With instructor's manual.  
 Functions and operation of the jointer; how to identify surfaces of a piece of stock; joint a square edge to size; and joint a piece of glued stock to size.  
 Buy from UWF. LC card FIE 52-52.

**Jointing edges and ends 90 degrees to face.**  
 FS, USOE, 1945. 62 fr, b&w. (Precision wood machining series. Operations on the jointer, no. 1) Order no. OE 302-fs.  
 Supplements motion picture with the same title.  
 Buy from UWF. LC card FIE 52-2596.

**Journey back.**  
 MP, USVA, 1949. 20 min, sd, b&w. Dramatized story of the rehabilitation of a hemiplegic patient, demonstrating the work of physical, occupational, recreational, and speech therapists and their contribution to the recovery of the patient.  
 Borrow from USVA. Buy from UWF. Cleared for TV. LC card FIE 52-2210.

**Journey into medicine.**  
 MP, USIA, 1947. 39 min, sd, b&w. Dramatized story of a doctor's "journey into medicine"--his studies in medical school, graduation, internship, further study in pediatrics, and his decision to specialize in public health. Prepared for overseas use.  
 Borrow from USPHS. Buy from UWF. LC card FIE 52-897.

**Journey to reality.**  
 MP, USA, 1950. 30 min, sd, b&w. Order no. PMF 5116-c.  
 Portrays through dramatized sequences six patients with typical psychotic reactions entering a hospital; reviews the case histories and outlines appropriate occupational therapy for each patient. Emphasizes the medical officer's responsibility for prescribing and providing occupational therapy.  
 Borrow from USAFIP. Buy from UWF. LC card FIE 52-2011.

**Juiced for you.**  
 MP, USDA, 1952. 6 min, sd, color. (Consumer education shorts series)  
 Explains the selection, care, and uses of grapefruit. Produced especially for use on television.  
 Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-639.

**Jumping and cross country riding.**  
 MP, USA, 1942. 32 min, sd, b&w. (Horsemanship series, no. 5) Order no. TF 2-604.  
 Presents bold riding as an essential to successful cavalry operations; shows practicing balance, the chute, ditches, big jumps, and cross-country equitations.  
 Borrow from USA. Buy from UWF. LC card FIE 52-1494.

**Jungle quest for the great stone heads.**  
 MP, USOIAA, 1942. 27 min, sd, color.  
 Record of an archeological expedition made by the National Geographic Society and the Smithsonian Institution in the state of Vera Cruz. Shows the art and skill developed in Mexico 1900 years ago.  
 Rent from some USOIAA film libraries. Buy from UWF. LC card FIE 52-735.

**The jungle that was.**  
 MP, USECA, 1950. 23 min, sd, b&w.



History of the Niger project in French West Africa and the work being done in land reclamation, irrigation, and rice growing with equipment purchased through the Marshall plan. Produced for use abroad.

Borrow from EFLA. Cleared for TV. LC card FIE 53-573.

**Junior achievement.**

MP, USA-CAD, 1949. 11 min, sd, b&w.

Explains how local businessmen in the United States sponsor projects enabling high-school students to start and operate small businesses, from which they can earn money and learn about business methods. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card no. FIE 52-097.

**Junior chamber of commerce.**

MP, USIA, 1951. 19 min, sd, b&w.

Story of the organization of a junior chamber of commerce in an American town and its work in planning and executing projects for the welfare and betterment of the community. Prepared for overseas use.

Buy from UWF. LC card FIE 54-251.

**Junior college for technical trades.**

MP, USIA, 1950. 22 min, sd, b&w.

The Los Angeles Trade and Technical College, formerly the Frank Wiggins Trade School--its origin, purpose, vocational courses, and relationship to the industrial needs of Los Angeles. Prepared for overseas use.

Buy from UWF. LC card FIE 52-898.

**Keep 'em flying.**

MP, USAF, 1949. 30 min, sd, b&w. Order no. TF 1-4607.

Shows the method of classification used at basic training centers for men entering technical training schools of the Air Force Training Command. Explains the type of schools and the entrance

qualifications for different schools.

Borrow from USAF. Cleared for TV. LC card FIE 55-112.

**Keep 'em out.**

MP, USPHS, 1942. 9 min, sd, b&w.

Explains the economic damage and health hazards caused by rats and illustrates some control measures including blocking of building entrances, eliminating enclosed spaces within buildings, and catching and killing the rats.

Borrow from USPHS. LC card FIE 53-535.

**Keep 'em rolling.**

MP, USOWI, 1942. 3 min, sd, b&w.

A wartime song sung against a background of scenes in war production plants.

Buy from UWF. LC card FIE 52-746.

**Keep 'em running.**

MP, USA-Eng, 1953. 14 min, sd, color.

Explains the industrial engine standardization project being carried on by the Corps of Engineers with engine and engine parts manufacturers, including reduction in the number of parts used to manufacture an engine from 1187 noninterchangeable parts to a family of 59 standardized parts.

Borrow from USA-Eng. Cleared for TV. LC card FIE 54-439.

**Keep it flying, part 1.**

MP, USN, 1946. 10 min, sd, b&w.

(Primary flight training series) Order no. MN 3474-1.

Shows the relation of the angle of attack to lift and stalling; explains what apparent weight involves and how to tell if it is increasing; stresses getting the feel of the plane in stalling attitudes.

Borrow from USCAA film libraries. LC card FIE 54-310.

**Keep it flying, part 2.**

MP, USN, 1946. 15 min, sd, b&w.

(Primary flight training series) Order no. MN 3474-2.



Shows stalls, spins, and recoveries. Stresses the need for getting the feeling of the break in the stall and the fact that planes do not stall themselves but are stalled by the pilot. Demonstrates the use of the falling leaf maneuver in landing. Shows the technique for spin recovery and analyzes progressive stalls and spins.

Borrow from USCAA film libraries. LC card FiE 54-311.

**Keeping your car fit.**

MP, USOE, 1945. 12 min, sd, b&w. (Automotive operation and maintenance series. Automobile operation, no. 3) Order no. OE 488. With instructor's manual.

Why a weekly checkup is necessary; tires should be criss-crossed; cars lubricated regularly; the oil filter element replaced; and the cooling system inspected periodically.

Buy from UWF. LC card FiE 52-344.

**Keeping your car fit.**

FS, USOE, 1945. 33 fr, b&w. (Automotive operation and maintenance series. Automobile operation, no. 3) Order no. OE 488-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2799.

**Kenaf.**

MP, USDA, 1952. 7 min, sd, color.

Story of kenaf, a jute-like fiber from the Far East which has been introduced into Cuba to build a fiber industry close to the United States. Pictures planting, harvesting, processing, and spinning, and shows some of the uses of kenaf in industry and agriculture.

Buy from UWF. LC card FiE 52-2156.

**Kentucky Dam.**

MP, TVA, 1948. 21 min, sd, color. Record of engineering processes used in construction of Kentucky

Dam across the Tennessee River, 1938-45. Primarily for technical use.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FiE 52-1636.

**Kéyah nidahodiyit'aahgi.**

MP, USBIA, 1941. 18 min, sd, color. Navaho language version of motion picture with title, A new frontier.

Story of how a small group of Navaho and Hopi Indians colonize an area reclaimed by irrigation from the barren desert of western Arizona.

Buy from USBIA. LC card FiE 52-797.

**Kids must eat.**

MP, USDA, 1945. 17 min, sd, b&w. The "Quiz Kids," of radio fame, discuss the community school lunch program.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-365.

**Kill the louse.**

MP, USHAA, 1947. 8 min, sd, color.

Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.

Buy from USHAA. Cleared for TV. LC card FiE 52-498.

**Killing weeds with 2, 4-D.**

MP, USDA, 1949. 17 min, sd, color.

Explains the use of 2, 4-D, a chemical weed killer; describes 2, 4-D mixtures and spraying techniques; and shows common weeds before and after spraying.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-471.

**Kinds give it your personal attention.**

FS, USA, 1944. 67 fr, b&w, with disc: 16 in, 33 1/3 rpm, 13 min. (On-the-job supervision series, no. 6) Order no. SFS 80-7.



Discusses the power of suggestion and the value of personal attention to improvements on the job. Explains how new methods may increase production and efficiency.

Borrow from USA. Buy from UWF. LC card FiE 53-836.

**King of the soft woods.**

MP, USDA, 1949. 15 min, sd, color or b&w.

Shows the value of the sugar pine forests in California and Oregon, the effects of white pine blister rust (a fungus disease) and the efforts being made in this region to control and eradicate the disease.

Borrow from USFS-BR. Buy from UWF. Cleared for TV. LC card FiE 52-453.

**Kitchen habits.**

MP, USPHS, 1954. 12 min, sd, color. (Food handling series) Order no. M 148-g.

Shows, under actual operating conditions in a kitchen, the importance of developing good habits relating to food sanitation; stresses individual awareness of personal responsibility and effective supervision to develop these habits.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-132.

**Know for sure.**

MP, USPHS, 1942. 20 min, sd, b&w.

Dramatized story of an immigrant storekeeper whose first child is born dead because of syphilis and who learns, from his doctor, of the sources of infection, early symptoms, clinical treatment, and prevention of syphilis.

Borrow from USPHS. LC card FiE 54-17.

**Know the eggs you buy.**

MP, USDA, 1954. 4 min, sd, b&w.

Shows the candling, sorting, and labeling of eggs; the meaning of grade labels; and the uses for different grades of eggs.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-462.

**Know your air force better.**

MP, USAF, 1949. 14 min, sd, b&w. Order no. SFP 242.

Portrays a family visit to an Air Force base on Armed Forces Day and includes demonstrations of Air Force activities at other bases.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1443.

**Know your Air Rescue Service.**

MP, USAF, 1954. 29 min, sd, b&w. Order no. TF 1-4968.

Illustrates the four phases of rescue operations--notification, search, aid, and rescue--and explains the work of the U.S. Air Rescue Service.

Borrow from USAF. Cleared for TV. LC card FiE 55-121.

**Know your ally, Britain.**

MP, USA, 1944. 43 min, sd, b&w. Order no. OF 16.

Explains to American troops the nature of the British and their part in World War II.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1714.

**Know your car.**

MP, USOE, 1945. 15 min, sd, b&w. (Automotive operation and maintenance series. Automobile operation, no. 1) Order no. OE 486. With instructor's manual.

Construction of a car chassis; how the engine functions; operations of the clutch, transmission, rear axle, brakes, and electrical and cooling systems.

Buy from UWF. LC card FiE 52-317.

**Know your car.**

FS, USOE, 1945. 38 fr, b&w. (Automotive operation and maintenance series. Automobile operation, no. 4) Order no. OE 486-fa.

Supplements motion picture with the same title.



Buy from UWF. LC card FiE 52-2779.

**Know your land.**

MP, USDA, 1945. 12 min, sd, color.

Identifies eight basic classes of land; illustrates the characteristics and agricultural uses of each class; and explains the principles of soil conservation applicable to different soils.

Rent from USDA film libraries. LC card FiE 52-461.

**Know your land.**

FS, USDA, 1949. 45 double fr, color. Order no. C-8.

Explains a method of classifying land that will indicate the best use and treatment of various areas of a farm.

Buy from PhotoLab. LC card FiE 53-845.

**Know your typewriter.**

MP, USFSA, 1941. 30 min, sd, color or b&w.

Shows tricks and short-cuts in the operation of a typewriter and suggests methods to be used in its care and maintenance.

Buy from DeLuxe. LC card FiE 54-20.

**The Korea story.**

MP, USIA, 1953. 20 min, sd, b&w. Describes the factors preceding the Korean War, attempts to unify North and South Korea, the invasion south of the 38th parallel in June 1950, the UN Security Council decision to halt the aggression, and the war from the invasion to truce talks. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 54-246.

**Korea today.**

MP, US Defense, 1948. 19 min, sd, b&w. Order no. AFSR 94.

Portrays the status of Korea in 1948, showing the progress made in rehabilitation of the country under the leadership of the United States.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1401.

**Korean cease fire talks.**

MP, US Defense, 1951. 18 min, sd, b&w. Order no. CB 112.

Military operations in Korea from June 20 to July 20, 1951.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1663.

**Korea's new army.**

MP, US Defense, 1949. 6 min, sd, b&w. Order no. AFSR 103. On same reel with film, Operation Vittles.

Shows the training of the Korean Army, 1948, in methods of modern warfare. Prepared for use by U.S. Armed Forces personnel.

Buy from UWF. LC card FiE 52-1646.

**LST.**

MP, USCG, 1944. 10 min, sd, b&w. Shows the construction, trial runs, and uses in amphibious operations of the LST (landing-ship-tank).

Borrow from USCG. LC card FiE 52-886.

**L. T. A. history: Balloons.**

MP, USN, 1944. 27 min, sd, b&w. Order no. MN 2722-a.

Traces the history of balloon experimentation covering problems, development, and outstanding men, and shows modern uses of balloons.

Borrow from USN. Buy from UWF. LC card FiE 52-1110.

**L. T. A. history: Rigid airships.**

MP, USN, 1946. 41 min, sd, b&w. Order no. MN 2722-d.

Traces the development of lighter-than-air craft; describes the major craft developed by Germany, Britain, and America; shows improvements in each type, and analyzes weaknesses causing high mortality.

Borrow from USN. LC card FiE 52-1094.

**La Paz.**

MP, USOIAA, 1943. 17 min, sd, b&w.



A film journey through the Bolivian city of La Paz. Contrasts the old and new ways of living in Latin America.

Rent from USOLAA film libraries.  
Buy from UWF. LC card FIE 52-720.

**Labor efficiency on the farm.**  
FS, USDA, 1943. 48 fr, single or double, b&w. Order no. 630. With lecture notes.

Gives suggestions for the planning of work on the farm in order to make work lighter, save time, and handle hired labor more efficiently.

Buy from PhotoLab. LC card FIE 52-2824.

**Laboratory control in milk sanitation.**

MP, USPHS, 1951. 9 min, sd, b&w. Order no. M 51-a.

Demonstrates methods of collecting samples of raw and processed milk; portrays methods of laboratory examination of the samples; and discusses the laboratory findings in terms of helping farmers and milk processors to remedy causative conditions on the farm or in the plant.  
Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-221.

**Laboratory diagnosis of diphtheria series, nos. 1-4.**

Microscopic study and isolation of *C. diphtheriae*

Determination of types of *C. diphtheriae*

Tests for virulence of *C. diphtheriae* in animals

The in-vitro test for virulence of *C. diphtheriae*

**The laboratory diagnosis of influenza.**

MP, USPHS, 1950. 13 min, sd, b&w. Order no. 4-101.

Explains and demonstrates the procedures used in laboratory diagnosis of influenza, including collection of specimens, isolation of the virus by intra-amniotic inoculation of chick embryos, rough agglutination tests, titration, hemagglutination tests, and

establishment of antibody content. Primarily for laboratory technicians.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-202.

**Laboratory diagnosis of rabies.**  
MP, USPHS, 1950. 6 min, sd, b&w. Order no. 4-111.

Explains the procedure of removing the dog's brain exposing Ammon's horn, staining and examining under a microscope a smear and an impression from Ammon's horn, and making the mouse inoculation test.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-203.

**Laboratory diagnosis of rabies.**  
FS, USPHS, 1948. 53 fr, b&w. with disc: 16 in, 33 1/3 rpm, 8 min. Order no. 5-105.

Covers same material as in motion picture with the same title.  
Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-930.

**The laboratory diagnosis of schistosomiasis.**

FS, USPHS, 1946. 67 fr, color with disc: 16 in, 33 1/3 rpm, 16 min. Order no. 5-041.

Emphasizes the serious nature of schistosomiasis and the importance of early diagnosis; and explains the methods of diagnosis with primary emphasis upon *Schistosoma japonicum* and *Schistosoma mansoni*.

Borrow from USPHS-CDC. LC card FIE 53-907.

**Laboratory diagnosis of tinea capitis in children; Microsporum infections.**

FS, USPHS, 1950. 65 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. 5-127.

Explains the clinical signs of tinea capitis in children, the means of demonstrating the mycotic nature of such infections, procedures for isolating the etiologic agents involved, and their macroscopic and microscopic details.



Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-941.

**Laboratory diagnosis of Trichophyton infections. Part 1: Ectothrix infections the beard and scalp.**

FS, USPHS, 1952. 77 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. Order no. F 94-a.

Explains the procedures for the diagnosis of ectothrix ringworm of the beard and scalp caused by Trichophyton mentagrophytes and Trichophyton faviforme.

Borrow from USPHS-CDC. LC card FIE 53-982.

**Laboratory diagnosis of Trichophyton infections. Part 2: Endothrix infections of the scalp.**

FS, USPHS, 1952. 58 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. Order no. F 94-b.

Explains the procedures for the diagnosis of endothrix ringworm of the scalp caused by Trichophyton tonsurans and Trichophyton violaceum.

Borrow from USPHS-CDC. LC card FIE 53-983.

**Laboratory diagnosis of tuberculosis series, nos. 1, 2, and 4.**

Preparation of a culture medium  
Preparation of sputum specimens  
Typing of tubercle bacilli by animal inoculation

**Laboratory identification of systemic fungi series, nos. 1-3.**

Blastomyces dermatitidis  
Coccidioides immitis

**Laboratory technique for dark-field microscopy.**

MP, USN, 1953. 16 min, sd, b&w. Order no. FN 7468.

Explains the theory of darkfield microscopy, the preparation of slides, and the use of a darkfield microscope. Designed for use by laboratory technicians.

Buy from UWF. LC card FIE 53-471.

**Lake carrier.**

MP, USOWI, 1942. 9 min, sd, b&w. How iron ore is transported from the Mesabi ranges of Minnesota

across the Great Lakes to the steel mills of Gary, Pittsburgh, and Youngstown.

Buy from UWF. LC card FIE 52-765.

**Land and live in the Arctic.**

MP, USAF, 1943. 58 min, sd, b&w. Order no. TF 1-3403.

Portrays a squadron of fighter planes in flight over Arctic territory, one of the pilots forced down by engine trouble, remembering and following instructions of the briefing officer, and his survival and rescue. Shows proper selection of landing spot, using pieces of the airplane, improvising shelter, obtaining food and firewood, and aiding the searching aircraft.

Borrow from USAF. Cleared for TV. LC card FIE 55-106.

**The land and the Book.**

FS, USDA, 1952. 99 fr, color. Order no. C-22. With lecture notes.

Pictures related to Biblical quotations pertaining to land and soil conservation. Prepared for use in churches.

Buy from PhotoLab. LC card FIE 53-1047.

**The land must eat.**

MP, USHIAA, 1947. 9 min, sd, color.

Explains the necessity of replenishing depleted soil and suggests the increased use of barnyard manure, compost, green manure crops, and crop rotation. Demonstrates the difference in growth of plants in well-fertilized and in depleted soil.

Buy from USHIAA. Cleared for TV. LC card FIE 52-564.

**Landing accidents.**

MP, USN, 1946. 6 min, sd, b&w. (Flight safety series) Order no. MN 4353-f.

Through live action and animation reminds pilots of proper landing techniques.

Borrow from USCAA film libraries. LC card FIE 54-312.



**Landings.**

MP, USN, 1946. 13 min, sd, b&w. (Primary flight training series) Order no. MN 3474-1.

Shows the proper method of landing, how to gain a landing attitude through a gliding approach and the stall, the importance of maintaining heading, how to correct for excess landing speed.

Borrow from USCAA film libraries. LC card FIE 54-313.

**A large water treatment plant.**

FS, USPHS, 1954. 84 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. Order no. F 165.

Shows the equipment in a large modern water treatment plant, including raw water and in-take facilities and structures; chemical treatment, coagulation, and settling devices; filters; chlorinators; and corrosion control equipment. For sanitarians and engineers.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-751.

**Larger barley profits through scab and blight control.**

FS, USDA, 1935. 48 fr, b&w. Order no. 355. With lecture notes.

Explains the damage to barley caused by blights, the effect of feeding blighted grain to livestock, the life history of causative fungi, and methods of control.

Withdrawn from active circulation in 1952. LC card FIE 52-2937.

**The last bomb.**

MP, USAF, 1947. 35 min, sd, b&w. Order no. SFP 193.

Film record of the bombing of Japan by B-29 airplanes and the dropping of the first atomic bomb on Japan.

Borrow from USAF. Cleared for TV. LC card FIE 55-102.

**The lathe.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Basic machines) Order no. OE 68. With instructor's manual.

Functions, characteristics, and basic operations of the engine lathe.

Buy from UWF. LC card FIE 51-573.

**The lathe.**

FS, USOE, 1944. 49 fr, b&w. (Machine shop work series. Basic machines) Order no. OE 68-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-79.

**The lathe.**

FS, USAF, 1942. 91 fr, b&w. (Machine tools series) Order no. FS 1-4.

Explains the nomenclature, practical uses, and operation of the lathe.

Buy from UWF. LC card FIE 52-1899.

**Latitude by Polaris.**

MP, USAF, 1942. 10 min, sd, b&w. (Celestial navigation series) Order no. TF 1-545.

Shows relationship between latitude and elevated pole; position and diurnal path of Polaris; and reduction of altitude of elevated pole. Describes the use of mathematical formulae and tables in determining the altitude of Polaris.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1468.

**Launching.**

MP, USN, 1943. 19 min, sd, b&w. (Fundamentals of patrol plane handling series) Order no. MN 1338-c.

Shows in detail the procedure for launching a seaplane from a concrete ramp.

Buy from UWF. LC card FIE 52-1002.

**Laying off bulkheads.**

MP, USOE, 1944. 15 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no.

7. Laying out and installing stern tube, tail shaft, and propeller, no.

2) Order no. OE 101. With instructor's manual.



How to measure on bulkheads from the temporary line and establish the center of bulkhead openings; the purpose for laying off the bulkheads; and when to run the permanent line.

Buy from UWF. LC card FiE 52-221.

**Laying off bulkheads.**

FS, USOE, 1944. 25 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 7. Laying out and installing stern tube, tail shaft, and propeller, no. 2) Order no. OE 101-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2699.

**Laying out and installing stern tube, tail shaft, and propeller series, nos. 1-4.**

Running a temporary line

Laying off bulkheads

Running a permanent line and boring

Fitting tube, shaft, and propeller

**Laying out and forming plywood.**

MP, USOE, 1944. 21 min, sd, b&w. (Aircraft work series. Wood fabrication, no. 3) Order no. OE 285. With instructor's manual.

How to lay out plywood using blueprints and templates; form plywood in a press; reinforce plywood; and apply glue and varnish.

Buy from UWF. LC Card FiE 52-313.

**Laying out and forming plywood.**

FS, USOE, 1944. 39 fr, b&w. (Aircraft work series. Wood fabrication, no. 3) Order no. OE 285-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2770.

**Laying out and installing compartment fixtures.**

MP, USOE, 1945. 12 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 5) Order no. OE 114. With instructor's manual.

How to locate installations on a planview blueprint; lay out ceiling fixtures and studs; lay out and burp a hole for the passage of cable; and install ceiling fixtures. Buy from UWF. LC card FiE 52-209.

**Laying out and installing compartment fixtures.**

FS, USOE, 1945. 34 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 5) Order no. OE 114-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2689.

**Laying out and installing hangers.**

MP, USOE, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 5) Order no. OE 120. With instructor's manual.

How to measure and cut hanger legs to length; and how to install stool, angle iron bracket, strap, rod, and saddle hangers.

Buy from UWF. LC card FiE 52-201.

**Laying out and installing hangers.**

FS, USOE, 1944. 48 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 5) Order no. OE 120-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2681.

**Laying out and installing kickpipes and stuffing tubes.**

MP, USOE, 1945. 16 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 1) Order no. OE 110. With instructor's manual.

How to locate the kickpipe or stuffing tube area; lay out the penetration area; cut or burn the penetration area; and install the kickpipe or stuffing tube.

Buy from UWF. LC card FiE 52-212.

**Laying out and installing kickpipes and stuffing tubes.**

FS, USOE, 1945. 57 fr, b&w. (Shipbuilding skills series. Ma-



rine electricity, no. 1) Order no. OE 110-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2692.

**Laying out and installing main wireway.**

MP, USOE, 1945. 21 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 2) Order no. OE 111. With instructor's manual.

How to determine from the blueprint the route the cables are to follow and the size of the hangers to be used; lay out the raceways; install flat bars and hangers; and lay out penetration holes to be cut.

Buy from UWF. LC card FiE 52-211.

**Laying out and installing main wireway.**

FS, USOE, 1945. 26 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 2) Order no. OE 111-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2691.

**Laying out, drilling, and tapping flanges on sea chest.**

MP, USOE, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 4) Order no. OE 98. With instructor's manual.

Component parts of a sea chest; how locations of flanges are checked; flanges leveled; stud hole centers laid out; and stud holes drilled and tapped.

Buy from UWF. LC card FiE 52-215.

**Laying out, drilling, and tapping flanges on sea chest.**

FS, USOE, 1944. 32 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 4) Order no. OE 98-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2695.

**Laying out small castings.**

MP, USOE, 1942. 16 min, sd, b&w. (Machine shop work series. Bench work, no. 6) Order no. OE 40. With instructor's manual.

How to lay out holes for drilling; locate a reference point; and use hermaphrodite calipers, combination square, and surface gage.

Buy from UWF. LC card FiE 51-535.

**Laying out small castings.**

FS, USOE, 1944. 32 fr, b&w. (Machine shop work series. Bench work, no. 6) Order no. OE 40-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-43.

**Laying pipelines.**

MP, USA, 1954. 19 min, sd, b&w. (Military pipeline operations series, no. 1) Order no. TF 5-1862.

Demonstrates the laying of a typical military pipeline, stove-pipe and grasshopper methods of laying pipe, and cold and hot bending pipe methods.

Borrow from USA. Buy from UWF. LC card FiE 54-133.

**Lead from mine to metal.**

MP, USBM, 1952. 28 min, sd, color. Order no. 245.

Shows mining, preparing for market, and the major uses of lead.

Borrow from USBM. Cleared for TV. LC card FiE 52-673.

**The lead line, fathometer.**

FS, USCG, 1942. 57 fr, b&w. Order no. SCG 122.

Explains the importance of taking soundings and the use of identifying marks on a lead line. Shows how to heave a lead line and report soundings to the bridge, and how to determine the type of bottom.

Buy from UWF. LC card FiE 52-844.

**Leaders of tomorrow.**

MP, USA-CAD, 1949. 20 min, sd, b&w.



Portrays Japanese teen-age boys and girls learning the principles of democracy at the youth training centers sponsored in Japan by the American Red Cross and the Supreme Commander, Allied Powers. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. LC card no. FIE 52-1946.

#### Learn and live.

MP, USAF, 1943. 45 min, sd, b&w. Order no. TF 1-3300.

A safety film for pilots dramatizing, in fantasy form, some of their more common errors and emphasizing their responsibility. Borrow from USCAA film libraries. LC card FIE 54-104.

#### Learn the Leatherneck way.

MP, USMC, 1946. 5 min, sd, b&w. Order no. MH 6446-a.

Orientation and recruiting film showing the trades and skills that can be learned in the U.S. Marine Corps.

Borrow from USMC. LC card FIE 54-314.

#### Learn to swim.

MP, USDA, 1938. 20 min, sd, b&w.

Three excerpted versions also available--Swimming: The beginner; Swimming: Getting afloat; and Swimming: Advanced strokes.

Explains the confidence method of teaching swimming; and shows the basic swimming strokes, including the breast, side, back, and crawl strokes.

Rent from USDA film libraries. Withdrawn from sale in 1953. LC card FIE 52-366.

#### Learning about farm jobs from pictures.

FS, USDA, 1944. 50 fr, single or double, b&w. Order no. 652. With lecture notes.

Shows how pictures can be used in job instruction in order to emphasize key points, discuss principal steps, show the whole process, contrast right and wrong ways, and compare different methods.

Buy from PhotoLab. LC card FIE 52-2918.

#### Learning by doing.

MP, USN, 1949. (Shipboard training series) Order no. MN 5328-b. Illustrates actual operation of shipboard on-the-job training. Emphasizes job analysis and techniques of instruction and training.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1374.

#### Learning to swim.

MP, USCG, 1943. 11 min, sd, b&w. Order no. MCG 115-aa.

Emphasizes the need for gaining confidence in the water, and demonstrates how to float and to swim the dog paddle.

Buy from UWF. LC card FIE 52-858.

#### Leatherneck lieutenants.

MP, USMC, 1953. 14 min, sd, b&w. Order no. MH 7492.

Explains the U.S. Marine Corps officer procurement program, and how the Marine Corps trains college students prior to commissioning.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FIE 53-542.

#### Leathernecks on parade.

MP, USMC, 1942. 10 min, sd, color. Order no. MH 2039.

Shows U.S. Marines in training at the Marine Base in San Diego and at sea with the U.S. Navy.

Borrow from USMC. LC card FIE 54-315.

#### Lesser Sunda Islands.

FS, USN, 1943. 92 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Theatres of war series. Pacific area; Netherlands East Indies) Order no. SN 1538-m.

Shows size and climate of Timor, Flores, Soemba, Soemba wa, Lombok, and Bali; living conditions of the natives and how to treat them to obtain their help.

Buy from UWF. LC card FIE 52-1757.



**Let's be childish.**

MP, USECA, 1950. 20 min, sd, b&w.

Shows how children of several nationalities, playing together, prove to themselves the values of cooperation and unified efforts. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-561.

**Let's have more vitamin A and C foods in school lunches.**

FS, USDA; 1954. 15 double fr, color. Order no. C-40. With printed narrative.

Explains the importance of vitamins A and C to growing children and suggests ways to make sure that the foods served in school lunch programs contain sufficient quantities of these two vitamins. Buy from PhotoLab. LC card FiE 54-752.

**Let's look at ordnance.**

MP, USA, 1945. 20 min, sd, b&w. Order no. MF 1199.

Scenes from various theaters of operation showing the role performed by U.S. Army Ordnance units in World War II.

Borrow from USA. Cleared for TV. LC card FiE 55-194.

**Letter from an American schoolboy.**

MP, USIA, 1950. 27 min, sd, b&w.

An American schoolboy, aged 14, writes to a student in another country and describes his life in Conway, N. H. Includes scenes of the town and surrounding country and of the boy's family, home life, school classes, social activities, sports, and after-school job. Prepared for overseas use.

Buy from UWF. LC card FiE 53-6.

**Letter to a friend.**

MP, USA-CAD, 1951. 20 min, sd, b&w.

Explains how Japanese boys and girls can and do correspond, as "pen pals," with boys and girls of their own ages in the United States. Prepared for use in oc-

cupied areas, particularly in Japan.

Buy from UWF. Cleared for TV. LC card no. FiE 52-1945.

**A letter to Mary.**

MP, USN, 1944. 11 min, sd, b&w. (Venereal disease control in the U.S. Navy series) Order no. MN 2454-b.

Dramatizes the story of a young sailor who becomes infected by a "nice girl." Emphasizes the importance of prophylaxis.

Borrow from USN-BuMed. LC card FiE 54-134.

**Let us live.**

MP, USIA, 1953. 19 min, sd, b&w.

Portrays refugees and displaced persons entering West Berlin; explains the steps being taken to receive and rehabilitate these people; and gives their reasons for emigrating to western Germany. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-466.

**Liberation of Rome.**

MP, USA, 1944. 20 min, sd, b&w. (Campaign reports series) Order no. CR 1.

Scenes of the entry of Allied troops into Rome in 1943 and of the population celebrating liberation of the city.

Buy from UWF. LC card FiE 52-1665.

**Libraries without bars.**

MP, USA-CAD, 1951. 25 min, sd, b&w.

Shows modern improvements being made in Japanese libraries to stimulate interest in reading and to encourage appreciation of art, music and literature. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. LC card no. FiE 52-1944.

**The Library of Congress.**

MP, USOWI, 1945. 21 min, sd, b&w. (American scene series, no. 11)

Shows and explains the resources and services of the U.S. Library



of Congress. Prepared for overseas use.

Buy from UWF. LC card FiE 52-485.

**The life cycle of a malaria parasite.**

FS, USPHS, 1948. 93 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-030.

Explains through drawings the various stages in the life cycle of a malaria parasite in man, including taxonomic position, terminology, and the more obvious clinical effects of malaria.

Borrow from USPHS-CDC. LC card FiE 53-901.

**Life cycle of Diphylobothrium latum.**

MP, USPHS, 1950. 17 min, sd, b&w. Order no. 4-043.

Explains and traces by means of animation and photomicrography the life cycle of the broad tapeworm of man.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 52-2253.

**Life cycle of endamoeba histolytica in dysenteric and non-dysenteric amoebiasis.**

MP, USN, 1943. 18 min, si, color. Order no. MN 2617.

Shows the parasites as cysts in an ulcerated colon; and demonstrates by animation how the amoeba divides into eight amoebulae which move about, and how the amoebae enter the blood. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1124.

**Life cycle of the infantry regiment: Combat.**

MP, USA, 1954. 27 min, sd, b&w. Order no. TF 7-1908.

Explains the staff phases connected with an actual combat operation including analysis of the tactics used in specific combat situations of regiment in attack, regiment in defense, retrograde movement, delaying action pursuits, river crossings, and movement by air.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-18.

**Life cycle of the infantry regiment: Inactivation.**

MP, USA, 1954. 9 min, sd, b&w. Order no. TF 7-1910.

Explains the procedures followed in the inactivation of an Army regiment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-19.

**Life cycle of the infantry regiment: Movement overseas.**

MP, USA, 1954. 18 min, sd, b&w. Order no. TF 7-1906.

Follows each phase in the movement from Camp McCall to Camp Kilner to New York Port of Embarkation and boarding the ship. Emphasizes staff responsibilities.

Borrow from USA. Cleared for TV. LC card FiE 55-158.

**Life cycle of the infantry regiment: Occupation.**

MP, USA, 1954. 10 min, sd, b&w. Order no. TF 7-1909.

Explains the characteristics of occupation duty in the foreign country (Germany), including guarding military equipment and vital industrial plants, collecting weapons from civilians, care of displaced persons, transporting food stuffs to market centers, and safeguarding public health.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-20.

**Life cycle of the infantry regiment: Staging overseas.**

MP, USA, 1954. 9 min, sd, b&w. Order no. TF 7-1907.

Explains the operations of a regiment upon arrival overseas and in the staging area.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-21.

**Life cycle of the infantry regiment: Training.**

MP, USA, 1954. 14 min, sd, b&w. Order no. TF 7-1905.



Discusses in detail the intensive training given to the unit to develop its fighting effectiveness, including basic combat phase, advanced individual phase, basic unit training, advanced unit training, and maneuver phase.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-22.

**Life for the land.**

MP, USIA, 1952. 20 min, sd, b&w. Focuses upon agricultural developments in India; scientific farming as taught by point four technicians; and an Indian farmer's doubts concerning new methods, and his later acceptance of these methods. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-502.

**The life history of the Rocky Mountain wood tick.**

MP, USPHS, 1939. 33 min, si, color.

Explains the distribution, development, and diseases spread by Dermacentor andersoni. Shows the type of habitat, wild and domestic animal hosts, methods of attaching and biting, and the four stages in the life cycle of the tick. For students of embryology, parasitology, and bacteriology.

Borrow from USPHS. LC card FiE 54-258.

**The life of plants.**

MP, USDA, 1935. 13 min, sd, b&w. Shows by means of time-lapse photography the growth of a seed into a fully developed plant; explains the stages and characteristics of plant development.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-401.

**Life, reputation, property.**

FS, USA, 1950. 24 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-10.

States that moral law consists of love of God and love of neighbor; and explains behavior rela-

tive to life, reputation, and property. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FiE 52-2960.

**Lifeblood of the land.**

MP, USDA, 1947. 19 min, sd, color.

Explains that water and life itself depend upon forests; demonstrates the effects of overcutting, overgrazing, and erosion; and shows conservation practices.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-445.

**Lifeboats under gravity davits: Launching boats.**

MP, USN, 1954. 25 min, sd, b&w. Order no. MN 7835-a.

Shows in detail the proper method of launching the merchant marine type of nested lifeboats using the "Welin gravity davit." The proper methods of launching at dockside and while underway at sea are demonstrated.

Buy from UWF. Cleared for TV. LC card FiE 54-362.

**Lifeboats under gravity davits: Recovering boats.**

MP, USN, 1954. 15 min, sd, b&w. Order no. MN 7835-b.

Shows in detail the single method of recovering the merchant marine type of nested lifeboats using the "Welin gravity davit." An actual recovery is demonstrated.

Buy from UWF. Cleared for TV. LC card FiE 54-363.

**Lifeline.**

MP, USA, 1943. 18 min, sd, b&w. Order no. WF 10.

Gives a pictorial account of the opening attack against Rendova and Munda, and the Japanese counterattack. Shows the evacuation of American wounded and the importance of medical supplies. Borrow from USA. LC card FiE 53-9.

**Lifesaving.**

MP, USDA, 1937. 17 min, sd, b&w. Shows the swimming strokes best



adapted to lifesaving; how to approach a drowning person, break his holds, and carry him through the water; methods of rescuing by boat and by ring buoy; and the Schafer method of resuscitation. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-1929.

**Lifesaving.**

MP, USDA, 1937. 29 min, si, color.

Same content as in preceding film.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-1930.

**Lift and drag.**

FS, USN, 1942. 77 fr, b&w. Order no. SN 805.

Explains the aerodynamic theories of lift and drag.

Borrow from USCAA film libraries. LC card FiE 54-783.

**Lifting templates for a foundation.**

MP, USN, 1944. 23 min, sd, b&w. (Shipbuilding skills series. The shipfitter) Order no. MN 2338-a. How to lift a template within the hull of a ship, and transfer the shape of the hull by use of measurements and cardboard.

Buy from UWF. LC card 52-1210.

**Lifting templates for a foundation.**

FS, USN, 1944. 40 fr, b&w. (Shipbuilding skills series. The shipfitter) Order no. SN 2338-m.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1790.

**Light mechanics series, nos. 1-15.**

Sharpening hand gravers

Screws and plates

The eye loop holder

Sharpening jewelers' screwdrivers and tweezers

Turning brass with handgravers.

Part 1: Turning, facing, chamfering, cut-off

Turning brass with handgravers.

Part 2: Turning straight and square shoulders

Removing and replacing balance wheel screws

Making a fiddle bow

Burnishing pivots

Truing balance wheels

Poising balance wheels

Making a cone point set screw

Making a center punch

Making three steel staffs

Making an anchor bolt

**Light-sensitive materials.**

MP, USN, 1948. 22 min, sd, color. (Fundamentals of photography series) Order no. MN 5385.

Physics of light and color; classification of light-sensitive materials according to light sensitivity, and composition of light-sensitive materials.

Buy from UWF. LC card FiE 52-1352.

**Lighthouses and lightships.**

MP, USN, 1944. 10 min, sd, color. (Aids to navigation series) Order no. MN 202-aa.

Gives distinguishing characteristics of lighthouses and lightships. Illustrates fixed light, flashing light, fixed and flashing light, group flashing, occulting, and alternation of color flashes.

Buy from UWF. LC card FiE 52-1046.

**Lighting off.**

MP, USN, 1944. 39 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-a.

Presents an over-all picture of the operation of a fireroom on a Navy ship, stressing the adjustment of each piece of equipment preparatory to getting under way.

Buy from UWF. LC card FiE 52-1182.

**Lights, running and anchor..**

MP, USN, 1942. 18 min, sd, color. (Rules of the nautical road series) Order no. MN 202-c..

Shows inland and international rules for color of lights; position and visibility for masthead, side, range, and anchor lights;



and lights displayed by vessels being overtaken.

Buy from UWF. LC card FiE 52-933.

**Lights; vessels being towed.**

MP, USN, 1943. 10 min, sd, color. (Rules of the nautical road series) Order no. MN 202-f.

Inland light rules for barges and canal boats; scows; barges, scows, and nondescript vessels in New York harbor area; and dump scows in New York harbor. Buy from UWF. LC card FiE 52-936.

**Lima.**

MP, USOIAA, 1944. 16 min, sd, b&w.

A tourist view of Lima including a sketch of its historical background and a discussion of its contemporary problems.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-718.

**Lima family.**

MP, USOIAA, 1944. 18 min, sd, b&w.

Covers activities in a day in the lives of an upper-class family in Lima; compares and contrasts this family with a similarly situated family in the United States.

Rent from USOIAA film libraries. Withdrawn from sale in 1953. LC card FiE 52-719.

**Limpeza tras saude.**

MP, USOIAA, 1945. 9 min, sd, color. Portuguese version of motion picture with title, Cleanliness brings health.

Shows how personal cleanliness, clean food, and safe disposal of excreta are first steps in protection against disease microbes in the home. Compares the habits of a "clean" family with those of a "careless" family. Animated cartoon.

Buy from USHAA. Cleared for TV. LC card FiE 52-546.

**Limpeza trae salud.**

MP, USOIAA, 1945. 9 min, sd, color. Spanish version of motion

picture with title, Cleanliness brings health.

Shows how personal cleanliness, clean food, and safe disposal of excreta are first steps in protection against disease microbes in the home. Compares the habits of a "clean family with those of a "careless" family. Animated cartoon.

Buy from USHAA. Cleared for TV. LC card FiE 52-547.

**Line-up of field teletypewriter set EE-98A.**

MP, USA, 1953. 8 min, sd, b&w. Order no. TF 11-1839.

Demonstrates the step-by-step procedure for lining-up the field teletypewriter EE-98A; and emphasizes the importance of local and distant testing of the equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-602.

**Line-up procedure for tactical telegraph carrier equipment.**

MP, USA, 1953. 8 min, sd, b&w. Order no. TF 11-1837.

Demonstrates the procedure for setting up tactical telegraph carrier equipment for two wire operations, and emphasizes various tests to determine its operating efficiency.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-604.

**Line-up procedure for tactical telephone carrier equipment.**

MP, USA, 1953. 11 min, sd, b&w. Order no. TF 11-1838.

Illustrates the procedure for lining up the terminal and ringer equipment and wiring the circuits; and emphasizes the need for synchronization between east and west terminals and the repeater station.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-603.

**Liner and piston.**

MP, USN, 1945. 20 min, sd, b&w. (Progressive maintenance on the



General Motors 12-567A Diesel engines series. Benchwork) Order no. MN 3708-h.

How to inspect liner; disassemble piston rod assembly; inspect slipper rod assembly, piston assembly, and piston; and replace rings.

Buy from UWF. LC card FiE 52-1365.

The link sextant, air.

MP, USN, 1943. 16 min, sd, b&w. (Navigation series) Order no. MN 83-x.

Explains the operating principle of the sextant and the reading of the vernier scale; shows two ways of making observations and how to grip the sextant when making observations.

Buy from UWF. LC card FiE 52-984.

Liquid in motion.

MP, USN, 1944. 13 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-e.

Reviews the principles of liquids at rest, and defines and illustrates pressure energy and velocity energy. Explains energy output in relation to resistance to flow, and demonstrates the energy output variance with three different lengths of pipe.

Borrow from USCAA film libraries, LC card FiE 54-275.

Little Smokey.

MP, USDA, 1953. 12 min, sd, color.

Story of "Smokey," the bear cub found clinging to a charred tree after a forest fire in New Mexico and later taken to the National Zoo in Washington, D. C. Stresses the importance of forest fire prevention.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 53-599.

Liver fluke disease in sheep (Fascioliasis).

MP, USA, 1949. 13 min, sd, b&w. Order no. PMF 5125.

Reviews the life cycle of the liver-fluke, and explains the control and treatment of this disease. For professional personnel.

Borrow from USAFIP. LC card FiE 53-34.

The liver. Part 1: Normal histology of the human liver.

FS, USPHS, 1949. 121 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (The organs in health and disease series) Order no. 5-106.1.

Explains the structure, architecture, and vascularization of the liver as a basis for understanding the nature of diseases of the liver. Consists primarily of drawings. For medical students and personnel.

Borrow from USPHS-CDC. LC card FiE 53-931.

The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages.

FS, USPHS, 1949. 60 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (The organs in health and disease series) Order no. 5-106.2.

Portrays, through drawings, and explains the structure and function of the hepatic parenchyma and the biliary passages. For medical students and personnel.

Borrow from USPHS-CDC. LC card FiE 53-932.

The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver.

FS, USPHS, 1949. 63 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (The organs in health and disease series) Order no. 5-106.3.

Portrays, through drawings, and explains the arrangement, distribution, and activity of blood lymph vessels in the liver, and the dynamics of sinusoidal circulation. For medical students and personnel.

Borrow from USPHS-CDC. LC card FiE 53-933.



**The liver. Part 1: Normal histology of the human liver. Chapter 3: Interrelationships of vessels and ducts.**

FS, USPHS, 1949. 39<sup>1</sup>/<sub>2</sub> fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (The organs in health and disease series) Order no. 5-106.4.

Portrays, through drawings and a few photographs, and explains the interrelationships of vessels and ducts in the liver. For medical students and personnel.

Borrow from USPHS-CDC. LC card FiE 53-934.

**Livestock and mankind.**

MP, USDA, 1938. 11 min, sd, b&w.

Explains how animal husbandry and veterinary science have increased the usefulness of domestic animals to mankind; and shows the work of the U.S. Dept. of Agriculture in the field of animal industry.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-455.

**Livestock cooperatives in action.**  
MP, USDA, 1950. 15 min, sd, color. Revision of film, Marketing livestock cooperatively.

Traces the history and shows the services of livestock marketing cooperatives.

Borrow from USFCA. Buy from UWF. Cleared for TV. LC card FiE 52-407.

**The living stream.**

MP, USECA, 1950. 27 min, sd, b&w.

Using as examples a Danish farmer, a Swedish welder, and a Norwegian ship's mate, explains the economic interdependence of Scandinavia. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-575.

**Living with limitations.**

MP, USVA, 1949. 20 min, sd, b&w.

Explains how three veterans suffering from arthritis, heart condition, and a trick knee, respec-

tively, are returned to health through aid of the Veterans Administration; how VA physical, occupational, and educational therapists work cooperatively; and how the patients are helped through vocational rehabilitation in finding jobs suited to their physical limitations.

Borrow from USVA. Buy from UWF. LC card FiE 53-96.

**Loading cargo ships.**

MP, USA, 1943. 18 min, sd, b&w. (Military stevedoring series, no. 1) Order no. TF 55-937.

Shows how army men load and unload hatches, stow supplies, seal hatches, and lash deck cargo; explains terms referring to equipment, supplies, and crew members.

Borrow from USA. Buy from UWF. LC card FiE 52-1583.

**Loading of motor and rail cargoes. Part 1: Box cars.**

MP, USA, 1943. 16 min, sd, b&w. Order no. TF 10-1239.

Shows how to load barrels, cardboard containers, boxes, and sacks; brace and block mixed loads; and protect cargoes.

Borrow from USA. Buy from UWF. LC card FiE 52-1741.

**Lobectomy, right upper and middle lobes, in the treatment of pulmonary tuberculosis.**

MP, USA, 1951. 22 min, sd, color. (Thoracic surgery series) Order no. PMF 5209.

Demonstrates a lobectomy of the right upper and middle lobes in the treatment of pulmonary tuberculosis. For medical personnel.

Borrow from USAFIP. LC card FiE 53-14.

**Locating and repairing leaks.**

MP, USOE, 1945. 17 min, sd, b&w. (Refrigeration service series. Domestic units, no. 3) Order no. OE 440. With instructor's manual.

How to test for sulphur dioxide and methyl chloride leaks; use the halide torch to locate freon leaks; and repair several types of leaks.



Buy from UWF. LC card FiE 52-224.

**Locating and repairing leaks.**

FS, USOE, 1945. 38 fr, b&w. (Refrigeration service series. Domestic units, no. 3) Order no. OE 440-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2702.

**Locating holes, drilling and tapping in cast iron.**

MP, USOE, 1942. 18 min, sd, b&w. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1) Order no. OE 47. With instructor's manual.

How to lay out a bolt circle having eight holes; use the center punch as centers for drilling; and use a tapping chuck in tapping two of the holes for set screws.

Buy from UWF. LC card FiE 51-552.

**Locating holes, drilling and tapping in cast iron.**

FS, USOE, 1943. 41 fr, b&w. (Machine shop work series. Operations on the drill press. Vertical drill, no. 1) Order no. OE 47fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-36.

**Location of decks and compartments.**

MP, USN, 1944. 17 min, sd, b&w. (Shipbuilding skills series. Nomenclature of ships) Order no. MN 2334-b.

Explains number and letter designations and deck and compartment arrangement aboard ship.

Buy from UWF. LC card FiE 52-1234.

**Location of decks and compartments.**

FS, USN, 1944. 95 fr, b&w. (Shipbuilding skills series. Nomenclature of ships) Order no. SN 2334-n.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1785.

**The log.**

FS, USCG, 1944. 35 fr, b&w. (Piloting series) Order no. SCG 136-i.

Describes 3 types of logs; taff-rail, Kenyon, and pitometer.

Buy from UWF. LC card FiE 52-835.

**Logistics series.**

Navy materials handling: The fork truck

Navy materials handling: The unit load

**Logistics in reverse.**

MP, USA, 1949. 13 min, sd, color. Order no: PMF 5105.

Shows field medical units of the European Theater of Operations assembling, reconditioning, repairing and repacking medical equipment and supplies for re-shipment to the Pacific in 90 days.

Borrow from USAFIP. LC card FiE 53-42.

**Lonesome road.**

MP, USDA, 1951. 2 min, sd, b&w. (Smokey Bear forest fire prevention, series 2--musical trailers--no. 3).

Animated cartoon, featuring the character Smokey Bear and the tune Lonesome Road, emphasizing forest fire prevention. Prepared primarily for television.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FiE 52-2157.

**The long cane. Part 1: Indoors.**

MP, USVA, 1954. 32 min, sd, b&w.

Covers some of the problems of veterans who lose their sight following discharge from the service. Demonstrates therapeutic methods in general and specific techniques of foot travel, including use of a long cane; physical re-training for mobility within the hospital, and preparation for advanced therapy.



Borrow from USVA. Buy from UWF. LC card FiE 54-107.

**The long cane. Part 2: Outdoors.**  
MP, USVA, 1954. 32 min, sd, b&w,

Shows the therapy given blinded veterans in techniques of foot travel outside the hospital in uncontrolled areas, both residential and business, including uses of the long cane, sound detection, and problems related to public attitudes.

Borrow from USVA. Buy from UWF. LC card FiE 54-108.

**The long rifle.**

MP, USA, 1951. 11 min, sd, b&w. Order no. MF 7871.

Makes the point that throughout the history of the United States, the "long rifle" of freedom has spoken out against tyranny; and compares American soldiers today with the "minute men" of the Revolutionary War.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2067.

**Longer life for wood: The role of preservatives in protecting wood.**

MP, USDA, 1954. 17 min, sd, color or b&w.

Explains the economic advantages of using treated wood in construction where decay is likely to occur, and portrays commercial and home treatment of wood with preservatives.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 54-100.

**A look ahead.**

MP, USA, 1953. 27 min, sd, b&w. Order no. MF 12-8201.

Presents the advantages and opportunities of a career in the U.S. Army.

Borrow from USA. Cleared for TV. LC card FiE 54-440.

**Look to the river.**

MP, USDI-BPA, 1952. 20 min, sd, color.

Explains the integration of water resources and power needs in the Columbia River Basin and why such integration is necessary upon a regional basis. Includes scenes of Bonneville and Grand Coulee Dams in operation and of the construction of McNary and Hungry Horse Dams.

Borrow from USDI-BPA. Buy from ConFilm. LC card FiE 54-316.

**Look to the skies.**

MP, USAF, 1951. 18 min, sd, b&w. Order no. SFP 252.

Explains the importance of tactical air power in the support of ground forces in modern warfare, reviews recent developments, and shows new types of planes developed by the U.S. Air Force Tactical Air Command.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1449.

**Looking ahead.**

MP, USSSA, 1952. 14 min, sd, b&w.

Pictures activities in a Social Security Administration field office at Salisbury, Md. Describes the kinds of people who visit such offices, their questions, and their treatment by SSA employees. Includes information on benefits provided under old age and survivors' insurance.

Borrow from USSSA. Withdrawn from sale in 1954. Cleared for TV. LC card FiE 53-5.

**Loops.**

MP, USN, 1943. 14 min, sd, b&w. (Intermediate acrobatics series) Order no. MN 1325-a.

Demonstrates the procedure of making a loop.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1006.

**Loran: Airborne operations.**

MP, USN, 1944. 23 min, sd, b&w. Order no. MN 2731-b.

Studies the peculiarities of Loran signal patterns as they appear under actual operation. Explains the procedure for installing,



aligning, and operating the gear.  
Borrow from USCAA film libraries. LC card FiE 54-317.

**Loran: Basic principle of Loran operation.**

MP, USN, 1944. 12 min, sd, b&w.  
Order no. MN 2731-a.

Notes radio activity in the ionosphere and the qualities of sky and ground waves. Examines the basic principles of Loran operation. Studies the relevant relation of Loran master and slave stations. Explains that the master sends out the first impulse and the slave station follows, and shows how, from these points, the navigator can plot a fix.  
Borrow from USCAA film libraries. LC card FiE 54-270.

**Loran for ocean navigation.**

MP, USCG, 1947. 20 min, sd, b&w.

Various uses of loran in ocean navigation.

Borrow from USCG. LC card FiE 52-867.

**The Lord's prayer.**

MP, USAF, 1950. 3 min, sd, b&w.  
Order no. SFP 259.

Rendition of The Lord's prayer by the U.S. Air Force's Singing Sergeants.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1430.

**Lost river.**

MP, USBR, 1952. 24 min, sd, b&w.

Explains that half of the water in irrigation systems in the West is lost through seepage, transpiration, faulty structures, and inefficient operation; and shows recommended irrigation methods at reservoirs, on canals and ditchbanks, and on farms.

Borrow from USBR. Buy from UWF. LC card FiE 53-133.

**Low frequency Adcock radio range equipment and field patterns.**

FS, USAF, 1943. 32 fr, b&w.  
Order no. FS 1-528.

Describes the components of the low frequency Adcock radio-range equipment and the theoretical field patterns produced by this equipment.

Borrow from USCAA film libraries. LC card FiE 53-1004.

**Lower Souris Refuge.**

MP, USFWS, 1950. 45 min, si, color.

Shows the Lower Souris Refuge in North Dakota and explains the reasons for the establishment of a national refuge system by the U.S. Fish and Wildlife Service. Includes the sora rail, flicker, Baltimore oriole, lark bunting, prairie chicken, and sharp-tailed grouse.

Borrow from USFWS. Buy from Calvin. LC card FiE 53-532.

**Lowering and raising casualties on a stretcher.**

FS, USFCDA, 1953. 51 fr, b&w.  
Order no. STF 8.

Shows how to lower casualties on a ladder, slide and with a two-point stretcher, and to raise a casualty with a four-point stretcher.

Buy from SVE. LC card FiE 55-517.

**Lubrication.**

MP, USBM, 1942. 30 min, sd, b&w. Order no. 191.

Describes the theory of friction, varying degrees of friction, the value of lubrication, and different kinds of petroleum lubricants for different uses.

Borrow from USBM. Cleared for TV. LC card FiE 52-625.

**Lubrication of military vehicles series, nos. 2-3.**

Methods of lubrication  
Maintenance of equipment

**Lumbar puncture.**

MP, USN, 1944. 13 min, sd, b&w.  
(Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-n.

Shows how to prepare a patient for a lumbar puncture; indicates the position of the patient; describes the operation; and by



animation demonstrates what happens when the injection is made.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-968.

**Lumbar sympathectomy (Gangli-nectomy)**

MP, USA, 1948. 33 min, sd, color. Order no. PMF 5076.

Shows various applications of a lumbar sympathectomy, and the types of conditions that are likely to be benefited by this operation. Demonstrates procainization of the structure to be removed; operative procedure followed; and in detail, the removal of the sympathetic chain. Also shows anatomic and physiologic defects produced by the removal of certain portions of the chain, and an ordinary anatomic demonstration on a cadaver. For medical personnel.

Borrow from USAFIP. LC card FiE 53-60.

**Lung cancer: The problem of early diagnosis.**

MP, USPHS and ACS, 1954. 28 min, sd, color. With booklet.

Emphasizes the importance of periodic chest X-rays in the control of cancer of the lungs; shows by animation the history of lung cancer and the marked increase in its incidence; and explains the diagnosis of lung cancer through illustrations of X-ray diagnostic procedures, the value of exfoliative cytology, the value of bronchoscopy, and an exploratory thoracotomy for biopsy of an unknown chest lesion. For professional audiences.

Borrow from ACS or USPHS-NCI. Buy from ACS. LC card FiE 55-43.

**Lung irritants.**

FS, USA, 1943. 29 fr, color. (Chemical warfare injuries series. Prophylaxis and therapy, no. 1) Order no. FS 8-65.

Shows the clinical appearance of human cases, and the pathological lesions of the respiratory tract produced in animals by

phosgene, chlorine, and chloropicrin. For medical personnel.

Borrow from USAFIP. LC card FiE 53-820.

**The lung. Part 1: Comparative anatomy and normal histology.**

FS, USPHS, 1948. 106 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (The organs in health and disease series) Order no. 5-035. Compares the respiratory systems of vertebrates and invertebrates and the relative efficiency of the avian and mammalian lungs; and explains the anatomy and histology of the human lung. Borrow from USPHS-CDC. LC card FiE 53-903.

**The lyophilizer.**

FS, USPHS, 1951. 76 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. (Infectious hazards of bacteriological techniques series, no. 5) Order no. F 57-g. Demonstrates how dangerous aerosols from cultures of infectious bacteria are liberated during the lyophilization and use of dried organisms, and recommends that lyophilization of highly infectious organisms be done in a ventilated cabinet.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-1054.

**The McCormick-Yoshido Maru incident.**

MP, USN, 1943. 4 min, sd, color. (Rules of the nautical road series) Order no. MN 202-1.

Collision of two ships, which resulted from improper lookout and signals.

Withdrawn from sale in 1954. LC card FiE 52-942.

**MP highway patrol in Germany.**

MP, USA, 1953. 10 min, sd, b&w. Order no. FB 256.

Portrays U.S. Military Police operations on the Autobahn in Germany, including patrol of traffic, law enforcement, and first aid. Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FiE 53-233.



**Machine countersunk flush rivets for aircraft.**

MP, USNACA, 1943. 15 min, si, b&w.

Shows test specimens, equipment, and methods used, and discusses the general conclusions resulting from an investigation conducted by the NACA to determine possible improvements in the shear strength, the tightness, and the flushness of rivets in simple lap joints made by different methods of flush riveting. For technical personnel, to be used with NACA Wartime report L-294: A study of the tightness and flushness of machine-countersunk rivets for aircraft.

Borrow from USNACA. LC card FIE 54-202.

**Machine dishwashing, double tank.**

MP, USN, 1953. 11 min, sd, b&w. Order no. MN 7461-c.

Outlines the steps in operating double-tank dishwashing machines, and stresses the importance of correct timing, cleaning the machine, and the proper use of detergents.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-661.

**Machine dishwashing, single tank.**

MP, USN, 1953. 11 min, sd, b&w. Order no. MN 7461-b.

Outlines the steps in operating single-tank dishwashing machines, and stresses the necessity for mechanical care, efficient operation, and thorough sanitary washing.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-660.

**Machine molding series.**

See Foundry practice series. Machine molding.

**Machine shop work series. Basic machines.**

The drill press

The lathe

The milling machine

The shaper

**Machine shop work series. Bench work, nos. 1-8.**

Cutting threads with taps and dies

Scraping flat surfaces

Fitting and scraping small bearings

Reaming with straight hand reamers

Reaming with taper hand reamers

Laying out small castings

Centering small stock

Fundamentals of filing.

**Machine shop work series. Carbide cutting tools, nos. 1-5.**

Brazing carbide tools

Grinding single-point carbide tools

Grinding multiple-point carbide tools

Cutting with carbide tools. Part 1: Single point

Cutting with carbide tools. Part 2: Milling cutters

**Machine shop work series. Fundamentals of blueprint reading, nos. 1-5.**

Visualizing an object

Reading a three-viewing drawing

Principal, dimensions, reference surfaces and tolerances

Sectional views and projections, finish marks

Reading a drawing of a valve bonnet

**Machine shop work series. Operations on a broaching machine, nos. 1-3.**

Broaching an internal keyway

Single ram vertical surface broaching

Double ram vertical surface broaching

**Machine shop work series. Operations on the center-type grinder, nos. 1-5.**

Grinding a plain pin. Part 1: The grinding wheel

Grinding a plain pin. Part 2: Grinding operations

Grinding a slender shaft with back rest

Plunge cut grinding

Grinding a taper



**Machine shop work series. Operations on the centerless grinding machine, nos. 1-5.**

Thrufeed grinding a straight pin, part 1

Thrufeed grinding a straight pin, part 2

Infeed grinding shouldered work

Infeed grinding a shaft of two diameters

Endfeed grinding a tapered pin

**Machine shop work series. Operations on the cutter grinder, nos. 1-5.**

Sharpening a side milling cutter

Sharpening a plain helical milling cutter

Sharpening a shell end mill

Sharpening an angular cutter

Sharpening a form relieved cutter

**Machine shop work series. Operations on the drill press. Radial drill, nos. 1-2.**

Drilling and tapping cast steel

Drilling to a layout and spotfacing cast iron

**Machine shop work series. Operations on the drill press. Sensitive drill, no. 1.**

Drilling a hole in a pin

**Machine shop work series. Operations on the drill press. Vertical drill, nos. 1-2.**

Locating holes, drilling and tapping in cast iron

Countersinking, counterboring, and spotfacing

**Machine shop work series. Operations on the engine lathe, nos. 1-17.**

Rough turning between centers

Turning work of two diameters

Cutting a taper with the compound rest and with a taper attachment

Drilling, boring, and reaming work held in chuck

Cutting an external national fine thread

Turning a taper with the tailstock set over

Cutting an external acme thread

Cutting an internal acme thread

Cutting an internal taper pipe thread

Turning work held on a fixture

Boring to close tolerances

Machining work held in chuck:

Use of reference surfaces

Turning work held on a mandrel

Using a steady rest

Using a follower rest

Using a boring bar between centers: Work held on carriage

Using a steady rest when boring

**Machine shop work series. Operations on the gear hobbing machine, nos. 1-5.**

Hobbing a spur gear. Part 1:

Setting up the change gears

Hobbing a spur gear. Part 2:

Setting up and hobbing the work

Hobbing a square tooth spline shaft

Hobbing a worm gear: Infeed method

Hobbing a helical gear: Two cuts, nondifferential method

**Machine shop work series. Operations on the horizontal boring mill, no. 1-6.**

Setup for face milling with a fixture

Face milling with a fixture

Contour face milling

Setup for rough line-boring

Rough line-boring

Drilling, tapping, stub-boring, and reaming

**Machine shop work series. Operations on the internal grinder, nos. 1-3.**

Grinding a straight hole

Grinding a deep hole

Grinding and facing a blind hole

**Machine shop work series. Operations on the metal cutting band saw, nos. 1-2.**

Sawing an internal irregular shape

Filing an internal irregular shape

**Machine shop work series. Operations on the milling machine, nos. A and 1-9.**

The milling machine

Cutting keyways



Straddle and surface milling to close tolerances  
 Straddle milling  
 Plain indexing and cutting a spur gear  
 Milling a template  
 Cutting a short rack  
 Boring holes with offset boring head  
 Milling a helical cutter  
 Cutting teeth on a worm gear

**Machine shop work series. Operations on the planer, nos. 1-2.**  
 Planing a flat surface  
 Planing a dovetail slide

**Machine shop work series. Operations on the shaper, nos. 1-3.**  
 Cutting a keyway on end of a finished shaft  
 Machining a cast iron rectangular block  
 Machining a tool steel V block

**Machine shop work series. Operations on the surface grinder, nos. 1-5.**  
 Grinding a parallel bar. Part 1: Setting up the machine  
 Grinding a parallel bar. Part 2: Grinding operations  
 Grinding a template  
 Grinding a V block  
 Grinding thin discs

**Machine shop work series. Operations on the turret lathe, nos. 1-7.**

The turret lathe. An introduction  
 Chuck work. Part 1: Setting up hexagon turret tools

Chuck work. Part 2: Setting up tools for combined cuts  
 Setting up and machining bar stock

Bar work: Magnesium. Part 1: Setting up bar mechanism and roller turner

Bar work: Magnesium. Part 2: Setting up multiple roller turner and turning a taper

Bar work: Magnesium. Part 3: Necking and threading by use of attachment and by die head

**Machine shop work series. Operations on the vertical boring mill, nos. 1-3.**

Rough-facing, turning and drilling

Rough-facing, boring, and turning a shoulder  
 Facing, turning, boring, grooving, and chamfering

**Machine shop work series. Operations on the vertical milling machine, nos. 1-5.**

Using a shell end mill  
 Cutting a dovetail taper slide  
 Cutting a round end keyway  
 Milling a helical groove  
 Milling a circular T-slot

**Machine shop work series. Precision measurement, nos. 1-8.**

The steel rule  
 The micrometer  
 Fixed gages  
 Verniers  
 Height gages and test indicators  
 Precision gage blocks  
 The bevel protractor  
 Gage blocks and accessories

**Machine shop work series. Single point cutting tools, nos. 1-2.**  
 Fundamentals of side cutting tools  
 Fundamentals of end cutting tools

**Machine tools series.**

The lathe  
 The milling machine  
 Planers  
 The shaper

**Machine transcription: Machine operation.**

MP, USN, 1943. 15 min, sd, b&w.  
 Order no. 1562-a.

Explains the purpose of dictating and transcribing machines, and demonstrates the operation of the dictaphone and ediphone types.

Buy from UWF. LC card FiE 52-72.

**Machine transcription: Transcription technique.**

MP, USN, 1943. 21 min, sd, b&w.  
 Order no. 1562-b.

How to phrase dictation at various speeds; prepare for a day's work; compose a letter; and correct errors in the transcription on the cylinder. "Do's" and "don'ts" of good transcription.

Buy from UWF. LC card FiE 52-73.



**Machining a cast iron rectangular block.**

MP, USOE, 1942. 25 min, sd, b&w. (Machine shop work series. Operations on the shaper, no. 2) Order no. OE 20. With instructor's manual.

How to set the shaper ram stroke; adjust the shaper table, vise, vertical feed, head feed, and cross-feed; and set up a rectangular cast iron block and machine all six sides to dimensions and square with each other.

Buy from UWF. LC card FIE 51-523.

**Machining a cast iron rectangular block.**

FS, USOE, 1943. 52 fr, b&w. (Machine shop work series. Operations on the shaper, no. 2) Order no. OE 20-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-52.

**Machining a tool steel V block.**

MP, USOE, 1942. 21 min, sd, b&w. (Machine shop work series. Operations on the shaper, no. 3) Order no. OE 21. With instructor's manual.

How to lay out work for machining on a shaper; set up and position the ram stroke; and machine V grooves and rectangular slots.

Buy from UWF. LC card FIE 51-525.

**Machining a tool steel V block.**

FS, USOE, 1943. 33 fr, b&w. (Machine shop work series. Operations on the shaper, no. 3) Order no. OE 21-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-50.

**Machining laminated plastics.**

MP, USOE, 1945. 19 min, sd, b&w. (Plastics series, no. 10) Order no. OE 475. With instructor's manual.

How to machine a typical laminated part; cut the tube stock to length on a circular saw; turn

the outside diameters on a lathe; machine inside diameters by boring with a lathe; and finish the machining on a milling machine. Buy from UWF. LC card FIE 52-302.

**Machining laminated plastics.**

FS, USOE, 1945. 39 fr, b&w. (Plastics series, no. 10) Order no. OE 475-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2759.

**Machining work held in chuck: Use of reference surfaces.**

MP, USOE, 1944. 24 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 12) Order no. OE 60. With instructor's manual.

How to select and machine surfaces to be used for reference; set up a workpiece accurately to the reference surfaces in a lathe chuck; and use a boring bar to machine several internal surfaces.

Buy from UWF. LC card FIE 51-509.

**Machining work held in chuck: Use of reference surfaces.**

FS, USOE, 1944. 31 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 12) Order no. OE 60-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-29.

**Made in occupied Japan.**

MP, USA, 1949. 14 min, sd, b&w. Order no MF 7561.

Story of the revival of the pottery industry in Japan, demonstrating the various processes involved in making pottery.

Borrow from USA. Buy from UWF, Cleared for TV. LC card FIE 52-1625.

**Magic bullets.**

MP, USPHS, 1943. 30 min, sd, b&w.



A condensation of the feature film portraying Dr. Paul Ehrlich's experiments over a number of years in developing a cure for syphilis.

Borrow from USPHS. LC card FiE 53-226.

**The magnetic compass.**

FS, USCG, 1944. 39 fr, b&w. (Piloting series) Order no. SCG 136-b.

Explains the construction and operation of the magnetic compass.

Buy from UWF. LC card FiE 52-842.

**Magnetic instruments.**

FS, USN, 1943. 55 fr, b&w with disc: 16 in, 33 1/3 rpm, 23 min. (Instrument flight control series) Order no. SN 1059-c.

Explains the operation of a magnetic compass; meaning of and reason for easterly and westerly variation; how objects affect a compass; and the purpose of weight mass, compensating diaphragm, compass compensator, and compensating magnets.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1888.

**Maintaining good voltage on rural distribution lines.**

MP, USDA, 1953. 37 min, sd, b&w. An electrical engineer explains, through blackboard illustrations, methods that may be used to evaluate voltage conditions on rural distributive systems of electricity, and suggests means for voltage improvement. Prepared for the training of employees of rural electrification cooperatives.

Borrow from USDA. Buy from UWF. Cleared for TV: LC card FiE 53-632.

**Maintaining good working conditions.**

MP, USOE, 1944. 9 min, sd, b&w. (Problems in supervision series) Order no. OE 152. With instructor's manual.

Two supervisors describe specific ways, dramatically re-en-

acted, which they used in improving working conditions.

Buy from UWF. LC card FiE 52-137.

**Maintaining quality standards.**

MP, USOE, 1944. 10 min, sd, b&w. (Problems in supervision series) Order no. OE 164. With instructor's manual.

A supervisor learns that quality as well as quantity production is necessary, and how such quality standards can be achieved and maintained.

Buy from UWF. LC card FiE 52-78.

**Maintaining workers' interest.**

MP, USOE, 1944. 13 min, sd, b&w. (Problems in supervision series) Order no. OE 159. With instructor's manual.

Dramatized instances of employees doing poor work because their jobs do not interest them, and what the supervisor should do to detect and remedy such situations.

Buy from UWF. LC card FiE 52-79.

**Maintenance and repair of steam condensers: Circulating water side.**

MP, USN, 1952. 17 min, sd, b&w. Order no. FN 6733.

Explains the principle and operation of the steam condenser, and shows the procedures of preparing, cleaning, inspecting, repairing, and testing a condenser.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-2128.

**Maintenance of equipment.**

MP, USA, 1945. 21 min, sd, b&w. (Lubrication of military vehicles series, no. 3) Order no. TF 9-1418.

Explains how to clean and maintain volume pump and pressure guns, including hand operated and machine operated guns, hoses, fittings, and lubricant storage containers.

Borrow from USA. Buy from UWF. LC card FiE 52-1737.



**Maintenance of office machines.**  
MP, USN, 1943. 37 min, sd, b&w.  
Order no MN 1513.

Care and maintenance of typewriters, transcribing machines, dictaphones, adding machines, and calculators.

Buy from UWF. LC card FiE 52-71.

**Maintenance of plexiglass and lucite.**

MP, USN, 1945. 38 min, sd, b&w.  
Order no. MN 2218-b.

Demonstrates how to clean plexiglass and lucite using soap and water and recommended cleaning fluids; and shows how to remove scratches and repair a crack or bullet hole.

Buy from UWF. LC card FiE 52-1220.

**Maintenance of storage batteries.**  
FS, USN, 1942. 52 fr, b&w. Order no. SN 931.

Shows proper methods of installing a storage battery and of maintaining it by periodic inspections and servicing.

Buy from UWF. LC card FiE 52-1882.

**Maintenance tank cleaning: Butterworth method.**

MP, USN, 1950. 31 min, sd, b&w. (Navy tank cleaning procedures series) Order no. MN 6689-a. Explains how purposes govern procedures to be followed and shows basic techniques in applying Butterworth method.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1264.

**Make no little plans**

MP, USN, 1948. 20 min, sd, b&w.  
Order no. MN 6611.

Discusses present and future construction problems to be solved by U.S. Navy construction engineers. Designed to interest college engineering students in a career with the Navy Civil Engineer Corps.

Borrow from USN. LC card FiE 55-93.

**Make your chalk talk.**

FS, USN, 1942. 56 fr; b&w with disc: 16 in, 33 1/3 rpm, 15 min.  
Order no. SN 101.

Offers suggestions on how to prepare and use the blackboard and chalk for instructional purposes. Demonstrates the use of the compass and straightedge.

Buy from UWF. LC card FiE 52-1827.

**Making a center punch.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 13) Shows the grinding of a simple form cutting tool and the use of this tool in turning a center punch on a lathe.

Borrow from USVA. LC card FiE 54-184.

**Making a cold bend on a hand powered machine.**

MP, USOE, 1944. 13 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 4) Order no. OE 108. With instructor's manual.

Importance of bends in marine pipe installation; how to measure pipe for bends; and operate a hand-bending machine.

Buy from UWF. LC card FiE 52-202.

**Making a cold bend on a hand powered machine.**

FS, USOE, 1944. 49 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 4) Order no. OE 108-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2683.

**Making a cone point set screw.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 12) Demonstrates how to make a cone point set screw from carbon steel rod stock, including turning point on a lathe, threading the screw, and making the screw head.

Borrow from USVA. LC card FiE 54-183.



**Making a core box for a flanged pipe elbow.**

MP, USOE, 1945. 21 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 10) Order no. OE 330. With instructor's manual. How to use a pattern layout in making a core box; design a core box; lay out a curved core piece; turn the core cavity in a curved piece; assemble a core box having a curved core piece; and finish the core box.

Buy from UWF. LC card FiE 52-126.

**Making a core box for a flanged pipe elbow.**

FS, USOE, 1945. 40 fr, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 10) Order no. OE 330-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2584.

**Making a core box for a machine base.**

MP, USOE, 1945. 12 min, sd, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 334. With instructor's manual.

How a patternmaker, working from a casting, goes about the job of designing a core box; examines the casting; visualizes the problem; makes the layout; and constructs the pattern and core boxes.

Buy from UWF. LC card FiE 52-130.

**Making a core box for a machine base.**

FS, USOE, 1945. 26 fr, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 334-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2589.

**Making a core box for a tail print.**

MP, USOE, 1945. 18 min, sd, b&w. (Precision wood machining

series. Fundamentals of pattern-making, no. 4A) Order no. OE 350. With instructor's manual.

How to use dry sand cores in molding holes in castings; use pattern layout to make a core box; distinguish between core and core print; lay out the core print; add the core; and determine parting line of a core box.

Buy from UWF. LC card FiE 52-135.

**Making a core box for a tail print.**

FS, USOE, 1945. 34 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 4A) Order no. OE 350-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2587.

**Making a core box for a vertical core.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 9) Order no. OE 329. With instructor's manual.

Function of the sand core; how to make a half box; use parted boxes; use layout pattern in making a core box; prepare core box pieces; and assemble a core box.

Buy from UWF. LC card FiE 52-125.

**Making a core box for a vertical core.**

FS, USOE, 1945. 32 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 9) Order no. OE 329-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2583.

**Making a fiddle bow.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 8)

Illustrates the making, with simple hand tools, of a fiddle bow,



an instrument used to supply power by hand for the operation of a dead center lathe or pivot polisher used in making and repairing watches, instruments, and other timing devices.

Buy from USVA. LC card FiE 54-179.

**Making a five tuck splice.**

MP, USOE, 1944. 26 min, sd, b&w. (Aircraft work series. Control cables, no. 2) Order no. OE 143. With instructor's manual.

How to prepare the cable for splicing; make the first tuck and the four succeeding tucks; and taper, set, serve, and shellac the splice.

Buy from UWF. LC card FiE 52-24.

**Making a five tuck splice.**

FS, USOE, 1944. 58 fr, b&w. (Aircraft work series. Control cables, no. 2) Order no. OE 143-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2543.

**Making a girl's dress.**

FS, USDA, 1951. 65 fr, single or double, b&w. Order no. 694. With lecture notes.

Shows step-by-step the processes in making a girl's dress, including a plan of working by units.

Buy from PhotoLab. LC card FiE 53-1031.

**Making a hot bend.**

MP, USN, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Pipefitting) Order no. MN 2337-c.

Shows by diagrams and demonstration how to select pipe, pack with sand, heat, and bend.

Buy from UWF. LC card FiE 52-1191.

**Making a hot bend.**

FS, USN, 1944. 42 fr, b&w. (Shipbuilding skills series. Pipefitting) Order no. SN 2337-o.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1788.

**Making a master contour template.**

MP, USOE, 1944. 18 min, sd, b&w. (Aircraft work series. Templates, no. 1) Order no. OE 125. With instructor's manual.

Purpose of a master contour template; how to transfer a line from a linesboard to a piece of sheet metal; measure and record bevel angles; and the importance of frequent checks for accuracy.

Buy from UWF. LC card FiE 52-12.

**Making a master contour template.**

FS, USOE, 1944. 34 fr, b&w. (Aircraft work series. Templates, no. 1) Order no. OE 125-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2514.

**Making a master developed layout, part 1.**

MP, USOE, 1944. 20 min, sd, b&w. (Aircraft work series. Templates, no. 2) Order no. OE 126. With instructor's manual.

How to make the complete pattern or master developed layout for a bulkhead in an airplane fin, using a master contour template.

Buy from UWF. LC card FiE 52-13.

**Making a master developed layout, part 1.**

FS, USOE, 1944. 36 fr, b&w. (Aircraft work series. Templates, no. 2) Order no. OE 126-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2513.

**Making a master developed layout, part 2; and making the form block.**

MP, USOE, 1944. 16 min, sd, b&w. (Aircraft work series. Templates, no. 3) Order no. OE 127. With instructor's manual.

How to complete the master developed layout by calculating and



scribing the form block lines; how to make the form block.  
Buy from UWF. LC card FiE 52-11.

**Making a master developed layout, part 2; and making the form block.**

FS, USOE, 1944. 50 fr, b&w. (Aircraft work series. Templates, no. 3) Order no. OE 127-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2515.

**Making a matchboard pattern.**

MP, USOE, 1945. 21 min, sd, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 8) Order no. OE 328. With instructor's manual.

How to sketch a matchboard; make the patterns; prepare gates to connect patterns; prepare the runner for the cope side; assemble the matchboard; turn a draft paper on a hole; and attach flask fixtures.

Buy from UWF. LC card FiE 52-124.

**Making a marchboard pattern.**

FS, USOE, 1945. 41 fr. b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 8) Order no. OE 328-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2582.

**Making a one-piece flat pattern.**

MP, USOE, 1945. 22 min, sd, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 1) Order no. OE 321. With instructor's manual.

How to identify the parts of the molding flask; use shrinkage rules; prepare a pattern layout; prepare the pieces that make up a pattern; make identical castings; and finish the patterns.

Buy from UWF. LC card FiE 52-118.

**Making a one-piece flat pattern.**  
FS, USOE, 1945. 37 fr, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 1) Order no. OE 321-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2575.

**Making a pattern for a flanged pipe elbow.**

MP, USOE, 1945. 18 min, sd, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 7) Order no. OE 327. With instructor's manual.

How to make a right-angle layout; turn out separate core prints; make split flanges; set flanges into core prints; assemble half the pattern on the layout; dowel an elbow pattern; apply leather fillets.

Buy from UWF. LC card FiE 52-123.

**Making a pattern for a flanged pipe elbow.**

FS, USOE, 1945. 41 fr, b&w. (Precision wood machining series. Fundamentals of patternmaking, no. 7) Order no. OE 327-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2581.

**Making a pattern for a machine molded steel globe and angle valve.**

MP, USOE, 1945. 14 min, sd, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 340. With instructor's manual.

How machine molding affects pattern design; how a patternmaker designs and constructs a pattern for a valve body, including the gating system.

Buy from UFW. LC card FiE 52-134.

**Making a pattern for a machine molded steel globe and angle valve.**

FS, USOE, 1945. 36 fr, b&w. (Precision wood machining



series. Problems in pattern-making) Order no. OE 340-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2600.

**Making a pattern for a three-part mold.**

MP, USOE, 1945. 20 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 6) Order no. OE 326. With instructor's manual.

Reasons for the three-part pattern; how to make the layout; segment the body or center section; eliminate end grain on large flanges; and turn large work on the end of the lathe.

Buy from UWF. LC card FiE 52-122.

**Making a pattern for a three-part mold.**

FS, USOE, 1945. 40 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 6) Order no. OE 326-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2580.

**Making a pattern requiring box construction.**

MP, USOE, 1945. 17 min, sd, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 333. With instructor's manual.

How a patternmaker approaches the task of making a pattern for a duplicate of a casting; examines and measures the casting; visualizes the problem; and constructs the pattern.

Buy from UWF. LC card FiE 52-129.

**Making a pattern requiring box construction.**

FS, USOE, 1945. 31 fr, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 333-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2588.

**Making a pattern requiring cover core.**

MP, USOE, 1945. 14 min, sd, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 332. With instructor's manual.

How a molding and coring problems lead to the choice of a cover core; how a patternmaker designs a pattern (and core boxes) requiring a cover core; designs a cover print; and constructs a pattern for a cover pulley.

Buy from UWF. LC card FiE 52-128.

**Making a pattern requiring cover core.**

FS, USOE, 1945. 35 fr, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 332-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2585.

**Making a pattern requiring segmental construction.**

MP, USOE, 1945. 13 min, sd, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 335. With instructor's manual.

Why segmental construction is a preferred method for some patterns; how a patternmaker designs and constructs a pattern for a gear blank which requires segmental construction.

Buy from UWF. LC card FiE 52-89.

**Making a pattern requiring segmental construction.**

FS, USOE, 1945. 30 fr, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 335-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2590.



**Making a pattern using a green and a dry sand core.**

MP, USOE, 1945. 14 min, sd, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 331. With instructor's manual.

How a green sand core is molded; how a patternmaker determines when to allow for a green sand core, designs a pattern allowing for a green sand core, and visualizes and constructs a particular pattern.

Buy from UWF. LC card FiE 52-127.

**Making a pattern using a green and a dry sand core.**

FS, USOE, 1945. 31 fr, b&w. (Precision wood machining series. Problems in pattern-making) Order no. OE 331-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2586.

**Making a pattern with a horizontal core.**

MP, USOE, 1945. 14 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 3) Order no. OE 323. With instructor's manual.

When to use a horizontal core; how to allow for shrinkage in bronze; lay out fillets; make horizontal core prints; true up a parting plane; dowel a pattern with a horizontal core; and turn crusher strips.

Buy from UWF. LC card FiE 52-121.

**Making a pattern with a horizontal core.**

FS, USOE, 1945. 41 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 3) Order no. OE 323-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2579.

**Making a pattern with a tail print.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining

series. Fundamentals of pattern-making, no. 4) Order no. OE 324. With instructor's manual.

How to mold castings with holes; make a rough sketch for visualizing the actual casting; use dry sand cores; form core cavities by using tail prints; and make a layout including tail prints.

Buy from UWF. LC card FiE 52-120.

**Making a pattern with a tail print.**

FS, USOE, 1945. 31 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 4) Order no. OE 324-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2578.

**Making a pattern with a vertical core.**

MP, USOE, 1945. 14 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 2) Order no. OE 322. With instructor's manual.

Importance of making a preliminary sketch; how to make the layout; allow for shrinking; allow for finish; lay out the core prints; use the layout; assemble the pattern; allow for draft; and shellac the pattern.

Buy from UWF. LC card FiE 52-117.

**Making a pattern with a vertical core.**

FS, USOE, 1945. 46 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 2) Order no. OE 322-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2576.

**Making a segmented pattern.**

MP, USOE, 1945. 22 min, sd, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 5) Order no. OE 325. With instructor's manual.



How to plan segmentation of pattern; lay out segments and web; assemble the pattern; prepare a recessed hub; and finish the pattern.

Buy from UWF. LC card FiE 52-119.

**Making a segmented pattern.**

FS, USOE, 1945. 52 fr, b&w. (Precision wood machining series. Fundamentals of pattern-making, no. 5) Order no. OE 325-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2577.

**Making a simple core.**

MP, USOE, 1944. 15 min, sd, b&w. (Foundry practice series. Bench molding, no. 2) Order no. OE 424. With instructor's manual.

How to prepare sand for core-making; make a small cylindrical core in either one or two pieces; assemble a two-piece core; locate a vertical core in a mold to provide necessary venting; and how core gases escape when a mold is poured.

Buy from UWF. LC card FiE 52-107.

**Making a simple core.**

FS, USOE, 1944. 31 fr, b&w. (Foundry practice series. Bench molding, no. 2) Order no. OE 424-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2565.

**Making a wire template.**

MP, USN, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Pipefitting) Order no. MN 2337-b. Shows how to draw lay-out measurements, with and without blueprints, transfer blueprints, find the radius with a beam compass, and bend a template.

Buy from UWF. LC card FiE 52-1190.

**Making a wire template.**

FS, USN, 1944. 23 fr, b&w. (Shipbuilding skills series. Pipefitting) Order no. SN 2337-n.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1787.

**Making a wrapped and soldered splice.**

MP, USOE, 1944. 15 min, sd, b&w. (Aircraft work series. Control cables, no. 1) Order no. OE 144. With instructor's manual.

How to make a ball soldered terminal; prevent the wires from unlaying when cut; fit a cable to a thimble; and make the wire wrap.

Buy from UWF. LC card FiE 52-15.

**Making a wrapped and soldered splice.**

FS, USOE, 1944. 35 fr, b&w. (Aircraft work series. Control cables, no. 1) Order no. OE 144-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2546.

**Making an anchor bolt.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 15)

Demonstrates how to use a lathe to make an anchor bolt from cold rolled steel.

Borrow from USVA. LC card FiE 54-186.

**Making and repairing tubing connections.**

MP, USOE, 1944. 18 min, sd, b&w. (Refrigeration service series. Commercial systems, no. 5) Order no. OE 452. With instructor's manual.

How to straighten copper tubing; work, cut, and dress copper tubing; make a flare for various sizes of tubing; and sweat in a connector to cover a break.

Buy from UWF. LC card FiE 52-263.



**Making and repairing tubing connections.**

FS, USOE, 1944. 40 fr, b&w. (Refrigeration service series. Commercial systems, no. 5) Order no. OE 452-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-265.

**Making insert patches.**

FS, USN, 1943. 16 fr, b&w. (Fabric repairs series) Order no. SN 1994-c.

Shows how insert patches are made in airplane fabric; how the fabric should be prepared and a patch cut and applied to the fabric.

Buy from UWF. LC card FiE 52-1769.

**The making of aeronautical charts.**

MP, USA - Eng. 1953. 15 min, sd, color.

Illustrates the process of producing an aeronautical chart from the receipt of source material through the compilation stage and editing process to final drafting and the various photographic steps.

Borrow from USA - Eng. Cleared for TV. LC card FiE 54-441.

**The making of character.**

FS, USA, 1950. 21 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-12.

Contrasts personality and character and stresses the importance of developing good habits. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FiE 52-2962.

**Making pattern, core boxes, and assembling cores for a water-cooled motor block.**

MP, USOE, 1945. 15 min, sd, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 339. With instructor's manual.

How a patternmaker constructs the pattern and master core

boxes; checks the working core boxes; pastes up and assembles test cores.

Buy from UWF. LC card FiE 52-133.

**Making pattern, core boxes, and assembling cores for a water-cooled motor block.**

FS, USOE, 1945. 32 fr, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 339-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2594.

**Making seawater drinkable.**

MP, USN, 1944. 14 min, sd, b&w. Order no. MN 2612.

Shows and explains action of seawater on the human body; desalting kit; how chemical biquets react on seawater; how pure water is filtered out; and how a castaway uses the filter bag.

Withdrawn from sale in 1954. LC card FiE 52-1089.

**Making sheet metal repairs.**

MP, USOE, 1945. 19 min, sd, b&w. Aircraft work series. Aircraft maintenance) Order no. OE 252. With instructor's manual.

How to remove damaged area around hole and lay out trimlines; prepare hole to receive patch; "bump" out plug and doubler; mark and drill plug and doubler; and rivet completed patch to part.

Buy from UWF. LC card FiE 52-277.

**Making sheet metal repairs.**

FS, USOE, 1945. 34 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 252-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2733.

**Making the march graph.**

FS, USA, 1953. 54 fr, b&w, with disc: 16 in, 33 1/3 rpm, 15 min. Order no. SFS 55-10.

Explains the use, preparation, and interpretation of the march



graph used in planning motor vehicle movements and foot marches of soldiers. Emphasizes the methods and procedures used in constructing simplex and complex march graphs.

Borrow from USA. Buy from UWF. LC card FIE 54-705.

**Making three steel staffs.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 14)

Demonstrates techniques in the turning of steel on a lathe and the grinding of special cutting tools.

Borrow from USVA. LC card FIE 54-185.

**Making useful articles from coconut material.**

FS, USN, 1944. 88 fr, b&w with disc: 16 in, 33-1/3 rpm, 10 min. (Castaway series) Order no. SN 2306-c.

Explains the many ways in which a coconut tree may be useful to a castaway, including use of the fronds in making shelters.

Buy from UWF. LC card FIE 52-1782.

**Malaria.**

MP, USPHS, 1944. 13 min, sd, b&w. (Malaria control series) Order no. 4-024. With film guide. Describes Anopheles quadrimaculatus and its habitat; transmission, diagnosis, and treatment of malaria; economic and related results of malaria; and individual and community preventive measures. Consists of still pictures.

Borrow from USPHS-CDC. LC card FIE 52-2273.

**Malaria.**

FS, USPHS, 1945. 101 fr, b&w with disc: 16 in, 33-1/3 rpm, 13 min. (Malaria control series) Order no. 5-046. With film guide. Presents same pictures and narration as in motion picture with the same title.

Borrow from USPHS-CDC. LC card FIE 52-2987.

**Malaria control on Corsica.**

MP, USA, 1945. 13 min, sd, b&w. Order no. FB 200.

Describes mosquito control measures taken for the prevention of malaria on Corsica, showing the destruction of breeding places, killing with sprays, screening, and individual protection.

Borrow from USAFIP. LC card FIE 53-77.

**Malaria control on impounded waters.**

MP, USPHS, 1948. 19 min, sd, color. Order no. 4-069.1.

Depicts the malaria control program for the Kentucky reservoir-planning operations; reservoir clearance before impoundage; permanent control measures including dyking and dewatering; emergency control measures including house mosquito-proofing and spraying; and reservoir operations.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-192.

**Malaria control series.**

Anopheles census: A basic field procedure in setting up malaria control projects

Concret ditching for malaria control

DDT as a mosquito larvicide

Dynamite

Experimental malaria transmission

Malaria

Mosquito proofing for malaria control

Pole drainage

Preparation and staining of blood films

Rearing and handling of anopheles mosquitoes

Staining blood films for malaria parasite examination

The use of aircraft for insect control. Part 1: Mosquito control

**Malaria; guerra ao mosquito.**

MP, USOIAA, 1943. 10 min, sd, color. Portuguese version of motion picture with title, Winged scourge.



Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs. Buy from USIAA. Cleared for TV. LC card FiE 52-507.

**Malaria: How to stop it.**  
FS, USPHS, 1947. 27 fr, b&w. Order no. 5-088.  
Portrays general methods of controlling anopheline mosquitoes in order to prevent malaria. Borrow from USPHS - CDC. LC card FiE 53-925.

**Malignant oral tumors.**  
MP, USA, 1950. 40 min, sd, color. Order no. PMF 5137.  
Gives the history, diagnosis, characteristics, treatment, and results of various cases of malignant oral tumors. For professional personnel. Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 53-29.

**Man is a moral being.**  
FS, USA, 1951. 44 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-17.  
Explains that man is endowed with conscience and reason, and is a moral being. Prepared for use by army chaplains. Buy from UWF. LC card FiE 52-2967.

**Man-made canyon.**  
MP, USBM, 1949. 19 min, sd, b&w. Order no. 232.  
Shows methods and equipment used in extracting nickel-copper ore from an open-pit mine, including blasting, clearing ore from pit, and transporting ore to the crushing plant. Borrow from USBM. Cleared for TV. LC card FiE 52-660.

**Man overboard emergency drill.**  
FS, USN, 1942. 20 fr, b&w with disc: 16 in, 33-1/3 rpm, 20 min. Order no. SN 370.  
Demonstrates procedures involved in rescuing a man overboard, including the launching of

a boat, signaling, and securing the boat after rescue. Buy from UWF. LC card FiE 52-1864.

**Man with a mission.**  
MP, USA, 1950. 17 min, sd, b&w. Order no. MF 7800.  
Story of a typical member of the Organized Reserve Corps and his training in all fields; explains opportunities offered to young men by the Organized Reserve Corps. Borrow from USA. Buy for UWF. Cleared for TV. LC card FiE 52-1633.

**Management and technique of pulmonary lobectomy.**  
MP, USA, 1947. 31 min, sd, color. Order no. PMF 5065.  
Demonstrates the diagnosis of bronchiectasis through clinical manifestations and bronchograms, and shows extirpation of diseased lung tissue. Borrow from USAFIP. LC card FiE 54-43.

**Management of abdominal colostomies (intraperitoneal closures).**  
MP, USA, 1947. 22 min, sd, color. Order no. PMF 5008.  
Records cases of abdominal colostomies encountered during World War II. Explains the factors essential to an evaluation of each type, and the resultant methods surgical approach. For medical personnel. Borrow from USAFIP. LC card FiE 52-2243.

**Management of men in forest fire fighting.**  
MP, USDA, 1942. 59 min, si, color.  
Demonstrates how to organize forest fire fighting crews. Buy from UWF. LC card FiE 52-594.

**A man's appearance counts.**  
FS, USDA, 1954. 39 double fr, color. Order no. C-36. With lecture notes.  
Explains factors to be considered by men in choosing clothes suited



to themselves and to different occasions.

Buy from PhotoLab. LC card FiE 54-753.

**Manson's blood fluke.**

MP, USPHS, 1948. 16 min, sd, b&w. Order no. 4-034.

Demonstrates stages in the life cycle of *Schistosoma mansoni* in secondary and primary hosts; explains the biologic relationships between the blood fluke and its hosts--man and snail; and discusses the pathology of Manson's schistosomiasis in man. Primarily animation and photomicrography.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-181.

**Manual cutting a bevel: Freehand.**

MP, USOE, 1944. 13 min, sd, b&w. (Welding procedures series. Oxygen cutting, no. 2) Order no. OE 187. With instructor's manual.

How to select a tip for bevel cutting; clean a tip; adjust oxygen and acetylene pressure for bevel cutting; and cut a bevel with minimum drag.

Buy from UWF. LC card FiE 52-290.

**Manual cutting a bevel: Freehand.**

FS, USOE, 1944. 45 fr, b&w. (Welding procedures series. Oxygen cutting, no. 2) Order no. OE 187-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2747.

**Manual cutting a shape: Freehand guided.**

MP, USOE, 1944. 16 min, sd, b&w. (Welding procedures series. Oxygen cutting, no. 3) Order no. OE 188. With instructor's manual.

How to make plywood template for cutting; make a tip guide device; position a template for cutting; use the guide device; and use a circle cutting device.

Buy from UWF. LC card FiE 52-291.

**Manual cutting a shape: Freehand guided.**

FS, USOE, 1944. 45 fr, b&w. (Welding procedures series. Oxygen cutting, no. 3) Order no. OE 188-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2748.

**Manual cutting to a line: Freehand.**

MP, USOE, 1944. 21 min, sd, b&w. (Welding procedures series. Oxygen cutting, no. 1) Order no. OE 186. With instructor's manual.

How to assemble an oxyacetylene cutting outfit; select the proper cutting tip; adjust oxygen and acetylene delivery pressures; adjust the preheating cutting flames; make a 90 degree freehand cut; and disassemble the cutting outfit.

Buy from UWF. LC card FiE 52-289.

**Manual cutting to a line: Freehand.**

FS, USOE, 1944. 50 fr, b&w. (Welding procedures series. Oxygen cutting, no. 1) Order no. OE 186-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2745.

**The manual of arms.**

MP, USN, 1942. 29 min, sd, b&w. (Close order drill series) Order no. MN 201-c.

Shows how to execute order arms, inspect arms, trail arms, left and right shoulder arms, and parade rest, to fix and unfix bayonets, and to perform the rifle salutes.

Buy from UWF. LC card FiE 52-1073.

**Manufactured abrasives.**

MP, USBM, 1940. 24 min, sd, b&w. Order no. 185.

Shows the manufacture of carborundum and aloxite, the making of grinding wheels by the vitri-



fied process, and illustrative uses of manufactured abrasives. Borrow from USBM. Cleared for TV. LC card FiE 52-620.

**Many men at many guns.**

MP, USN, 1944. 21 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-a.

Presents, for new recruits and hospital corpsmen, a preview of the corpsman's job from boot camp, Hospital Corps schools, hospital duty, and sea duty, to battle stations and casualties at sea and ashore.

Borrow from USN-BuMed. LC card FiE 54-295.

**Map making for wardens.**

MP, USFCDA, 1952. 63 fr, color with disc: 12 in, 33-1/3 rpm, 12 min. Order no. 1. With training bulletin.

Shows how a civil defense block warden gathers information about the physical characteristics and prepares a map of his block.

Borrow from USFCDA. Buy from SVE. LC card FiE 55-522.

**Marine Corps Air Reserve technical indoctrination.**

MP, USMC, 1953. 13 min, sd, b&w. Order no. MH 7914.

Illustrative activities of the first summer training period for high-school graduates who have joined the Marine Corps Air Reserve. Shows recruit activity at a Marine air station with emphasis on the opportunities offered young men to learn a technical aviation trade.

Borrow from USMC. Cleared for TV. LC card FiE 54-442.

**The Marine Corps and close air support.**

MP, USMC, 1953. 13 min, sd, color. Order no. MH 7906.

Describes briefly the history of "close air support" as developed by the U. S. Marine Corps, and demonstrates the necessity of close coordination and teamwork between ground and air personnel.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FiE 53-473.

**The Marine Corps and the helicopter.**

MP, USMC, 1953. 14 min, sd, b&w. Order no. MH 7911.

Explains the developmental use of the helicopter by the U. S. Marine Corps for land and amphibious warfare, portrays various uses of the helicopter, and stresses its maneuverability and versatility.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FiE 53-170.

**Marine Diesel engines for power boats.**

MP, USN, 1942. 16 min, sd, b&w. Order no. MN 47.

Shows the Buda marine Diesel engines DA, DB, and DD; explains the mechanical operation of the DB, and its points of difference from the DD.

Buy from UWF. LC card FiE 52-1070.

**Marine electricity series.**

See Shipbuilding skills series. Marine electricity.

**Marine gas turbine engines, principles of operations.**

MP, USN, 1952. 17 min, sd, color. Order no. MN 7407-a.

Explains the basic principles of the gas turbine engine, variations in the design of turbines currently in use, and the applications of the gas turbine in the operation of pumps, boats, trucks, and helicopters.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 53-153.

**Marine hymn.**

MP, USOWI, 1943. 3 min, sd, b&w. The U. S. Marine Corps song sung off-screen against appropriate scenes of marines in action. Buy from UWF. LC card FiE 52-745.



**Marine installations.**

FS, USCG, 1943. 63 fr, b&w. Order no. SCG 176-b.

Explains the principles of operation of the reciprocating steam engine, and demonstrates the construction and operation of multiple-expansion engines and double-acting reciprocating pumps.

Buy from UWF. LC card FiE 52-807.

**Marine machinery installation series.**

See Shipbuilding skills series.  
Marine machinery installation.

**Marine reservists at summer camp.**

MP, USMC, 1953. 15 min, sd, b&w. Order no. MH 7493.

Explains and illustrates the type of training received by members of the U. S. Marine Corps Reserve at summer camp.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FiE 53-472.

**Marketing feeds through dairy cows.**

FS, USDA, 1935. 31 fr, b&w. Order no. 379. With lecture notes. Shows various types of dairy cows, methods of determining their value, and different kinds of dairy feeds.

Withdrawn from active circulation in 1952. LC card FiE 52-2888.

**The marketing of eggs in the United States**

FS, USDA, 1938. 53 fr, b&w. Order no. 271. With lecture notes. Shows how eggs are weighed, graded, packed, stored, and shipped to market; and explains the four principal grades of eggs.

Withdrawn from active circulation in 1952. LC card FiE 52-2886.

**Marquette governor series.**

See Diesel engine governors series. Marquette governor.

**Marshall day at VMI, 1951.**

MP, USA, 1951. 10 min, sd, b&w. Order no. MF 7865.

Activities at Virginia Military Institute, Lexington, Va., on George C. Marshall Day, May 15, 1951, including presentation of Virginia's Distinguished Service Medal to General Marshall.

Borrow from USA. Buy from UWF. LC card FiE 52-2065.

**Marshall, Gilbert, and Ellice Islands.**

FS, USN, 1943. 67 fr, color with disc: 16 in, 33 1/3 rpm, 13 min. (Theatres of war series. Pacific area) Order no. SN 1538-d.

Traces the history of each island group; and explains the prevailing wind and ocean currents, available native food, and characteristics of the Polynesian and Melanesian inhabitants.

Buy from UWF. LC card FiE 52-1751.

**Mas leche.**

MP, USHAA, 1947. 10 min, sd, color. Spanish version of motion picture with title, Better farming; more milk.

Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.

Buy from USHAA. Cleared for TV. LC card FiE 52-567.

**Materials handling equipment operation: Gantry truck and warehouse cranes.**

MP, USN, 1953. 21 min, sd, b&w. Order no. MN 7285-b.

Shows the uses of Gantry truck and warehouse cranes, their operation, and safety precautions.

Buy from UWF. LC card FiE 55-206.

**Materials handling methods.**

MP, USA, 1949. 22 min, sd, b&w. Order no. TF 10-1530.

Shows method of handling materials in large warehouses and of loading and unloading bulky equipment.



Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1555.

**Matrix.**

MP, USN, 1948. 6 min, sd, color. (Operative dentistry series, no. 3) Order no. MN 5369-c.

Low fusing impression compounds demonstrated as matrix reinforcement; tailored matrix applied to tooth; some reasons for failure of amalgam due to matrix application, and advantages of a reinforced matrix. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1382.

**Measurement of water.**

MP, USBR, 1943. 30 min, sd, color.

Explains the reasons why water should be measured; describes the meaning and calculation of cubic feet per second and acre feet; and shows methods of installing measuring devices.

Borrow from USBR. LC card FiE 54-111.

**Measurement with light waves.**

MP, USOE, 1944. 15 min, sd, b&w. (Engineering series) Order no. OE 174. With instructor's manual.

Principles of measurement with light waves; nature of light waves; cause of interference bands and use of these bands in ultra-precision measurement. Procedures used in gage block inspection.

Buy from UWF. LC card FiE 52-264.

**Measurement with light waves.**

FS, USOE, 1944. 50 fr, b&w. (Engineering series) Order no. OE 174-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2738.

**Measuring and leveling.**

FS, USA, 1949. 58 fr, b&w. (Surveying series) Order no. FS5-76. Explains how to make horizontal measurements with tape or chain,

and vertical measurements with the level, differential and profile leveling, and the techniques of using a level.

Borrow from USA. Buy from UWF. LC card FiE 52-2948.

**Measuring home management.**

FS, USDA, 1950. 50 double fr, color. Order no. C-12.

Shows the importance of proper home management and the establishment, through research, of a standard by which the managerial ability of a homemaker can be measured.

Buy from Photo Lab. LC card FiE 53-855.

**Measuring pipe, tubing, and fittings.**

MP, USOE, 1944. 15 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 1) Order no. OE 105. With instructor's manual.

How to identify types of pipe, tubing, and fittings; use basic measuring tools; measure pipe for offsets; and make allowances for fittings and offsets in measuring pipe.

Buy from UWF. LC card FiE 52-204.

**Measuring pipe, tubing, and fittings.**

FS, USOE, 1944. 48 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 1) Order no. OE 105-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2685.

**Meat cutting tools and equipment.**

MP, USA, 1943. 20 min, sd, b&w. (The Army cook series, no. 1) Order no. TF 10-1133.

Gives instructions for handling various kitchen knives and saws, safety precautions to be observed in using and sharpening cutting tools.

Borrow from USA. Buy from UWF. LC card FiE 52-1544.

**Meats with approval.**

MP, USDA, 1949. 16 min, sd, b&w. Revision of a 1946 film with the same title.



Reviews the history and explains the purposes of Federal meat inspection; shows the process of inspection in stockyards, slaughterhouses, and canneries; and explains the values of such inspection to the consumers of meat.

Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FiE 52-378.

**The mechanic.**

MP, USOIAA, 1946. 14 min, sd, b&w. (Ohio town series)

Work and life of a master mechanic in an Ohio town--his job in the factory, activities around home, a family trip to the country on Sunday.

Buy from UWF. LC card FiE 52-717.

**Mechanical packing aboard ship.**

MP, USN, 1945. 30 min, sd, b&w. Order no. MN 2505.

Demonstrates how to pack a spiral wound gasket and a steam reciprocating pump rod, repack a centrifugal part, and replace packing around a condenser tube.

Buy from UWF. LC card FiE 52-1081.

**Mechanical refrigeration: Control mechanisms, freon systems:**

FS, USN, 1944. 80 fr, b&w with disc: 16 in, 33 1/3 rpm, 19 min. Order no. SN 2246-b.

How control mechanisms function conjunctly in the system--thermal expansion valve, solenoid stop valves, relief valve, water-pressure failure switch, and auxiliary mechanisms.

Buy from UWF. LC card FiE 52-1776.

**Mechanical refrigeration: How it works.**

MP, USN, 1944. 22 min, sd, b&w. Order no. MN 2246-a.

Explains the function, theory, and operation of a refrigeration system.

Buy from UWF. LC card FiE 52-1177.

**Mechanical refrigeration: Operating practices, freon systems.**

FS, USN, 1944. 148 fr, b&w with disc: 16 in, 33 1/3 rpm, 26 min. Order no. SN 2246-c.

How to start and stop the compressor; pump down the system; defrost; add and remove oil in the compressor; and charge and remove freon.

Buy from UWF. LC card FiE 52-1777.

**Mechanical refrigeration: Trouble shooting, freon systems.**

FS, USN, 1944. 91 fr, b&w with disc: 16 in, 33 1/3 rpm, 18 min. Order no. SN 2246-d.

Shows trouble shooting techniques; how to locate leaks; correct deficiencies in the compressor; repair and recharge the system; and detect short cycling and liquid leakage.

Buy from UWF. LC card FiE 52-1778.

**The mechanism of cell division.**

MP, USA, 1946. 20 min, sd, b&w. Order no. PMF 5036.

Shows nuclear and cytoplasmic details found during division and multiplication in grasshopper sperm cells. For professional personnel.

Borrow from USAFIP. LC card FiE 53-74.

**Medical and physical.**

MP, USN, 1944. 25 min, sd, color. (Deep sea diving series) Order no. MN 105-a.

History of the diving suit; definition of terms, function of recompression chamber; effects of diving on respiratory system; cause of bends; saturation tests for nitrogen absorption.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1057.

**Medical aspects of nuclear radiation.**

MP, USA, 1952. 20 min, sd, color. Order no. MF 7897.

Explains effects of radiation upon the human body, internal and external radiation hazards, and the relative gravity of the hazards



of nuclear radiation, blast, and heat.

Borrow from USA, USAF or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 52-2069.

**Medical certification of the causes of death.**

FS, USPHS, 1951. 59 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min.

Explains the importance of accurate cause-of-death certification, and the considerations which govern the selection and ranking of causes entered on death certificates.

Borrow from USPHS. Buy from UWF. LC card FiE 53-878.

**The medical effects of the atomic bomb. Part 1: Physics, physical destruction, casualty effects.**

MP, USA, 1950. 32 min, sd, color. Order no. PMF 5058.

Gives an explanation of nuclear physics, fission and general reaction, thermal energy and mechanical force, nuclear radiation and ionizing effects; and portrays the physical destruction and casualty effects of atomic bombing. Borrow from USA, USAF or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 52-1730.

**The medical effects of the atomic bomb. Part 2: Pathology and the clinical problem.**

MP, USA, 1950. 37 min, sd, color. Order no. PMF 5148.

Explains the thermal, traumatic, and radiation effects of atomic bombing; clinical observations; medical diagnosis and prognosis; and includes pathological material for illustrative purposes. For medical personnel only.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1734.

**The medical effects of the atomic bomb. Part 3: Medical services in atomic disaster.**

MP, USA, 1950. 28 min, sd, color. Order no. PMF 5149.

Shows how medical personnel may alleviate the disaster of

atomic bombing; explains why a bombed city would depend on organized assistance from the surrounding area; and demonstrates necessary preparatory measures.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1735.

**The medical examination. Part 1: Importance.**

MP, USA, 1949. 19 min, sd, b&w. Order no. TF 8-1536.

Explains the importance of the medical examination, the attitude of the examining doctor, and the relationships existing between doctor, patient, and administrator.

Borrow from USAFIP. LC card FiE 54-76.

**The medical examination. Part 2: Medical history.**

MP, USA, 1950. 17 min, sd, b&w. Order no. TF 8-1537.

Explains the importance of knowing the medical past of the patient prior to medical examination. Shows how to ascertain and record the case history, and evaluates the patient's physical handicaps in relation to his occupational duties.

Borrow from USAFIP. LC card FiE 54-77.

**The medical examination. Part 3: Examination.**

MP, USA, 1950. 19 min, sd, b&w. Order no. TF 8-1538.

Depicts the importance of the medical examination in total; explains the role each specialist plays in giving an overall medical picture of each patient; describes methods of making the examination.

Borrow from USAFIP. LC card FiE 54-78.

**Medical laboratory technique series.**

**Hematological technique: Collecting blood samples**

**Hematological technique for charging the hemocytometer**

**Histopathological technique: Processing a gross specimen**



Serological technique: Venipuncture

**Medical planning for a task force operation.**

MP, USA, 1952. 32 min, sd, b&w.  
Order no. TF 8-1761.

Demonstrates long-term medical planning required by a joint Army-Navy-Air Force operation, and explains the responsibility of the task force surgeon in coordinating each phase of medical planning.

Borrow from USA or USAFIP.  
Cleared for TV. LC card FiE 54-85.

**Medical service in the invasion of Normandy.**

MP, USA, 1944. 15 min, sd, b&w.  
Order no. FB 146.

The story of medical care given by doctors, enlisted men, and nurses from D-Day through the first few weeks following.

Borrow from USAFIP. LC card FiE 54-24.

**Medical service in the jungle.**

MP, USA, 1944. 20 min, sd, b&w.  
Order no. FB 147.

Depicts the difficulties encountered in jungle medical service, and shows how combat medical troops meet the problems.

Borrow from USAFIP. LC card FiE 54-25.

**Medical service of the airborne division to conserve the fighting strength.**

MP, USA, 1952. 28 min, sd, b&w.  
Order no. TF 8-1765.

Explains the organization, planning, training, and operation of medical units attached to an airborne division engaged in a specific tactical situation.

Borrow from USA or USAFIP.  
Buy from UWF. LC card FiE 53-493.

**The medical service of the Finnish armed forces in the winter; utilization of paper in the care of casualties.**

MP, USA, 1948. 33 min, sd, b&w.  
Order no. PMF 5106.

Shows first aid treatment on the winter battlefield; the chain of evacuation from front to field medical service tent and field hospital; and the use of paper, blankets, gabs, hoods, and wrappings to protect patients from cold. German film with English translation.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FiE 52-1732.

**Medical service of the infantry division to conserve the fighting strength.**

MP, USA, 1952. 25 min, sd, b&w.  
Order no. TF 8-1763.

Depicts the organization and functioning of the medical service of an infantry division in a bivouac area and later in a combat area situation, with particular emphasis on the conservation of fighting strength.

Borrow from USA or USAFIP.  
LC card FiE 54-86.

**Medical supply--Armed Forces.**

MP, USA, 1950. 24 min, sd, b&w.  
Order no. TF 8-1639.

Shows various phases in the supply of medical equipment and material, including the use and consumption of supplies in hospital and other medical units. Explains methods, procedures, and logistical control for distribution and supply.

Borrow from USA or USAFIP.  
Cleared for TV. LC card FiE 54-82.

**Medical support in ship to shore operations.**

MP, USN, 1944. 30 min., sd., b&w. (Amphibious warfare series)  
Order no. MN 4326.

Explains the medical service required in each phase of amphibious assault. For medical personnel.

Borrow from USN-BuMed. LC card FiE 54-114.

**Medicine hits the beach.**

MP, USN, 1944. 21 min, sd, b&w. Order no. MN 3732.



Shows the training of medical personnel in caring for casualties during amphibious landing and under assault. Covers practice landings, camouflage, strenuous physical training, emergency treatments, stretcher treatments, use of new medical equipment, field sanitation, and selection of sites for dressing stations.

Borrow from USN-BuMed. LC card F'E 54-113.

**Medicine in action series, nos. 1-11**

Pacific enemy, malaria

Typhus in Naples

Breakbone fever, "dengue"

Soft tissue wounds

DDT

Trench foot

Evacuation of casualties at Saipan

Head injury, report of a battle casualty

Multiple wounds, report of a battle casualty

Naval epidemiology

Cholera can be conquered

**Meet McGonegal.**

MP, USA, 1944. 12 min, sd, b&w. Order no. MF 956.

Presents the story of Charles McGonegal, an amputee who became a successful business executive, to show how well a man with two artificial arms can get along.

Borrow from USAFIP. LC card FIE 54-33.

**Meeting at night.**

MP, USN, 1943. 20 min, sd, color (Rules of the nautical road series) Order no. MN 202-m.

Shows five basic meeting situations and the proper night whistle signals on the ocean, in inland waters, and in narrow channels; explains the causes of head-on collisions; and shows emergency action signals.

Buy from UWF. LC card FIE 52-943.

**Meeting steam vessels.**

MP, USN, 1943. 18 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-k.

Gives examples of steam vessels meeting on the ocean and in inland waters; demonstrates whistle signals for various situations; and shows how to figure the degree of a vessel's turn at various distances.

Buy from UWF. LC card FIE 52-941.

**Mejores herramientas.**

MP, USHIAA, 1947. 7 min, sd, color. Spanish version of motion picture with title, From small beginnings.

Stresses the importance of using the right farm tool for each job; and compares two farmers and the results of their correct and incorrect use of their tools.

Buy from USHIAA. Cleared for TV. LC card FIE 52-502.

**Melanesia.**

FS, USN, 1943. 81 fr, color with disc: 16 in, 33 1/3-rpm, 19 min. (Theatres of war series. Pacific area) Order no. SN 1538-a.

Shows the terrain and natives of New Caledonia, New Hebrides, Solomon Island, and the Bismarck Archipelago; and explains the strategic importance of Melanesia in World War II.

Buy from UWF. LC card FIE 52-1750.

**Melting and refining of stainless steel.**

MP, USBM, 1951. 23 min, sd, color. Order no. 240.

Shows the operation of a 50-ton electric furnace from charging the furnace to pouring the melt into ingots, and closes with a list of articles made of stainless steel.

Borrow from USBM. Cleared for TV. LC card FIE 52-668.

**Memorial day.**

MP, USN, 1952. 21 min, sd, b&w. Order no. MN 7372.

Tells the story of a small New England town's observance of Memorial Day with special emphasis on the part played in it by a young sailor who has just



returned from active duty in Korea.

Borrow from USN. Cleared for TV. LC card FIE 52-1286.

**Memphis Belle.**

MP, USAF, 1944. 42 min, sd, color. Order no. SFP 114.

Portrays a bombing mission over Germany during World War II, including preparations for the raid, the take-off from England, the flight, bombing the submarine base at Wilhelmshaven, and the return to base.

Borrow from USA or USAF. LC card FIE 54-318.

**Men and machines.**

MP, USECA, 1950. 15 min, sd, b&w.

Discusses the relationship between individual craftsmanship and mass production methods and explains the necessity in Europe for using mass production methods when quantity and low costs are the prime considerations, and skilled craftsmen when quality is the determining factor. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-577.

**Men and the sea**

MP, USOWI, 1942. 10 min, sd, b&w.

How U. S. merchant seamen were trained in seamanship, signaling, gunnery, radio operation, etc., during World War II.

Buy from UWF. LC card FIE 52-766.

**Men who fish.**

MP, USA-CAD, 1950. 30 min, sd, b&w.

Shows how a fishing cooperative association in Japan established since World War II, is gradually improving living conditions of the fishermen of Japan. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. LC card FIE 52-2098.

**Men who grow cotton.**

MP, USDA, 1947. 21 min, sd, color.

Traces the historical development and shows the present status (1947) of cotton, its importance to the South and to the nation, and its future problems and possibilities.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 52-400.

**Men, women, and children.**

MP, USDA, 1954. 28 min, sd, color or b&w.

Portrays a group of young school boys (Smokey Bear's junior forest rangers) determined to do something about the loss of a school forest through fire. Shows how everyday unsafe habits of people can cause forest fires through negligence and thoughtlessness, how they "didn't mean to start a forest fire." Safe habits in the forest are emphasized.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 54-383.

**Mercados asselados.**

MP, USIIAA, 1947. 9 min, sd, color. Portuguese version of motion picture with title, The sanitary market.

Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

Buy from USIIAA. Cleared for TV. LC card FIE 52-555.

**Mercados higienicos.**

MP, USIIAA, 1947. 9 min, sd, color. Spanish version of motion picture with title, The sanitary market.

Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

Buy from USIIAA. Cleared for TV. LC card FIE 52-556.

**Merchandising fresh fruits and vegetables.**

MP, USDA, 1951. 18 min, sd, color.



Shows practices in the retail merchandising of fresh fruits and vegetables, and highlights some of the merchandising principles recommended in the training classes for retailers sponsored by the U. S. Dept. of Agriculture under the Research and Marketing Act.

Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FiE. 52-2158.

**Mess improvement. Part 1: Promoting good food habits.**

FS, USA, 1943. 44 fr, color, with 2 discs: 12 in, 78 rpp, 17 min. Order no. SFS 8-52.

Explains procedures of planning, storing, preparing, cooking, and serving food; and emphasizes the importance of promoting good food habits.

Borrow from USA or USAFIP.  
Buy from UWF. LC card FiE 52-2970.

**Mess improvement. Part 2: Food for health.**

FS, USA, 1943. 48 fr, color, with 2 discs: 12 in, 78 rpm, 19 min. Order no. SFS 8-53.

Covers army food supplies, food waste, basic food essentials, and their relationship to mess preparation and the food habits of soldiers.

Borrow from USA or USAFIP.  
Buy from UWF. LC card FiE 52-2971.

**Mess management.**

MP, USA, 1950. 14 min, sd, b&w. Order no. TF 10-1644.

Explains the duties of army mess personnel, including sanitation, care of equipment, correct storage methods, following the menu, preparation of food, serving methods, and use of leftovers.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2082.

**Mess sanitation, part 1.**

MP, USA, 1954. 4 min, sd, b&w. Order no. MF 8-8237.

Explains the use of proper garbage disposal facilities to keep

away harmful bugs carrying the dysentery germ, how to dig a hole to bury refuse, and the disposal of empty ration cans to get rid of flies.

Buy from UWF. LC card FiE 55-9.

**Mess sanitation, part 2.**

MP, USA, 1954. 4 min, sd, b&w. Order no. MF 8-8238.

Stresses the importance of cleanliness at all times, especially prior to eating, and of the disposal of leftovers in order to avoid breeding and feeding flies and to prevent dysentery.

Buy from UWF. LC card FiE 55-10.

**Mess sanitation, part 3.**

MP, USA, 1954. 5 min, sd, b&w. Order no. MF 8-8239.

Emphasizes the need for thorough rinsing of mess kits before and after meals and for taking necessary precautions to prevent dysentery.

Buy from UWF. LC card FiE 55-11.

**Message to women.**

MP, USPHS, 1945. 20 min, sd, color.

Explains facts about gonorrhoea and syphilis; illustrates by animated charts the effects of these diseases upon women; emphasizes the importance of knowing about these diseases.

Borrow from USPHS. LC card FiE 54-18

**The metalsmith's tool kit.**

FS, USN, 1942. 57 fr, b&w. Order no. SN 926.

Shows the various kinds of tools used by the aviation metalsmith.  
Buy from UWF. LC card FiE 52-1880.

**A method of mixing silicate cement.**

MP, USNBS, 1953. 8 min, sd, color.

Demonstrates a new method of mixing silicate cements in a closed container whereby the maximum amount of powder is



incorporated into a given quantity of liquid independent of atmospheric conditions. Actual restorations in the mouth show how these laboratory findings may be used in dental practice. For dental personnel.

Borrow and buy from USNBS. LC card FIE 54-350.

**Method of repair of posterior tibial nerve.**

MP, USA, 1949. 10 min, sd, color. Order no. PMF 5132.

Shows how to repair long defects in the peripheral nerve by bridging a large gap in the tibial nerve through wide dissection and flexion of the knee joint. For medical personnel.

Borrow from USAFIP. LC card FIE 53-32.

**Methods and materials employed for model construction at the USNACA Langley Laboratory.**

MP, USNACA, 1953. 25 min, sd, color. Order no. TF 27.

Shows the materials and equipment, the procedures, and the methods used by the NACA, at one of its laboratories, in constructing aerodynamic research models. Also shows the construction of several models. For use by technical personnel and those concerned with the construction of research models.

Borrow from USNACA. LC card FIE 54-203.

**Methods of lubrication.**

MP, USA, 1945. 25 min, sd, b&w. (Lubrication of military vehicles series, no. 2) Order no. TF 9-1417.

Shows lubricating equipment used for military vehicles, types of lubrication, and how to lubricate from chart instructions.

Borrow from USA. Buy from UWF. LC card FIE 52-1533.

**Methods of operating valves.**

FS, USN, 1945. 50 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (Hydraulic valves series) Order no. SN 1809-e.

Uses schematics and straight photography to explain manual, mechanical, electrical, and hydraulic valves, and combinations of these types.

Borrow from USCAA film libraries. LC card FIE 54-784.

**Methods of processing plastics materials.**

MP, USOE, 1945. 25 min, sd, b&w. (Plastics series, no. 2) Order no. OE 467. With instructor's manual.

Fundamentals of the compression, transfer, extrusion, and injection molding methods; finishing of molded parts; fundamentals of lamination; and machining of laminated and other plastics products.

Buy from UWF. LC card FIE 52-294.

**Methods of processing plastics materials.**

FS, USOE, 1945. 68 fr, b&w. (Plastics series, no. 2) Order no. OE 467-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2752.

**Methods of starting the engine.**

FS, USN, 1942. 45 fr, b&w. Order no. SN 123.

Shows how an engine may be started by the following methods: by pulling the propeller, with a shock cord, direct hand crank, combustion starter, the inertia starter (hand and electric operated), and direct electric starter.

Borrow from USCAA film libraries. LC card FIE 54-785.

**Mexican fiestas series, nos. 1-4**

Fire and water

The bounteous earth

Fiestas of the hills

Sky dancers of Papantla

**Mexico builds a democracy.**

MP, USOIAA, 1944. 20 min, sd, color.

Shows rural education in Mexico, including the program of the government boarding schools for



teachers and the work of an itinerant instructor.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-715.

**Mexico city.**

MP, USOIAA, 1945. 11 min, sd, color.

Tourist view of the city.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE 52-737.

**Microdissection applied to mosquito identification.**

FS, USPHS, 1953. 44 fr, b&w with disc: 16 in, 33 1/3 rpm, 8 min. Order no. F1.

Explains the values, for identification purposes, of properly dissected male mosquito terminals, preparation of the apparatus for microdissection, the microdissection, mounting parts of the terminalia, and examining them microscopically.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-711.

**Microfilariae of Wuchereria bancrofti.**

MP, USPHS, 1947. 4 min, si, color. (Parasitology series) Order no. 4-058.

Cinemicrography of activity of diurnally periodic microfilariae of Wuchereria bancrofti from the blood of a soldier infected in the Society Islands.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2238.

**The micrometer.**

MP, USOE, 1941. 15 min, sd, b&w. (Machine shop work series. Precision measurement no. 2) Order no. OE 2. With instructor's manual.

Various types of micrometers; how to use a micrometer, read the barrel and thimble scales, check the accuracy of readings, and take care of the instrument. Buy from UWF. LC card FIE 51-3.

**The micrometer.**

FS, USOE, 1943. 38 fr, b&w. (Machine shop work series. Pre-

cision measurement, no. 2) Order no. OE 2-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-4.

**Microorganisms of gas gangrene.**  
MP, USPHS, 1954. 9 min, si, color. Order no. M 154.

Shows species of Clostridium causing gas gangrene, the morphological characteristics of these bacteria, and studies of the bacteria in various cultures. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-115.

**Microscopic study and isolation of C. diphtheriae.**

MP, USPHS, 1950. 13 min, sd, b&w. (Laboratory diagnosis of diphtheria series, no. 1) Order no. 4-088. With utilization guide. Presents procedures for isolating pure cultures of Corynebacterium diphtheriae from throat and nasal swabs of a patient with suspected diphtheria. Includes photomicrographs of organisms. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2245.

**Microwave oscillators.**

MP, USA, 1949. 18 min, sd, b&w. Order no. TF 11-1567.

Explains the magnetron and klystron and the basic theory of operation of each.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1567.

**Milho, o grão que foi o alicerce de um hemisfério.**

MP, USOIAA, 1943. 11 min, sd, color. Portuguese version of motion picture with title, The grain that built a hemisphere.

Traces the history of corn and its importance in the development of civilization; and describes its uses today.

Buy from USHAA. Cleared for TV. LC card FIE 52-520.



**The military funeral.**

MP, USA, 1952. 48 min, sd, b&w.  
Order no. TF 16-1753.

Gives instructions for officers-in-charge and chaplains in correct military funeral procedure, including listing necessary personnel to participate in the ceremony, instructing key personnel, interviewing next of kin, chapel service, procession to grave, graveside service, and departure from grave.

Buy from UWF. LC card FIE 55-23.

**Military justice.**

MP, USAF, 1954. 94 min, sd, b&w. Order no. TF 1-4890.

Explains the procedures of general court martial under the Uniform Code of Military Justice through a dramatized story of a young airman accused of stealing money from a barracks-mate, the pre-trial investigation, the trial, and review by the Judge Advocate and the Court of Military Appeals.

Borrow from USAF. Cleared for TV. LC card FIE 55-117.

**Military oceanography: Bathythermograph observations.**

MP, USN, 1950. 16 min, sd, color. Order no. MN 6832-a.

Explains the features and operation of a bathythermograph; and demonstrates its lowering and recovery, removal of the slide, and proper care of the bathythermograph.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1280.

**Military oceanography: Occupying an oceanographic station.**

MP, USN, 1950. 29 min, sd, color. Order no. MN 6832-b.

Shows the principal design features of Nansen bottles; drawing water samples; reading and recording temperatures at depth of sampling; analyzing samples for oxygen and chloride content; and recording data.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1281.

**Military pipeline operations series, nos. 1-3**

Laying pipelines

Installation of pumping stations

Operation and maintenance of pipeline systems

**Military pipeline system: CBI theater.**

MP, USA, 1948. 24 min, sd, b&w. (Historical reports series) Order no. HR-E-7.

The story of a pipeline built by American troops in difficult terrain under hazardous conditions. Borrow from USA. Buy from UWF. LC card FIE 52-1692.

**The military police story.**

MP, USA, 1954. 33 min, sd, b&w. Order no. FB 287.

Training duties, and responsibilities of the Military Police Corps. Shows MP activities in Germany and Korea today.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-238.

**Military police support in amphibious operations.**

MP, USA, 1953. 14 min, sd, b&w. Order no. TF 19-1806.

Explains the duties and functions of the U.S. Military Police in a combined amphibious assault.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-469.

**Military police town patrolling.**

MP, USA, 1948. 25 min, sd, b&w. Order no. TF 19-1483.

Shows how problems confronting urban military police are dealt with; illustrates foot and motor coordination and operation of patrols.

Buy from UWF. LC card FIE 52-1572.

**Military progress.**

MP, US Defense, 1949. 14 min, sd, b&w. Order no. AFSR 102.

Shows how a protective force with new weapons and equipment is built; activities in the National Guard, Organized Reserves, and



**U.M.T. (universal military training).**  
Buy from UWF. LC card FIE 52-1405.

**Military railway service.**  
MP, USA, 1948. 30 min, sd, b&w.  
Order no. TF 55-1491.  
Operations of military railway service; comparison between civilian and military railway operations; procedures in railway division; duties of all personnel. Orientation film.  
Borrow from USA. Buy from UWF. LC card FIE 52-1590.

**Military roads and runways series, nos. 1, 2, and 4**  
Bases and untreated surfaces  
Clearing, grubbing, and rock work  
Soil, cement surfaces

**Military roads series, nos. 1-3 and 5-6**  
Road expedients  
Drainage  
Road repair and maintenance  
Subgrade preparation  
Gravel and rock surfaces

**Military rock climbing: Movement of combat units.**  
MP, USA, 1948. 31 min, sd, b&w.  
Order no. TF 7-1480.  
Shows how men with certain types of equipment can move and operate in mountain areas; explains the use of field expedients, handling organizational equipment, transporting sick and injured, and precautions for individual climbers.  
Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1513.

**Military rock climbing: Technique of climbing.**  
MP, USA, 1948. 32 min, sd, b&w.  
Order no. TF 7-1475.  
Shows the organization of two and three man "climbing teams," equipment and its use, climbing technique for various types of formations, and types of holds and knots.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1512.

**Military sanitation: Disposal of human waste.**  
MP, USA, 1943. 18 min, sd, b&w.  
Order no. TF 8-1179.  
Illustrates how and where to build various types of latrines; and explains how to safeguard the water supply.  
Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1515.

**The Military Sea Transportation Service, introduction.**  
MP, USN, 1953. 19 min, sd, b&w.  
Order no. MN 7832-a.  
Explains the functions, organization, and operations of the Military Sea Transportation Service of the U.S. Navy. Includes scenes of embarkation and debarkation of troops and dependents, living conditions aboard ship, and the transportation of materials and equipment.  
Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-101.

**Military stevedoring series, nos. 1-8**  
Loading cargo ships  
Cargo handling gear, basic operation  
Winches and booms  
Drafts and slings  
Straps and transportation bridles  
Vehicle loading and stowing  
Heavy lifts  
Expedients

**Military surgeon in amphibious assault.**  
MP, USN, 1952. 15 min, sd, color.  
Order no. MN 6910.  
Illustrates to the medical officer the conditions under which he will perform his duties in amphibious assault by presenting a view of the environment, facilities, and casualties he can expect.  
Borrow from USN-BuMed. LC card FIE 54-116.



**Military training.**

MP, USA, 1942. 58 min, sd, b&w.  
Order no. TF 7-295.

Explains the basic requisites, methods, and procedures of military training; approved Army doctrine; and the utilization of texts and training aid equipment. Borrow from USA. Buy from UWF. LC card FiE 52-1505.

**Military use of the helicopter.**

MP, US Defense, 1952. 14 min, sd, b&w. Order no. AFSR 139.

Shows the many military uses of the helicopter--air rescue operations, liaison observation and reconnaissance, and landing men and supplies behind enemy lines.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-2045.

**Milk and public health.**

MP, USPHS, 1951. 12 min, sd, b&w. Order no. M7.

Points out the dangers of haphazard milk production, the resultant public health problem, and the need for regulatory legislation; and reviews through the reminiscences of an old-time farmer, the steps taken to insure healthy cows, sanitary equipment and supplies, and other hygienic methods throughout the production and processing of milk.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-208.

**Milk processing.**

MP, USPHS, 1946. 24 min, sd, b&w. (Small milk plant operation series)

Shows the handling and pasteurization of milk by the holding process, the construction and operation of a vat-type pasteurizer, and the importance of safe milk. For milk handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FiE 53-174.

**Milk town.**

MP, USECA, 1950. 10 min, sd, b&w.

Shows how Naoussa, a Greek mill town, damaged and looted during the war, was re-established as a textile center through the imports of American machinery made available under the Marshall plan. Produced for European use. Borrow from EFLA. Cleared for TV. LC card FiE 53-582.

**Milling a circular T-slot.**

MP, USOE, 1943. 22 min, sd, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 5) Order no. OE 76. With instructor's manual.

How to mill a circular T-slot in solid metal; use a rotary table for continuous circular milling; use a two-lip end mill, end mill; and T-slot cutter; and use a dial indicator with a test bar in aligning a table.

Buy from UWF. LC card FiE 51-565.

**Milling a circular T-slot.**

FS, USOE, 1943. 27 fr, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 5) Order no. OE 76-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-71.

**Milling a foundation.**

MP, USN, 1944. 23 min, sd, b&w. (Shipbuilding skills series. Outside machinist) Order no. MN 2348-c.

Demonstrates the set-up and operation of a portable milling machine for milling a foundation. Buy from UWF. LC card FiE 52-1214.

**Milling a foundation.**

FS, USN, 1944. 62 fr, b&w. (Shipbuilding skills series. Outside machinist) Order no. SN 2348-o. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1802.

**Milling a helical cutter.**

MP, USOE, 1945. 18 min, sd, b&w. (Machine shop work series. Op-



erations on the milling machine, no. 8) Order no. OE 210. With instructor's manual.

How to mount arbor, cutter, and arbor support; mount workpiece between centers; set dividing head for specified number of divisions; position workpiece for first cut; and rough- and finish-mill the workpiece.

Buy from UWF. LC card FiE 51-599.

#### **Milling a helical cutter.**

FS, USOE, 1945. 54 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 8) Order no. OE 210-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-106.

#### **Milling a helical groove.**

MP, USOE, 1943. 28 min, sd, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 4) Order no. OE 75. With instructor's manual.

How to mill a helical groove in a cylindrical shaft; select and set the machine gears for milling a helical groove with any lead; and use the dividing head. Explains lead and backlash.

Buy from UWF. LC card FiE 51-566.

#### **Milling a helical groove.**

FS, USOE, 1943. 35 fr, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 4) Order no. OE 75-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-73.

#### **Milling a template.**

MP, USOE, 1945. 17 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 5) Order no. OE 207. With instructor's manual.

How to mount the end mill in the milling machine spindle; position the table and workpiece in relation to the cutter; rough- and fin-

ish-mill the piece; and check for finished dimensions.

Buy from UWF. LC card FiE 51-506.

#### **Milling a template.**

FS, USOE, 1945. 34 fr, b&w. (Machine shop work series. Operations on the milling machine, no. 5) Order no. OE 207-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-114.

#### **The milling machine.**

MP, USOE, 1944. 15 min, sd, b&w. (Machine shop work series. Basic machines) Order no. OE 69. With instructor's manual.

Functions, characteristics, and basic operations of the milling machine.

Buy from UWF. LC card FiE 51-571.

#### **The milling machine.**

FS, USOE, 1944. 41 fr, b&w. (Machine shop work series. Basic machines) Order no. OE 69-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-78.

#### **The milling machine.**

MP, USOE, 1941. 8 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. A) Order no. OE 11. With instructor's manual.

Types of jobs which can be done on the milling machine; how to mount the cutter on the arbor; adjust the overarm bracket; and set cutter speeds and table feeds.

Buy from UWF. LC card FiE 51-14.

#### **The milling machine.**

FS, USOE, 1943. 45 fr, b&w. (Machine shop work series. Operations on the milling machine, no. A) Order no. OE 11-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-13.



**The milling machine.**

FS, USAF, 1942. 58 fr, b&w. (Machine tools series) Order no. FS 1-5.

Explains the nomenclature, practical uses, and operation of the milling machine.

Buy from UWF. LC card FiE 52-1900.

**Mine fields. Section 1: Laying, marking, and recording of the 6-row mine belt. Section 2: Mine clearance.**

MP, USA, 1948. 29 min, sd, b&w. Order no. TF 5-1481.

Demonstrates how to determine the location of an antimechanized mine belt and lay, mark, and record the sixrow mine belt; and how specialized mine clearance units locate and remove mines formerly laid by U.S. engineers, enemy mines, and booby traps.

Borrow from USA. Buy from UWF. LC card FiE 52-1502.

**Minor injuries.**

FS, USN, 1942. 65 fr, b&w. with disc: 16 in, 33 1/3 rpm, 14 min. (First aid series) Order no. SN 219.

Shows first-aid treatment for strains, sprains, dislocations, bruises, frostbites, and foreign bodies in the eye, ear, nose, and throat.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FiE 52-1848.

**Minor repair of metal covered wings and control surfaces.**

MP, USAF, 1943. 30 min, sd, b&w. Order no. TF 1-816.

Shows how a patch is made in the field on a wing damaged by shell fire, the replacement of a stiffener, application of various types of rivets, and how a damaged rudder is repaired.

Borrow from USCAA film libraries. LC card FiE 53-447.

**Miracidia of Schistosoma japonicum.**

MP, USPHS, 1947. 4 min, st, color. (Parasitology series) Order no. 4-060.

Cinemicrography of miracidia of Schistosoma japonicum inside egg shell and free in fecal concentrate, showing absence of egg shell spine and activity of contained miracidia.

Borrow from USPHS-CDC. LC card FiE 52-2236.

**The miracle of Cassino.**

MP, USECA, 1950. 12 min, sd, b&w.

Shows how Cassino, an Italian town, razed to the ground during the war was rebuilt with the use of counterpart funds. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-556.

**Miracle of living.**

MP, USA, 1947. 40 min, sd, b&w. Order no. TF 8-1474.

A dramatized story illustrating some of the possible consequences of venereal disease.

Borrow from USA, USAFIP or USN. Buy from UWF. LC card FiE 52-1517.

**Miscellaneous agents.**

FS, USA, 1944. 28 fr, color. (Chemical warfare injuries series. Prophylaxis and therapy, no. 4) Order no. FS 8-68.

Presents typical injuries produced by chloracetophenone, arsine, and white phosphorus; and shows the progress of the lesions. For medical personnel.

Borrow from USAFIP. LC card FiE 53-817.

**Mission accomplished.**

MP, USOWI, 1943. 11 min, sd, b&w.

Photographic record of the first all-American raid over occupied Europe, showing Flying Fortresses attacking the railroad yards at Rouen and returning to their base in England.

Buy from UWF. LC card FiE 52-767.

**Mission of the Army.**

MP, USA, 1953. 22 min, sd, b&w. Order no. TF 100-1726.



**Dramatization of the functions of the various arms and services of the U.S. Army with emphasis upon combat activities.**

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-479.

**Missouri and its natural resources.**

MP, USBM, 1950. 33 min, sd, color. Order no. 237.

Describes the history, mineral resources, industry, agriculture, transportation facilities, cities, and recreational facilities of Missouri.

Borrow from USBM. Cleared for TV. LC card FiE 52-665.

**Mr. Stuart answers the question.**

MP, USDC-OSB, 1947. 34 min, sd, b&w.

Shows, by means of a dramatized story, how a businessman, the owner of a small retail department store, trains himself and his staff in modern selling methods.

Buy from UWF. LC card FiE 53-132.

**Mixing of DDT emulsions.**

FS, USPHS, 1945. 77 fr, b&w, with disc: 16 in, 33 1/3 rpm, 12 min. Order no. 5-012.

Explains the reasons for mixing DDT emulsions, and how to prepare a mixture of DDT, xylene, emulsifier, and water.

Borrow from USPHS-CDC. LC card FiE 53-893.

**Mobile laundry, two-trailer type.**

MP, USA, 1950. 11 min, sd, b&w. Order no. TF 10-1633.

Explains how to set up a mobile laundry unit.

Borrow from USA. Cleared for TV. LC card FiE 55-149.

**Mobile supply support.**

MP, USN, 1953. 23 min, sd, b&w. Order no. MN 7830.

Explains the economics of military supply operations and the efficiency obtained by the mobile logistic forces of the U.S. Navy.

Borrow from USN. Cleared for TV. LC card FiE 53-551.

**Model making.**

FS, USN, 1949. 57 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Dental prosthetic laboratory technique series) Order no. SN 5372-a.

Describes steps in making a stone model: taking impression of patient's indentulous ridges, heading and boxing the impression, mixing and pouring the stone, separating the stone model from the impression material, and trimming the model. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1807.

**Modern medicine men.**

MP, USBIA, 1950. 20 min, sd, color.

Explains the problems and rewards of the doctor in bringing medical science to Indians whose disease index is in excess of that of the general population.

Buy from USBIA. LC card FiE 52-786.

**Modern ordnance material: The M76 amphibious cargo carrier.**

MP, USA, 1954. 8 min, sd, b&w. Order no. FB 290.

Discusses and illustrates the construction, characteristics, and operation of the M76 amphibious cargo carrier.

Borrow from USA. LC card FiE 54-443.

**Modern ordnance material, wheeled vehicles.**

MP, USA, 1954. 12 min, sd, b&w. Order no. FB 288.

Explains the U.S. Army's use of wheeled vehicles to transport men and equipment, and illustrates some of the newer jeeps, trucks, and carriers.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-24.

**Modern weather: Theory and structure of storms: Development and characteristics of atmospheric waves.**

MP, USAF, 1940. 15 min, sd, b&w. Order no. TF 1-134.



Describes the restoration of equilibrium in the atmosphere by outbreaks and surges from the polar front, the development of warm and cold fronts and occluded fronts, and the progress of a typical atmospheric wave.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1417.

**Modern weather: Theory and structure of storms: Primary circulation.**

MP, USAF, 1940. 19 min, sd, b&w. Order no. TF 1-133.

Explains by animation and maps the principle of the air currents created by tropical and polar regions and the deflection of these winds in terms of the earth's turning on its axis. Discusses prevailing westerlies, trade winds, and polar fronts.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1416.

**Modern weather: Theory and structure of storms: Weather in various parts of an occluded wave.**

MP, USAF, 1943. 23 min, sd, b&w. Order no. TF 1-726.

Describes the characteristics of warm, cold, and occluded fronts; shows the types of clouds associated with each type of front; tells how an occluded front is produced; and explains how to fly through an occluded front.

Borrow from USCAA film libraries. LC card FiE 53-405.

**Molding a horizontal cored part.**

MP, USOE, 1945. 22 min. sd, b&w. (Foundry practice series. Floor molding, no. 4) Order no. OE 431. With instructor's manual.

Use of a horizontal core, a split pattern, chaplets, and chaplet supports; how to gate a mold for rapid pouring of a thin casting; and how to clean a casting.

Buy from UWF. LC card FiE 52-112.

**Molding a horizontal cored part.**  
FS, USOE, 1945. 37 fr, b&w. (Foundry practice series. Floor molding, no. 4) Order no. OE 431-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2569.

**Molding a valve body.**

MP, USOE, 1945. 26 min, sd, b&w. (Foundry practice series. Floor molding, no. 3) Order no. OE 430. With instructor's manual.

Use of a split pattern and multi-part dry sand core; how to gate a mold for rapid, uniform distribution of clean metal; and locate a core and seal the core prints.

Buy from UWF. LC card FiE 52-113.

**Molding a valve body.**

FS, USOE, 1945. 33 fr, b&w. (Foundry practice series. Floor molding, no. 3) Order no. OE 430-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2570.

**Molding on a jolt roll-over pattern draw machine.**

MP, USOE, 1945. 23 min, sd, b&w. (Foundry practice series. Machine molding) Order no. OE 434. With instructor's manual.

Principles of the jolt roll-over pattern draw machine; how to fill the drag and jolt it; draw the pattern; set the drag and cope pattern plates; fill the cope and jolt it; and finish and close the mold.

Buy from UWF. LC card FiE 52-116.

**Molding on a jolt roll-over pattern draw machine.**

FS, USOE, 1945. 47 fr, b&w. (Foundry practice series. Machine molding) Order no. OE 434-fs.

Supplements motion picture with the same title.



Buy from UWF. LC card FiE 52-2574.

**Molding on a jolt squeeze machine.**

MP, USOE, 1945. 10 min, sd, b&w. (Foundry practice series. Machine molding) Order no. OE 433. With instructor's manual.

Principles of the jolt squeeze molding machine; how to roll the mold; fill the cope and apply pressboard; squeeze the mold; and draw the pattern, finish, and close the mold.

Buy from UWF. LC card FiE 52-114.

**Molding on a jolt squeeze machine.**

FS, USOE, 1945. 49 fr, b&w. (Foundry practice series. Machine molding) Order no. OE 433-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2572.

**Molding part having a vertical core.**

MP, USOE, 1944. 19 min, sd, b&w. (Foundry practice series. Bench molding, no. 3) Order no. OE 425. With instructor's manual.

How to mold a gate and riser; make a pouring basin; vent a mold to permit the escape of core gases; and locate a vertical core in a mold.

Buy from UWF. LC card FiE 52-106.

**Molding part having a vertical core.**

FS, USOE, 1944. 38 fr, b&w. (Foundry practice series. Bench molding, no. 3) Order no. OE 425-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2564.

**Molding part with deep green sand core.**

MP, USOE, 1945. 25 min, sd, b&w. (Foundry practice series.

Floor molding, no. 2) Order no. OE 429. With instructor's manual. Why use a follow board with a thin, box-like pattern; how to reinforce a green sand core with nails; locate sprue and watch-up pins; use gagers; and ram and vent a green sand core.

Buy from UWF. LC card FiE 52-109.

**Molding part with deep green sand core.**

FS, USOE, 1945. 30 fr, b&w. (Foundry practice series. Floor molding, no. 2) Order no. OE 429-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2571.

**Molding with a gated pattern.**

MP, USOE, 1944. 11 min, sd, b&w. (Foundry practice series. Bench molding, no. 5) Order no. OE 427. With instructor's manual. What a gated pattern is and why it is used; how a match or follow board may simplify making a parting; how facing sand is prepared; and how and why some patterns are rapped through the cope.

Buy from UWF. LC card FiE 52-111.

**Molding with a gated pattern.**

FS, USOE, 1944. 30 fr, b&w. (Foundry practice series. Bench molding, no. 5) Order no. OE 427-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2568.

**Molding with a loose pattern.**

MP, USOE, 1944. 21 min, sd, b&w. (Foundry practice series. Bench molding, no. 1) Order no. OE 423. With instructor's manual. How molding sand is prepared; how to face a pattern; ram and vent a mold; roll a drag; cut a sprue, runner, riser, and gates; and swab, rap, and draw a pattern. Shows, by animation, what takes place inside a mold during pouring.



Buy from UWF. LC card FiE 52-108.

**Molding with a loose pattern.**  
FS, USOE, 1944. 37 fr, b&w.  
(Foundry practice series. Bench  
molding, no. 1) Order no. OE  
423-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FiE  
52-2566.

**Molding with a loose pattern  
(floor).**  
MP, USOE, 1945. 24 min, sd,  
b&w. (Foundry practice series.  
Floor molding, no. 1) Order no.  
OE 428. With instructor's man-  
ual.

Distinction between bench mold-  
ing and floor molding; how to  
face a deep pattern; ram a drag  
and walk it off; clamp a mold;  
locate sprues and risers; and tuck  
the crossbars of a large cope.

Buy from UWF. LC card FiE  
52-110.

**Molding with a loose pattern  
(floor).**

FS, USOE, 1945. 35 fr, b&w.  
(Foundry practice series. Floor  
molding, no. 1) Order no. OE  
428-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FiE  
52-2567.

**Molding with a split pattern.**  
MP, USOE, 1944. 19 min, sd,  
b&w. (Foundry practice series.  
Bench molding, no. 4) Order no.  
OE 426. With instructor's man-  
ual.

How split patterns aid in the more  
efficient molding of some cast-  
ings; how ramming affects the  
permeability of sand in a mold;  
how to reinforce a mold with  
nails; and how to patch a mold.

Buy from UWF. LC card FiE 52-  
105.

**Molding with a split pattern.**  
FS, USOE, 1944. 26 fr, b&w.  
(Foundry practice series. Bench

molding, no. 4) Order no. OE  
426-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FiE  
52-2563.

**Molding with a three part flask.**  
MP; USOE, 1945. 35 min, sd,  
b&w. (Foundry practice series.  
Floor molding, no. 5) Order no.  
OE 432. With instructor's man-  
ual.

Use of a deep follow board;  
techniques of facing, ramming,  
and venting a deep green sand  
core; how to use a cheek in a  
three-part flask; and the purpose  
and method of step-gating.

Buy from UWF. LC card FiE  
52-115.

**Molding with a three part flask.**  
FS, USOE, 1945. 33 fr, b&w.  
(Foundry practice series. Floor  
molding, no. 5) Order no. OE  
432-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FiE  
52-2573.

**Moles and melanoma.**  
MP, USN, 1945. 7 min, sd, color.  
Order no. MN 2713.

Shows by animation the structure  
and skin cells of benign and ma-  
lignant moles; points out how ac-  
tivation is started by mechanical  
irritation; that improper cauteri-  
zation is ineffective and that  
proper surgery is effective.

Borrow from USN-BuMed. Buy  
from UWF. LC card FiE 52-1093.

**Moluccas.**

FS, USN, 1944. 88 fr, color with  
disc: 16 in, 33 1/3 rpm, 17 min.  
(Theatres of war series. Pacific  
area; Netherlands East Indies)  
Order no. SN 1538-p.

Describes the terrain, winds, and  
population of the Moluccas; and  
explains how persons marooned  
on one of the islands can, with  
the aid of natives, escape to a  
friendly base.

Buy from UWF. LC card FiE  
52-1760.



**Montevideo family.**

MP, USOLAA, 1943. 16 min, sd, b&w.

Study of the daily life of a middle-class family in Montevideo, Uruguay.

Rent from USOLAA film libraries. Buy from UWF. LC card FIE 52-732.

**Monuments of ancient Mexico.**

MP, USOLAA, 1942. 35 min, sd, color.

Shows the monuments, pyramids, and other evidences of Mexico's ancient civilizations; explains these archeological discoveries; and reconstructs, through drawings, the ancient cities and villages.

Rent from some USOLAA film libraries. Buy from UWF. LC card FIE 52-727.

**More milk.**

MP, USDA, 1944. 11 min, sd, b&w.

Presents the need for increased milk production, especially from herds of a dozen cows or less, and emphasizes the importance of scientific care and feeding.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-463.

**More money from wool.**

MP, USBIA, 1949. 20 min, sd, color.

Shows how to hand shear and prepare wool for market under reservation conditions, and how to increase one's income from wool by improved handling methods.

Buy from USBIA. LC card FIE 52-788.

**Morning care.**

MP, USN, 1943. 7 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-b.

Shows how bedfast patients are roused and fed, and the ward put in order, and how "up" patients help corpsmen in setting up trays.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-957.

**Mosquito inspection and control.**

FS, USPHS, 1946. 83 fr, color. Order no. 5-076.

Consists of 81 photographs illustrating various aspects of mosquito inspection and control such as mosquito breeding areas, use of sprayers, drainage ditches, hydraulic dredging, etc. No captions.

Borrow from USPHS-CDC. LC card FIE 53-917.

**Mosquito problems in irrigated areas.**

FS, USPHS, 1953. 75 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. Order no. F 144.

Explains the mosquito problems attendant to irrigation projects and how an irrigation system should be designed and maintained in order to provide adequate drainage so that it does not become a mosquito breeding area.

Borrow from USPHS-CDC. LC card FIE 54-708.

**Mosquito proofing for malaria control.**

MP, USPHS, 1946. 10 min, sd, b&w. (Malaria control series) Order no. 4-026.1.

Shows some breeding places of the malaria-carrying mosquito, explains methods of mosquito-proofing a home, and enumerates the economic and health benefits of malaria control.

Borrow from USPHS-CDC. LC card FIE 52-2276.

**The mosquito: Public enemy.**

MP, USDA, 1944. 14 min, sd, b&w. Revision of a 1935 film with the same title, of which a silent version was released in 1933 under title Mosquitoes.

Shows species of mosquitoes that cause malaria and yellow fever; depicts the development of larvae and pupae into full-grown mosquitoes; describes their breeding places and methods of control.

Rent from USDA film libraries. Withdrawn from sale in 1954. LC card FIE 52-427.



**Mosquitoes.**

MP, USDA, 1933. 51 min, si, b&w.

Shows species of mosquitoes that cause malaria and yellow fever; depicts the development of larvae and pupae into full-grown mosquitoes; describes their breeding places and methods of control.

Rent from USDA film libraries.  
Buy from UWF. LC card FIE 52-426.

**A most dangerous combination.**

MP, USDA, 1949. 3 min, sd, b&w. Revision of a 1945 film with the same title.

How thought and care can prevent nine out of ten forest fires caused by the dangerous combination of a man, a match, and dry leaves.

Borrow from USFS. Buy from UWF. LC card FIE 52-493.

**Motor control series.**

See Electrical work series. Motor control.

**Motor maintenance and repair series.**

See Electrical work series. Motor maintenance and repair.

**The Mt. Clemens story.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 272.

Cooperative activities carried on by the citizens of Mt. Clemens, Mich., for the personnel of nearby Selfridge Air Force Base.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1445.

**Mountain water.**

MP, USDA, 1950. 17 min, sd, color.

Shows how the water supply for industrial, agricultural, and domestic uses in the western United States depends on mountain water, and the need for the conservation of forests and other vegetation on the mountains.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-446.

**Mounting and military seat.**

MP, USA, 1942. 30 min, sd, b&w. (Horsemanship series, no. 2) Order no. TF 2-601.

Shows actions and positions and the effects of poor seat on both horse and rider.

Borrow from USA. Buy from UWF. LC card FIE 52-1491.

**Mounting on articulators.**

FS, USN, 1949. 48 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-c.

Explains purpose of the articulator and shows how base plates, bite rims, and stone casts are mounted on it. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1809.

**Movements of Endamoeba histolytica.**

MP, USPHS, 1947. 2 min, si, color. (Parasitology series) Order no. 4-061.

Cinemicrography of typical motility and ingested red cells of trophozoite of *Endamoeba histolytica* from a clinical case of amoebic dysentery.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2235.

**Moving the injured, part 1.**

FS, USN, 1942. 43 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (First aid series) Order no. SN 224-a.

Shows how to move the injured on various types of stretchers.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1857.

**Moving the injured, part 2.**

FS, USN, 1942. 54 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (First aid series) Order no. SN 224-b.

Shows how to improvise stretchers, and how to carry victims without stretchers.



Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1858.

**Moving the injured.**

See Pre-first aid: What to do.

**Muddy waters.**

MP, USDA, 1944. 9 min, sd, b&w. Shows how overgrazing and other land abuses in the Southwest have depleted the vegetation and left the land barren and subject to floods and erosion. Emphasizes the need for soil conservation.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-428.

**Multiple cylinder engines.**

FS, USCG, 1942. 40 fr, b&w. Order no. SCG 154-b.

Explains the layout of a multiple cylinder engine and the principle of staggering the firing order of the cylinders.

Buy from UWF. LC card FiE 52-828.

**Multiple switchboards: Installation and operation.**

MP, USA, 1949. 24 min, sd, b&w. Order no. TF 11-1555.

Shows a typical field army organization with its telephones and switchboards; points out the advantages of multiple switchboards over interposition trunking of switchboards; and explains common and local batteries, their tactical use, advantages, and capacity traffic.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1566.

**Multiple wounds, report of a battle casualty.**

MP, USN, 1945. 14 min, sd, color. (Medicine in action series, no. 9) Order no. MN 3726-1.

Follows the progress of a battle casualty with multiple wounds. Shows emergency treatment in the field, guillotine amputation of leg, dressing for traction, treatment of minor leg wounds, cleaning and debridement of facial wounds, grafting of skin, evi-

ceration of damaged eye, enucleation of other eye, reamputation, rehabilitation at a school for the blind.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-998.

**Multiplex mapping, part 1.**

MP, USA, 1949. 26 min, sd, color. Order no. TF 5-1549.

Describes the multiplex method of producing accurate topographical maps from aerial photographs. Primarily for technical use.

Borrow from USA. Buy from UWF. LC card FiE 52-1503.

**Municipal sewage treatment plants series, nos. 1-4**

Primary treatment plants

Chemical precipitation treatment

plants with two-stage digestion

Trickling filter plants

Activated sludge plant with vacuum filtration and incineration

**Municipal sewage treatment processes.**

MP, USPHS, 1951. 13 min, sd, b&w. Order no. M 6.

Shows the equipment and explains the processes used by U.S. cities to reduce sewage to harmless effluent and solids, thus protecting the health of residents and conserving water resources.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-207.

**Musca domestica.**

FS, USN, 1943. 68 fr, b&w with disc: 16 in, 33 1/3 rpm, 7 min. (Field sanitation series, no. 1) Order no. SN 1934-a.

Cartoon drawings show the fly in action in a privy and a latrine and how, carrying germs of typhoid, cholera, and dysentery, he contaminates food. Stresses sanitary measures and methods of fly control. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1764.

**Museum of Science and Industry.**

MP, USIA, 1948. 14 min, sd, b&w. A camera tour of the Museum of Science and Industry in Chicago



and the exhibits therein. Explains the relationship between scientific principles and industrial achievements. Prepared for overseas use.

Buy from UWF. LC card FIE 52-899.

**Museums for school children.**

MP, USA-CAD, 1950. 21 min, sd, b&w.

Portrays the facilities and explains the educational values of children's museums in the United States. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1943.

**My child is blind.**

MP, USA-CAD, 1951. 22 min, sd, b&w.

Shows how a blind child, given special training at a school for blind children, can be taught to do many things that normal children do. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1942.

**A mycological slide culture technique.**

FS, USPHS, 1951 36 fr, color with disc: 16 in, 33 1/3 rpm, 4 min. Order no. F 24.

Shows how to grow fungi on glass slides in a moist chamber in order to observe the undisturbed relationship between reproductive structures and mycelium.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-857.

**Mycosis fungoides.**

MP, USVA, 1952. 16 min, sd, color.

Discusses the historical development, classification, and clinical and histopathological features of mycosis fungoides; emphasizes histological criteria for diagnosis; shows clinical appearances of the pre-mycotic, mycotic, and ulcerative phases of the disease; and follows a case over a four-year period from early pre-mycotic to autopsy findings. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-97.

**NACA crash fire research.**

MP, USNACA, 1953. 40 min, sd, color. Order no. TF 26.

Pictures full-scale airplane crashes staged at Ravenna Arsenal, Ohio, by NACA research scientists, to study the sources of fire ignition and ways to prevent fire. Discusses results of this investigation. For technical personnel, to be used with NACA Report 1133: "Mechanism of start and development of aircraft crash fires."

Borrow from USNACA. LC card FIE 54-204.

**The NACA free-spinning wind tunnel.**

MP, USNACA, 1936. 15 min, sl, b&w. Order no. TF 9.

Shows typical models of airplanes, test techniques, and tests to determine spinning characteristics; includes picture and schematic diagram of the NACA vertical free-spinning wind tunnel. A record film for technical personnel, to be used with NACA Report 557: "Preliminary tests in the NACA free-spinning wind tunnel."

Borrow from USNACA. LC card FIE 54-205.

**NACA high-speed flight research station.**

MP, USNACA, 1952. 14 min, sl at sd speed, color. Also released as a sound film with the title, High-speed flight research at Muroc.

Shows some of the highly-instrumented aircraft and operations in a program of flight research at speeds approaching and exceeding the speed of sound, conducted by the NACA in cooperation with the U.S. Air Force, U.S. Navy, and aircraft manufacturers. For use by technical personnel.

Borrow from USNACA. LC card FIE 54-206.

**NACA research.**

MP, USNACA, 1949. 18 min, sd, color. With lecture notes.



Visualizes and explains the operations of the National Advisory Committee for Aeronautics, activities carried on at NACA research centers, and various research facilities used at these centers, including wind tunnels, rocket-propelled models and full-scale airplanes. Also discusses aerodynamic experiments, work on aircraft structures, and developments in jet propulsion.

Borrow from USNACA. LC card FIE 54-207.

**NATO: Action for defense.**

MP, US Defense, 1952. 20 min, sd, b&w. Order no. AFSR 140. Explains the origin and purposes of NATO, the North Atlantic Treaty Organization. Shows some of the joint training exercises conducted in Europe in the fall of 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2046.

**The n. p. patient.**

MP, USN, 1944. 28 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-r.

Illustrates how to care for and handle neuropsychiatric patients; typical cases and their treatment; and corpsmen's importance in patients' recovery. Limited to professional medical use. Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1269.

**NYU television workshop.**

MP, USA-CAD, 1950. 9 min, sd, b&w.

Depicts the work of a television workshop at New York University; describes the various crafts required in the production of a dramatic television program; and shows students at work in one of New York's commercial television studios. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1939.

**Naples to Cassino.**

MP, USA, 1948. 26 min, sd, b&w. (Historical reports series) Order no. HR-C-3.

Scenes of fighting during the drive of Allied forces from Naples to Cassino, Italy, during World War II.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1691.

**The nation we serve.**

FS, USA, 1949. 15 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-1.

Classifies nations as secular, demonic, and covenant; states that the United States is a covenant nation; and gives examples of the influence of religion in the Declaration of Independence. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2951.

**The national anthem.**

MP, USMC, 1950. 2 min, sd, b&w. Order no. MH 6952.

The U.S. Marine Band plays the Star Spangled Banner.

Borrow from USN or USMC. Cleared for TV. LC card FIE 54-232.

**National Folk Festival, part 1.**

MP, USA-CAD, 1949. 10 min, sd, b&w.

Scenes of folk dances performed at the National Folk Festival in St. Louis, Mo., in 1949, including examples of Western, German, and Phillipine dances, a New England barn dance, and the Scottish highland fling. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2099.

**National Folk Festival, part 2.**

MP, USA-CAD, 1949. 10 min, sd, b&w.

Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Mo., in 1949, including Polish, English,



Croatian, American Indian, Lithuanian, Ukrainian, Texas, and Tennessee dances, and Negro and Yugoslav songs. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV.  
LC card FiE 52-2100.

**National Folk Festival, part 3.**

MP, USA-CAD, 1949. 10 min, sd, b&w.

Scenes of folk dances and songs performed at the National Folk Festival in St. Louis, Missouri, in 1949, including examples of Israeli, Russian, Czechoslovakian, and American square dances, and Ozark ballads, songs of Pennsylvania coal miners, Spanish-American songs, and "Casey Jones." Prepared for use in occupied areas.

Buy from UWF. Cleared for TV.  
LC card FiE 52-2101.

**The National 4-H Club Camp.**

FS, USDA, 1947. 35 double fr, b&w. Order no. 679. With lecture notes.

Highlights of the 17th National 4-H Club Camp, Washington, D.C.  
Buy from PhotoLab. LC card FiE 52-2872.

**National Gallery of Art.**

MP, USNGA, 1943. 14 min, sd, b&w with color sequence.

Exterior and interior views of the National Gallery of Art, Washington, D.C. Explains the lighting and air conditioning systems used in the Gallery. Includes close-ups of many of the pictures in the collections.

Borrow from USNGA. LC card FiE 54-260.

**The national poultry improvement plan.**

FS, USDA, 1938. 48 fr, b&w. Order no. 413. With lecture notes.

Explains the objectives of the plan, methods by which flock owners can participate, and how flocks may meet the requirements of three pullorum-control classes and five progressive breeding stages.

Withdrawn from active circulation in 1952. LC card FiE 52-2900.

**Native food.**

MP, USN, 1945. 6 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-d.

Animated cartoon in which "Mac Gillicuddy" learns the dangers of eating native cooked food and tropical fruits and that the best food for a service man in the tropics is general mess or K-rations.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1171.

**The nature of plant diseases.**

FS, USDA, 1939. 47 fr, b&w. Order no. 165. With lecture notes. Shows the structure and development of fungi, how fungi cause diseases on various parts of cultivated plants, and methods of control of fungi.

Buy from PhotoLab. LC card FiE 52-2936.

**Nautical astronomy.**

MP, USN, 1942. 23 min, sd, b&w. (Navigation series) Order no. MN 83-c.

Explains how the celestial coordinates are placed in relation to the earth, and how declination, zenith point, nadir line, and the June and September solstices are used in celestial navigation. College level.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-975.

**Naval aviation and you.**

MP, USN, 1954. 24 min, sd, color. Order no. MN 9229.

A recruiting film explaining the twelve NavAir rates, showing their jobs afloat, and emphasizing the training received at Naval air technical training schools. Reviews the four phases of primary school training and the training for each of the rates in the specialty advanced schools.

Buy from UWF. Cleared for TV.  
LC card FiE 54-364.



**Naval aviator. Part 1: Basic training.**

MP, USN, 1950. 18 min, sd, color. Order no. MN 6648-a.

Dramatized story of a boy who, after reading about naval air battles of World War II, enlists in the U.S. Navy and becomes a student at the Naval Air Station, Pensacola, Fla. Pictures aspects of the basic training given recruits.

Borrow from USN. Cleared for TV. LC card FIE 52-2187.

**Naval aviator. Part 2: Advanced training.**

MP, USN, 1950. 16 min, sd, color. Order no. MN 6648-b.

Dramatized story of two boys who, having completed basic training, enter and complete advanced training at the Naval Air Station, Corpus Christi, Texas.

Borrow from USN. Cleared for TV. LC card FIE 52-2188.

**Naval chapels in the Pacific.**

MP, USN, 1948. 10 min, sd, color. Order no. MN 9153.

Describes the duties of a Navy chaplain aboard ship and at a Pacific island base.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1276.

**Naval epidemiology.**

MP, USN, 1946. 10 min, sd, color. (Medicine in action series, no. 10) Order no. MN 3726-1.

Brief survey of epidemiology; shows Navy working against typhus, cholera, and malaria by enforcing cleanliness; spraying and filling in swamps.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-999.

**The Naval establishment: Bureau of Yards and Docks.**

MP, USN, 1953. 18 min, sd, b&w. Order no. MN 6992-c.

Shows the primary responsibilities and functions of the Bureau of Yards and Docks of the U.S. Navy, with emphasis upon planning, design, research, and construction.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-117.

**The naval gun at Okinawa.**

MP, USN, 1946. 20 min, sd, b&w. Order no. MN 5567.

Photographic report and evaluation of naval gunfire support during the Okinawa campaign.

Borrow from USN. LC card FIE 55-91.

**The Naval Gun Factory.**

MP, USN, 1952. 15 min, sd, b&w. Order no. MN 7316.

By describing the various steps involved in the complete production of the 3 in. 50 caliber twin-mount gun, gives a cross section of the gun factory, outlining the main facets and the wide diversification of the plant.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-378.

**Naval guns at Iwo Jima.**

MP, USN, 1945. 13 min, sd, b&w. Order no. MN 5562.

Shows military air and naval gunfire in the bombardment of Iwo Jima in support of landing forces.

Borrow from USN. Withdrawn from sale in 1954. LC card FIE 52-1357.

**Naval Ordnance Laboratory: The N-O-L story.**

MP, USN, 1951. 20 min, sd, color. Order no. MN 9165.

Description of the work involved in the research and development of the U.S. Navy's latest weapons. Sequences feature supersonic wind tunnels, ten-million volt betatron, giant magnetic coils, bomb-drop test tower, and hydrostatic pressure tanks.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-365.

**The naval wars with France and Tripoli.**

MP, USN, 1953. 26 min, sd, color. (History of the United States Navy series) Order no. MN 6943-b.



Presents through still pictures, using the filmograph technique, the naval history of the United States from 1785 to 1805. Includes scenes of the wars with France, 1798-1800, and with Tripoli, 1801-1805; arrival of U.S. Fleets in the Mediterranean; destruction of frigate Philadelphia; bombardment of Tripoli; and the march on Derna.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-102.

#### Navigation series

Aerial map reading  
The American nautical almanac for the year 1943  
The astronomical triangle  
Charts  
Dead reckoning: Air  
Dead reckoning: Plotting, and celestial lines of position  
The earth  
The link sextant, air  
Nautical astronomy  
Night piloting, surface  
Piloting, surface  
The Pioneer bubble sextant, Mark 5, part 1  
The Pioneer bubble sextant, Mark 5, Part 2: Averaging device, adjustments, and practical use  
Relative movement. Part 1: Relative movement and interception  
Relative movement. Part 2: Out and in search, relative wind  
Relative movement. Part 3: Geographic sector search, relative sector  
Rude star identifier  
The sextant, surface  
Star identification  
Time  
Time in the air

**The Navy and science.**  
MP USN, 1951. 12 min, sd, b&w.  
Order no. MN 6658.  
Highlights some of the scientific research programs being conducted by the Navy.  
Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1304.

**Navy chaplains, photo report.**  
MP, USN, 1945. 16 min, sd, b&w.  
Order no. MN 5125.

Explains the training program of Navy chaplains including physical education, instruction in other creeds, conduct of services, and Navy regulations.

Borrow from USN. Buy from UWF. LC card FiE 52-1343.

#### Naval civil engineers.

MP, USN, 1951. 16 min, sd, b&w.  
Order no. MN 6766.

Gives a brief history of the Civil Engineer Corps of the U.S. Navy and portrays some of its functions and accomplishments, particularly the construction of dry docks. Deals briefly with the CB's (construction battalions) and their accomplishments.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-2141.

#### The Navy flight surgeon.

MP, USN, 1952. 25 min, sd, color. Order no. MN 6937.

Portrays the typical career of a doctor in aviation medicine, reviews his specialized training for flight surgeon's wings, and explains the variety of his possible assignments.

Borrow from USN-BuMed. LC card FiE 54-118.

#### Navy industrial gases series

Cylinder and valve maintenance  
Cylinder inspection and filling  
Introduction to compressed gases  
Safe handling of compressed gases

#### Navy materials handling equipment operation.

MP, USN, 1951. 19 min, sd, b&w.  
Order no. MN 7285.

Shows many types of materials handling equipment including the hand pallet truck, the fork lift, and the tractor-trailer train. Emphasizes preliminary checking of equipment before use and safety precautions during operation.

Buy from UWF. LC card FiE 55-205.

#### Navy materials handling: The fork truck.

MP, USN, 1943. 19 min, sd, b&w.  
(Logistics series) Order no. MN



**2294-b. Known also as The fork truck.**

Compares old and new methods of handling materials and demonstrates use of two- and four-wheel hand trucks. Shows the advantage of using hand-lift pallet trucks and fork and fork-pallet trucks.

Buy from UWF. LC card FIE 52-1229.

**Navy materials handling: The unit load.**

MP, USN, 1944. 14 min, sd, b&w. (Logistics series) Order no. MN 2294-c.

Shows handling of supplies by unit loads from their source to their destination with the aid of fork trucks, street trailers, and semi-trailers. Compares the speed of handling by palletized unit loads with hand and bucket brigade methods.

Buy from UWF. LC card FIE 52-1230.

**Navy men of medicine.**

MP, USN, 1942. 15 min, sd, b&w. Order no. MN 602.

Emphasizes the importance of the activities of the Bureau of Medicine and Surgery; gives glimpses of naval hospital facilities ashore and afloat; shows some phases of training of hospital corpsmen.

Borrow from USN-BuMed. LC card FIE 54-119.

**The Navy nurse.**

MP, USN, 1952. 24 min, sd, color. Order no. MN 7339.

Portrays the activities of a Navy nurse, Ensign Janet Lee, at a U.S. Navy hospital—her indoctrination, ward duty, teaching and nursing responsibilities, social and professional life. Designed primarily for recruiting.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-151.

**Navy photography in intelligence.**

MP, USN, 1948. 17 min, sd, b&w. Order no. MN 5348-d.

Shows how aerial mosaics, stills, and other photographic reports

yield vital information concerning all phases of enemy positions and war potential.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1318.

**Navy photography in science.**

MP, USN, 1948. 28 min, sd, color. Order no. MN 5348-c.

Shows uses of photography in scientific research—time-lapse, high-speed, slow-motion, stroboscopic, microscopic, and underwater techniques. Includes scenes of the moon in motion, blood circulation in the brain, and the earth from 101 miles altitude.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1344.

**Navy quiz series, nos. 2 and 44**

Aerology

Weather map symbols

**Navy Relief Society.**

MP, USN, 1951. 15 min, sd, b&w. Order no. MN 7370.

Explains the purposes, activities, and benefits of the Navy Relief Society.

Borrow from USN. Cleared for TV. LC card FIE 53-253.

**Navy Sierra snow tests.**

MP, USN, 1953. 10 min, sd, b&w. Order no. MN 6912-b.

Portrays new developments in cold weather equipment and techniques, including snow testing, snow compaction, special-type vehicles, small-size snowplows, engine starting, field repair units, and fresh water manufacture.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-154.

**Navy standard physical fitness test.**

MP, USN, 1944. 20 min, sd, b&w. (Physical fitness training series) Order no. MN 2652-a.

Shows how to give physical fitness tests designed to measure strength, endurance, stamina, and agility.



Buy from UWF. LC card FiE 52-1098.

**Navy standard swimming tests and abandoning ship drills.**

MP, USN, 1944. 18 min, sd, b&w. (Physical fitness training series) Order no. MN 2652-b.

Shows various tests given to Navy personnel to determine swimming abilities; and illustrates abandoning ship drills.

Buy from UWF. LC card FiE 52-1099.

**Navy tank cleaning procedures series.**

Conversion from black oil to Diesel fuel: Navy improved method

Conversion from black oil to gasoline: Navy chemical method  
Maintenance tank cleaning: Butterworth method

**The navy yard and its work.**

MP, USN, 1943. 17 min, sd, b&w. Order no. MN 2288.

Explains the chain of commands and the functions of the various departments within the navy yard.

Buy from UWF. LC card FiE 52-1178.

**The Nazis strike.**

MP, USA, 1943. 41 min, sd, b&w. (Why we fight series) Order no. OF 2.

Documentary film record of Germany's preparations for war, the conquest of Austria and Czechoslovakia, and the attack upon Poland.

Buy from UWF. LC card FiE 52-1710.

**Necropsy of an elephant.**

MP, USA, 1948. 10 min, sd, color. Order no. PMF 5101.

Shows a post mortem examination of an Indian elephant that died of pulmonary tuberculosis, as performed by official veterinarians. Provides a lesson in pathology and comparative anatomy. For medical personnel.

Borrow from USAFIP. LC card FiE 53-46.

**The need for wholesome thinking.**  
FS, USA, 1949. 14 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-2.

Emphasizes the desirability of wholesome thinking. Prepared for use by Army chaplains.

Borrow from USA. Buy from UWF. LC card FiE 52-2952.

**Negro colleges in wartime.**

MP, USOWI, 1943. 9 min, sd, b&w. Shows wartime activities carried on in 1943 at Tuskegee Institute, Howard University, Hampton Institute, and other Negro colleges.

Buy from UWF. LC card FiE 52-768.

**The Negro sailor.**

MP, USN, 1945. 27 min, sd; b&w. Order no. MN 4360.

Tells a story, through flashbacks, of a Negro enlisted man who attends Quartermaster School and learns of the opportunities available to Negroes in the U.S. Navy.

Borrow from USN. LC card FiE 55-89.

**The Negro soldier.**

MP, USA, 1944. 20 min, sd, b&w. Order no. OF 24.

Traces the role of the Negro soldier in American history from 1776 to 1944. Shows the accomplishments of Negro troops.

Borrow from USA, USAF, or USN. Buy from UWF. LC card FiE 52-1716.

**Neurolysis of peroneal nerve.**

MP, USA, 1948. 6 min, sd, color. Order no. PMF 5080.

Explains that planning and care are essential to accomplish the proper incision in this operation; and shows the method of choosing between neurolysis and neurorrhaphy in electing surgery. For medical personnel.

Borrow from USAFIP. LC card FiE 53-57.

**Neurolysis of ulnar nerve in the lower arm.**

MP, USA, 1949. 8 min, sd, color. Order no. PMF 5099.



Describes the diagnostic findings and the surgical procedure followed in the case of a five-year-old injury to the ulnar nerve resulting from a laceration of the right lower arm. Also shows the application of physiotherapy in the treatment of nerve wounds. For medical personnel.

Borrow from USAFIP. LC card FIE 53-47.

**Neurorrhaphy of median and ulnar nerves in mid-arm.**

MP, USA, 1948. 12 min, sd, color. Order no. PMF 5102.

Presents a detailed preoperative evaluation of damage to the right mid-arm traversed by a bullet, followed by surgical repair of the median and ulnar nerves. For medical personnel.

Borrow from USAFIP. LC card FIE 53-45.

**Neurorrhaphy of median and ulnar nerves in the left forearm.**

MP, USA, 1948. 14 min, sd, color. Order no. PMF 5096.

Gives clinical examination details of a left forearm shell fragment case with severed median and ulnar nerves, and the procedure for effecting repair. For medical personnel.

Borrow from USAFIP. LC card FIE 53-49.

**Neurorrhaphy of ulnar; neurolysis of median in arm.**

MP, USA, 1948. 10 min, sd, color. Order no. PMF 5087.

Demonstrates the exploration of the median and ulnar nerves in a case of incomplete paralysis of the median and ulnar nerves and complete paralysis of the radial nerve. For medical personnel.

Borrow from USAFIP. LC card FIE 53-53.

**Neurosurgery: Facial neuralgia.** MP, USN, 1946. 12 min, sd, color. Order no. MN 2230-e.

Demonstrates the surgical treatment of trigeminal and glossopharyngeal neuralgia. For medical personnel.

Buy from UWF. LC card FIE 52-1175.

**Neurosurgery in an overseas general hospital.**

MP, USA, 1946. 44 min, sd, color. Order no. PMF 5014.

Shows neurosurgical problems in an overseas general hospital, including requirements for facilities for diagnosis, treatment, and post-operative care. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2219.

**Neurosurgery: Management of spinal cord injuries.**

MP, USN, 1946. 8 min, sd, color. Order no. MN 2230-b.

Demonstrates five steps in the management of spinal cord injuries: surgery, orthopedics, bladder resection, physiotherapy and exercise. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1176.

**Nevada and its natural resources.** MP, USBM, 1949. 31 min, sd, color. Order no. 233.

Panoramic description of Nevada, with emphasis upon its mineral resources and mining operations. Borrow from USBM. Cleared for TV. LC card FIE 52-661.

**A new beginning.**

MP, USA-CAD, 1952. 40 min, sd, b&w.

Story of the rehabilitation of an injured miner by specialists at the New York University Medical Center with the assistance of the United Mine Workers Welfare Board. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card no. FIE 52-1941.

**New eyes and new ears.**

MP, USA-CAD, 1951. 20 min, sd, b&w.

Explains the use of audio-visual materials in Japan, and shows how civilian informational and educational (CI&E) films of the Supreme Commander, Allied Powers are produced for an utilized in Japan. Prepared for use



in occupied areas, particularly in Japan.  
Buy from UWF. LC card FIE 52-1940.

**A new frontier.**  
MP, USBIA, 1941. 18 min, sd, color.  
Story of how a small group of Navaho and Hopi Indians colonizes an area reclaimed by irrigation from the barren desert of western Arizona.  
Buy from USBIA. LC card FIE 52-798.

**The new gardener.**  
FS, USDA, 1943. 49 fr, single or double, b&w. Order no. 641. With lecture notes.  
Gives an elementary course in the main steps of gardening--soil preparation, planting methods, transplanting, weeding, staking, and harvesting.  
Buy from PhotoLab. LC card FIE 52-2932.

**New Guinea.**  
FS, USN, 1944. 78 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Theatres of war series. Pacific area) Order no. SN 1538-e.  
Describes how to study the terrain to find the best way to travel; how to use fruits, foliage, fish, and animals of the country; and how to sleep, use first aid kit, and get along with the natives.  
Buy from UWF. LC card FIE 52-1752.

**New look for Niagara.**  
MP, USA-Eng. 1954. 14 min, sd, color.  
Portrays the investigation being conducted at the Waterways Experiment Station on the hydraulic model of the Niagara River and Falls, and illustrates the requirements of the 1950 Treaty between the United States and Canada for enhancing the spectacle of the Falls and at the same time increasing the diversion of the river above the falls for the development of power.  
Borrow from USA-Eng. Cleared for TV. LC card FIE 54-444.

**New mobile bakery equipment.**  
MP, USA, 1949. 23 min, sd, b&w. Order no. TF 10-1479.  
Shows the equipment and operation of a mobile bakery, developed by the Quartermaster Corps, with its features of manpower economy, time and temperature control, and automatic kneading of dough.  
Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1552.

**A new supervisor takes a look at his job.**  
MP, USOE, 1944. 13 min, sd, b&w. (Problems in supervision series) Order no. OE 150. With instructor's manual.  
A machine tool operator is made a group leader and his plant superintendent explains to him, through dramatized illustrations, the meaning of working with people instead of machines.  
Buy from UWF. LC card FIE 52-138.

**New techniques for rearing blood-sucking insects.**  
FS, USPHS, 1951. 31 fr, b&w. Order no. F 98.  
Explains new methods of rearing *Triatoma* bugs and of infecting them with *Trypanosoma cruzi*.  
Borrow from USPHS-GDC. LC card FIE 53-984.

**New U. S. antitank mines, trip flares, and fuses, September, 1944.**  
MP, USA, 1944. 18 min, sd, b&w. Order no. FB 153.  
Nomenclature and functions of the M6 and M7 antitank mines, M48 and M49 trip flares, and M2 friction, M3 pull-release, and M5 pressure-release fuses.  
Borrow from USA. Buy from UWF. LC card FIE 52-1672.

**New wings for peace.**  
MP, USAF, 1949. 10 min, sd, b&w. Order no. SFP 233.  
Portrays the aviation cadet program at Randolph Air Force Base: the selection of candidates, training, living conditions during



training, and opportunities for graduates.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1444.

**Night piloting, surface.**

MP, USN, 1944. 18 min, sd, b&w. (Navigation series) Order no. MN 83-u.

Studies a night piloting problem and shows the procedure of bringing the U. S. S. Savannah into a harbor at night.

Buy from UWF. LC card FIE 52-983.

**Night vision for airmen.**

MP, USN, 1945. 22 min, sd, b&w. Order no. MN 3462.

Explains problems faced by flying personnel in seeing at night; shows anatomical and physiological aspects of the eye; and the reasons for and the proper techniques of becoming dark adapted. Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1132.

**The 1949 National 4-H Club Camp.**

FS, USDA, 1949. 60 double fr, color. Order no. C-1. With lecture notes.

Highlights of the 19th National 4-H Club Camp, Washington, D. C. Buy from PhotoLab. LC card FIE 52-2873.

**1952 Olympic Games.**

MP, US Defense, 1953. 29 min, sd, b&w. Order no. AFLF 36.

Highlights the major competitions of athletes of 67 nations in the 1952 Olympic Games held in Helsinki, Finland. Emphasizes the activities of U.S. athletes.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 53-609.

**No greater heroisms.**

MP, USA, 1951. 21 min, sd, b&w. Order no. MF 7858.

A dramatized story of the duties and accomplishments of a corporal in the Women's Army Corps who works in a machine records

section. Explains training, career opportunities, and educational and recreational activities in the Corps.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2064.

**No place like home.**

MP, US-Defense, 1947. 8 min, sd, b&w. Order no. AFSS 88. On same reel with film, Food for thought. Points out similarities between home life and army life.

Borrow from USA or USAF. Buy from UWF. LC card FIE 53-310.

**Non-judicial punishment.**

MP, USA, 1954. 26 min, sd, b&w. Order no. TF 15-1967.

Defines non-judicial punishment as authorized under Article 15 of the Uniform Code of Military Justice, and presents typical cases to illustrate the feasibility of such punishment, and the proper procedure for administering punishment. Illustrated cases involve the careless discharge of a weapon on a firing range, careless use of a weapon, fighting among soldiers in a combat zone, speeding, and failure to attend a special formation.

Borrow from USA. LC card FIE 54-445.

**Non-judicial punishment.**

MP, USN, 1952. 22 min, sd, b&w. (Uniform code of military justice series) Order no. MN 7319-b.

Portrays four cases of minor offenses brought to "Mast," the handling of these cases, and the non-judicial punishment given the offenders under the Uniform Code of military justice of the U.S. Armed Forces.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-144.

**Non-verbal communication.**

MP, USVA, 1952. 27 min, sd, b&w (Psychotherapeutic interviewing series, no. 4)

Discusses the recognition of the clues of nonverbal communication and the manner in which these



clues can be used in an interview situation to obtain information and to further therapy. Illustrates the various points through pictures, with subtitles, of actual unrehearsed interview situations. For professional personnel only. Borrow from USVA. Buy from UWF. LC card FIE 53-98.

**Normandy invasion.**  
MP, USCG, 1944. 19 min, sd, b&w.

Photographic record by U.S. Coast Guard combat photographers of the preparations for and the invasion of Europe in 1944.

Borrow from USCG. LC card FIE 52-866.

**Northwest U.S.A.**  
MP, USOWI, 1945. 22 min, sd, b&w. (American scene series, no. 10)

A review of the resources, industries, and people of Oregon and Washington. Prepared for overseas use.

Buy from UWF. LC card FIE 52-783.

**Norway and Denmark.**  
MP, US Defense, 1954. 19 min, sd, b&w. Order no. AFIF 52.

Presents a brief study of Norway and Denmark, covering their historical background and current social, economic and political status. Explains the strategic military importance of the two countries.

Borrow from USAF. Cleared for TV. LC card FIE 54-446.

**The Norway rat, habits and characteristics.**

MP, USPHS, 1953. 18 min, sd, b&w. (Rodent control series, no. 2) Order no. M 37.1-b. Short version of motion picture with the title, Habits and characteristics of the Norway rat.

Explains and pictures the characteristics of the Norway rats--their colonies, runways, physical characteristics, feeding habits, and nocturnal activities. Makes the point that only by knowing the

habits of the Norway rats can man control them.

Borrow from USPHS-GDC. Buy from UWF. LC card FIE 54-165.

**Nuremberg trials.**

MP, US Defense, 1949. 76 min, sd, b&w. Order no. MF 7596.

A film record of the trials of the Nazi leaders at Nuremberg, Germany. Includes scenes from films made by the Nazis which were presented as the documentary evidence of the atrocities committed at concentration camps.

Borrow from USA. LC card FIE 52-2139.

**Nursing in the tropics.**

MP, USA, 1952. 29 min, sd, b&w. Order no. PMF 5144.

Discusses the problems of preventive medicine and aseptic technique with emphasis on nursing procedures involved in the treatment of gastro-intestinal disorders, fungus infection, malaria, and dengue fever. Designed for nurses and doctors and other hospital personnel living and working in military hospitals in the tropics.

Borrow from USAFIP. LC card FIE 53-27.

**Nursing series.**

Bathing the patient: Home care  
Care of the cardiac patient  
Care of the newborn baby: The nurse's role in instructing the parents

Care of the patient with diabetes mellitus: Complicated

Care of the patient with diabetes mellitus: Uncomplicated

Feeding the patient

Fundamentals of massage

Hydrotherapy

Radiotherapy: High dosage treatment

Recreational and occupational therapy

Teaching crutch walking

Therapeutic uses of heat and cold. Part 1: Administering hot applications

Therapeutic uses of heat and cold. Part 2: Administering cold applications



The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure

**Nutriculture: Vegetable growing.**  
MP, USA, 1949. 10 min, sd, b&w.  
Order no. FB 233.

Explains how to grow food crops by artificial feeding through the use of chemical mixtures. Demonstrates the necessary equipment and the techniques to be used.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1684.

**Obey the fire laws.**

MP, USDA, 1953. 1 min, sd, b&w. (Smoky Bear forest fire prevention, series 3--"pledge" trailers--no. 3).

Explains the importance of obeying fire laws, particularly in the burning of brush. Prepared for television use.

Borrow from USFS. Cleared for TV. LC card FIE 53-597.

**An object lesson in fire prevention.**

MP, USN, 1950. 21 min, sd, b&w.  
Order no. MN 6896.

Explains the fire hazards in aviation overhaul and repair shops, and the importance of protective measures. Primarily for management and supervisory personnel.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1283.

**Objective prisoners.**

MP, USMC, 1946. 27 min, sd, color. Order no. MH 5378.

Describes the capture of a Japanese soldier, his treatment in the front lines, channels to be followed in interrogation, and sending the prisoner to the rear areas.

Borrow from USMC. LC card FIE 54-319.

**Ocala.**

MP, USDA, 1941. 10 min, sd, b&w.

Portrays the development of Ocala National Forest from a rattlesnake infested wasteland of scrub pine into an attractive productive area.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-1931.

**Ocean station vessel crew training in search and rescue series.**  
~~See Search and rescue series.~~  
Ocean station vessel crew training in search and rescue.

**The occluded fronts.**

MP, USN, 1944. 22 min, sd, color. (Aerology series) Order no. MN 119-g.

Shows the development and movement of cyclones and the initial stages which are the warm and cold fronts. Demonstrates on a weather map the action of cold and warm front occlusion and points out the weather problems in flight operation.

Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FIE 53-249.

**Occupational therapy in problems of motion.**

MP, USA, 1950. 23 min, sd, b&w. Order no. PMF 5116-b.

Portrays conditions involving joint limitation, muscle weakness, and lack of coordination, with occupational therapy for such conditions. For professional personnel.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 53-38.

**Of liberal education.**

MP, USN, 1948. 20 min, sd, color. Order no. MN 6605.

Dramatizes various phases of NROTC (Naval Reserve Officers Training Corps) students' activities from the time they take an aptitude test until graduation with a Navy commission.

Borrow from USN. LC card FIE 55-92.

**Officer school: U. S. Army.**

MP, US Defense, 1948. 19 min, sd, b&w. Order no. AFSR 89.



A pictorial review of schools for officers of the United States Army.

Borrow from USA. Buy from UWF. LC card FIE 52-1399.

**Ohio and its mineral resources.**  
MP, USBM, 1948. 30 min, sd, color. Order no. 227.

Describes the mineral resources and their production in Ohio, including coal, oil, natural gas, limestone, dolomite, etc., and the manufacture of products from these minerals. Touches on the geography of the State, its industrial areas, and its educational and recreational facilities.  
Borrow from USBM. Cleared for TV. LC card FIE 52-655.

**The Ohio River.**

MP, USA-Eng, 1947. 30 min, sd, b&w.

Shows navigation maintenance and flood control work on the Ohio River.

Borrow from USA-Eng. LC card FIE 52-2004.

**Ohio town series.**

The county agent

The doctor

The mechanic

Ohio town

The school

**Ohio town.**

MP, USOIAA, 1946. 19 min, sd, b&w, (Ohio town series)

One day's life in an Ohio town--starting with the newsboy and milkman early in the morning, shows people going to work, the stores opening, workers in a factory, housewives shopping, children at school and play, and closes with the town's families at home in the evening. Focuses upon an election day and the town's citizens voting for mayor.  
Buy from UWF. LC card FIE 52-693.

**Ohm's law.**

MP, USA, 1943. 19 min, sd, b&w. (Electricity and magnetism series, no. 2) Order no. TF 11-1200.

Explains the elements of electricity; electrical energy, its source, transmission, and use; composition of matter; use of force and energy; how Ohm's law functions; resistance; and the purpose and use of meters.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1562.

**The oil gear hydraulic traversing mechanism, principles of operation.**

MP, USA, 1944. 22 min, sd, b&w. Order no. TF 9-1376.

Shows by means of working models and animation how the oil gear traverse mechanism operates, and the path and functioning of oil through an elevated mechanism.

Borrow from USA. Buy from UWF. LC card FIE 52-1736.

**Oil systems.**

FS, USN, 1943. 52 fr, b&w. Order no. SN 2782.

Describes two types of internal oil systems: dry sump and wet sump. Illustrates how the dry-sump type functions. Discusses briefly the principal parts of external oil systems.

Borrow from USCAA film libraries. LC card FIE 54-786.

**Oklahoma and its natural resources.**

MP, USBM, 1953. 29 min, sd, color. Order no. 223.

Reviews briefly the history of Oklahoma and shows the mineral resources, mining operations, petroleum production, agriculture, and views of the State.

Borrow from USBM. Cleared for TV. LC card FIE 53-526.

**Old MacDonald.**

MP, USDA, 1951. 2 min, sd, b&w. (Smoky Bear forest fire prevention, series 2--musical trailers--no. 1)

Animated cartoon, featuring the character Smokey Bear and the tune Old MacDonald, emphasizing forest fire prevention. Prepared primarily for television.



Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 52-2159.

**Omni-bearing distance navigation system.**

MP, USAF, 1949. 25 min, sd, b&w. Order no. TF 1-4684.

Describes the principles of operation of the VOR (very high frequency omni-directional radio range) and explains how to use the aircraft instruments developed to fly this type of radio range.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1463.

**On foreign shores.**

MP, USCG, 1945. 25 min, sd, b&w. Known also as The Coast Guard at war. Part 2: On foreign shores. Reviews the 1941-45 wartime activities of the U.S. Coast Guard in battle zones. Includes scenes of ten invasions in which the Coast Guard participated.

Borrow from USCG. LC card FIE 52-865.

**On parade.**

MP, USA, 1953. 17 min, sd, b&w. Order no. TF 35-1895.

Tells the story of a WAC, her first days as a recruit in the Women's Army Corps, her training, advancement, and pride when "on parade."

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-120.

**On post safety.**

MP, USA, 1952. 22 min, sd, b&w. Order no. TF 30-1735.

Analyses the causes of common accidents in the armed forces; recreates typical accidents in which carelessness of the individual soldier was the cause; and stresses the importance of safety consciousness through the Armed Forces.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2100.

**On-the-job supervision series, nos. 1-6.**

The cost of an error

Spotting immediate training needs

The job breakdown

The four steps

Stop, look, and question

Kinda give it your personal attention

**On the trail of George Washington.**

ES, USDA, 1932. 75 fr, b&w. Order no. 299. With lecture notes. Scenes associated with the life of Washington from birth through youth, Mount Vernon days, the war, and early years of the nation.

Buy from PhotoLab. LC card FIE 52-2878.

**Once a Marine.**

MP, USMC, 1947. 16 min, sd, b&w. Order no. MH 6446-d.

Shows the activities of a former Marine and of a high-school student in the U.S. Marine Corps Reserve.

Borrow from USMC. LC card FIE 54-320.

**Once too often.**

MP, USA, 1951. 26 min, sd, b&w. Order no. TF 20-1684.

Dramatized story of the precarious and foolish activities of a soldier on leave, which are recorded by an ethereal Fate who finally decides that the soldier has taken a chance "once too often."

Borrow from USA. Buy from UWF. LC card FIE 52-2090.

**Once upon a time.**

MP, USDA, 1950. 5 min, sd, b&w. (Smokey Bear forest fire prevention, series 1--shorts--no. 1).

Smokey Bear tells a story of a family--father, mother, and child--who obey all of the rules of safety in their use of fire in woods.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 52-607.



**Onchocerciasis: The blinding filariasis.**

MP, USPHS, 1952. 17 min, sd, color.

Explains the etiology, epidemiology, clinical manifestations, diagnosis; and treatment of the tropical disease, onchocerciasis. Filmed principally in the Yepocapa area of Guatemala.

Borrow from USPHS. Buy from UWF. LC card FIE 53-175.

**155 mm. howitzer: Glamour Gal.**  
MP, USMC, 1946. 17 min, sd, color. Order no. MH 4993. Also known as Glamour Gal.

Story of a 155 mm. howitzer from training ranges to completion of the Iwo Jima operation.

Borrow from USMC. LC card FIE 54-321.

**One lick method of fighting forest fires.**

MP, USDA, 1938. 31 min, sd, b&w.

Demonstrates the "one-lick" method of fire-line construction and fire suppression.

Borrow from USFS. Buy from UWF. LC card FIE 52-592.

**One man task force.**

MP, USN, 1947. 39 min, sd, b&w. Order no. MN 5355.

Demonstrates the importance and the variety of uses of long range shore-based aircraft in the U.S. Navy.

Borrow from USN. LC card FIE 52-1345.

**One plane, one bomb.**

MP, USAF, 1952. 14 min, sd, b&w.

Dramatizes the story of a flight of B-29's approaching the east coast of the United States at low altitude and simulating an enemy attack. Emphasizes the need for a large, well trained Ground Observer Corps.

Borrow from USAF or USFCDA. LC card FIE 54-395.

**Onions and more onions.**

MP, USDA, 1952. 5 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of onions. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-638.

**Only a bunch of tools.**

MP, USDA, 1949. 28 min, sd, color.

Demonstrates in story form the use of small tools in fire fighting and how training in the use of such tools saved a house and wood lot from destruction by fire.

Borrow from USFS. Buy from UWF. LC card FIE 52-591.

**Operating a mobile well boring rig.**

MP, USPHS, 1953. 5 min, sd, color. Order no. SPM 135.

Demonstrates how a 60-foot water well was bored in approximately two hours with a mobile well-boring rig.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-121.

**Operation and maintenance of communications equipment in extreme cold.**

MP, USA, 1952. 21 min, sd, b&w. Order no. TF 11-1776.

Shows methods of winterizing various types of communications equipment; the effects of extreme cold on equipment; and measures to be used to prevent damage due to excessive cold.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-166.

**Operation and maintenance of pipeline systems.**

MP, USA, 1954. 10 min, sd, b&w. (Military pipeline operations series, no. 3) Order no. TF 5-1864.

Shows the organization of a pipeline system into districts, control by service headquarters, duties of the chief dispatcher, and supply of fuel to the stations.

Borrow from USA. Buy from UWF. LC card FIE 54-122.



**Operation Blue Jay.**

MP, USA, 1953. 28 min, sd, b&w.  
Order no. MF 45-7947.

Records and describes Operation Blue Jay, the construction of a United States air base at Thule on the northwest coast of Greenland.

Borrow from USA or USA-Eng.  
Buy from UWF. Cleared for TV.  
LC card FIE 53-234.

**Operation CAMID VI.**

MP, US Defense, 1952. 8 min, sd, b&w. Order no. AFSR 138. On same reel with film, The Navy and science.

Portrays the training of cadets and midshipmen, during the summer of 1951, in the techniques of amphibious operations.

Borrow from USA or USAF.  
Cleared for TV. LC card FIE  
52-2192.

**Operation concrete.**

MP, USA-Eng, 1950. 25 min, sd, color.

Shows concrete operations at Detroit Dam under construction on the North Santiam River near Detroit, Ore.

Borrow from USA-Eng. Cleared  
for TV. LC card FIE 52-1996.

**Operation crossroads.**

MP, USN, 1949. 27 min, sd, color. Order no. MN 6817. Revision, for television use, of 1946 film with the same title.

Documentary film record of the Able and Baker atomic bomb tests at Bikini.

Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-1279.

**Operation crossroads.**

MP, USN, 1946. 27 min, sd, color. Order no. MN 5345.

Documentary film record of the Able and Baker atomic bomb tests at Bikini.

Borrow from USN. LC card FIE  
52-1346.

**Operation for varicocole.**

MP, USA, 1947. 11 min, sd, color. Order no. PMF 5009.

Presents a case of a painful left varicocole involving an anterior group veins. Demonstrates surgical treatment, similar in principle to ligation of saphenous veins for varicosities of lower extremity. For medical personnel.

Borrow from USAFIP. LC card  
FIE 52-2244.

**Operation Greenhouse.**

MP, USAEC, 1952. 25 min, sd, color.

Describes the scientific and technical operations of the Atomic Energy Commission during the nuclear weapons test at Eniwetok in the spring of 1951. Depicts blast and thermal effects of the explosions on different types of structures.

Borrow from USAEC. Buy from  
UWF. Cleared for TV. LC card  
FIE 53-131.

**Operation Highjump.**

MP, USN, 1950. 18 min, sd, b&w.

Order no. MN 9160. Revision, narration only, of the U.S. Army motion picture with title, Ant<sup>arctic</sup> arctic expedition.

Record of the 1946-47 expeditions to the Antarctic regions conducted under the leadership of Admiral Richard E. Byrd.

Borrow from USN. Cleared for  
TV. LC card FIE 53-446.

**Operation Inchon.**

MP, USA, 1952. 18 min, sd, b&w. Order no. MF 7883.

A documentary film on the activities of the United Nations forces in Korea during August and September 1950.

Borrow from USA. Cleared for  
TV. LC card FIE 55-188.

**Operation Ivy.**

MP, USAF, 1954. 28 min, sd, color or b&w.

Documentary record of a thermonuclear test at the Atomic Energy Commission's Pacific proving grounds in 1952. Introductory remarks by President Dwight D. Eisenhower and a closing statement by FCDA Administrator Val Peterson.



Borrow from USAEC, or USFCDA. Buy from Byron. Cleared for TV. LC card FIE 54-454.

**Operation of a forest nursery.**  
MP, USDA, 1938. 11 min, sd, b&w.

Shows the operations of a large nursery--treatment and storage of seeds, germination tests, sowing seeds, and protection and care of seedlings until they are ready for field planting.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-578.

**Operation of dukw's: Tactical use.**

MP, USA, 1948. 32 min, sd, b&w. Order no. TF 55-1477.

Shows the operation and tactical use of dukw's (landing craft), including their launching from a ship, loading of cargo, landing and beaching.

Borrow from USA. Buy from UWF. LC card FIE 52-1745.

**Operation of ocean station vessels during search and rescue.**

MP, USCG, 1947. 27 min, sd, color. Order no. MG 5379.

Explains the search and rescue (SAR) operations of the U.S. Coast Guard and illustrates these operations through a story of the ditching at sea of a commercial plane and the rescuing of the survivors by a Coast Guard ocean station vessel.

Buy from UWF. Cleared for TV. LC card FIE 52-885.

**Operation of the astro-compass.**  
FS, USAF, 1944. 52 fr, b&w. (Aerial navigation series) Order no. FS 1-421.

Describes how to use the astro-compass to find deviation correction and tells how to align the astro-compass standard.

Borrow from USCAA film libraries. LC card FIE 53-1008.

**The operation of valves of an ox heart.**

MP, USA, 1949. 4 min, sd, b&w. Order no. PMF 5162.

Shows a series of close-ups of the opening and closing of ox heart valves. For professional personnel.

Borrow from USAFIP. LC card FIE 53-24.

**Operation Portrex.**

MP, US Defense, 1950. 10 min, sd, b&w. Order no. AFSR 120. On reel with Army sports.

An exercise designed to test the possibility of recapturing the Caribbean Island of Vieques from an aggressor.

Borrow from USA. Cleared for TV. LC card FIE 55-167.

**Operation Sandstone.**

MP, USAEC, 1950. 18 min, sd, color.

Describes the preparation for the test detonations of atomic bombs at Eniwetok in the spring of 1948, and pictures the three detonations.

Borrow from USAEC. Buy from UWF. Cleared for TV. LC card FIE 53-130.

**Operation thunderbolt.**

MP, USA, 1947. 14 min, sd, b&w. (Pride of outfit series) Order no. MF 1295.

Demonstrates how picked men were trained for a special type of unit to police the American occupation zone of Germany--the U.S. Constabulary Forces.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1699.

**Operation vittles.**

MP, USAF, 1948. 15 min, sd, b&w. Order no. SFP 240.

A documentary film record of the operations of the U.S. Air Force in supplying blockaded Berlin by air. Explains how "operation vittles" was conducted, and shows the loading, flying, and delivery of supplies.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1418.



**Operations in sea ice: Convoy operations in sea ice.**

MP, USN, 1954. 23 min, sd, b&w.  
Order no. MN 7419-c.

Explains how to conduct Navy convoy operations in the Arctic, and shows how the convoy is organized, the use of caution in directing convoy movement, and how to use good ice seamanship. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 55-207.

**Operations in sea ice: Identification of sea ice.**

MP, USN, 1953. 13 min, sd, color.  
Order no. MN 7419-b.

Presents standard methods and terminology used in describing and classifying Arctic sea ice. Various types of ice are pictured and described by tracing the life cycle of sea ice and showing the formation of icebergs. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-379.

**Operations on a broaching machine series.**

See Machine shop work series.  
Operations on a broaching machine.

**Operations on a single face surfaces series.**

See Precision wood machining series. Operations on a single face surfacer.

**Operations on the band saw series.**

See Precision wood machining series. Operations on the band saw.

**Operations on the center-type grinder series.**

See Machine shop work series.  
Operations on the center-type grinder.

**Operations on the centerless grinding machine.**

See Machine shop work series.  
Operations on the centerless grinding machine.

**Operations on the cutter grinder.**

See Machine shop work series.  
Operations on the cutter grinder.

**Operations on the drill press series.**

See Machine shop work series.  
Operations on the drill press.

**Operations on the engine lathe series.**

See Machine shop work series.  
Operations on the engine lathe.

**Operations on the gear hobbing machine series.**

See Machine shop work series.  
Operations on the gear hobbing machine.

**Operations on the horizontal boring mill series.**

See Machine shop work series.  
Operations on the horizontal boring mill.

**Operations on the internal grinder series.**

See Machine shop work series.  
Operations on the internal grinder.

**Operations on the jointer series.**

See Precision wood machining series. Operations on the jointer.

**Operations on the metal cutting band saw series.**

See Machine shop work series.  
Operations on the metal cutting band saw.

**Operations on the milling machine.**

See Machine shop work series.  
Operations on the milling machine.

**Operations on the planer series.**

See Machine shop work series.  
Operations on the planer.

**Operations on the sander series.**

See Precision wood machining series. Operations on the sander.

**Operations on the shaper series.**

See Machine shop work series.  
Operations on the shaper.



**Operations on the spindle shaper.**  
See Precision wood machining series. Operations on the spindle shaper.

**Operations on the surface grinder series.**

See Machine shop work series. Operations on the surface grinder.

**Operations on the turret lathe series.**

See Machine shop work series. Operations on the turret lathe.

**Operations on the variety saw series.**

See Precision wood machining series. Operations on the variety saw.

**Operations on the vertical boring mill series.**

See Machine shop work series. Operations on the vertical boring mill.

**Operations on the vertical milling machine series.**

See Machine shop work series. Operations on the vertical milling machine.

**Operations on the wood lathe series.**

See Precision wood machining series. Operations on the wood lathe.

**Operative dentistry series, nos. 1-4.**

The rubber dam  
Cavity preparation  
Matrix  
Amalgam restoration

**Operative procedure for total urinary incontinence.**

MP, USA, 1952. 21 min, sd, color. Order no. PMF 5202.

A demonstration of the use of muscular transplant for controlled pressure upon the bladder to overcome urinary incontinence.

Borrow from USAFIP. LC card FIE 54-65.

**The operator and his job.**

MP, USOE, 1945. 12 min, sd, b&w. (Automotive series. Bus operation, no. 1) Order no. OE 491. With instructor's manual.

Illustrates three responsibilities of the bus operator; safety and comfort of his passengers, maintenance of schedules, and a courteous attitude toward passengers. Buy from UWF. LC card FIE 52-331.

**The operator and his job.**

FS, USOE, 1945. 31 fr, b&w. (Automotive series. Bus operation, no. 1) Order no. OE 491-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2789.

**The operator and his passengers.**

MP, USOE, 1945. 18 min, sd, b&w. (Automotive series. Bus operation, no. 2) Order no. OE 492. With instructor's manual.

Importance of good customer relations and ways of handling problems such as expired transfers, people who miss their stops, and getting passengers to move to the rear of a bus.

Buy from UWF. LC card FIE 52-332.

**The operator and his passengers.**

FS, USOE, 1945. 43 fr, b&w. (Automotive series. Bus operation, no. 2) Order no. OE 492-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2788.

**The operator and safety.**

MP, USOE, 1945. 19 min, sd, b&w. (Automotive series. Bus operation, no. 3) Order no. OE 493. With instructor's manual.

Importance of safety in bus operation; how to operate safely in passing cars, at intersections, at bus stop zones, and under special weather conditions.

Buy from UWF. LC card FIE 52-341.



**The operator and safety.**  
 FS, USOE, 1945. 71 fr, b&w.  
 (Automotive series. Bus operation, no. 3) Order no. OE 493-fs.  
 Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2798.

**Operator's adjustments, D-7 tractor series, nos. 1-6.**  
 Adjusting the Le Tourneau power control unit  
 Steering, clutch, and brake  
 Flywheel clutch and starting engine clutch  
 Fan belt and water pump  
 Tracks  
 Caterpillar cable control unit

**Operator's care and maintenance of materials handling equipment.**  
 MP, USA, 1945. 17 min, sd, b&w.  
 Order no. TF 10-2095.  
 Gives rules for the safe operation and maintenance of fork lift trucks.  
Borrow from USA. Buy from UWF. LC card FiE 52-1558.

**Optical craftsmanship series.**  
 Beveling, grooving, and rounding  
 Introduction to optics  
 Optical inspection methods, part 1  
 Optical inspection methods, part 2  
 Optical production methods

**Optical craftsmanship series. Flat surfaces.**  
 Fine grinding and polishing  
 Rough grinding  
 Rough grinding with a vertical surface grinder

**Optical craftsmanship series. Spherical surfaces.**  
 Centering, edge grinding, and beveling  
 Fine grinding  
 Pitch buttoning and blocking  
 Polishing  
 Rough grinding  
 Rough grinding by pin-bar  
 Rough grinding with a curvature generator

**Optical inspection methods, part 1.**  
 MP, USN, 1944. 26 min, sd, b&w.  
 (Optical craftsmanship series)  
 Order no. MN 2449-m.  
 Explains visual methods of inspection, the use of gages, the necessity for checking the gages, and the theory and use of Newton's rings as an inspection method.  
Buy from UWF. LC card FiE 52-1113.

**Optical inspection methods, part 2.**  
 MP, USN, 1944. 19 min, sd, b&w.  
 (Optical craftsmanship series)  
 Order no. MN 2449-n.  
 Explains methods of inspection of prisms and spherical lenses, and illustrates the use of the spectrometer.  
Buy from UWF. LC card FiE 52-1114.

**Optical production methods.**  
 MP, USN, 1944. 31 min, sd, b&w.  
 (Optical craftsmanship series)  
 Order no. MN 2449-o.  
 Describes organization and administration of an optical production shop on a mass production scale, including plant layout, training of personnel, need for inspection, classification of rejects, etc.  
Buy from UWF. LC card FiE 52-1115.

**Oral cancer: The problem of early diagnosis.**  
 MP, USPHS and ACS, 1953. 25 min, sd, color. With booklet.  
 Emphasizes techniques of biopsy in the diagnosis of cancer of the oral cavity, shows mouth examinations as they should be performed by dentists and physicians, and describes a series of case histories. For professional audiences.  
Borrow from ACS or USPHS-NCI. Buy from ACS. LC card FiE 55-44.

**Oral hygiene.**  
 MP, USN, 1942. 18 min, si, color or b&w. Order no. MN 318.



Demonstrates proper method of cleaning teeth, massaging the gums, using dental floss; and shows results of improper brushing. Discusses dentifrices and care of brush.

Borrow from USN-BuMed. Withdrawn from sale in 1954. LC card FIE 52-1024.

**Oral hygiene: Swab your choppers.**

MP, USN, 1948. 7 min, sd, color. Order no. MN 6602.

An animated cartoon illustrating the correct method of cleaning teeth.

Borrow from USN or USN-BuMed. Buy from UWF. Cleared for TV. LC card FIE 52-1299.

**Oral hygiene: Toothbrush technique.**

FS, USPHS, 1949. 30 fr, color with disc: 16 in, 33 1/3 rpm, 5 min. Order no. 5-135.

Discusses the importance of oral hygiene and of oral prophylaxis by a dentist or dental hygienist every six months, and demonstrates methods of home care of the teeth.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-945.

**Oral medications.**

MP, USN, 1943. 8 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-j.

Demonstrates the importance and procedure of giving the right amount of the right medicine at the right time to the right man.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-965.

**Oral prophylaxis by dental technologists.**

MP, USN, 1945. 19 min, sd, color. Order no. MN 3542.

Demonstrates scaling, massage, and tooth brushing. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1135.

**Orchard irrigation.**

MP, USDA, 1932. 27 min, si, b&w. Shows orchard irrigation prac-

tices including contouring and terracing, the use of pressure systems, basin irrigation, and overhead or sprinkler systems.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-442.

**Orchids.**

MP, USOIAA, 1942. 11 min, sd, color.

Shows the many varieties of orchids and other flowers of Latin America photographed in their natural color and setting.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-677.

**Ordnance service in an overseas theater.**

MP, USA, 1946. 37 min, sd, b&w. Order no. MF 1255.

Shows ordnance supply, service, maintenance, repairs, salvage, reclamation activities, utilization of personnel, and communications zone operations in the China-Burma-India theater of operations during World War II.

Borrow from USA. Buy from UWF. LC card FIE 52-1611.

**Oregon and its natural resources.**

MP, USBM, 1951. 30 min, sd, color. Order no. 242.

Portrays the mineral resources, mining operations, forests, agriculture, fisheries, recreation areas, and scenic views of Oregon.

Borrow from USBM. Cleared for TV. LC card FIE 52-670.

**The organs in health and disease series.**

The liver. Part 1: Normal histology of the human liver

The liver. Part 1: Normal histology of the human liver. Chapter 1: The hepatic parenchyma and the biliary passages.

The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver

The liver. Part 1: Normal histology of the human liver. Chap-



ter 3: Interrelationships of vessels and ducts  
The lung. Part 1: Comparative anatomy and normal histology

**Oriental prisoners of war.**  
MP, USA, 1951. 23 min, sd, b&w.  
Order no. FB 239.

Explains the handling of prisoners of war by United Nations forces in Korea--capture, evacuation, and internment in conformity with the provisions of the Geneva convention.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2050.

**Orientation: Fade parallel system and close-in procedure.**  
MP, USN, 1945. 9 min, sd, b&w. (Instrument flight control series)  
Order no. MN 1059-ab.

Points out advantages and shows how to use the fade parallel and close-in parallel methods or radio navigation.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1048.

**Orientation: The 90 degree method.**

MP, USN, 1945. 10 min, sd, b&w. (Instrument flight control series)  
Order no. MN 1059-b.

Shows when to use 90 degree method of radio range orientation; explains the effect of wind; and demonstrates the use of this method in a square sector, an open sector, and a closed sector.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1053.

**Orientation: The true fade system.**

MP, USN, 1945. 9 min, sd, b&w. (Instrument flight control series)  
Order no. MN 1059-aa.

Demonstrates how to accomplish the "true fade" method of radio range orientation, explains where and when it is most practical, and shows how the following features affect the method: square sector, closed sector, open sector, wind, terrain, and distance.

Borrow from USCAA film libraries. LC card FIE 54-277.

**Origin and synthesis of plastics materials.**

MP, USOE, 1945. 16 min, sd, b&w. (Plastics series, no. 1) Order no. OE 466. With instructor's manual.

Organic origin of plastics and the resemblance of synthetic compounds to natural substances; synthesis of plastics from natural substances; forms in which plastics are produced; and typical plastics products.

Buy from UWF. LC card FIE 52-305.

**Origin and synthesis of plastics materials.**

FS, USOE, 1945, 40 fr, b&w. (Plastics series, no. 1) Order no. OE 466-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2762.

**Oscillators.**

MP, USN, 1945. 13 min, sd, b&w. (Radio technician training series)  
Order no. MN 1540-1.

Explains the basic principles of electronic oscillation.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-913.

**Other examining techniques.**

FS, USA, 1946. 49 fr, b&w, with disc: 16 in, 33 1/3 rpm, 12 min. (Examining personnel for civilian employment series, no. 4) Order no. SFS 61-7.

Explains various examining techniques, including the use of biographical information forms, performance and aptitude tests, written and oral examinations, and interviews.

Buy from UWF. LC card FIE 52-2976.

**An ounce of prevention.**

MP, USCAA, 1952. 28 min, sd, color. Order no. CA 35.

Points out the importance of preventive maintenance in terms



of keeping airplanes ready for use on farms and ranches and by businessmen. Shows essential maintenance procedures for protecting airplanes.

Borrow from USCAA film libraries. Cleared for TV. LC card FIE 52-2021.

**Our American heritage.**

MP, US Defense, 1949. 10 min, sd, b&w. Order no. AFSR 107. On same reel with film, G.I. quiz, no. 5.

A brief review of the U.S. Constitution and particularly the Bill of rights.

Borrow from USA. Buy from UWF. LC card FIE 53-316.

**Our food and our health.**

MP, USA, 1948. 15 min, sd, color. Order no. TF 8-1476.

Shows that proper eating habits are a factor in maintaining the individual soldier's health and well being.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1518.

**Our health in your hands series.**

Germs take pot luck  
In hot water  
Safe food for safe health  
Service with a smile

**Our neighbors down the road.**

MP, USOIAA, 1942. 43 min, sd, color.

Records a trip by automobile along the route of the Pan American Highway from Caracas to Santiago, Buenos Aires, and Rio de Janeiro, including a side trip to the Straits of Magellan.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-678.

**Our stand in Korea.**

MP, US Defense, 1950. 22 min, sd, b&w. Order no. AFSR 121.

Chronological report of the Korean crisis from the assault on the Republic of Korea by North Korean forces, June 24, 1950, to July 8, 1950. President Truman's statement of American determi-

nation to preserve the freedom of South Korea.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1412.

**Our town builds an airport.**

MP, USCAA, 1948. 36 min, sd, color or b&w. Order no. CA 16. Shows how an average community built its own airport with the aid of funds and technical assistance provided under the terms of the Federal Airport Act.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2020.

**Our town is our classroom.**

MP, USA-CAD, 1951. 22 min, sd, b&w.

Shows pupils learning about the government of their town by sitting in on the town's council meetings, listening to court sessions, and attending meetings of citizens and public officials. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-1938.

**Our white pine heritage.**

MP, USDA, 1948. 14 min, sd, color.

Shows the value of the white pine forests in the New England states, the effects of white pine blister rust (a fungus disease) and the efforts being made in this region to control and eradicate the disease.

Borrow from USFS, BR. Buy from UWF. LC card FIE 52-452.

**Out of the darkness.**

MP, USIA, 1952. 20 min, sd, b&w. Focuses upon adult education in India, emphasizes the effects of illiteracy, and shows instances of increased interest in education through exhibits and the opening of night classes. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-503.

**Outbreak.**

MP, USDA, 1949. 30 min, sd, color or b&w.



Traces the history of foot-and-mouth disease; explains what happened in the 1929 outbreak in California; and shows the co-operative measures used by the Mexican and United States Governments in combatting the outbreak of 1949.

Rent from USDA film libraries.  
Buy from UWF. LC card FIE 52-460.

**An outbreak of Salmonella infection.**

MP, USPHS, 1954. 14 min, sd, color. (Food handling series) Order no. M 148-a.

Study case of a stimulated typical outbreak of food-borne illness caused by organisms of the Salmonella group. Source and means of contamination; factors contributing to the survival and transfer of the organism; important conditions of environment and general food handling practices; and effects of the outbreak.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-345.

**An outbreak of Staphylococcus intoxication.**

MP, USPHS, 1954. 12 min, sd, color. Order no. M 148-b.

Presents a case study of a typical outbreak of food-borne illness caused by Staphylococcus organisms, including symptoms of the victims, tracing the source of the organisms as Staphylococcus aureus in the pastry filling, and the reasons for the incidence of the organisms in the food.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 55-36.

**Outloading of Diesel locomotives.**

MP, USA, 1952, 13 min, sd, b&w. Order no. FB 248.

Presents the problems and proper techniques for loading Diesel locomotives aboard a cargo ship. Emphasizes the importance of teamwork and of stevedoring "know-how."

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2051.

**Over to you.**

MP, USECA, 1950. 18 min, sd, b&w.

A report on the British hostery industry team's visit to the United States under the Technical assistance program, showing the members being briefed before leaving, visiting factories in the United States, and making their report upon return to Great Britain. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-569.

**Overhauling camshaft assembly and crankcase section.**

MP, USOE, 1945. 19 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 270. With instructor's manual.

How to inspect the camshaft and gear case cover assembly parts; inspect and recondition the crankcase section; measure crankcase bearings; and inspect and recondition the remaining parts.

Buy from UWF. LC card FIE 52-149.

**Overhauling camshaft assembly and crankcase section.**

FS, USOE, 1945. 42 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 270-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2608.

**Overhauling crankshaft assembly.**

MP, USOE, 1945. 19 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 269. With instructor's manual.

How to clean the parts of a disassembled engine; inspect and recondition crankshaft assembly parts; determine clearances and check for out-of-round; and check the clearances against specifications.

Buy from UWF. LC card FIE 52-150.



**Overhauling crankshaft assembly.**  
FS, USOE, 1945. 41 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 269-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2609.

**Overhauling the carburetor.**

MP, USOE, 1945. 23 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 267. With instructor's manual.

How to remove the carburetor assembly from the engine; disassemble, clean, inspect; and reassemble the carburetor; check the fuel level; and reinstall the carburetor assembly.

Buy from UWF. LC card FIE 52-251.

**Overhauling the carburetor.**

FS, USOE, 1945. 48 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 267-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2629.

**Overseas duty.**

MP, US Defense, 1950. 20 min, sd, b&w. Order no. AFIF 2.

Points out to military personnel the importance of an overseas assignment, problems that will be encountered in the various overseas commands and occupied countries, and the proper conduct to be observed by individual soldiers.

Borrow from USA or USAF. LC card FIE 55-173.

**Overseas mission.**

MP, USA, 1946. 10 min, sd, b&w. Order no. OF 18.

Outlines some of the duties of the armies of occupation following World War II in preserving the security of the United States and the peace of the world.

Buy from UWF. LC card FIE 52-1715.

**Overtaking at night.**

MP, USN, 1943. 15 min, sd, color. (Rules of the nautical road series) Order no. MN 202-q.

Illustrates the correct use of whistle signals in overtaking situations on the ocean and in inland waters.

Buy from UWF. LC card FIE 52-947.

**Overtaking situation.**

MP, USN, 1943. 15 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-n.

Gives whistle signals to be used when overtaking on the ocean, in inland waters, and in narrow channels; and demonstrates examples of their use.

Buy from UWF. LC card FIE 52-944.

**Ovulation, fertilization, and early development of the mammalian egg.**

MP, USDA, 1935. 27 min, si, b&w. Sound revision released in 1937 with the title, In the beginning.

Shows by means of time-lapse cinematography the ovulation, fertilization, and early development of the mammalian (rabbit) egg.

Rent from USDA film libraries.  
Buy from UWF. LC card FIE 52-458.

**Oxyacetylene welding series.**

See Welding procedures series.  
Oxyacetylene welding.

**The oxy-acetylene flame, master of metals.**

MP, USBM, 1950. 19 min, sd, color. Order no. 238.

Shows how oxygen and acetylene are blended to form a flame to cut, weld, solder, brass, and harden metal. Demonstrates the forming of teeth on tractor gears, welding gray cast iron, hardening the working edge of plows, and joining metals by fusing melted bronze.

Borrow from USBM. Cleared for TV. LC card FIE 52-666.



**Oxy-acetylene welding: Light metal.**

MP, USOE, 1944. 21 min, sd, b&w. (Welding procedures series. Oxyacetylene welding, no. 1) Order no. OE 190. With instructor's manual.

How to assemble a gas welding outfit; adjust gas pressures; adjust the flame; and make a butt weld and a T weld in light tubing. Buy from UWF. LC card FIE 52-293.

**Oxy-acetylene welding: Light metal.**

FS, USOE, 1944. 41 fr, b&w. (Welding procedures series. Oxyacetylene welding, no. 1) Order no. OE 190-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2750.

**Oxygen equipment.**

FS, USAF, 1943. 80 fr, b&w. Order no. FS 1-235.

Explains the operation, inspection, and maintenance of oxygen equipment such as cylinders, valves and tubing, regulators, indicators, masks and mouthpieces, and auxiliary equipment. Borrow from USCAA film libraries. LC card FIE 53-1021.

**Oxygen equipment: Servicing equipment in the airplane.**

MP, USAF, 1943. 11 min, sd, b&w. Order no. TF 1-488.

Demonstrates how to replace and refill oxygen tanks used in different types of airplanes. Borrow from USCAA film libraries. LC card FIE 53-422.

**Oxygen equipment: Servicing the high pressure removable cylinder.**

MP, USAF, 1943. 10 min, sd, b&w. Order no. TF 1-489.

Demonstrates how to refill oxygen tanks and the precautions necessary to prevent moisture and oil from getting into the fittings.

Borrow from USCAA film libraries. LC card FIE 53-421.

**Oxygen equipment: Types and use at high altitudes.**

MP, USAF, 1942. 20 min, sd, b&w. Order no. TF 1-487.

Discusses the characteristics and operation of Air Forces oxygen masks A-7 nasal, A-8 and A-8-A oral nasal, A-8-B twin turret, and A-10 demand types, and shows how to adjust and use each one properly.

Borrow from USCAA film libraries. LC card FIE 53-423.

**PVA-fixative technique in the diagnosis of amebiasis.**

FS, USPHS, 1950. 72 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. Order no. 5-153.

Demonstrates a method of preserving fecal specimens in PVA fixatives, examination of specimens, and shipment of specimens. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-960.

**Pacific area series.**

See Theatres of war series. Pacific area.

**Pacific enemy, malaria.**

MP, USN, 1944. 11 min, sd, color. (Medicine in action series, part I) Order no. MN 3726-a.

Covers suppressive therapy such as malaria discipline and value of atabrine, and control measures such as elimination of pools of water, spraying of water, cutting of underbrush, and treatment of natives.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-990.

**Pacific halibut fishing.**

MP, USFWS, 1949. 16 min, sd, color.

Explains and portrays the methods used in a North Pacific halibut fishery, and the work on a fishing vessel in fishing grounds off Alaska.

Borrow from USFWS. Buy from UWF. LC card FIE 53-129.

**Pacific milk run.**

MP, USMC, 1945. 17 min, sd, b&w. Order no. MH 5574.



Story of Marine Corps air patrols in the Pacific, including a routine day on a "milk run" bombing by-passed Japanese-held islands. Borrow from USMC. LC card FiE 54-322.

**Pacific pathways.**

MP, US Defense, 1948. 20 min, sd, b&w. Order no. AFSR 93. A pictorial review of the Pacific campaign under General MacArthur, from Australia to Japan in World War II.

Borrow from USA. Buy from UWF. LC card FiE 52-1400.

**Packaging and packing: Domestic shipping containers.**

FS, USA, 1954. 41 fr, b&w, with disc: 16 in; 33 1/3 rpm, 22 min. Order no. SFS 38-29.

Discusses and illustrates the common types of containers used for domestic transportation of military supplies including nailed wood, wire bound, plywood, and fiberboard boxes, metal pails, and fiberboard drums.

Buy from UWF. Cleared for TV. LC card FiE 54-805.

**Packaging and packing: Export shipping containers.**

FS, USA, 1954. 41 fr, b&w, with disc: 16 in, 33 1/3 rpm, 20 min. Order no. SFS 38-28.

Discusses and illustrates the common types of containers used to export military supplies, including nailed wood, wire bound, plywood and fiberboard boxes and metal containers, and fiberboard drums.

Buy from UWF. Cleared for TV. LC card FiE 54-804.

**Packaging and packing method 1A-8; Greaseproof, water-proof, water-vaporproof bag, sealed.**

FS, USA, 1954. 32 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. Order no. SFS 38-24.

Explains the use of corrosion compounds and sealed barriers by the U.S. Army in the preservation of items for shipment or storage.

Borrow from USA. LC card FiE 55-537.

**Packaging and packing: Methods of preservation.**

FS, USA, 1954. 55 fr, b&w with disc: 16 in, 33 1/3 rpm, 16 min. Order no. SFS 38-26.

Discusses methods used by the U.S. Army in preparing articles for shipment or storage, including corrosion prevention compounds, greaseproof wrappers, and dry air.

Borrow from USA. LC card FiE 55-538.

**Packing and processing dentures.**

FS, USN, 1949. 48 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-g.

Shows how acrylic material is mixed and packed in the mold and then processed in moist or dry heat. For dental personnel. Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1813.

**Packing the T-10 troop parachute.**

MP, USA, 1954. 33 min, sd, b&w. Order no. TF 10-1945.

Demonstrates in detail the packing of the T-10 troop parachute including preliminary inspection, removal of debris, shakeout, removal of inverstions, removal of tangles and twists, panel folding, tying the breakcord, stowing canopy, closing the bag and suspension lines, placing the bag on pack, closing the pack, stowing the static line, and complete inspection.

Borrow from USA. LC card FiE 54-447.

**Painting ships bottoms: Hot and cold plastic anti-fouling paint.**

MP, USN, 1944. 10 min, sd, color. Order no. MN 2528-b.

Explains favorable conditions for painting, how to prepare paint, safety measures, and advantages of plastic paints.

Buy from UWF. LC card FiE 52-1083.



**Painting ships bottoms: Sand-blasting.**

MP, USN, 1944. 12 min, sd, color.  
Order no. MN 2528-a.

Shows how to set up and use continuous and intermittent sand-blast equipment, and how operator is clothed.

Buy from UWF. LC card FiE 52-1082.

**Pan American bazaar.**

MP, USOIAA, 1942. 9 min, sd, color.

Shows arts and crafts products from South and Central America that were displayed in a Pan American exhibition in Macy's department store in New York.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-679.

**Parachutes: Adjustment of the harness.**

MP, USAF, 1942. 12 min, sd, b&w.  
Order no. TF 1-541.

Shows how the parachute harness is fitted to the individual and then sewed so that it will stay in adjustment.

Borrow from USCAA film libraries. LC card FiE 53-410.

**Parachutes: Construction and types.**

MP, USAF, 1942. 10 min, sd, b&w. Order no. TF 1-536.

Gives an overall survey of the use, manufacture, packing, and construction of parachutes, and shows five methods of attaching the parachute to the body.

Borrow from USCAA film libraries. LC card FiE 53-412.

**Parachutes: Folding and packing the service seat parachutes.**

MP, USAF, 1942. 16 min, sd, b&w.  
Order no. TF 1-537.

Explains step-by-step procedures in servicing the service seat-type parachute and shows how to unpack and pack the chute.

Borrow from USCAA film libraries. LC card FiE 53-411.

**Parachutes: Maintenance.**

MP, USAF, 1942. 16 min, sd, b&w.  
Order no. TF 1-542.

Demonstrates routine inspection of parachutes including step-by-step procedures in making the various kinds of repairs, and covers drop-testing, cleaning canopies, storage methods, and packing for shipment.

Borrow from USCAA film libraries. LC card FiE 53-409.

**Parachutes: Use of the parachutes.**

MP, USAF, 1942. 8 min, sd, b&w.  
Order no. TF 1-543.

Warns about keeping parachutes free of oil, grease, etc. Demonstrates how to jump from a plane, how to land in trees and in water, and how to collapse the parachute after landing.

Borrow from USCAA film libraries. LC card FiE 53-408.

**Paraguay.**

MP, USOIAA, 1945. 17 min, sd, b&w.

Shows Paraguay and its people, the Indian culture of the country, and the quebracho and mate industries.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-728.

**Parasitology series.**

Infective larvae of *Wuchereria bancrofti*

Microfilariae of *Wuchereria bancrofti*

Miracidia of *Schistosoma japonicum*

Movements of *Endamoeba histolytica*

**Paratroops.**

MP, USOWI, 1943. 10 min, sd, b&w.

Shows the training given paratroops in how to jump, fall, guide a chute, land, and recover ready for action.

Buy from UWF. LC card FiE 52-747.

**Paricutin.**

MP, USAF, 1949. 23 min, sd, b&w.  
Order no. SFP 232.

Documentary film record of the 1946 research expedition to the



volcano, Paricutin, in Mexico. Includes scenes of the volcano and the lava flow as well as scenes of the crater and the erupting volcano taken from a helicopter.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1422.

**Parking of aircraft.**

FS, USAF, 1944. 54 fr, b&w. Order no. FS 1-872.

Describes the hand signals and procedures for taxiing, parking, and dispatching aircraft.

Borrow from USCAA film libraries. LC card FIE 53-998.

**Partial dentures: Biomechanics.**  
MP, USN, 1951. 15 min, sd, color. Order no. MN 6721.

Demonstrates the influence of forces of mastication on the design of partial dentures by dividing parts of partial dentures into bracing, supporting, and retaining elements. Emphasizes important construction details.

Borrow from USN or USN-Bu Med. Buy from UWF. Cleared for TV. LC card FIE 52-1488.

**Partial neurorrhaphy of the sciatic nerve in the buttock.**

MP, USA, 1946. 12 min, sd, color. Order no. PMF 5104.

Points out precautions essential to proper surgical management in the case of an injury to the peroneal component of the sciatic nerve resulting from a bullet wound. For medical personnel.

Borrow from USAFIP. LC card FIE 53-43.

**Pass in review.**

MP, USA, 1949. 11 min, sd, b&w. Order no. MF 7552.

Shows how the U.S. Army works for national security, covering recent events in airborne, amphibious, and cold weather training, as well as the Army's role in European and Pacific occupation.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1623.

**Passengers, driving hazards, safety.**

MP, USOE, 1945. 14 min, sd, b&w. (Automotive series. School bus operation, no. 2) Order no. OE 495. With instructor's manual.

Driver's responsibility for the safety of child passengers; safe driving habits and safety in handling children getting on and off the bus.

Buy from UWF. LC card FIE 52-330.

**Passengers, driving hazards, safety.**

FS, USOE, 1945. 41 fr, b&w. (Automotive series. School bus operation, no. 2) Order no. OE 495-fs.

Supplements motion picture of same title.

Buy from UWF. LC card FIE 52-2790.

**Los pastos.**

MP, USDA, 1940. 10 min, sd, b&w. Spanish version of motion picture with title, Grassland.

Shows the effects of overgrazing on the ranges of the western United States and the results of erosion on overgrazed land; and explains conservation methods necessary to protect the soil.

Buy from UWF. LC card FIE 52-415.

**Patagonian playground.**

MP, USOIAA, 1942. 10 min, sd, color.

Shows the national park of Nahuel Huapi on the eastern slope of the Andes in Argentina, and the recreational activities in the park.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-734.

**Patching fabric.**

MP, USOE, 1945. 22 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 250. With instructor's manual.

How to cut out and prepare the damaged area; prepare, dope, rib-stitch, and finish a patch.

Buy from UWF. LC card FIE 52-268.



**Patching fabric.**

FS, USOE, 1945. 46 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 250-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2654.

**Patching plywood.**

MP, USOE, 1945. 26 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 249. With instructor's manual.

How to splay the edge of a hole; prepare and apply a splayed patch; make a flush or plug-type patch; make a frame or doubler; and apply a flush patch.

Buy from UWF. LC card FiE 52-273.

**Patching plywood.**

FS, USOE, 1945. 48 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 249-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2732.

**Patching small holes in fabric.**

FS, USN, 1943. 24 fr, b&w. (Fabric repairs series) Order no. SN 1994-a.

Shows how small holes in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.

Buy from UWF. LC card FiE 52-1767.

**Patching the L, T, and X type tears in fabric.**

FS, USN, 1943. 13 fr, b&w. (Fabric repairs series) Order no. SN 1994-b.

Shows how L, T, and X type tears in airplane fabric are repaired; how the fabric should be prepared and a patch cut and applied to the fabric.

Buy from UWF. LC card FiE 52-1768.

**The pathology of schistosomiasis mansoni.**

MP, USPHS, 1948. 2 min, sl, b&w. (Schistosomiasis mansoni study films) Order no. 4-068.

Views of pathological specimen material from chronic schistosomiasis.

Borrow from USPHS-CDC. LC card FiE 53-191.

**Pátzcuaro.**

MP, USOIAA, 1943. 11 min, sd, color.

Pictures a day in the life of the Tarascan Indians on the shore of Lake Patzcuaro west of Mexico city.

Rent from USOIAA film libraries.

Buy from UWF. LC card FiE 52-684.

**Paul Bunyan had a son.**

MP, USDA, 1949. 14 min, sd, color.

Shows the value of the white pine forests in the Great Lakes States, the effects of white pine blister rust (a fungus disease) and the efforts being made in this region to control and eradicate the disease.

Borrow from USFS-BR. Buy from UWF. LC card FiE 52-451.

**Peace through strength.**

MP, USAF, 1954. 14 min, sd, b&w. Order no. SFP 276.

Air Force planning of material requirements and the tests which must be made of equipment. Stresses that the price of peace is strength through air power.

Borrow from USAF. Cleared for TV. LC card FiE 54-392.

**Penetrating wounds of the abdomen.**

MP, USN, 1953. 14 min, sd, color. Order no. MN 7470.

Demonstrates five steps for handling penetrating wounds of the abdomen: make a speedy and accurate diagnosis, keep the patient on his back, apply a sterile dressing, treat for shock, and prepare for speedy evacuation.

Buy from UWF. LC card FiE 54-448.

**People of two worlds.**

MP, USOIAA, 1942. 10 min, sd, color.



Shows the ancient Mayan ruins of Yucatan and the Mayan Indians of today. Contrasts the two civilizations.

Rent from USOLAA film libraries.  
Buy from UWF. LC card FIE 52-731.

**Perforacion micrometrica.**

MP, USOE, 1945. 17 min, sd, b&w. Order no. OE 59-Sp. Spanish version of motion picture with title. Boring to close tolerances.

How to mount and adjust the brass valve bonnet in a ring fixture; rough- and finish-face the hub; rough- and finish-bore the hole to close tolerances; and prevent bellmouth when boring a hole.

Buy from UWF. LC card FIE 51-544.

**Perfuracao micrometrica.**

MP, USOE, 1945. 17 min, sd, b&w. Order no. OE 59-Port. Portuguese version of motion picture with title. Boring to close tolerances.

How to mount and adjust the brass valve bonnet in a ring fixture; rough- and finish-face the hub; rough- and finish-bore the hole to close tolerances; and prevent bellmouth when boring a hole.

Buy from UWF. LC card FIE 51-543.

**The periodic check-up.**

MP, USOE, 1945. 18 min, sd, b&w. (Automotive operation and maintenance series. Automobile operation, no. 4) Order no. OE 489. With instructor's manual.

Tuning up the engine, checking and adjusting the brake system, and inspecting the steering system, chassis, and body.

Buy from UWF. LC card FIE 52-343.

**The periodic check-up.**

FS, USOE, 1945. 36 fr, b&w. (Automotive operation and maintenance series. Automobile operation, no. 4) Order no. OE 489-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2800.

**Periodic functions.**

MP, USN, 1945. 17 min, sd, b&w. (Radio technician training series) Order no. MN 1540-o.

Defines periodic functions; illustrates the graphing of sine angles; and relates sine waves to the amount of voltage produced by a generator.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-914.

**Periodic inspection: Airplane.**

MP, USOE, 1945. 17 min, sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 282. With instructor's manual.

Importance and meaning of thoroughness in performing a periodic inspection, showing a complete detailed inspection of an aileron as an example.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-155.

**Periodic inspection: Airplane.**

FS, USOE, 1945. 51 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 282-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2611.

**Periodic inspection: Engine.**

MP, USOE, 1945. 23 min, sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 283. With instructor's manual.

How to inspect the general condition of an engine; examine internal parts; check ignition and fuel system; examine the propeller; and prepare an engine for run-up.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-257.

**Periodic inspection: Engine.**

FS, USOE, 1945. 40 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 283-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE<sup>0</sup> 52-2624.

#### Periodontia.

MP, USN, 1948. 19 min, sd, color. Order no. MN 5370.

Surgical technique for cases not requiring removal of teeth; preparation of patient; instruments required, anesthesia, operative routine, and postoperative treatment. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1354.

#### Peripheral nerve surgery, Part 1: Sciatic nerve.

MP, USA, 1947. 33 min, sd, color. Order no. PMF 5061.

Shows the management of a typical peripheral nerve injury case of the World War II period, including preoperative, surgical, postoperative, and follow-up care.

Borrow from USAFIP. LC card FIE 54-41.

#### Perishable rush.

MP, USAF, 1945. 20 min, sd, b&w. Order no. SFP 215.

Shows how the Army Air Forces during World War II flew wounded men from Pacific battle areas to hospitals and home towns in the United States.

Borrow from USAF. LC card FIE 54-323.

#### Permanent ditch linings.

FS, USPHS, 1945. 107 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. Order no. 5-034.

Demonstrates the techniques of constructing monolithic concrete linings in ditches to prevent erosion.

Borrow from USPHS-CDC. LC card FIE 53-902.

#### Peroneal nerve anastomosis at the knee.

MP, USA, 1948. 7 min, sd, color. Order no. PMF 5088.

Demonstrates a case of the peroneal nerve severed at the bend of the knee with evident

foot drop and loss of sensation on the dorsum of the foot. Shows the technique used to effect repair. For medical personnel.

Borrow from USAFIP. LC card FIE 53-52.

#### Personal cleanliness.

MP, USN, 1945. 5 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-f.

Animated cartoon in which "Mac Gillicuddy" refuses to bathe and suffers the ignominy of being bathed in a native kettle.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1173.

#### Personal encounter.

MP, USA, 1951. 60 min, sd, b&w. Order no. TF 19-1634.

Shows ten aspects of hand-to-hand fighting; principles of Judo, falling correctly, throwing, following-through, defense against body holds, defense against choke holds, taking prisoners, defense against wrestling holds, defense against knife or club, and offensive use of the police riot club. For law enforcement groups.

Borrow from USA. Buy from UWF. LC card FIE 54-252.

#### Personal health in the jungle.

MP, USA, 1944. 15 min, sd, b&w. Order no. TF 8-2057.

Instructs the soldier how to take care of his health under jungle conditions.

Borrow from USAFIP. LC card FIE 54-87.

#### Personal hygiene for women, part 1.

MP, USN, 1943. 45 min, sd, b&w. Order no. MN 1712-a.

Discusses the importance of proper diet, rest, and recreation; shows foundation garments as factors in fatigue; illustrates the care of feet, hands, hair, and teeth; stresses the importance of bodily cleanliness and explains how to avoid and alleviate constipation; describes the reproduction organs, and precautions to be taken during menstruation and dysmenorrhea.



Borrow from USN-BuMed. LC card FIE 54-123.

**Personal hygiene for women, part 2.**

MP, USN, 1943. 32 min, sd, b&w. Order no. MN 1712-b.

Describes the hygienic measures necessary to prevent the spread of contagious diseases. Dramatizes and shows in an experiment how a cold may be spread among naval personnel. Points out the prevalence of venereal disease, and explains the cause, symptoms, cure, and prevention of syphilis, gonorrhoea, and chancre.

Borrow from USN-BuMed. LC card FIE 54-124.

**Personal traits analysis.**

FS, USA, 1946. 53 fr, b&w, with disc: 16 in, 33 1/3 rpm, 14 min. (Examining personnel for civilian employment series, no. 2) Order no. SFS 61-5.

Demonstrates a personal traits analysis for the job requirements of a fork lift operator.

Buy from UWF. LC card FIE 52-2974.

**Personal damage control series.**

Artificial respiration

Bomb blast and burns

Fractures

Fundamentals of first aid

Heat exhaustion, sunstroke, and burns

Wounds

**Peru.**

MP, USOIAA, 1945. 21 min, sd, b&w.

Shows modern social and economic life in Peru.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-724.

**Peru's coastal region.**

MP, USOIAA, 1943. 11 min, sd, color.

Shows the cities, agriculture, and people of Peru's Pacific coastal plain.

Rent from some USOIAA film libraries. Buy from UWF. LC card FIE 52-723.

**La pesta alada.**

MP, USOIAA, 1943. 10 min, sd, color. Spanish version of motion picture with title, Winged scourge.

Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs. Buy from USOIAA. Cleared for TV. LC card FIE 52-509.

**Petroleum and its uses.**

MP, USBM, 1943. 42 min, sd, b&w. Order no. 202.

Portrays the principal uses of petroleum products in the daily life of an average American family, and describes the production and uses of petroleum products.

Borrow from USBM. Cleared for TV. LC card FIE 52-632.

**Petroleum supply point operations.**

MP, USA, 1951. 27 min, sd, b&w. Order no. TF 10-1742.

Shows the operational mission of a petroleum supply unit in the Quartermaster Corps; demonstrates the use of all types of cleaning, dispensing, and storage equipment; and stresses fire hazards and safety precautions.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2008.

**Philippine Islands.**

FS, USN, 1944. 97 fr, color with disc: 16 in, 33 1/3 rpm, 19 min. (Theatres of war series. Pacific area) Order no. SN 1538-t.

Discusses the three major areas (Luzon, Visayan, Mindanao); the weather, terrain, location of cities and islands, edible food, fish, and animals; how to pick sleeping quarters; and how to protect oneself from pests.

Buy from UWF. LC card FIE 52-1762.

**The Philippines.**

MP, US Defense, 1953. 15 min, sd, b&w. Order no. AFIF 48.

Pictorial study of the Philippines, covering its geography, political



history, people, religions, industries, government, activities in World War II, and its current role in world affairs.

Borrow from USA or USAF.  
Cleared for TV. LC card FiE 55-171.

**The photographer.**

MP, USIA, 1948. 26 min, sd, b&w.

Personality, philosophy, techniques, and artistry of Edward Weston, a contemporary American photographer, illustrated through scenes of Weston at his home in California and on location, working and talking with his students, and through exhibitions of his portraits. Prepared for overseas use.

Buy from UWF. LC card FiE 52-154.

**Photos and photomaps.**

MP, USA, 1953. 23 min, sd, b&w. (Basic map reading series, no. 5) Order no. TF 5-1792.

Explains how to identify terrain features on photos and photomaps by size, shape, shadow, relative tone, and relation to surrounding features.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-480.

**Physical examination for Navy flying personnel, part 1.**

MP, USN, 1943. 19 min, sd, b&w. Order no. MN 2396-a.

Shows procedure and use of instruments in making associated parallel movement, reaction to light, visual acuity, depth perception, muscle balance, accommodation, color, and visual field eye tests.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1078.

**Physical examination for Navy flying personnel, part 2.**

MP, USN, 1943. 14 min, sd, b&w. Order no. MN 2396-b.

How to give nose, throat, and ear test; dental, height, weight and chest check; coordination and exercise tests based on cardio-

vascular system; standing and recumbent blood test; and psychology test.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1079.

**Physical fitness for Waves: Make-up from the neck down.**

MP, USN, 1944. 20 min., sd., b&w. Order no. MN 2651.

Presents a physical fitness program designed to persuade Waves to exercise; points out value of sports but stresses the greater value of planned exercises and illustrates some of these exercises.

Buy from UWF. LC card FiE 52-1092.

**Physical fitness program for the U.S. Navy.**

MP, USN, 1942. 25 min, sd, b&w. Order no. MN 1138.

Shows some of the exercises given the naval trainee and correlates their value with the varied duties he will be called upon to perform afloat.

Buy from UWF. LC card FiE 52-1025.

**Physical fitness training series.**

Navy standard physical fitness test

Navy standard swimming tests and abandoning ship drills

**Physical medicine service.**

MP, USA, 1948. 16 min, sd, b&w. Order no. PMF 5072.

Explains the U.S. Army's program (1948) in the field of physical medicine rehabilitation, the organizational relationships and professional role of the staff in a typical hospital, and factors governing the type, frequency, and duration of treatment.

Borrow from USAFIP. LC card FiE 53-64.

**Physical therapy in the treatment of amputations.**

FS, USA, 1944. 73 fr, b&w. Order no. FS 8-85.

Explains procedures to be used in massage, pressure exercise,



static and active resistive exercise, bandaging of major type amputations, and the care of bandages.

Borrow from USAFIP. LC card FiE 53-811.

**Physiology of high altitude flying.**  
MP, USAF, 1942. 35 min, sd, b&w. Order no. TF 1-313.

Shows how impairment of the faculties is caused by a lack of oxygen; demonstrates the use of different types of high-altitude dress; and explains what happens in aeroembolism and anoxia.

Borrow from USCAA film libraries. LC card FiE 53-434.

**Physiology of high altitude flying.**  
MP, USN, 1948. 13 min, sd, color. Order no. MN 5311.

A cartoon character named Stanley illustrates the dangers of high altitude flying and is enlightened on the standard safety precautions.

Borrow from USN-BuMed. LC card FiE 54-296.

**Pick your chances: Sick bay.**  
MP, USN, 1944. 19 min, sd, b&w. (Recruit training series) Order no. MN 2222-e.

Describes the Navy's medical facilities; stresses the importance of reporting illness at an early stage; explains why there is no need to fear hypodermic needles; and discusses the availability of combat medics.

Borrow from USN-BuMed. LC card FiE 54-125.

**Pickups, carries, and drags.**  
FS, USFCDA, 1953. 54 fr, b&w. Order no. STF 3.

Shows how to use a one-man crutch assist, two-man crutch assist, fireman's drag, pack strap carry, incline drag, and other methods of moving injured persons.

Buy from SVE. LC card FiE 55-513.

**Pigeon holes and progress.**  
MP, USPO, 1953. 20 min, sd, b&w.

Portrays the course of a letter through the postal system from sender to receiver, and explains briefly the more important features of the handling of mail of other types.

Borrow from MTP. Buy from Wright. Cleared for TV. LC card FiE 53-488.

**Piloting series.**

The azimuth circle and pelorus  
Barometer, hygrometer, clinometer

Compensating the compass

Correcting the compass

Dividers, parallel rulers, protractors

The fathometer

Instruments used in piloting

The log

The magnetic compass

Radio direction finder

The sextant

Test

Time pieces

**Piloting, surface.**

MP, USN, 1943. 33 min, sd, b&w. (Navigation series) Order no. MN 83-h.

Stresses the importance of accurate piloting and discusses briefly the use of the bearing circle, compass repeater, and alidade in securing bearings.

Buy from UWF. LC card FiE 52-980.

**Pilotless aircraft research.**

MP, USNACA, 1952. 10 min, sd, color. With lecture notes.

Shows through slow-motion photography launchings of research rocket models representing different fields of research connected with guided missiles at the NACA Pilotless Aircraft Research Division, Wallops Island, Va. Explains the characteristics of each model and the method of observing its performance in flight. For use by technical personnel and aeronautical students.

Borrow from USNACA. LC card FiE 54-208.

**Pilotless aircraft research.**

MP, USNACA, 1952. 20 min, si at sd speed, color. With lecture notes.



Covers same material as in sound motion picture with the same title.

Borrow from USNACA. LC card FiE 54-209.

**Pilots for NATO.**

MP, US Defense, 1953. 20 min, sd, b&w. Order no. RTAF 146.

Shows cadets from NATO (North Atlantic Treaty Organization) nations training, under the Mutual defense assistance program, as combat pilots at American air bases.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 53-160.

**Pine ways to profit.**

MP, USDA, 1939. 20 min, sd, b&w.

Shows the industrial uses of southern pine and emphasizes the importance of "sustained-yield" cutting and proper conservation methods. Includes scenes of the making of paper and the distillation of turpentine.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-417.

**Pinta.**

MP, USA, 1948. 18 min, sd, color. Order no. PMF 5071.

Gives the diagnosis and spirochetal etiology of pinta, a chronic disfiguring skin disease, as manifested in its various stages. Tells of arsenical and penicillin therapy yielding good results in the treatment of this disease. For medical personnel.

Borrow from USAFIP. LC card FiE 53-65.

**The Pioneer bubble sextant, Mark 5, part 1.**

MP, USN, 1944. 15 min, sd, b&w. (Navigation series) Order no. MN 83-ab.

Explains how to use the Pioneer bubble sextant; the optical and bubble horizon systems, and how to read the scale.

Buy from UWF. LC card FiE 52-988.

**The Pioneer bubble sextant, Mark 5. Part 2: Averaging device, adjustments, and practical, use.**

MP, USN, 1944. 15 min, sd, b&w. (Navigation series) Order no. MN 83-ac.

Shows how to use the Pioneer bubble sextant AN-5851, Mark 5 with the averaging device; and explains the practical use of the sextant for sun and star observations.

Buy from UWF. LC card FiE 52-989.

**Pipe fabrication with jigs.**

MP, USOE, 1944. 22 min, sd, b&w. (Shipbuilding skills series. Pipefitting, no. 7) Order no. OE 122. With instructor's manual.

Purpose of the jig; how to lay out and assemble targets for a jig; set targets and hangers using a pipe section as a template; and fabricate pipe on the jig.

Buy from UWF. LC card FiE 52-246.

**Pipe fabrication with jigs.**

FS, USOE, 1944. 48 fr, b&w. (Shipbuilding skills series. Pipefitting, no. 7) Order no. OE 122-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2714.

**Pipefitting series.**

See Shipbuilding skills series. Pipefitting.

**The pipette.**

FS, USPHS, 1951. 85 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (Infectious hazards of bacteriological techniques, no. 3) Order no. F 57-d.

Demonstrates the hazards involved in several common techniques of using the pipette and how these techniques can be modified to reduce the danger from bacterial aerosols.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-1056.



**Piston and liner removal.**

MP, USN, 1945. 12 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engine series. Disassembly) Order no. MN 3708-b.

How to remove connecting rod bearing, fork rod piston assembly, blade rod piston assembly, and opposite liners.

Buy from UWF. LC card FIE 52-1367.

**Pistons and rods.**

MP, USN, 1944. 17 min, sd, b&w. (Fairbanks Morse Diesel engine maintenance series. Benchwork) Order no. MN 3691-i.

How to disassemble, clean, inspect, and reassemble pistons and connecting rods.

Buy from UWF. LC card FIE 52-1157.

**Pitch buttoning and blocking.**

MP, USOE, 1944. 30 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 182. With instructor's manual.

Demonstrates blocking large convex lenses, blocking with pagoda tool, use of ring button, buttoning and blocking with pitch points, and pitch buttoning and blocking very small lenses.

Buy from UWF. LC card FIE 52-383.

**Pitch buttoning and blocking.**

FS, USOE, 1944. 66 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 182-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2819.

**Pitching and striking the sectional hospital tent.**

FS, USA, 1947. 91 fr, b&w, with disc: 16 in, 33 1/3 rpm, 15 min. Order no. SFS 8-105.

Demonstrates steps in the erection of a sectional hospital tent by an eight-man team.

Borrow from USAFIP. LC card FIE 54-727.

**Placing sliding ways.**

MP, USN, 1944. 19 min, sd, b&w. (Shipbuilding skills series. Preparation for stern launching) Order no. MN 2341-d.

Describes step-by-step procedure in placing sliding ways for a stern launching, and follows procedure to the completion of the sliding ways.

Buy from UWF. LC card FIE 52-1212.

**Placing the right man on the job.**

MP, USOE, 1944. 13 min, sd, b&w. (Problems in supervision series) Order no. OE 156. With instructor's manual.

Dramatized cases of five different workers, unsatisfactory in particular jobs, who are reassigned to other jobs more suitable to their abilities and capacities.

Buy from UWF. LC card FIE 52-82.

**Plague control.**

MP, USN, 1945. 21 min, sd, color. Order no. MN 4049.

Explains the chief clinical types of plague, the type of environment in which plague tends to flourish, the role of the rat and rat flea, and rat control measures.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1338.

**Plain indexing and cutting a spur gear.**

MP, USOE, 1941. 26 min, sd, b&w. (Machine shop work series. Operations on the milling machine, no. 4) Order no. OE 15. With instructor's manual.

Elements of spur gear teeth; principles of the dividing head; how to set up a cutter for milling a spur gear; use of standard indexing plates; and how to mill gear teeth to a specified depth.

Buy from UWF. LC card FIE 51-521.

**Plain indexing and cutting a spur gear.**

FS, USOE, 1943. 53 fr, b&w. (Machine shop work series. Opera-



tions on the milling machine, no. 4) Order no. OE 15-fs. Supplements motion picture with the same title. Buy from UWF. LC card FIE 51-54.

**Plan for peace.**

MP, USA, 1947. 18 min, sd, b&w. Order no. MF 1324. Presents the overall plan and some specific features of a universal military training program for the United States; and emphasizes the need for such a program. Borrow from USA. Buy from UWF. LC card FIE 52-1700.

**Plan for peace.**

MP, USA, 1947. 11 min, sd, b&w. Order no. MF 1327. Short version of 18-minute film with the same title. Borrow from USA. Buy from UWF. LC card FIE 52-1701.

**Plan for the future.**

MP, USAF, 1951. 27 min, sd, b&w. Order no. SFP 254. Opportunities for study and educational advancement offered to airmen and officers at U.S. Air Force bases throughout the world. Borrow from USAF. Cleared for TV. LC card FIE 52-1462.

**A plane is born.**

MP, USCAA, 1949. 19 min, sd, b&w. Order no. CA 19. Describes cooperative efforts of airplane manufacturers and the Civil Aeronautics Administration to assure the safety of new types of aircraft. Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2019.

**Plane performance.**

FS, USN, 1942. 63 fr, b&w. Order no. SN 813. Shows by means of photography, drawings, and graphs the factors which govern plane performance. Borrow from USCAA film libraries. LC card FIE 54-787.

**Planers.**

FS, USAF, 1942. 56 fr, b&w. (Machine tools series) Order no. FS 1-6. Explains the nomenclature, practical uses, and operation of the planer. Buy from UWF. LC card FIE 52-1901.

**Planetary gears, principles of operation. Part 1: Single sets.**

MP, USA, 1953. 18 min, sd, b&w. Order no. TF 9-1855. Describes the use and operation of planetary gears, covering the basic components, the laws of mechanical operation, and the results. Illustrates through a scale model the mechanics of planetary gears.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-600.

**Planetary gears, principles of operation. Part 2: Multiple sets.**

MP, USA, 1953. 15 min, sd, b&w. Order no. TF 9-1856. Demonstrates, through the use of a scale model, the principles of operation governing multiple sets of planetary gears.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-629.

**Planing a dovetail slide.**

MP, USOE, 1945. 28 min, sd, b&w. (Machine shop work series. Operations on the planer, no. 2) Order no. OE 67. With instructor's manual.

How to set up the workpiece, cutting tools, and machine; make rough and finish cuts in the clearance slot; and make angle cuts.

Buy from UWF. LC card FIE 51-574.

**Planing a dovetail slide.**

FS, USOE, 1945. 38 fr, b&w. (Machine shop work series. Operations on the planer, no. 2) Order no. OE 67-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-81.



**Planing a flat surface.**

MP, USOE, 1945. 22 min, sd, b&w. (Machine shop work series. Operations on the planer, no. 1) Order no. OE 66. With instructor's manual.

Function of a planer; how to mount the workpiece; set the tool and table for the cut; make a first and second roughing cut and a first and second finishing cut.

Buy from UWF. LC card FiE 51-575.

**Planing a flat surface.**

FS, USOE, 1945. 48 fr, b&w. (Machine shop work series. Operations on the planer, no. 1) Order no. OE 66-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-80.

**Planing rough surfaces to dimensions.**

MP, USOE, 1945. 17 min, sd, b&w. (Precision wood machining series. Operations on a single face surfaces, no. 1) Order no. OE 301. With instructor's manual.

How to prepare for planing; plane stock to uniform thickness; determine the amount of cut to be made; regulate the speed of feeding; and adjust the surfacer to cut straight; even, clean surfaces.

Buy from UWF. LC card FiE 52-53.

**Planing rough surfaces to dimensions.**

FS, USOE, 1945. 46 fr, b&w. (Precision wood machining series. Operations on a single face surfacer, no. 1) Order no. OE 301-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2595.

**Planning and laying out work.**

MP, USOE, 1944. 10 min, sd, b&w. (Problems in supervision series) Order no. OE 151. With instructor's manual.

A plant supervisor talks to his son, who has built a boat in the basement too large to go through the door, about the necessity for planning a job in advance; and recounts several illustrative experiences at the plant.

Buy from UWF. LC card FiE 52-96.

**Planning for good eating.**

MP, USOIAA, 1945. 9 min, sd, color. (Health for the Americas series)

Explains why man needs a variety of foods to be healthy, and shows that such foods can be grown on a small plot of land. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FiE 52-530.

**Planning for plenty.**

MP, USIA, 1952. 20 min, sd, b&w.

Forecasts agricultural developments in India, and emphasizes methods of securing water through dams, canals, and underground rivers tapped by means of tube wells. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-504.

**Planning good meals.**

FS, USPHS, 1950. 52 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. (Taking care of diabetes series, no. 4) Order no. 5-144.

Explains how a diabetic can plan a wide variety of meals by using a meal plan and "exchange lists" of foods that can be used for variety.

Borrow from USPHS-CDC. Buy from HPI. LC card FiE 53-952.

**Planning our family life.**

FS, USDA, 1944. 59 fr, b&w. Order no. 587. With lecture notes. Illustrates the solving of everyday family problems cooperatively through the sharing of all members in planning for the farm, the home, and the family.

Buy from PhotoLab. LC card FiE 52-2941.



**Planning the home vegetable garden.**

FS, USDA, 1951. 36 fr, single or double, b&w. Order no. 692. With lecture notes.

Shows methods of organizing the planning of a complete and balanced vegetable garden from a practical as well as a nutritional standpoint.

Buy from PhotoLab. LC card FiE 53-1029.

**Planting seeds indoors.**

MP, USDA, 1953. 5 min, sd, b&w. Demonstrates the mixing of vermiculite and sphagnum moss in a seed bed indoors and the planting therein of vegetable and flower seeds.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 53-99.

**Plaster casts.**

MP, USA, 1945. 37 min, sd, b&w. Order no. TF 8-2080.

Illustrates the duties of a plaster technician; examines the plaster room and plaster technician's equipment; shows the technician assisting a surgeon in applying casts to several patients.

Borrow from USAFIP. LC card FiE 54-90.

**Plastic and reconstruction surgery of the hand.**

MP, USN, 1946. 34 min, sd, color. Order no. MN 6128-b.

Illustrative cases showing early traumatic wounds of the hands, methods of elective surgery of the hands, and late reconstructive hand surgery. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1350.

**Plastic repair of a cheek and lip.**

MP, USN, 1946. 10 min, sd, color. Order no. MN 6485.

Shows how to graft a skin flap from the forehead over a disfiguring scar on the cheek; and a flap from the neck to form an upper lip. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1356.

**Plastic surgery of the hand.**

MP, USN, 1945. 12 min, sd, color. Order no. MN 6128-a.

Illustrates techniques of plastic surgery of the hand by the application of live skin grafts. Shows cases involving amputation, tendon laceration, and bone injury. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1316.

**Plastics series, nos. 1-10.**

Origin and synthesis of plastics materials

Methods of processing plastics materials

Compression molding. Part 1: Preparing the change and loading the mold

Compression molding. Part 2: Molding a simple part

Transfer molding: Molding a part with inserts

Semiautomatic and hand molding of intricate parts

Injection molding. Part 1: Setting up the press and molding a part

Injection molding. Part 2: Cleaning and servicing the press

Finishing molded parts

Machining laminated plastics

**The platoon.**

MP, USN, 1942. 26 min, sd, b&w. (Close order drill series) Order no. MN 201-b.

Shows how a platoon and company are formed and how a platoon executes military drills.

Buy from UWF. LC card FiE 52-1037.

**Pliers and screw drivers.**

MP, USA, 1943. 15 min, sd, b&w. (Care and use of hand tools series, no. 2) Order no. TF 9-2027.

Demonstrates the proper use of pliers and screw drivers and safety precautions to be observed in their use.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1537.



**Plunge cut grinding.**

MP, USOE, 1944. 15 min, sd, b&w.  
(Machine shop work series. Operations on the center-type grinder, no. 4) Order no. OE 83.  
With instructor's manual.

How to mount a bushing on a mandrel; dress the side of the grinding wheel; set a dial snap gage for the production grinding of bushings; rough- and finish-grind a bushing; and the importance of rhythm in production grinding.

Buy from UWF. LC card FIE 51-560.

**Plunge cut grinding.**

FS, USOE, 1944. 27 fr, b&w.  
(Machine shop work series. Operations on the center-type grinder, no. 4) Order no. OE 83-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-62.

**Point control of traffic.**

MP, USA, 1948. 24 min, sd, b&w.  
Order no. TF 19-1490.

Shows how to direct traffic through intersections and control two-way traffic over one lane stretches and bridges.

Borrow from USA. Buy from UWF. LC card FIE 52-1574.

**Poising balance wheels.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 11)

Shows how to use a poising tool, how to level and clean the tool, and the danger of undercutting during the poising operation.

Borrow from USVA. LC card FIE 54-182.

**Poison.**

FS, USN, 1942. 35 fr, b&w with disc: 16 in, 33 1/3 rpm, 8 min. (First aid series) Order no. SN 226.

Portrays symptoms of drug, food, and carbon monoxide poisoning; and suggests first-aid measures.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1859.

**Pole drainage.**

MP, USPHS, 1946. 7 min, sd, color or b&w. (Malaria control series) Order no. 4-033.

Shows how to eliminate quagmires and other marshy mosquito-breeding areas through pole drainage, and restore the land to productivity.

Borrow from USPHS-CDC. LC card FIE 52-2274.

**Pole inspection and maintenance.**

MP, USDA, 1954. 22 min, sd, color.

Demonstrates procedures to be followed in the inspection and maintenance of power and telephone-line poles. Made for technical personnel of REA co-ops.

Borrow from USDA. LC card FIE 54-284.

**Pole line construction. Part 1: Erecting telephone poles.**

MP, USA, 1943. 18 min, sd, b&w.  
Order no. TF 11-951.

Shows the procedure followed by construction crews in constructing a pole line from a reconnaissance of the route to the erecting and tamping-in of the poles.

Borrow from USA. LC card FIE 55-147.

**Pole line construction. Part 2: Installation of cross arms.**

MP, USA, 1943. 9 min, sd, b&w.  
Order no. TF 11-952.

Shows the operations involved in the installation of cross arms on a pole, including attaching the cross arm with the pole on the ground or erect, attaching multiple cross arms, and fixing transposition brackets.

Borrow from USA. LC card FIE 55-146.

**Pole line construction. Part 3: Installation of special cross arms.**

MP, USA, 1943. 13 min, sd, b&w.  
Order no. TF 11-968.



Shows uses and methods of attaching buck and extension cross arms.

Borrow from USA. LC card FiE 55-145.

**Pole line construction. Part 4: Fundamentals of guying.**

MP, USA, 1943. 10 min, sd, b&w. Order no. TF 11-1069.

Shows methods of installing side, head, pole to stub, and two- or four-way storm guys to provide extra support for poles; and the operation of a guy rule.

Borrow from USA. LC card FiE 55-144.

**Pole line construction. Part 5: Installation of anchors.**

MP, USA, 1943. 9 min, sd, b&w. Order no. TF 11-1070.

Shows how to install expanding plate, cone, and improvised log anchors for pole line support.

Borrow from USA. LC card FiE 55-143.

**Pole line construction. Part 6: Installation of guys.**

MP, USA, 1943. 10 min, sd, b&w. Order no. TF 11-1071.

Shows the eyebolt and wrap methods for installing guys and precautionary measures to be followed.

Borrow from USA. LC card FiE 55-142.

**Pole line construction. Part 7: Stringing open wires.**

MP, USA, 1943. 17 min, sd, b&w. Order no. TF 11-1088.

Shows methods of stringing wires over open territory; use of running board, guideline, and automatic feed reels; and checks for sag and tension.

Borrow from USA. LC card FiE 55-141.

**A policlínica da sua cidade.**

MP, USIAA, 1947. 8 min, sd, color. Portuguese version of motion picture with title, Your health center.

Describes the services available in a health center, and explains the importance of these services

in the prevention of disease and the protection of the health of the community.

Buy from USIAA. Cleared for TV. LC card FiE 52-575.

**Polishing.**

MP, USOE, 1944. 28 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 184. With instructor's manual.

How to make concave or convex polishing shell; trim polishing shell to size and cut breathers; set up and use polishing machine; make Newton's ring check with test glass; and correct for hollow condition and high condition.

Buy from UWF. LC card FiE 52-381.

**Polishing.**

FS, USOE, 1944. 64 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 184-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2876.

**Ponçage de surfaces planes et irregulieres.**

MP, USOE, 1951. 19 min, sd, b&w. Order no. OE 312-Fr. French version of motion picture with title, Sanding flat and irregular surfaces.

How the belt sander operates; how to prepare a sanding belt; sand flat stock on a belt sander; sand curved molding; and use and replace sandpaper on a disk sander and on a spindle sander.

Buy from UWF. LC card FiE 53-460.

**Pontoon assembly and utilization series.**

Pontoon causeway in amphibious operations

Pontoon drydock

Pontoon structures

The pontoon unit

**Pontoon causeway in amphibious operations.**

MP, USN, 1951. 27 min, sd, b&w. (Pontoon assembly and utiliza-



tion series) Order no. MN 6826-d.

Demonstrates the operation and utilization of pontoon causeway equipment in an amphibious landing operation.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2147.

#### **Pontoon drydock.**

MP, USN, 1951. 22 min, sd, b&w. (Pontoon assembly and utilization series) Order no. MN 6826-c.

Demonstrates the assembly and operation of a pontoon floating dry dock, concentrating upon the four-by-fifteen dock with 100 long-ton capacity.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2146.

#### **Pontoon structures.**

MP, USN, 1951. 11 min, sd, b&w. (Pontoon assembly and utilization series) Order no. MN 6826-b.

Portrays assembly of a 50-ton barge as a typical method of putting together any pontoon barge unit. Mentions other barges, and portrays the uses of a pontoon wharf and bridge as docking facilities.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2145.

#### **The pontoon unit.**

MP, USN, 1951. 18 min, sd, b&w. (Pontoon assembly and utilization series) Order no. MN 6826-a.

Demonstrates the standard U.S. Navy T6 and T7 pontoons, and shows how the basic units are assembled into a string of seven pontoons.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2144.

#### **Porcelain protected surface wiring.**

MP, USOE, 1944. 19 min, sd, b&w. (Electrical work series. Wiring, no. 9) Order no. OE 376. With instructor's manual.

How to make an electrical entrance to a building; install wiring and porcelain fittings; support and insulate wires; and prepare and connect wires for service.

Buy from UWF. LC card FIE 52-101.

#### **Porcelain protected surface wiring.**

FS, USOE, 1944. 45 fr, b&w. (Electrical work series. Wiring, no. 9) Order no. OE 376-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2560.

#### **Pork cuts.**

MP, USA, 1952. 20 min, sd, color. Order no. TF 8-1756.

Identifies commercial cuts of pork and shows methods of cutting in commercial abattoirs. Mentions the requirements of the armed forces in purchasing pork.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 53-128.

#### **Pork on the farm.**

MP, USDA, 1940. 21 min, sd, b&w. Shows approved methods of raising hogs for home use; illustrates techniques of killing, dressing, and handling to avoid spoilage; describes methods of cutting and curing, and advantages of cold storage.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-419.

#### **Portugal.**

MP, US Defense, 1952. 14 min, sd, b&w. Order no. AFIF 29.

Explains the industrial, social, and political problems of Portugal and points out its importance in the North Atlantic Treaty Organization.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-649.

#### **Position finding on the earth.**

MP, USAF, 1942. 15 min, sd, b&w. (Celestial navigation series) Order no. TF 1-204.



Discusses geographical position, Greenwich hour angle, local hour angle, relationship of hour angle to longitude, zenith distance and its relationship to altitude, circle of position, line of position, fix, relation of assumed to actual position, and intercept.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1476.

#### Positions.

MP, USA, 1943. 27 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 2) Order no. TF 7-652. Correct manner of firing the M-1 rifle--prone, sitting, kneeling, standing, or off hand; use of the rifle sling; and proper loop adjustments from the firing positions.

Borrow from USA. Buy from UWF. LC card FIE 52-1506.

#### Post-operative care.

MP, USN, 1943. 12 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-h.

Shows the procedure for making an anesthetic bed, and moving a patient from a stretcher to a bed. Demonstrates the care needed when a patient is arousing from the anesthetic.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-963.

#### Potatoes are appealing.

MP, USDA, 1952. 5 min, sd, color or b&w. (Consumer education shorts series)

Explains the selection, care, and uses of potatoes. Produced especially for use on television.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 53-637.

#### Pots and pans for your kitchen.

FS, USDA, 1951. 43 fr, b&w. Order no. 693. With lecture notes.

Explains principles to be followed in selecting utensils for a kitchen. Buy from PhotoLab. LC card FIE 53-1030.

#### Poultry: A billion dollar industry.

MP, USDA, 1939. 28 min, sd, b&w.

Shows and explains the magnitude of the poultry industry in the United States; describes large and small poultry farms, hatcheries, and markets; depicts the dressing of poultry and the liquid-egg business.

Rent from USDA film libraries.

Buy from UWF. LC card FIE 52-435.

#### Poultry inspection.

FS, USA, 1954. 125 fr, b&w, with disc: 16 in, 33 1/3 rpm, 27 min. Order no. SFS 8-197.

Describes the steps and standards involved in the processing of poultry plant in conformance with Government standards for quality, including dressing, evisceration, grading, and shipping.

Buy from UWF. Cleared for TV. LC card FIE 54-602.

#### Powder metallurgy. Part 1: Principles and uses.

MP, USOE, 1945. 19 min, sd, b&w. (Engineering series) Order no. OE 346. With instructor's manual.

Principles of powder metallurgy -- powder, pressure, heat; major industrial applications of powder metallurgy; laboratory process of combining silver and nickel powders.

Buy from UWF. LC card FIE 52-174.

#### Powder metallurgy. Part 2: Manufacture of porous bronze bearings.

MP, USOE, 1945. 15 min, sd, b&w. (Engineering series) Order no. OE 347. With instructor's manual.

Manufacturing process by which metal powders are fabricated into porous bronze bearings and impregnated with oil.

Buy from UWF. LC card FIE 52-175.

#### Power and the land.

MP, USDA, 1951. 40 min, sd, b&w. Revision of 1940 film with the same title.



Portrays a farm family in Pennsylvania before and after electrification of their farm; contrasts farm duties and tasks performed without electricity, then with electricity; illustrates the method of forming an electrical cooperative of farmers. Includes bringing the facts about rural electrification up to date (1951). Rent from USDA film libraries. Buy from UWF. LC card FiE 52-403.

**Power bending conduit.**

MP, USOE, 1945. 17 min, sd, b&w. (Electrical work series. Wiring, no. 13) Order no. OE 382. With instructor's manual. How to assemble and operate a floor bender and a portable bender; make a 45 degree bend in a 3-inch conduit; make an offset in 1½-inch conduit; and make an offset in conduit already installed. Buy from UWF. LC card FiE 52-142.

**Power bending conduit.**

FS, USOE, 1945. 25 fr, b&w (Electrical work series. Wiring, no. 13) Order no. OE 382-fs. Supplements motion picture with the same title. Buy from UWF. LC card FiE 52-2613.

**Power for defense.**

MP, USOWI, 1940. 11 min, sd, b&w. Shows the power resources of the Tennessee Valley and how they were used for defense purposes in 1940. Withdrawn from sale in 1953. Rent from some film libraries. LC card FiE 52-753.

**Power for peace.**

MP, US Defense, 1950. 20 min, sd, b&w. Order no. MN 6846. Presents the experiences of a typical business man attending a Joint Civilian Orientation Conference held by the Dept. of Defense in Washington D. C. Depicts his observations and reactions to the field demonstra-

tions, the training procedures, and the new weapons displayed. Borrow from USA, USAF, or USN. Buy from UWF. Cleared for TV. LC card FiE 52-1307.

**Power plant controls.**

FS, USN, 1943. 38 fr, b&w. Order no. SN 2784.

Explains the characteristics of the two principal types of power plant control systems and the advantages and uses of each type. Indicates how to adjust the operation of these controls. Borrow from USCAA film libraries. LC card FiE 54-788.

**Power plant lubrication.**

FS, USN, 1942. 45 fr, b&w. Order no. SN 164.

An aircraft machine shop demonstration film which describes the use of pressure lubricating guns in general power plant lubrication; lubrication of engine controls; inspection and lubrication magneto, starter, and generator; and precautions to be observed. Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1835.

**Power spraying with DDT.**

FS, USPHS, 1945. 95 fr, color with disc: 16 in, 33 1/3 rpm, 14 min, Order no. 5-002.1.

Explains how DDT residual spray kills insects, and demonstrates a power sprayer, its parts, uses, and maintenance. Borrow from USPHS-CDC. LC card FiE 53-883.

**The power within.**

MP, USBM, 1949. 20 min, sd, b&w. Order no. 236.

Explains with trick photography and animation the principles of the internal combustion engine; shows assembly of a modern automobile engine; and explains the nature and function of the various parts of the engine. Borrow from USBM. Cleared for TV. LC card FiE 52-664.

**Powerhead.**

MP, USN, 1943. 5 min, sd, b&w. (Diesel engine governors series.



Marquette governor, no. 4) Order no. MN 2598-d.

Shows adjustment of the speeder spring and construction and operation of the powerhead. Demonstrates the speed-setting control of the governor.

Buy from UWF. LC card FIE 52-1085.

**Powering America's progress: A modern story of bituminous coal.**

MP, USBM, 1952. 25 min, sd, color. Order no. 244.

Depicts modern methods, including safety measures, of mining and preparing bituminous coal for market, and some of its many uses.

Borrow from USBM. Cleared for TV. LC card FIE 52-672.

**Practical procedures of measurement.**

MP, USA, 1952. 48 min, sd, b&w. (The radioisotope series, no. 3) Order no. PMF 5145-c.

Explains the purposes of measurement for safety and for experimental purposes. Discusses the operational principles of the electroscope, ionization chamber, proportional counter, and particularly the Geiger-Muller counter. Explains the concepts of threshold value and plateau. Discusses briefly the mechanical recorder, scaler, and interpolation lights, and gives a simple exposition of counting statistics and the standard deviation.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 53-26.

**Practical rat control series, nos. 1-4.**

Sanitation techniques in rat control

Ratproofing

Rat killing

Area poisoning

**The practice of radiological safety.**

MP, USA, 1952. 33 min, sd, b&w. (The radioisotope series, no. 6) Order no. PMF 5145-f.

Shows how shipments of radioactive materials are handled, doses for therapy prepared, and synthetic compounds manufactured; pictures the protective clothing and the metering equipment worn by personnel handling radioactive materials; emphasizes safety precautions.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-2196.

**Preamble to peace.**

MP, USA, 1948. 10 min, sd, b&w. Order no. MF 1412.

Stresses the importance of the Army to present-day America. Shows scenes of army training and of research and development programs.

Borrow from USA. Buy from UWF. LC card FIE 52-1616.

**Precision gage blocks.**

MP, USOE, 1945. 18 min, sd, b&w. (Machine shop work series. Precision measurement, no. 6) Order no. OE 49. With instructor's manual.

Various uses of gage blocks in setting inspection gages; how to calculate gage blocks, and clean and assemble the blocks.

Buy from UWF. LC card FIE 51-553.

**Precision gage blocks.**

FS, USOE, 1945. 28 fr, b&w. (Machine shop work series. Precision measurement, no. 6) Order no. OE 49-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-35.

**Precision measurement series.**

See Machine shop work series. Precision measurement.

**Precision spin.**

MP, USN, 1943. 12 min, sd, b&w. (Intermediate acrobatics series) Order no. MN 1325-e.

Demonstrates the procedure of executing a precision spin.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1010.



**Precision wood machining series. Fundamentals of pattern-making, nos. 1-10.**

Making a one-piece flat pattern  
Making a pattern with a vertical core

Making a pattern with a horizontal core

Making a pattern with a tail print

Making a core box for a tail print

Making a segmented pattern

Making a pattern for a three-part mold

Making a pattern for a flanged pipe elbow

Making a matchboard pattern

Making a core box for a vertical core

Making a core box for a flanged pipe elbow

**Precision wood machining series. Operations on a single face surfacer, no. 1.**

Planing rough surfaces to dimensions

**Precision wood machining series. Operations on the band saw, nos. 1-2.**

Sawing with jig and changing band

Sawing a reverse curve and a bevel reverse curve

**Precision wood machining series. Operations on the jointer, nos. 1-4.**

Jointing edges and ends 90 degrees to face

Beveling, stop chamfering, and tapering square stock

Face planing uneven surfaces

Jointing an edge for gluing: Installing knives

**Precision wood machining series. Operations on the sander, no. 1.**

Sanding flat and irregular surfaces

**Precision wood machining series. Operations on the spindle shaper, nos. 1-3.**

Rabbeting and shaping an edge on straight stock

Shaping after template and shaping curved edges

Cutting grooves with circular saw blades

**Precision wood machining series. Operations on the variety saw, nos. 1-4.**

Ripping and cross-cutting

Beveling, mitering, rabbeting, and dadoing

Cutting tenons and segments

Cutting cove molding and a core box

**Precision wood machining series. Operations on the wood lathe, nos. 1-5.**

Turning a cylinder between centers

Turning taper work

Turning work on a face plate

Turning work in a chuck

Face turning a collar

**Precision wood machining series. Problems in patternmaking.**

Designing a pattern for a water-cooled motor block

Designing core boxes for a water-cooled motor block

Making a core box for a machine base

Making a pattern for a machine molded steel globe and angle valve

Making a pattern requiring a cover core

Making a pattern requiring box construction

Making a pattern requiring segmental construction

Making a pattern using a green and a dry sand core

Making a pattern, core boxes, and assembling cores for a water-cooled motor block

Redesigning a pattern for production purposes

**Preface to a life.**

MP, USPHS, 1950. 29 min. sd, b&w. With discussion guide.

Parental influence on a child's developing personality, illustrated by a series of episodes showing the effects of an overly solicitous mother and an overly



demanding father; and, in contrast, the healthy childhood resulting when both parents accept their child as an individual.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FiE 51-19.

**Pre-first aid: What to do.**

MP, USFCDA and AWRT, 1954. 6 films, sd, b&w.

First aid instructions prepared for use in television programs on civil defense. I. Bad burns (1 min, 15 sec) II. Shock (1 min, 19 sec) III. Moving the injured (1 min, 3 sec) IV. Suffocation (1 min, 15 sec) V. Serious bleeding (50 sec) VI. Broken bones (2 min, 18 sec).

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FiE 55-47.

**Preflight inspection: Airplane.**

MP, USOE, 1945. 17 min, sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 280. With instructor's manual. Necessity for careful and thorough inspection; how to use the "circle method" to inspect landing gear, wings, fuselage, tail surfaces, cabins, controls, and instruments.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-156.

**Preflight inspection: Airplane.**

FS, USOE, 1945. 46 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 280-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2612.

**Preflight inspection: Engine.**

MP, USOE, 1945. 13 min, sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 281. With instructor's manual.

How to check the general condition of an aircraft engine; inspect the fuel system, ignition system, and engine fittings and attachments; conduct an engine

run-up; and complete the inspection procedure.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-256.

**Preflight inspection: Engine.**

FS, USOE, 1945. 47 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 281-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2623.

**Preliminary investigation of fretting.**

MP, USNACA, 1949. 11 min, sd, color. Order no. TF 23.

Pictures taken in fretting corrosion research conducted by the NACA to determine the fundamental causes of fretting. A record film for technical personnel, to be used with NACA Report 1009: "Investigation of fretting by microscopic observation."

Borrow from USNACA. LC card FiE 54-210.

**Prelude to victory.**

MP, USN, 1946. 40 min, sd, b&w. Order no. MN 9119-d.

Reviews the actions and accomplishments of the Eighth Fleet, U.S. Navy, during World War II.

Borrow from USN. LC card FiE 52-1270.

**Prelude to war.**

MP, USA, 1942. 54 min, sd, b&w. (Why we fight series) Order no. OF 1.

Review events from 1933 to 1939 including the Japanese conquest of Manchuria, the Italian conquest of Ethiopia, the rise of Hitler; and explains the Axis plan of world conquest.

Buy from UWF. LC card FiE 52-1709.

**Pre-operative care.**

MP, USN, 1944. 12 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-k.



Demonstrates the method of preparing a patient mentally and physically, for an appendectomy operation, and of preparing the operative field for abdominal or bone operation.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-966.

**The preparation and insertion of tantalum plate.**

MP, USA, 1946. 30 min, sd, color. Order no. PMF 5030.

Demonstrates the preparation for and the insertion of a tantalum plate in the skull. For medical personnel.

Borrow from USAFIP. LC card FiE 52-2231.

**Preparation and staining of blood films.**

MP, USPHS, 1946. 17 min, sd, color. (Malaria control series) Order no. 4-007.

Illustrates smearing and staining procedures for preparing thick and thin blood films for use by technicians in ascertaining presence of malaria parasites. Includes technique of preparing Giemsa and Wright's stains.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 52-2263.

**Preparation and use of human plasma.**

MP, USN, 1945. 34 min, sd, color. Order no. MN 3543.

How whole blood is prepared and sent to the processing plant where the plasma and red corpuscles are separated, pooled, and packed for shipment to combat areas. Shows a hospital corpsman administering blood plasma to a wounded marine.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1136.

**Preparation for docking with keel and bilge blocks.**

MP, USN, 1944. 14 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2352-a.

Examines the graving dock and demonstrates the placement of keel and bilge blocks according to the docking plan. Points out

the careful planning and double-check of calculations by docking officer and dockmaster to insure safe placement of the ship.

Buy from UWF. LC card FiE 52-1196.

**Preparation for fabric covering.** FS, USN, 1942. 40 fr, b&w. Order no. SN 183.

Demonstrates cross-rib bracing on wing structure, dopeproofing, and fabric estimating in aircraft construction.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1838.

**Preparation for stern launching, DD445 class.**

MP, USN, 1944. 25 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2351-a.

Covers the operations necessary to prepare a ship for launching, including constructing ground ways, fitting sliding ways, installing internal shoring, dog shores, and trigger, and rigging the anchor.

Buy from UWF. LC card FiE 52-1194.

**Preparation of a culture medium.**

MP, USPHS, 1949. 14 min, sd, b&w. (Laboratory diagnosis of tuberculosis series, no. 1) Order no. 4-089.1. With utilization guide.

Demonstrates the necessity for bacteriologic diagnosis of tuberculosis; advantages of the modified Lowenstein medium; ingredients, preparation, tubing, inspissating, testing, and storing of the medium; and characteristic appearance of colonies on the medium.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-195.

**Preparation of a culture medium.**

FS, USPHS, 1949. 58 fr, color with disc: 16 in, 33 1/3 rpm, 5 min. (Laboratory diagnosis of tuberculosis series, no. 1) Order no. 5-123.1.

Covers same material as in motion picture with the same title.



Borrow from USPHS-CDC. LC card FiE 53-937.

**Preparation of aircraft engines for storage: Preservation.**

MP, USAF, 1942. 25 min, sd, b&w. Order no. TF 1-728.

Demonstrates the packing of a Pratt & Whitney 1830 engine in a sealing envelope, and then crating it for storage.

Borrow from USCAA film libraries. LC card FiE 53-404.

**Preparation of aircraft engines for storage: Retreatment and preparation for service.**

MP, USAF, 1942. 13 min, sd, b&w. Order no. TF 1-729.

Shows checking of engines in storage, removal of an engine from crate and envelope, procedure to be followed in preparing an engine for service, and re-preserving process.

Borrow from USCAA film libraries. LC card FiE 53-403.

**The preparation of dehydrated foods.**

MP, USA, 1953. 27 min, sd, color. Order no. TF 10-1870.

Shows the methods used in U.S. Army kitchens in the preparation of dehydrated food products.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 54-10.

**Preparation of foods. Part 2: Basic white sauce, breaded and ground meats.**

MP, USA, 1954. 17 min, sd, b&w. Order no. TF 10-1911.

Shows how various sauces and breaded and ground meats are prepared according to prescribed U.S. Army recipes and using standard field equipment.

Borrow from USA. Cleared for TV. LC card FiE 54-449.

**The preparation of hematoxylin stained smears for diagnosis of intestinal protozoa.**

FS, USPHS, 1950. 69 fr, b&w with disc: 16 in, 33 1/3 rpm, 8 min. Order no. 5-155.

Explains in detail the steps in preparing hematoxylin stained smears necessary to the diagnosis of intestinal protozoa.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-961.

**Preparation of sputum specimens.**

MP, USPHS, 1949. 16 min, sd, b&w. (Laboratory diagnosis of tuberculosis series, no. 2) Order no. 4-089.2. With utilization guide.

Shows the technique of sputum preparation used in laboratory diagnosis of tuberculosis to simplify diagnosis methods and to supplement mass X-ray programs.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-196.

**Preparation of sputum specimens.**

FS, USPHS, 1949. 67 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (Laboratory diagnosis of tuberculosis series, no. 2) Order no. 5-123.2.

Covers same material as in motion picture with the same title.

Borrow from USPHS-CDC. LC card FiE 53-938.

**Preparation of teachers.**

MP, USIA, 1948. 20 min, sd, b&w. Shows the preparation of teachers in the United States as illustrated through the activities at Ball State Teachers College, Muncie, Ind. Prepared for overseas use.

Buy from UWF. LC card FiE 52-900.

**Prepare for gas.**

MP, USN, 1945. 20 min, sd, b&w. Order no. MN 5139.

Describes the characteristics, potential dangers, and effects of mustard gas and of Ck and AC (nonpersistent gases). Explains favorable conditions for using the gases and demonstrates how to use them.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1297.



**Preparedness and national security.**

MP, US Defense, 1951. 22 min, sd, b&w. Order no. AFIF 12.

Explains steps taken by the United States after World War II to ensure future preparedness in the event of an attack by any would-be aggressor; describes the creation of the Central Intelligence Agency, the Research and Development Board, and the National Security Resources Board.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-2033.

**Preparing a cupola for charging.**

MP, USOE, 1945. 21 min, sd, b&w. (Foundry work series. Melting practice) Order no. OE 436. With instructor's manual.

How to recognize the end of a heat; procedures for dropping bottom and for preparing a cupola for its next heat.

Buy from UWF. LC card FiE 52-146.

**Preparing a cupola for charging.**

FS, USOE, 1945. 48 fr, b&w. (Foundry work series. Melting practice) Order no. OE 436-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2619.

**Preparing a school lunch.**

FS, USDA, 1952. 28 double fr, color. Order no. C-35. With lecture notes.

Explains the good management practices used by a school-lunch manager and her assistants in preparing school lunches for 150 children. Prepared especially for use by school-lunch personnel.

Buy from PhotoLab. LC card FiE 54-745.

**Preparing and setting a keelblock and bottom cradle.**

MP, USOE, 1942. 18 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1) Order no. OE 24. With instructor's manual.

Use of base line, vertical centerline, buttocklines, waterlines, and frame lines in checking dimensions during ship construction; how to lay a keelblock, use templates to make spauls, and erect a ship cradle.

Buy from UWF. LC card FiE 52-191.

**Preparing and setting a keelblock and bottom cradle.**

FS, USOE, 1943. 45 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 1) Order no. OE 24-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2671.

**Preparing blood films for microscopical examination.**

FS, USPHS, 1947. 66 fr, color with disc: 16 in, 33 1/3 rpm, 11 min. Order no. 5-071.

Explains how to clean microscope slides and prepare thick and thin blood films for use in microscopical diagnosis of malaria.

Borrow from USPHS-CDC. LC card FiE 53-915.

**Preparing old buildings for wiring.**

MP, USOE, 1945. 21 min, sd, b&w. (Electrical work series. Wiring, no. 7) Order no. OE 378. With instructor's manual.

How to plan the wiring paths, visualizing the obstructions, and then prepare the paths for the wiring runs.

Buy from UWF. LC card FiE 52-99.

**Preparing old buildings for wiring.**

FS, USOE, 1945. 50 fr, b&w. (Electrical work series. Wiring, no. 7) Order no. OE 378-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2557.

**Preparing the plane for flight.**

MP, USN, 1943. 24 min, sd, b&w. (Fundamentals of patrol plane



handling series) Order no. MN 1338-b.

Demonstrates the procedures for preparing a plane for flight, the duties of crew members, and such activities as loading ammunition and supplies and starting and testing the engine.

Buy from UWF. LC card FiE 52-1001.

#### Preparing to irrigate.

MP, USDA, 1932. 16 min, si, b&w.

Shows the types of machinery used in the construction and maintenance of irrigation ditches.

Rent from USDA film libraries.

Buy from UWF. LC card FiE 52-582.

#### Presacral pneumonography.

MP, USA, 1954. 10 min, sd, color. Order no. PMF 5289.

Demonstrates all the phases of a new technique which permits visualization, by means of X-ray, of the retroperitoneal space, particularly adrenal and kidney glands. For medical personnel.

Borrow from USAFIP. LC card FiE 55-12.

#### Prescription for work.

MP, USVA, 1949. 10 min, sd, b&w.

Explains the light mechanics procedure by means of which the work capacities of patients with physical disabilities are determined, and illustrates the procedure in the case of a patient with pulmonary tuberculosis who is re-trained to do a job within the limits of his endurance.

Borrow from USVA. LC card FiE 54-188.

#### Preservation of bacteria by desiccation in vacuo.

MP, USPHS, 1949. 11 min, sd, b&w. Order no. 4-102. With film guide.

Demonstrates the technique for desiccation in vacuo as a method of preservation for most bacteria.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 52-2233.

#### Preserve the original strength: Aircraft.

FS, USN, 1942. 57 fr, b&w. Order no. SN 294.

Explains tension, compression, shear, bending, torsion, mono-coque and semi-mono-coque fuselages, and "stressed" skin type of wing structure.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1862.

#### Pressure gages.

FS, USAF, 1942. 52 fr, b&w. Order no. FS 1-52.

Explains the uses of pressure gages on aircraft; and the principles and operation of the Bourdon, diaphragm, and aneroid mechanisms.

Buy from UWF. LC card FiE 52-1922.

#### Pressure sealing.

FS, USCG, 1943. 69 fr, b&w. Order no. SCG 119.

Explains the purpose of pressure sealing; and describes kinds of steam, air, ammonia, and oil packings.

Buy from UWF. LC card FiE 52-846.

#### Prevent dysentery.

MP, USIAA, 1947. 7 min, sd, color.

Explains how dysentery spreads and how its spread can be prevented by the disposal of waste, protection of food, purification of water, control of flies, and good personal habits of all the people.

Buy from USIAA. Cleared for TV. LC card FiE 52-497.

#### Prevent farm fires.

FS, USDA, 1944. 38 fr, single or double, b&w. Order no. 642. With lecture notes.

How to eliminate fire hazards on the farm by fireproof construction, approved wiring, and careful handling and storing of combustible materials.

Buy from PhotoLab. LC card FiE 52-2929.



**Prevention of pilferage. Part 1: Depots and warehouses.**

MP, USA, 1952. 20 min, sd, b&w.  
Order no. TF 19-1610.

Describes casual and systematic pilferage, measures to prevent stealing, principles for an effective program, and the proper prevention and apprehension procedures to be used.

Borrow from USA. LC card FiE 55-132.

**Prevention of pilferage. Part 2: On ships and wharves.**

MP, USA, 1951. 31 min, sd, b&w.  
Order no. TF 19-1661.

Illustrates precautionary measures to be applied against various methods of pilfering on ships and wharves.

Borrow from USA. LC card FiE 55-131.

**Preventive maintenance of signal equipment for commanders.**

MP, USA, 1951. 15 min, sd, b&w.  
Order no. MF 11-7915.

Explains the procedures to be followed in the maintenance of ground signal equipment when in storage at army depots.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2071.

**Price of Rendova.**

MP, USA, 1944. 11 min, sd, b&w.  
Order no. MF 926.

Review of combat operations in the capture of Rendova: establishment of beachhead, invasion of jungle, counterattack by Japanese dive bombers, and record of men and materiel destroyed.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1591.

**Pride of Main Street.**

MP, USMC, 1949. 16 min, sd, b&w. Order no. MH 6759.

Portrays the community of Rockford, Ill., and the citizens who are members of the U.S. Marine Reserve, their lives in the community and activities in the Reserve. Prepared for recruiting purposes.

**Borrow from USMC. LC card FiE 53-510.****Pride of outfit series**

The 82d Airborne Division  
The 83rd Infantry Division in Europe  
The fighting First  
Hell for leather  
Operation thunderbolt  
The red bull attacks: 34th Infantry Division  
Seventh Infantry Division  
Sixth Infantry Division

**Primary flight training series.**

Attitudes of flight, part 1  
Attitudes of flight, part 2  
Before you fly  
First flight, part 1  
First flight, part 2  
Flight path precision  
Flying sense  
Keep it flying, part 1  
Keep it flying, part 2  
Landings  
Race track patterns, part 1  
Race track patterns, part 2  
Safe for solo  
Slips  
Steep turns and spirals

**Primary treatment plants.**

FS, USPHS, 1950. 47 fr, b&w with disc: 16 in, 33 1/3 rpm, 7 min. (Municipal sewage treatment plants, no. 1) Order no. 5-130. Pictures and describes units, structures, and details of equipment used in the operation of typical primary treatment plants for sewage treatment.

Borrow from USPHS-GDC. Buy from UWF. LC card FiE 53-947.

**Principal dimensions, reference surfaces and tolerances.**

MP, USOE, 1945. 12 min, sd, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 3) Order no. OE 53. With instructor's manual.

Relationship between the blueprint and a rough and finished casting; how to use a blueprint in selecting reference surfaces; interpret tolerances; and check the accuracy of finished work.

Buy from UWF. LC card FiE 51-503.



**Principal dimensions, reference surfaces and tolerances.**

FS, USOE, 1945. 25 fr, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 3) Order no. OE 53-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-23.

**Principle of moments.**

MP, USOE, 1945. 23 min, sd, b&w. (Engineering series. Fundamentals of mechanics) Order no. OE 362. With instructor's manual. Explains the concept of moment of a force; the formula for finding its numerical value; principle of moments as applied to all coplanar force systems.

Buy from UWF. LC card FiE 52-166.

**Principle of moments.**

FS, USOE, 1945. 29 fr, b&w. (Engineering series. Fundamentals of mechanics) Order no. OE 362-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2646.

**Principles of dry friction.**

MP, USOE, 1945. 17 min, sd, b&w. (Engineering series) Order no. OE 365. With instructor's manual. Defines friction, explains the advantages and disadvantages of friction; the forces involved in friction; static and kinetic friction, and the calculation of the coefficients of static and kinetic friction.

Buy from UWF. LC card FiE 52-167.

**Principles of dry friction:**

FS, USOE, 1945. 36 fr, b&w. (Engineering series) Order no. OE 365-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2647.

**Principles of fracture reduction.**  
MP, USVA, 1953. 31 min, sd, color.

Shows by animation the anatomy in various fractures of the long bones, and demonstrates methods of reduction on individual fractures by traction, counter-traction, and suspension. Emphasizes that the principles of fracture reduction can be applied in any farm house with the materials at hand.

Borrow from USVA. Buy from UWF. LC card FiE 54-13.

**Principles of gas-filled tubes.**

MP, USOE, 1945. 15 min, sd, b&w. (Engineering series. Electronics, no. 4) Order no. OE 353. With instructor's manual.

Theory of ionization applied to gas-filled tubes; control of current in circuits employing gas-filled tubes; use of the gas diode as a rectifier; action of the grid in a gas triode; and application of the gas triode as a grid-controlled rectifier.

Buy from UWF. LC card FiE 52-187.

**Principles of gas-filled tubes.**

FS, USOE, 1945. 36 fr, b&w. (Engineering series. Electronics, no. 4) Order no. OE 353-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2668.

**Principles of gearing: An introduction.**

MP, USOE, 1945. 18 min, sd, b&w. (Engineering series. Fundamentals of mechanics) Order no. OE 363. With instructor's manual. Friction gears and toothed gears; law of gearing, positive driving, involute profiles, pressure angle, cycloid profiles, velocity ratios, and circular pitch.

Buy from UWF. LC card FiE 52-172.

**Principles of gearing: An introduction.**

FS, USOE, 1945. 37 fr, b&w. (Engineering series. Fundamentals of mechanics) Order no. OE 363-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2636.

**Principles of leadership.**

MP, USA, 1953. 43 min, sd, b&w. Order no. TF 21-1840.

Explains and illustrates eleven principles of leadership, and shows how a leader, using these principles as a guide, can develop the confidence, respect, obedience, and cooperation of his men.

Borrow from USA. Cleared for TV. LC card FiE 55-128.

**Principles of liquids and gases.**

FS, USAF, 1942. 75 fr, b&w. Order no. FS 1-22.

Explains the basic principles of liquids and of gases and the applications of these principles in airplanes, particularly the hydraulic systems.

Buy from UWF. LC card FiE 52-1926.

**Principles of lubrication.**

MP, USOE, 1945. 16 min, sd, b&w. (Engineering series) Order no. OE 355. With instructor's manual.

The need for lubrication; properties of lubricants; action of lubricants; viscosity of lubricants; and conditions that determine proper viscosity.

Buy from UWF. LC card FiE 52-173.

**Principles of lubrication.**

FS, USOE, 1945. 33 fr, b&w. (Engineering series) Order no. OE 355-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2637.

**Principles of operation and design.**

MP, USPHS, 1952. 10 min, sd, b&w. (Individual sewage disposal systems, no.1) Order no. FG 50-a.

Explains the basic principles of the function, design, and layout of septic tanks for sewage disposal systems.

Consists pictorially of graphics and models.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-667.

**Principles of operation of the automotive magneto.**

MP, USA, 1949. 14 min, sd, b&w. (Automotive electricity for military vehicles series, no.6) Order no. TF 9-1531.

Explains by animation the function and advantages of magneto over battery ignition, the magnetic field, conductor, relative motion, primary and secondary windings and their application in two- and four-pole magnetos.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1535.

**Principles of operation of the generator regulator.**

MP, USA, 1949. 13 min, sd, b&w. (Automotive electricity for military vehicles series, no.5) Order no. TF 9-1559.

Explains the operation of the three main units of a generator; and the function and importance of a generator regulator.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1739.

**Principles of refrigeration.**

MP, USOE, 1944. 20 min, sd, b&w. (Engineering series) Order no. OE 360. With instructor's manual.

Purpose, nature, and physics of refrigeration; the refrigerant and the refrigeration system; and the two principal types of systems--compression and absorption.

Buy from UWF. LC card FiE 52-171.

**Principles of refrigeration.**

FS, USOE, 1944. 44 fr, b&w. (Engineering series) Order no. OE 360-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2635.



**Principles of the gyroscope.**

MP, USN, 1944. 11 min, sd, b&w.  
(The gyro compass series) Order  
no. MN 1792-a.

Explains and illustrates the basic  
principles of the gyroscope (ri-  
gidity in space and precession);  
the three degrees of freedom of  
a gyroscope; and the relationship  
of precession, rigidity, and ap-  
parent rotation.

Borrow from USCAA film li-  
braries. Buy from UWF. LC  
card FIE 52-1045.

**Printing the positive.**

MP, USN, 1949. 19 min, sd, b&w.  
(Fundamentals of photography se-  
ries) Order no. MN 5387.

Shows hand and machine methods  
of making photographic prints;  
emphasizes cleanliness, acces-  
sibility of supplies, timing, tem-  
perature, testing of solutions, and  
drying.

Buy from UWF. LC card FIE  
52-1371.

**The prize calf.**

MP, USDA, 1939. 6 min, sd, b&w.  
Short version, prepared for  
school use, of Junior cattleman.  
Shows the care and feeding of  
a calf and its preparation for  
exhibition in an agricultural fair.

Rent from USDA film libraries.  
Buy from UWF. LC card FIE  
52-433.

**Pro patria vigilans.**

MP, USA, 1951. 22 min, sd, b&w.  
Order no. MF 7777.

Depicts varied mission of the  
Signal Corps in World War II,  
showing how joint signal assault  
companies consisting of Signal  
Corps and Navy personnel estab-  
lished communications on beach-  
heads and presenting new devel-  
opments, including a remote-con-  
trol bomb that employs a tele-  
vision aiming device.

Borrow from USA. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-1632.

**Problem at Port Washington.**

MP, USA-Eng, 1950. 10 min, sd,  
color.

Describes types of model studies  
made by the Hydraulics Division  
of the Corps of Engineers at  
Waterways Experiment Station,  
Vicksburg, Miss., and at Port  
Washington, Wis.

Borrow from USA-Eng. Cleared  
for TV. LC card FIE 52-1991.

**The problem of early diagnosis series, nos. 1-6.**

Cancer: The problem of early  
diagnosis

Breast cancer: The problem of  
early diagnosis

Gastrointestinal cancer: The  
problem of early diagnosis

Uterine cancer: The problem of  
early diagnosis

Oral cancer: The problem of  
early diagnosis

Lung cancer: The problem of  
early diagnosis

**The problem of hookworm in-  
fection,**

MP, USPHS, 1954. 8 min, sd,  
color. Order no. M 157.

Emphasizes the dangers of hook-  
worm disease, and pictures the  
life cycle of the hookworm, con-  
ditions in a rural home con-  
ducive to hookworm infection, and  
the effects of hookworm disease  
in a young girl.

Borrow from USPHS-CDC. Buy  
from UWF. LC card FIE 54-126.

**Problems in patternmaking se-  
ries.**

See Precision wood machining  
series. Problems in pattern-  
making.

**Problems in supervision series.**

Employing blind workers in in-  
dustry

Employing disabled workers in  
industry

Establishing working relations  
for the disabled worker

Every minute counts

Improving the job

Instructing the blind worker on  
the job

Instructing the disabled worker  
on the job

Instructing the worker on the  
job



Introducing the new worker to his job

Maintaining good working conditions

Maintaining quality standards

Maintaining workers' interest

A new supervisor takes a look at his job

Placing the right man on the job

Planning and laying out work

Safety in the shop

Supervising women workers

Supervising workers on the job

The supervisor as a leader, part 1

The supervisor as a leader, part 2

Using visual aids in training

Working with other supervisors

#### **Problems of peace in Europe.**

MP, US Defense, 1948. 20 min, sd, b&w. Order no. AFSR 97.

Presents some of the postwar political, social, and economic problems and progress of Europe, including English and Norwegian export trade and modernization of French and Italian agriculture and industry.

Borrow from USA. Buy from UWF. LC card FiE 52-1403.

#### **Problems of peace in the Americas.**

MP, US Defense, 1949. 20 min, sd, b&w. Order no. AFSR-109.

Shows how, through cooperation, the Western Hemisphere can be organized to defend international justice and maintain peace.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1407.

#### **Process of human dental caries.**

MP, USN, 1943. 8 min, sd, color. Order no. MN 2615.

Through diagrams explains tooth structure and bacterial decay. Shows gradual penetration of bacterial infection through the enamel and pulp to gingival tissue.

Borrow from USN-BuMed. LC card FiE 54-297.

#### **Producing quality poultry.**

MP, USDA, 1939. 12 min, si, color.

Explains the national poultry improvement program; contrasts mongrel flocks with R.O.P. (record of performance) flocks; emphasizes care in selecting stock; demonstrates how to test for pullorum disease; and shows inspection procedures in hatcheries.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-456.

#### **The production and processing of oysters.**

MP, USPHS, 1948. 16 min, sd, b&w. (Shellfish sanitation series) Order no. 4-073. With filmguide. Illustrates sanitary procedures for the oyster industry from growing area, through handling processes, to shipment to consumer. Includes a schematic diagram of an approved shucking and processing plant.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 52-2258.

#### **The production and processing of oysters.**

FS, USPHS, 1948. 90 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (Shellfish sanitation series) Order no. 5-098.

Covers same material as in motion picture with the same title. Borrow from USPHS-CDC. Buy from UWF. LC card FiE 52-2985.

#### **Production credit does the job.**

MP, USDA, 1953. 27 min, sd, color.

Explains the functions and operations today of the production credit associations authorized in the Farm Credit Act of 1933.

Borrow from USFCA. Buy from UWF. Cleared for TV. LC card FiE 53-598.

#### **Production of high-quality cream for butter making.**

FS, USDA, 1937. 30 fr, b&w. Order no. 429. With lecture notes.

How clean practices in milking, clean farm surroundings, prompt cooling, and frequent delivery assure high-quality cream.



Withdrawn from active circulation in 1952. LC card FiE 52-2885.

**The production of maple syrup.**  
FS, USDA, 1948. 59 fr, single or double, b&w. Order no. 682. With lecture notes.

Shows the value of maple syrup production in the United States, and something of the processes used.

Buy from PhotoLab. LC card FiE 52-2822.

**Produza mais alimentos.**

MP, USIAA, 1947. 8 min, sd, color. Portuguese version of motion picture with the title, Extra feeding pays.

Explains the need for storing cattle feed and suggests the use of a trench silo and haystack; emphasizes the value of good pasture land and recommends the planting of several kinds of grasses.

Buy from USIAA. Cleared for TV. LC card FiE 52-563.

**Produza mais leite.**

MP, USIAA, 1947. 10 min, sd, color. Portuguese version of motion picture with the title, Better farming: More milk.

Explains that more milk can be obtained from a cow that is clean, healthy, and well fed; and gives practical suggestions to farmers.

Buy from USIAA. Cleared for TV. LC card FiE 52-568.

**Progressive maintenance Diesel propulsion engine series.**

Bearing removal and inspection, 8-268A engine

Bench work, 8-268A engine

Disassembly of the 8-268A engine

Reassembly of the 8-268A engine

**Progressive maintenance on the General Motors 12-567A Diesel engines series. Benchwork**

Installation of cylinder head

Liner and piston

Reconditioning the fuel pump

**Progressive maintenance on the General Motors 12-567A Diesel engines series. Disassembly**

Bearings

Cylinder head removal

Piston and liner removal

**Progressive maintenance on the General Motors 12-567A Diesel engines series. Reassembly**

Installation of cylinder head

Installation of liner and piston

**Project for tomorrow.**

MP, USECA, 1950. 21 min, sd, b&w.

The development, sponsored by ERP, of H clubs among the farm children of Austria? Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-572.

**Project stalk.**

MP, USA, 1954. 17 min, sd, color. Order no. MF 9-8260.

Depicts a research study conducted by U.S. Army Field Forces and the Ordnance Ballistic Research Laboratories at Camp Irwin, California, to determine the time required by American tanks to hit a target.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-68.

**Project Tinkertoy.**

MP, USN, 1953. 28 min, sd, b&w. Order no. MN 7460.

A report on a joint U.S. Navy-National Bureau of Standards project to develop a new system of electronics design and manufacture using the "building-block" principle by which resistors, capacitors, tube sockets, and other parts of common design are machine assembled into functional electronic products.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 53-548.

**Propagation of trees and shrubs by vegetative means.**

FS, USDA, 1940. 47 fr, b&w. Order no. 600. With lecture notes.

Shows how to use stolons, layers, cuttings, grafts, buds, sprouts, and rootsticks in vegetative prop-



agation; and the processes in whip and tongue graft, cleft graft, and budding.

Withdrawn from active circulation in 1952. LC card FiE 52-2906.

**Properties of photographic lenses.**

FS, USAF, 1942. 65 fr, b&w. Order no. FS 1-47.

Function of lenses; pinhole lenses; focal length of lenses, size of image; necessity for focusing lens; inversion of the image; circle of confusion; types of single lenses; chromatic aberration, achromatic lens, spherical aberration, curvilinear distortion, anastigmatic lenses.

Buy from UWF. LC card FiE 52-1927.

**Properties of radiation.**

MP, USA, 1952. 68 min, sd, b&w. (The radioisotope series, no. 2) Order no. PMF 5145-b.

Explains the characteristics and properties of primary and secondary nuclear radiations in terms of their ionizing effects. Introduces concepts concerning the effect of matter on radiation so that absorbing materials can be used to measure radiation characteristics or to shield against their biological effects. Discusses terminology and presentation of data as a prerequisite to practical measurement.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 53-127.

**Prosthesis: Ocular replacement.**

MP, USN, 1945. 17 min, sd, color. Order no. MN 4391-b.

Demonstrates how to take a wax impression, make a master cast and wax pattern; duplicate the pattern in acrylic resin; create the iris; and polish the eye. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1323.

**Prosthesis series.**

See U.S. Navy Dental Corps. Prosthesis series.

**Protected passage.**

MP, USA-Eng, 1953. 24 min, sd, color.

Shows the Gulf Intracoastal Waterway from Carrabelle, Florida to Brownsville, Texas, and explains how this waterway is connected to the Mississippi River and its tributaries and to the Atlantic Intracoastal Waterway.

Borrow from USA-Eng. Cleared for TV. LC card FiE 53-545.

**Protecting electric equipment from high impact shock.**

MP, USN, 1946. 13 min, sd, b&w. Order no. MN 5109.

Explains causes of high impact shock, resulting damage to electrical equipment; preventive maintenance.

Buy from UWF. LC card FiE 52-1341.

**Protection against flashburns.**

FS, USN, 1944. 109 fr, b&w with disc: .16 in, 33 1/3 rpm, 12 min. Order no. SN 4420.

Explains the causes of flashburns and describes protective clothing.

Buy from UWF. LC card FiE 52-1806.

**Protection of metals, part 1.**

FS, USN, 1942. 53 fr, b&w. Order no. SN 185-a.

Explains the necessity for protective coverings on metals; and shows how to apply protective coverings on metals in aircraft construction and maintenance.

Buy from UWF. LC card FiE 52-1819.

**Protection of metals, part 2.**

FS, USN, 1942. 30 fr, b&w. Order no. SN 185-b.

Explains the necessity for and shows the method of applying protective coverings to metals.

Buy from UWF. LC card FiE 52-1840.

**Prunes are swell.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)



Explains the selection, care, and uses of prunes. Produced especially for use on television. Borrow from USDA. Buy from UWF. Cleared for TV. LC card FiE 53-636.

**Psychosomatic disorders.**

MP, USN, 1946. 23 min, sd, b&w. (Combat fatigue series) Order no. MN 3428-f.

Discusses real disabling pains and disorders for which no reason discernible by X-ray examination or other means is apparent. Shows the results of the psychological changes which take place in the body when emotions, such as fear and worry, are allowed to prevail unchecked.

Borrow from USN-BuMed. LC card FiE 54-127.

**Psychotherapeutic interviewing series, nos. 1-6**

Psychotherapeutic interviewing: Introduction

Psychotherapeutic interviewing: Method of procedure

An approach to understanding dynamics

Nonverbal communication

A clinical picture of claustrophobia

A clinical picture of anxiety hysteria

**Psychotherapeutic interviewing: Introduction.**

MP, USVA, 1950. 11 min, sd, b&w. (Psychotherapeutic interviewing series, no. 1)

Explains basic principles of the doctor-patient relationship, and the structure and goals of the psychotherapeutic interview. For professional personnel only.

Borrow from USVA. Buy from UWF. LC card FiE 53-100.

**Psychotherapeutic interviewing: Method of procedure.**

MP, USVA, 1950. 32 min, sd, b&w. (Psychotherapeutic interviewing series, no. 2)

Depicts an interview between a patient and a psychiatrist; analyzes the principles and methods employed in the interview; and

emphasizes the importance of the doctor-patient relationship, planning in terms of goals, focusing upon relevant topics, and minimal activity on the part of the doctor. For professional personnel only.

Borrow from USVA. Buy from UWF. LC card FiE 53-101.

**Puerto Rico.**

MP, US Defense, 1950. 22 min, sd, b&w. Order no. AFSR 122.

Explains the struggle and growth of Puerto Rico with emphasis upon its strategic value as a military, air, and naval base.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2035.

**Pulling and installing cable and packing terminal tubes.**

MP, USOE, 1945. 16 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 4) Order no. OE 113. With instructor's manual.

How to pull, strap, and straighten cable; prepare cable for pushing and for pulling with a rope; and pack terminal tubes.

Buy from UWF. LC card FiE 52-210.

**Pulling and installing cable and packing terminal tubes.**

FS, USOE, 1945. 34 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 4) Order no. OE 113-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2690.

**Purification of water.**

MP, USA, 1943. 19 min, sd, b&w. Order no. TF 8-1174.

Shows the danger of drinking polluted water, and methods of purifying water under various conditions.

Borrow from USA. Buy from UWF. LC card FiE 52-1514.

**Purpose of first aid.**

FS, USN, 1947. 51 fr, b&w with disc; 16 in, 33 1/3 rpm, 8 min.



(First aid series) Order no. SN 215.

Explains the purpose of first aid and its applications. Introduction to the series of filmstrips.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1842.

**Q (query) fever.**

FS, USPHS, 1950. 90 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. 5-156.

Explains the diagnosis, characteristics, and methods of transmission of Q fever from animals to human, and the control measures being used. For scientific personnel.

Borrow from USPHS-CDC. LC card FiE 54-704.

**QM non-divisional units.**

MP, USA, 1953. 19 min, sd, color. Order no. FG 10-23.

Explains the mission of the U.S. Army Quartermaster Corps and the organization and activities of its non-divisional units.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-25.

**Quality of a man's suit.**

FS, USDA, 1954. 29 double fr, b&w. Order no. 710. With lecture notes.

Explains factors to be considered in buying a man's suit.

Buy from PhotoLab. LC card FiE 54-746.

**Quartermaster aerial supply operations in Korea.**

MP, USA, 1952. 8 min, sd, b&w. Order no. FB 242.

Shows the transportation by air of supplies and equipment from storage areas to battle fronts in Korea, including the packaging of materials and special parachute rigging for heavy equipment such as howitzers and trucks.

Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FiE 52-2199.

**Quartermaster at work.**

MP, USA, 1952. 19 min, sd, b&w. Order no. MF 10-7937.

Explains that the Quartermaster Corps is the U.S. Army's storekeeper and is responsible for keeping the Army fed, clothed, fueled, and supplied with fighting equipment. Shows the research and testing being done by the Quartermaster Corps in food, clothing, and equipment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-167.

**Quartermaster reclamation and maintenance company, semi-mobile.**

MP, USA, 1950. 15 min, sd, b&w. Order no. TF 10-1614.

Shows methods of field reclamation of clothing and equipment by the Quartermaster Corps, post-battle salvage, and operation of shoe, clothing, textile, and equipment repair shops.

Borrow from USA. Cleared for TV. LC card FiE 55-150.

**O que e a doenca?**

MP, USOIAA, 1945. 11 min, sd, color. Portuguese version of motion picture with title, What is disease?

Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FiE 52-539.

**Que es enfermedad?**

MP, USOIAA, 1945. 11 min, sd, color. Spanish version of motion picture with title, What is disease?

Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FiE 52-541.

**Queen of the vegetables.**

MP, USDA, 1952. 6 min, sd, color or b&w. (Consumer education shorts series)



Explains the selection, care, and uses of tomatoes. Produced especially for use on television. Borrow from USDA. Buy from UWF. Cleared for TV. LC card FiE 53-635.

**Quiet triumph.**

MP, USVA, 1946. 15 min, sd, b&w. Describes the work of the Veterans Administration Chaplaincy Service, the background and selection of VA chaplains, and examples of services performed by these chaplains for all faiths. Borrow from USVA. LC card FiE 54-324.

**Quieting a noisy refrigerator.**

MP, USOE, 1945. 16 min, sd, b&w. (Refrigeration service series. Domestic units, no. 10) Order no. OE 447. With instructor's manual.

How to check and correct noise caused by high head pressure or oil-logged evaporator; compressor noises; motor noises; and noises caused by wear or looseness of parts.

Buy from UWF. LC card FiE 52-228.

**Quieting a noisy refrigerator.**

FS, USOE, 1945. 32 fr, b&w. (Refrigeration service series. Domestic units, no. 10) Order no. OE 447-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2706.

**Quiz: Hand spraying of DDT.**

FS, USPHS, 1946. 36 fr, b&w. Order no. 5-007.

Contains 32 illustrated questions reviewing material presented in the filmstrip, Hand spraying of DDT.

Borrow from USPHS-CDC. LC card FiE 53-888.

**Quiz: Mixing of DDT emulsions.**

FS, USPHS, 1945. 23 fr, b&w. Order no. 5-009.

Contains 19 illustrated questions reviewing material presented in

the filmstrip, Mixing of DDT emulsions.

Borrow from USPHS-CDC. LC card FiE 53-890.

**Quiz on lights and day signals.**

MP, USN, 1943. 14 min, sd, color. (Rules of the nautical road series) Order no. MN 202-h.

Shows 21 uses of lights or day signals and provides a test of 10 examples called "What is wrong with these lights?"

Withdrawn from sale in 1954. LC card FiE 52-938.

**Quiz: Power spraying with DDT.**

FS, USPHS, 1945. 26 fr, b&w. Order no. 5-008.

Contains 22 illustrated questions reviewing the material presented in the filmstrip, Power spraying with DDT.

Borrow from USPHS-CDC. LC Card FiE 53-889.

**Quiz: Safe practices in handling DDT.**

FS, USPHS, 1945. 13 fr, b&w. Order no. 5-010.

Contains 8 illustrated questions reviewing material presented in the filmstrip, Safe practices in handling DDT.

Borrow from USPHS-CDC. LC card FiE 53-891.

**RCL: Resistance, capacitance.**

MP, USN, 1943. 34 min, sd, b&w. (Radio technician training series) Order no. MN 1540-c.

Explains current and voltage in relation to time; voltage and current curves; the relationship of current and voltage; the measurement of voltage at source; the addition of phase components; and the effect of impedance on resonance.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-915.

**RCL: Resistance, capacitance, inductance.**

FS, USN, 1943. 34 fr, b&w. (Radio technician training series) Order no. SN 1540-ac.



Supplements motion picture with the title, RCL: Resistance, capacitance.

Buy from UWF. LC card FIE 52-916.

**ROTC at work.**

MP, US Defense, 1948. 11 min, sd, b&w. Order no. AFSR 98. On same reel with film, General Perishing.

Activities of the Reserve Officers Training Corps in encampment. Prepared for use by U.S. Armed Forces personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-313.

**Rx attitude.**

MP, USVA, 1952. 18 min, sd, b&w. Stresses the importance of attitudes exhibited by hospital personnel toward mental patients, and portrays the effects of such attitudes upon patients in a Veterans Administration mental hospital. Primarily for the information and training of hospital personnel.

Borrow from USVA. Buy from UWF. Cleared for TV. LC card FIE 52-2211.

**Rabbeting and shaping an edge on straight stock.**

MP, USOE, 1945. 18 min, sd, b&w. (Precision wood machining series. Operations on the spindle shaper, no. 1) Order no. OE 318. With instructor's manual.

Principle of the shaper operation; how to set up the machine for cutting rabbets; cut rabbets; set up the machine to shape molding; and shape a molding.

Buy from UWF. LC card FIE 52-46.

**Rabbeting and shaping an edge on straight stock.**

FS, USOE, 1945. 50 fr, b&w. (Precision wood machining series. Operations on the spindle shaper, no. 1) Order no. OE 318-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2535.

**Rabbit raising.**

FS, USDA, 1949. 50 double fr, b&w. Order no. 685.

Explains how to breed and feed the domestic rabbit and to market its meat, pelts, and fur.

Buy from Photo Lab. LC card FIE 53-854.

**Rabotage de surfaces rugueuses a certaines dimensions.**

MP, USOE, 1951. 17 min, sd, b&w. Order no. OE 301-Fr. French version of motion picture with title, Planing rough surfaces to dimensions.

How to prepare for planing; plane stock to uniform thickness; determine the amount of cut to be made; regulate the speed of feeding; and adjust the surfacer to cut straight, even, clean surfaces.

Buy from UWF. LC card FIE 53-449.

**Race track patterns, part 1.**

MP, USN, 1946. 22 min, sd, b&w. (Primary flight training series) Order no. MN 3474-j.

Discusses landing approach problems, the effects of wind according to its strength and direction, and the effect of turning too wide or too sharply. Illustrates methods of making the 90 degree approach and drift angle correction.

Borrow from USCAA film libraries. LC card FIE 54-325.

**Race track patterns, part 2.**

MP, USN, 1946. 22 min, sd, b&w. (Primary flight training series) Order no. MN 3474-k.

Illustrates the principles involved in making a 180 degree power approach in landing on a predetermined spot in the field. Explains how to determine if the distance from the field is correct, how to vary attitude of flight and/or power in order to vary speed and/or rate of descent.

Borrow from USCAA film libraries. LC card FIE 54-326.



**Radar for navigation.**

MP, USCG, 1947. 10 min, sd, b&w. Shows the use of radar by ships entering harbors. Borrow from USCG. LC card FiE 52-864.

**Radial drill series.**

See Machine shop work series. Operations on the drill press. Radial drill.

**Radial nerve injury in mid-arm.**

MP, USA, 1948. 7 min, sd, color. Order no. PMF 5079.

Demonstrates a case of an arm wound which paralyzed the radial nerve supply to the forearm and to the hand; shows operational technique used to effect repair, and postoperative findings. For medical personnel.

Borrow from USAFIP. LC card FiE 53-58.

**Radical orchidectomy.**

MP, USA, 1946. 18 min, sd, color. Order no. PMF 5032.

Demonstrates the technique for surgical removal of testicle following an injury, or for removal of a malignancy. For medical personnel.

Borrow from USAFIP. LC card FiE 52-2229.

**Radio altimeter operation (AN/ARN-1): Interpreting the altimeter indications.**

FS, USN, 1944. 48 fr, b&w. Order no. SN 2745-b.

Explains how to determine if the radio altimeter (model ARN-1) is operating normally, and how to interpret its indications in level flight, glide, bank, and at altitudes above 400 feet.

Borrow from USCAA film libraries. LC card FiE 54-789.

**Radio altimeter operation (AN/ARN-1): Principles of operation.**

FS, USN, 1944. 67 fr, b&w. Order no. SN 2745-a.

Points out shortcomings of aneroid altimeter and shows how the radio altimeter overcomes these. Indicates the characteris-

tics of the radio altimeter's scale, how it is graduated, and the degree of accuracy of its indications at different levels. Shows the location of the principal units of the ARN-1 model and explains how these are utilized in maintaining flight at a fixed altitude. Describes briefly the principles which enable the radio altimeter actually to measure altitude.

Borrow from USCAA film libraries. LC card FiE 54-790.

**Radio and control.**

FS, USN, 1942. 55 fr, b&w. Order no. SN 812.

Explains the use of aircraft radio in maintaining contact with base stations.

Borrow from USCAA film libraries. LC card FiE 54-791.

**Radio antennas: Creation and behavior of radio waves.**

MP, USAF, 1942. 12 min, sd, b&w. Order no. TF 1-474.

Explains electric and magnetic fields, generation of electromagnetic waves, behavior of radio waves in space, ground wave, reflection and refraction, the ionosphere, and causes of fading.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1474.

**Radio antennas: Fundamentals of the antenna.**

MP, USAF, 1942. 13 min, sd, b&w. Order no. TF 1-475.

Depicts various types of antennas and explains some of the fundamental characteristics of each; explains how the effective length of an antenna can be altered and how standing waves are prevented from forming in transmission lines; and shows typical circuits for voltage and current-fed antennas.

Borrow from USCAA film libraries. LC card FiE 53-425.

**The radio compass: The radio compass in flight.**

MP, USAF, 1943. 20 min, sd, b&w. Order no. TF 1-769.



Shows how the radio compass is utilized in aerial navigation.  
Borrow from USCAA film libraries. LC card FiE 53-402.

**Radio direction finder.**  
FS, USCG, 1944. 56 fr, b&w. (Piloting series) Order no. SCG 136-e.

Describes the construction and operation of the radio direction finder, models RDSC-121, DAE, and CGR-17.

Buy from UWF. LC card FiE 52-839.

**Radio frequency amplification.**  
FS, USN, 1942. 18 fr, b&w. Order no. SN 653.

Describes the theory and practice of amplification of the radio wave.  
Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1873.

**Radio interference from rural power lines.**

MP, USDA, 1953. 45 min, sd, b&w.

A classroom demonstration, using models, charts, and black-board explanations, of the causes of radio interference from power lines in rural areas. Prepared for the training of employees of rural electrification cooperatives.

Borrow from USDA. Buy from UWF, Cleared for TV. LC card FiE 53-631.

**The radio man fights.**  
MP, USN, 1944. 10 min, sd, b&w. (Radio operator training series) Order no. MN 2621-a.

Follows the course of a message from Washington, D. C., to a task force flagship at Guadalcanal; explains the importance of radio in the Navy; and presents an over-all picture of the training and duties expected of each radioman.

Buy from UWF. LC card FiE 52-1100.

**Radio navigation: Bracketing an unknown beam.**

MP, USN, 1945. 10 min, sd, b&w. (Instrument flight control series) Order no. MN 1059-y.

Designed to show navigators how to bracket an unknown beam of a 4-course aural type of radio range. Points out advantages of the system and how to carry out the procedure.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1047.

**Radio navigation. Part 1: Introduction and aids to radio navigation.**

FS, USAF, 1942. 59 fr, b&w. (Aerial navigation series) Order no. FS 1-269.

Explains how the radio compass, loop antenna, radio range station, and broadcasting station are utilized in aerial navigation.

Borrow from USCAA film libraries. LC card FiE 53-1018.

**Radio navigation. Part 1: Radio range flying.**

FS, USN, 1943. 57 fr, b&w with disc: 16 in, 33 1/3 rpm, 25 min. (Instrument flight control series) Order no. SN 1059-g.

Explains the characteristics of the low frequency range; how its courses are produced; the signals heard by the pilot in each quadrant along each course, and how their intensity varies with the flight direction and position of the aircraft; the fan markers used to identify each course.

Borrow from USCAA film libraries. Withdrawn from sale in 1952. LC card FiE 54-792.

**Radio navigation. Part 2: Bracketing.**

FS, USN, 1943 38 fr, b&w with disc: 16 in, 33 1/3 rpm, 20 min. (Instrument flight control series) Order no. SN 1059-h.

Explains procedures for bracketing a course of a low frequency radio range.

Borrow from USCAA film libraries. Withdrawn from sale in 1952. LC card FiE 54-793.

**Radio navigation. Part 3: Irregularities in radio range operation.**

FS, USN, 1943. 41 fr, b&w with disc: 16 in, 33 1/3 rpm, 20 min.



(Instrument flight control series)  
Order no. SN 1059-j.

Discusses some of the irregularities of L.F. radio range operation and what causes them; deals briefly with instrument approach procedures.

Borrow from USCAA film libraries. Withdrawn from sale in 1952. LC card FiE 54-794.

**Radio navigation. Part 3: Radio bearings.**

FS, USAF, 1942. 42 fr, b&w. (Aerial navigation series) Order no. FS 1-270.

Defines the terms true, relative, and reciprocal bearings, and shows how to take and use radio bearings to obtain a fix.

Borrow from USCAA film libraries. LC card FiE 53-1017.

**Radio navigation, part 5.**

FS, USN, 1944. 93 fr, b&w with disc: 16 in, 33 1/3 rpm, 25 min. (Instrument flight control series) Order no. SN 1059-k.

Illustrates principles, uses, and operation of the radio direction finder.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1891.

**Radio navigation, part 6.**

FS, USN, 1944. 55 fr, b&w with disc: 16 in, 33 1/3 rpm, 22 min. (Instrument flight control series) Order no. SN 1059-l.

Explains various systems for taking a fix using a radio direction finder.

Buy from UWF. LC card FiE 52-1892.

**Radio navigation: The radio range**  
FS, USN, 1944. 64 fr, b&w with disc: 16 in, 33 1/3 rpm, 25 min. (Instrument flight control series) Order no. SN 1059-x.

Shows means used by the Civil Aeronautics Administration to provide navigation radio beams for aircraft within the U.S. Explains, on course signals; call letters; leg and equi-signal; M, Fan, and Z markers; and the phenomenon of the multiple or bent beam.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1897.

**Radio operator training series**

The radio man fights

The technique of hand sending

Transmission security

Rhythm, speed, and accuracy in hand sending

**Radio operator.**

MP, USAF, 1943. 20 min, sd, b&w. Order no. TF 1-3310.

The story of a soldier's progress through radio operator school and how he later saves the lives of his bomber crew when they are forced to ditch their plane.

Borrow from USCAA film libraries. LC card FiE 53-398.

**Radio range course control elements.**

FS, USAF, 1943. 42 fr, b&w. Order no. FS 1-529.

Describes the components and construction of the interlocking, squeezing, rotating, and bending elements, and how each controls the low frequency radio range courses.

Borrow from USCAA film libraries. LC card FiE 53-1003.

**Radio range orientation.**

MP, USAF, 1943. 20 min, sd, b&w. Order no. TF 1-3402.

Shows, by use of the Link trainer, how a pilot can locate himself through use of the radio range and how to bracket its beam on courses.

Borrow from USCAA film libraries. LC card FiE 53-392.

**Radio receivers: Principles of radio receivers.**

MP, USAF, 1942. 17 min, sd, b&w. Order no. TF 1-472.

Portrays the principles and working of typical radio receivers, including crystal and tube detectors, radio and audio frequency amplification, and the superheterodyne circuit.

Buy from UWF. LC card FiE 52-1483.



**Radio sets AN/GRC 3, 4, 5, 6, 7, and 8.**

MP, USA, 1952. 17 min, sd, b&w.  
Order no. TF 11-1793.

Explains the characteristics, components, and mechanical operation of the Army-Navy radio sets in the GRC (ground control) classification.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-126.

**Radio shop techniques.**

MP, USN, 1943. 38 min, sd, b&w.  
(Radio technician training series)  
Order no. MN 1540-e.

Shows tools used by a radio technician and demonstrates orthographic projection, layouts, sawing and filing, drilling, bending metal, wiring, and soldering in making a regenerative receiver.

Buy from UWF. LC card FiE 52-917.

**Radio technician training series**

Audio oscillator operation

Capacitance

Inductance

Oscillators

Periodic functions

Radio shop techniques

RCL: Resistance, capacitance

RCL: Resistance, capacitance, inductance

Rectangular coordinates

Signal generator operation

Standing waves on transmission lines

Synchro systems, part 1

Synchro systems, part 2

Special purpose vacuum tubes

Tube tester operation

Vectors

Volt ohmmeter operation

**Radio technician training series.**

~~Elementary~~ electricity

Amperes, volts, and ohms

Current and electromotive force

Series and parallel circuits

**Radio transmitters: Principles and typical circuits.**

MP, USAF, 1942. 18 min, sd, b&w.  
Order no. TF 1-476.

Shows the principal parts of radio transmitters and how they function--the antenna and its purpose, a simple oscillator and its functions, the Hartley oscillator circuit, the amplifier, and how the microphone is connected in the circuit.

Borrow from USCAA film libraries. LC card FiE 53-424.

**Radioactive contamination.**

MP, US Defense, 1952. 18 min, sd, b&w. Order no. AFSWP 5201.

Portrays two shipyard workers expressing fear of radioactive contamination of U.S.S. Independence after Bikini atomic bomb tests. Explains that radioactive contamination is only one of the effects of atomic bomb explosions, and illustrates methods used in decontamination of radioactive elements. Produced under the supervision of the Armed Forces Special Weapons Project.

Buy from UWF. Cleared for TV. LC card FiE 53-536.

**Radioactivity: Laboratory demonstrations.**

MP, USA, 1949. 17 min, sd, color.  
Order no. PMF 5110.

Explains elementary principles of radioactivity and shows instruments used in the laboratory for detection and counting. For professional personnel.

Borrow from USAFIP. LC card FiE 53-41.

**Radiodontics.**

FS, USN, 1943. 37 fr, b&w with disc: 16 in, 33 1/3 rpm, 21 min.  
Order no. SN 2204.

Explains how radiograph is used to locate retained roots, impacted teeth, fractures, cavities, overhanging fillings, abnormal growths, and diseases of teeth and gums. For dental personnel.

Buy from UWF. LC card FiE 52-1775.

**The radioisotope series, nos. 1-4 and 6, 12, 13**

Fundamentals of radioactivity  
Properties of radiation



Practical procedures of measurement

The radioisotope: Methodology  
The practice of radiological safety

Radioisotopes in agricultural research

Radioisotopes in general sciences

**The radioisotope: Methodology.**  
MP, USA, 1951. 33 min, sd, b&w.  
(The radioisotope series, no. 4)  
Order no. PMF 5145-d.

Illustrates criteria of tracer methodology for radio-chemical purity; explains the importance, in designing a tracer experiment, of economy of time and materials and of accuracy; and portrays a research team planning a typical tracer experiment (metabolism of the horse bean plant) in which appropriate criteria are observed.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-2014.

**Radioisotopes in agricultural research.**

MP, USA, 1952. 41 min, sd, b&w.  
(The radioisotopes series, no. 12)  
Order no. PMF 5147-b.

Explains the use of radioisotopes in agricultural research; traces the utilization of chemicals by plants and animals, explains how the exact amounts needed are determined by radioactive chemicals; shows the manufacture of radioactive phosphate; and shows experiments using radioactive phosphate in fertilizer and radioactive cobalt in livestock.

Borrow from USA or USAFIP.  
Buy from UWF. LC card FIE  
53-494.

**Radioisotopes in general sciences.**

MP, USA, 1952. 46 min, sd, b&w.  
(The radioisotopes series, no. 13)  
Order no. PMF 5147-c.

Gives nine illustrations of the radioisotope as an important research tool adaptable to tracer investigations in all branches of general science, including metal-

lurgy, chemistry, biochemistry, and plant physiology.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-2009.

**Radiological survey.**

MP, US Defense, 1952. 21 min, sd, b&w. Order no. AFSWP 5202. Portrays a simulated underwater explosion of an atomic bomb near the coast, the radioactive fog created and spread inland over a 10-mile area, and the aerial and ground surveys made by helicopters and ground crews of the radiologically contaminated area. Produced under the supervision of the Armed Forces Special Weapons Project.

Buy from UWF. Cleared for TV.  
LC card FIE 53-537.

**Radiotherapy: High dosage treatment.**

MP, USOE, 1945. 17 min, sd, b&w.  
(Nursing series) Order no. OE 411. With instructor's manual.

Nature and physiological effects of high dosage X-rays; administration of X-ray treatment for carcinoma of the tongue; function and administration of radon seeds; factors in care of patients receiving X-ray therapy.

Buy from UWF. LC card FIE  
52-361.

**Radiotherapy: High dosage treatment.**

FS, USOE, 1945. 39 fr, b&w.  
(Nursing series) Order no. OE 411-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE  
52-2818.

**Rail right-of-way maintenance and repair: Elements of maintenance.**

FS, USA, 1954. 96 fr, b&w with disc: 16 in, 33 1/3 rpm, 20 min.  
Order no. SFS 55-18.

Presents basic rail maintenance procedures, underscoring their importance to railway safety, with respect to tie renewal, spot surfacing and lining, identifying



and removing a defective rail, and turnouts.  
Buy from UWF. Cleared for TV. LC card FiE 54-801.

**Railroad safety.**

MP, USA, 1952. 34 min, sd, b&w. Order no. TF 55-1731.

Explains the importance of safety in all phases of railroad work; in the yards, aboard trains, along the right of way, and in the maintenance shops.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2092.

**Rain on the plains.**

MP, USDA, 1944. 9 min, sd, b&w. Revision of 1938 film with the same title.

Shows the causes and effects of wind erosion and dust storms on the southern Great Plains; describes measures taken to reclaim ruined land, including contouring, terracing, strip cropping, sodding, planting of windbreaks, and the construction of dams.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-421.

**Rainbow valley: The story of a forest ranger.**

MP, USDA, 1954. 28 min, sd, color on b&w. Portrays the work and responsibilities of U.S. Forest Rangers, and the benefits of the National Forests in terms of timber, water, grass, wildlife, and recreation.

Borrow from USFS. Rent from USDA film libraries. Cleared for TV. LC card FiE 54-103.

**Raindrops and erosion.**

FS, USDA, 1947. 50 fr, single or double, b&w. Order no. 672. With lecture notes.

Shows how raindrops loosen topsoil, cause flood run-off, and accelerate silt accumulation in streams and reservoirs.

Buy from Photo Lab. LC card FiE 52-2864.

**Raindrops and soil erosion.**

MP, USDA, 1947. 21 min, sd, color.

Shows through the use of close-up photography the action of individual raindrops upon uncovered soil; and emphasizes the need for soil and water conservation methods.

Rent from USDA film libraries.

Buy from UWF. LC card FiE 52-420.

**Range and speed determination.**

MP, USA, 1950. 24 min, sd, b&w. Order no. TF 17-1548.

Explains methods of artillery range determination, estimating range by eye, estimating speed of target, and determining lead in miles and allowing for the speed of the projectile.

Borrow from USA. Cleared for TV. LC card FiE 55-137.

**Ranger training.**

MP, USA, 1953. 28 min, sd, b&w. Order no. FB 283.

Illustrates ranger training of the U.S. Army, including specialized training for jungle and mountain operations.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 54-450.

**Rapid fire.**

MP, USA, 1943. 28 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 4) Order no. TF 7-1062.

Explains the meaning of the term "rapid fire"; execution of rapid fire from prone, sitting, and kneeling positions; cadence exercises and exercises in simulated rapid fire by coach and pupil method.

Borrow from USA. Buy from UWF. LC card FiE 52-1508.

**Rat ectoparasite control.**

MP, USPHS, 1954. 8 min, sd, b&w. (Rodent control series, no. 8) Order no. M 37.1-g.

Explains the necessity, in areas where murine typhus or plague exist, to kill rat fleas even before killing the rats; and demonstrates



methods of using DDT to kill the fleas.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-171.

#### **Rat ectoparasite control.**

MP, USA and USPHS, 1951. 12 min, sd, b&w. (Rodent control series, no. 7) Order no. TF 8-1675 or M 37-g.

Covers same material as in 1954 revision with the same title.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FiE 53-217.

#### **Rat eradication measures on rat-proofing projects.**

FS, USPHS, 1947. 78 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. Order no. 5-068.

Explains the steps to be taken in the eradication of rats from a ratproofed building, including the use of various poisons and traps, and the need for periodic inspections.

Borrow from USPHS-CDC. LC card FiE 53-914.

#### **Rat killing.**

MP, USPHS, 1954. 13 min, sd, b&w. (Rodent control series, no. 6. Practical rat control, no. 3) Order no. M 37.1-f(1).

Emphasizes three aspects of rat control--sanitation techniques, ratproofed buildings, and rat killing.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-169.

#### **Rat killing,**

MP, USA and USPHS, 1951. 36 min, sd, b&w. (Rodent control series, no. 6. Practical rat control, no. 3) Order no. TF 8-1674 or M 37-f.

Discusses the uses of such rodenticides as red squill, ANTU, arsenic trioxide, 1080 water, and warfarin; and emphasizes three aspects of rat control--sanitation techniques, ratproofed buildings, and rat killing.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FiE 53-216.

#### **The rat problem.**

MP, USPHS, 1954. 16 min, sd, b&w. (Rodent control series, no. 1) Order no. M 37.1-a.

Orientation film emphasizing the extent and seriousness of the health and economic problems caused by rats.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-164.

#### **The rat problem.**

MP, USA and USPHS, 1951. 25 min, sd, b&w. (Rodent control series, no. 1) Order no. TF 8-1669 or M 37-a.

Covers same material as in 1954 revision with the same title.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FiE 53-211.

#### **Ratproofing.**

MP, USPHS, 1954. 10 min, sd, b&w. (Rodent control series, no. 5. Practical rat control, no. 2) Order no. M 37.1-e.

Explains methods and materials to be used in the ratproofing of buildings so as to prevent the entry or exit of rats, and after ratproofing the exterior of a building, the necessity of killing all rats inside.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-168.

#### **Ratproofing.**

MP, USA and USPHS, 1951. 18 min, sd, b&w. (Rodent control series, no. 5. Practical rat control, no. 2) Order no. TF 8-1673 or M 37-e.

Covers same material as in 1954 revision with the same title.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FiE 53-215.

#### **Ratproofing of existing buildings.**

FS, USPHS, 1947. 80 fr, b&w with disc: 16 in, 33 1/3 rpm, 14 min. Order no. 5-067.

Briefly explains the habitat of rats and the need for ratproofing buildings; and demonstrates the methods by which existing buildings can be ratproofed and maintained in a rat-free condition.



Borrow from USPHS-CDC. LC card FiE 53-913.

**Reading a drawing of a valve bonnet.**

MP, USOE, 1944. 20 min, sd, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 5) Order no. OE 55. With instructor's manual.

How to interpret conventional symbols and tolerance specifications and use the blueprint in planning machine operations.

Buy from UWF. LC card FiE 51-505.

**Reading a drawing of a valve bonnet.**

FS, USOE, 1944. 30 fr, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 5) Order no. OE 55-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-25.

**Reading a three-view drawing.**

MP, USOE, 1945. 10 min, sd, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 2) Order no. OE 52. With instructor's manual.

How to use a blueprint to visualize the object; interpret a blueprint; and make a tool block according to specifications shown on a blueprint.

Buy from UWF. LC card FiE 51-502.

**Reading a three-view drawing.**

FS, USOE, 1946. 30 fr, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 2) Order no. OE 52-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-22.

**Ready for flight.**

MP, USAF, 1950. 14 min, sd, b&w. Order no. SFP 247.

How the mechanics, electricians, "grease monkeys," and other maintenance men kept the Berlin airlift planes ready for flight.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-419.

**Ready for sea.**

MP, USN, 1952. 14 min, sd, b&w. Order no. MN 7445.

Follows the training necessary to make a young civilian into a sailor ready for sea; shows scenes of the work, study, play, and companionship which comprises "boot camp."

Borrow from USN. Cleared for TV. LC card FiE 52-1287.

**The real Miss America.**

MP, USAF, 1952. 10 min, sd, b&w. Order no. SFP 282.

The functions and duties performed by women in all branches of the U.S. Armed Forces and the contributions they are making to national defense.

Borrow from USAF or USN. Cleared for TV. LC card FiE 53-593.

**Realm of the honeybee.**

MP, USDA, 1932. 62 min, si, b&w. Shows and describes the life and value of bees in the production of honey and beeswax and as nature's agent in cross-pollination.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-430.

**Realm of the wild.**

MP, USDA, 1945. 27 min, sd, color.

Scenes of wildlife in the national forests--big game, small animals, and birds; emphasizes the relationship between population and the available food supply.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-414.

**Reaming with straight hand reamers.**

MP, USOE, 1942. 20 min, sd, b&w. (Machine shop work series. Bench work, no. 4) Order no. OE 37. With instructor's manual.

Types of reamers; how to check the size of reamers; and how to ream straight holes with



straight-fluted, helical-fluted, and adjustable-blade reamers. Buy from UWF. LC card FiE 51-532.

**Reaming with straight hand reamers.**

FS, USOE, 1943. 47 fr, b&w. (Machine shop work series. Bench work, no. 4) Order no. OE 37-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-46.

**Reaming with taper hand reamers.**

MP, USOE, 1942. 15 min, sd, b&w. (Machine shop work series. Bench work, no. 5) Order no. OE 38. With instructor's manual.

How to hand ream a tapered hole through a shaft and collar; fit a taper pin in the reamed hole; and ream bearing caps for fitting dowel pins.

Buy from UWF. LC card FiE 51-533.

**Reaming with taper hand reamers.**

FS, USOE, 1943. 41 fr, b&w. (Machine shop work series. Bench work, no. 5) Order no. OE 38-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-45.

**Rearing and handling of anopheles mosquitoes.**

MP, USPHS, 1945. 16 min, sd, color or b&w. (Malaria control series) Order no. 4-006.

Depicts the insectary techniques used at the U.S. Public Health Service Malaria Research Laboratory, Columbia, S.C., in supplying anopheles mosquitoes to health laboratories studying transmission of foreign types of malaria.

Borrow from USPHS-GDC. LC card FiE 52-2262.

**Reassembling the engine.**

MP, USOE, 1945. 22 min, sd, b&w. (Aircraft work series.

Power plant maintenance) Order no. OE 271. With instructor's manual.

How to reassemble the crankshaft and camshaft assemblies, crankcase section, and gear case cover assembly; reinstall the oil sump; and complete reassembly of the engine.

Buy from UWF. LC card FiE 52-148.

**Reassembling the engine.**

FS, USOE, 1945. 50 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 271-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2607.

**Reassembly of cylinder head.**

MP, USN, 1944. 14 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Bench work, no. 5) Order no. MN 2364-1.

Demonstrates how to reassemble and install the cylinder head; explains each operation and the use of proper tools.

Buy from UWF. LC card FiE 52-1241.

**Reassembly of piston.**

MP, USN, 1943. 11 min, sd, b&w. (Cooper Bessemer Diesel engine maintenance series. Bench work, no. 3) Order no. MN 2364-g.

Demonstrates proper sequence of steps in reassembling pistons.

Buy from UWF. LC card FiE 52-1244.

**Reassembly of the 8-268A engine.**

MP, USN, 1943. 36 min, sd, b&w. (Progressive maintenance Diesel propulsion engine series) Order no. MN 209-b.

Demonstrates how to reassemble the General Motors 8-268A Diesel engine.

Buy from UWF. LC card FiE 52-1050.

**Reassembly. Part 1.**

MP, USN, 1945. 23 min, sd, b&w. (General Motors 16-278A Diesel engine series) Order no. MN 3707-c.



How to install liner, piston assembly, cylinder head, and rocker lever assembly in re-assembly of the General Motors 16-278A Diesel engine.

Buy from UWF. LC card FiE 52-1142.

**Reassembly. Part 2: Head.**

MP, USN, 1945. 27 min, sd, b&w. (General Motors 16-278A Diesel engine series) Order no. MN 3707-d.

How to install injector and controls; test injector; adjust injector; install valve bridges and rocker shaft; and assemble and time injector and exhaust.

Buy from UWF. LC card FiE 52-1143.

**Rebasing and simple repairs.**

FS, USN, 1949. 72 fr, color with disc: 16 in, 33 1/3 rpm, 20 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-j.

Shows how a denture may be rebased and illustrates the correct method of making simple repairs on broken dentures by re-assembling or replacing broken parts. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1816.

**Rebuilding with grass.**

MP, USDA, 1952. 21 min, sd, color or b&w.

Ranchers in Idaho, Utah, Nevada, and New Mexico tell about their work in reseeding and improving the management of their lands. Shows how eradication of sagebrush and reseeding of worn-out range lands have restored the land.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2160.

**Reciprocating engine construction.**

FS, USCG, 1943. 65 fr, b&w. Order no. SCG 176-c.

Explains the construction of a reciprocating engine, the function of its parts, and the relationship of these parts in operation.

Buy from UWF. LC card FiE 52-808.

**Reciprocating pump opening for inspection.**

MP, USN, 1943. 21 min, sd, b&w. (Shipbuilding skills series. Outside machinist) Order no. MN 2348-a.

Stresses the importance of care in the disassembly of any type of machinery or engine. Demonstrates, on a vertical simplex reciprocating pump, the proper procedures, marking of parts, use of standard machinist's hand tools, and safety precautions.

Buy from UWF. LC card FiE 52-1233.

**Reciprocating pump opening for inspection.**

FS, USN, 1944. 34 fr, b&w. (Shipbuilding skills series. Outside machinist) Order no. SN 2348-m. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1800.

**Recognition of domestic rodent signs.**

FS, USPHS, 1952. 58 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. Order no. F 111.

Explains where to look for rodent signs and how to identify the various species of rodents by the size and shape of their droppings.

Borrow from USPHS-CDC. LC card FiE 53-988.

**Recognition of rat signs for DDT dusting.**

FS, USPHS, 1946. 70 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. Order no. 5-027.

Mentions the increase in typhus fever in the United States and explains its mode of transmission through rats, via fleas, to humans. Explains methods of eliminating rats and rat ectoparasites, conditions favorable to rat invasions, recognition of rat signs, and application of DDT to rat runways.

Borrow from USPHS-CDC. LC card FiE 53-899.



**Reconditioning a cultivator.**  
 MP, USOE, 1944. 14 min, sd, b&w.  
 (Farm work series. Equipment maintenance, no. 5) Order no. OE 453. With instructor's manual.  
 How to replace a worn wheel boxing; adjust yoke; check and lubricate gang expansion and steering assemblies; and lubricate all parts of a cultivator.  
Buy from UWF. LC card FiE 52-326.

**Reconditioning a cultivator.**  
 FS, USOE, 1944. 36 fr, b&w.  
 (Farm work series. Equipment maintenance, no. 5) Order no. OE 453-fs.  
 Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2793.

**Reconditioning a cylinder with a portable boring bar.**  
 MP, USN, 1944. 26 min, sd, b&w.  
 (Shipbuilding skills series. Outside machinist) Order no. MN 2348-b.  
 Traces a typical boring job to illustrate various checks, adjustments, and alignments required to operate the boring bar; covers types, uses, nomenclature, set-up, and operation of the portable bar while demonstrating the reconditioning of a cylinder.  
Buy from UWF. LC card FiE 52-1213.

**Reconditioning a cylinder with a portable boring bar.**  
 FS, USN, 1944. 70 fr, b&w. (Shipbuilding skills series. Outside machinist) Order no. SN 2348-n.  
 Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-1801.

**Reconditioning a grain drill.**  
 MP, USOE, 1943. 31 min, sd, b&w.  
 (Farm work series. Equipment maintenance, no. 4) Order no. OE 197. With instructor's manual.  
 How to inspect and repair a typical grain drill; clean and lubricate the fertilizer and seed-

ing mechanism; repair the disc furrow openers, drive chains, pawl assembly; and calibrate the seeding mechanism.  
Buy from UWF. LC card FiE 52-359.

**Reconditioning a grain drill.**  
 FS, USOE, 1943. 35 fr, b&w.  
 (Farm work series. Equipment maintenance, no. 4) Order no. OE 197-fs.  
 Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2815.

**Reconditioning a mower. Part 1: Cutter bar.**  
 MP, USOE, 1943. 21 min, sd, b&w. (Farm work series. Equipment maintenance, no. 1) Order no. OE 194. With instructor's manual.  
 How to repair the sickle; repair and adjust the guards; mount and align the cutter bar; and check the mower's operation.  
Buy from UWF. LC card FiE 52-324.

**Reconditioning a mower. Part 1: Cutter bar.**  
 FS, USOE, 1943. 29 fr, b&w.  
 (Farm work series. Equipment maintenance, no. 1) Order no. OE 194-fs.  
 Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2795.

**Reconditioning a mower. Part 2: Drive system.**  
 MP, USOE, 1944. 21 min, sd, b&w. (Farm work series. Equipment maintenance, no. 2) Order no. OE 195. With instructor's manual.  
 How to clean, inspect, lubricate, and replace the wheel assembly; replace a worn wrist pin; disassemble and inspect the gear assembly; check and remove, if worn, flywheel shaft bearings and install new bearings; and lubricate the reconditioned mower.



Buy from UWF. LC card FiE 52-325.

**Reconditioning a mower. Part 2: Drive system.**

FS, USOE, 1944. (Farm work series. Equipment maintenance, no. 2) Order no. OE 195-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2794.

**Reconditioning a two-bottom tractor plow.**

MP, USOE, 1943. 25 min, sd, b&w. (Farm work series. Equipment maintenance, no. 3) Order no. OE 196. With instructor's manual.

How to check and repair the wheel assemblies and the power lift assembly; recondition the plowshares; adjust the coulter; and check and adjust the furrow wheels in the field.

Buy from UWF. LC card FiE 52-327.

**Reconditioning a two-bottom tractor plow.**

FS, USOE, 1943. 18 fr, b&w. (Farm work series. Equipment maintenance, no. 3) Order no. OE 196-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2792.

**Reconditioning convalescents for return to duty.**

MP, USA, 1944. 37 min, sd, b&w. Order no. TF 8-2070.

Portrays the medical facilities of the Army for restoring the physical and mental well-being of wounded soldiers.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1528.

**Reconditioning the fuel pump.**

MP, USN, 1945. 17 min, sd, b&w. (Progressive maintenance on the General Motors 12-567A Diesel engine series. Benchwork) Order no. MN 3708-g.

How to install seal assembly, diaphragm, copper seal gasket,

shim, setting bar, and spacer in the fuel pump.

Buy from UWF. LC card FiE 52-1364.

**Reconnaissance functions of the block warden.**

FS, USFCDA, 1953. 64 fr, color with disc: 12 in, 33 1/3 rpm, 13 min. Order no. 6. With training bulletin.

Explains the duties of a civil defense warden following an attack in surveying conditions in his block and reporting such conditions to higher authorities. Borrow from USFCDA. Buy from SVE. LC card FiE 55-527.

**Reconnaissance pilot.**

MP, USAF, 1945. 29 min, sd, b&w. Order no. SFP 125.

A dramatized story of a fighter pilot, resentful at being ordered into reconnaissance work in the Pacific, who comes to realize the importance of reconnaissance and of his role in helping to win the war.

Borrow from USAF. Buy from UWF. LC card FiE 52-1438.

**The reconnaissance platoon and company.**

MP, USA, 1948. 27 min, sd, b&w. Order no. TF 17-1508.

Explains the functions and operations of a reconnaissance platoon and company in its mission of protecting the flanks of the main military body.

Borrow from USA. Cleared for TV. LC card FiE 55-139.

**Reconstitution and use of standard Army-Navy package of dried plasma.**

FS, USA, 1943. 40 fr, b&w. Order no. FS 8-51.

Shows the contents of the standard U.S. Army-Navy package of dried plasma, and details each step in the method of opening the package, restoring the plasma with distilled water, assembling the intravenous set, and administering the plasma.

Borrow from USAFIP. LC FiE 53-831.



**Reconstruction of the lower lip and chin.**

MP, USA, 1947. 20 min, sd, color.  
Order no. PMF 5075.

Demonstrates the methods used in a reconstruction of the lower lip and chin, showing all phases of restoration in a case in which two-thirds of the lower lip, chin, and mandible were destroyed by shell fragments. For medical personnel.

Borrow from USAFIP. LC card FIE 53-61.

**Recreation and athletics in the Navy.**

MP, USN, 1950. 10 min, sd, b&w.  
Order no. MN 6620.

Emphasizes importance of physical training in the U.S. Navy and demonstrates types of training that may be practiced by the individual for recreation.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1253.

**Recreation center operation.**

MP, USA, 1951. 13 min, sd, b&w.  
Order no. MF 7841.

Shows and explains the operation and activities of a U.S. Army recreation center.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2062.

**Recreation leadership.**

MP, USA, 1953. 23 min, sd, b&w.  
Order no. TF 12-1808.

Portrays the procedures used by an Army captain in developing a recreational program for a newly formed company.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 55-26.

**Recreational and occupational therapy.**

MP, USOE, 1945. 13 min, sd, b&w. (Nursing series) Order no. OE 415. With instructor's manual.

Recreational and occupational activities fitted to the patient's condition: passive diversion

during an immobile state; limited physical activities carried on in bed; individualized occupational therapy; and social recreation projects.

Buy from UWF. LC card FIE 52-333.

**Recreational and occupational therapy.**

FS, USOE, 1945. 35 fr, b&w. (Nursing series) Order no. OE 415-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2787.

**Rectangular coordinates.**

MP, USN, 1944. 13 min, sd, b&w. (Radio technician training series) Order no. MN 1540-m.

Demonstrates how to use coordinates in solving problems involving time and distance, and how to locate a point using two coordinates.

Borrow from USCAA film libraries. Buy from VWF. LC card FIE 52-918.

**The red bull attacks: 34th Infantry Division.**

MP, USA, 1950. 21 min, sd, b&w. (Pride of outfit series) Order no. MF 7555.

Traces the history of the 34th Infantry Division back to the Minnesota Volunteers in the Civil War, and recounts the action of the Division in World Wars I and II.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1624.

**Redesigning a pattern for production purposes.**

MP, USOE, 1945. 11 min, sd, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 336. With instructor's manual.

How a pattern originally designed for casting a single piece is redesigned for quantity production.  
Buy from UWF. LC card FIE 52-90.



**Redesigning a pattern for production purposes.**

FS, USOE, 1945. 32 fr, b&w. (Precision wood machining series. Problems in patternmaking) Order no. OE 336-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2591.

**Reds launch spring offensive.**

MP, US Defense, 1951. 15 min, sd, b&w. Order no. CB 110.

Military operations in Korea from April 20 to May 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1661.

**Reduced voltage starters.**

MP, USOE, 1945. 23 min, sd, b&w. (Electrical work series. Motor control, no. 3) Order no. OE 390. With instructor's manual.

Principle of the transformer; operation of a manual starting compensator, thermal overload relay, and automatic starting compensator.

Buy from UWF. LC card FiE 52-181.

**Reduced voltage starters.**

FS, USOE, 1945. 46 fr, b&w. (Electrical work series. Motor control, no. 3) Order no. OE 390-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2661.

**Reflexes from the carotid bodies and sinuses in the dog.**

MP, USA, 1949. 19 min, sd, color. Order no. PMF 5115.

Records a demonstration conducted in the basic science course at the Army Medical Service Graduate School, of the roles played by the carotid sinuses in the regulation of respiration in the dog.

Borrow from USAFIP. LC card FiE 54-52.

**Refrigerated food storage principles.**

FS, USPHS, 1951. 62 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Food handling series, no. 2) Order no. F 21-b.

Explains the principles of refrigerated storage of foods and shows methods of storing foods in a refrigerator.

Borrow from USPHS--GDC. Buy from UWF. LC card FiE 53-978.

**Refrigeration service series. Commercial systems, nos. 1-5.**

Adjusting & repairing the thermo expansion valve

Adjusting pressure actuated temperature control devices

Adjusting commercial thermostatic controls

Servicing water-cooled condensers

Making and repairing tubing connections

**Refrigeration service series. Domestic units, nos. 1-10**

Checking the system. Part 1: General procedure

Checking the system. Part 2: Trouble shooting

Locating and repairing leaks

Adding or removing refrigerant

Removing and installing a compressor or condenser

Removing and installing a cooling unit

Adjusting and checking the expansion valve

Checking and replacing a float valve

Checking the electrical system

Quieting a noisy refrigerator

**Refueling the airplane.**

FS, USN, 1943. 40 fr, b&w. Order no. SN 2790.

Shows step-by-step the procedures to be observed in refueling an airplane.

Borrow from USCAA film libraries. LC card FiE 54-795.

**Regando la tierra.**

MP, USIAA, 1947. 9 min, sd, color. Spanish version of motion picture with title, Water on the land.



Explains the values of irrigation in farming and demonstrates some simple irrigation methods. Buy from USIAA. Cleared for TV. LC card FIE 52-573.

**Regeneration.**

FS, USN, 1942. 23 fr, b&w. Order no. SN 655.

Describes the principles involved in setting up a regenerative circuit and explains its effects and their control.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1875.

**Rehabilitation of chronic neurological cases.**

MP, USVA, 1947, 20 min, sd, b&w.

Explains the rehabilitation program at the Veterans Administration Hospital in Minneapolis by following a patient through the entire rehabilitation course and observing the development and characteristics of the program. Primarily for professional and administrative groups.

Borrow from USVA. LC card FIE 54-128.

**Rehabilitation of the blind.**

MP, USIA, 1951. 10 min, sd, b&w.

Pictures processes used in the United States in rehabilitation of the blind, including eating and direction training, emphasis upon other senses, training for trades and occupations, and the importance of psychological adjustment by the blind. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2206.

**Rehabilitation: Voyage to recovery.**

MP, USN, 1945. 31 min, sd, color. Order no. MN 4330-a.

Explains how medical officers, nurses, hospital corpsmen, chaplains, and the Red Cross work together in the Navy's rehabilitation program.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1335.

**The reinforced rifle platoon in the attack of a built up area. Part 2: The attack.**

MP, USA, 1954. 35 min, sd, b&w. Order no. TF 7-1642.

Demonstrates the tactical planning, preparation, and execution of an attack on an enemy held town by a reinforced rifle platoon. Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 55-27.

**Relative movement. Part 1: Relative movement and interception.**

MP, USN, 1944. 14 min, sd, b&w. (Navigation series) Order no. MN 83-y.

Shows the basic principles of relative movement and interception between planes and ships, the angle between the relative motion line and the ship's course, relation between speed and direction, and how to plot course and determine the time of arrival of plane and ship.

Buy from UWF. LC card FIE 52-985.

**Relative movement. Part 2: Out and in search, relative wind.**

MP, USN, 1944. 13 min, sd, b&w. (Navigation series) Order no. MN 83-z.

Covers relative movement, computing time speed when leaving and returning to carrier, searching on a relative bearing to a carrier, and relative wind.

Buy from UWF. LC card FIE 52-986.

**Relative movement. Part 3: Geographic sector search, relative sector.**

MP, USN, 1945. 16 min, sd, b&w. (Navigation series) Order no. MN 83-aa.

Uses animation, geographic plot, and vector diagrams to explain a relative sector search and a geographic sector search from a carrier.

Buy from UWF. LC card FIE 52-987.



**Removal and replacement of main bearings.**

MP, USN, 1944. 22 min. sd. b&w. (Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-d.

Demonstrates how to remove and replace upper and lower main bearings; and clean, inspect, and measure bearing shells.

Buy from UWF. LC card FiE 52-1152.

**Removal of an impacted mandibular third molar by controlled sectioning.**

MP, USA, 1952. 10 min. sd, color. (Dentoalveolar surgery series) Order no. PMF 5189.

Presents the technique utilizing a bur and flat blade elevator for controlled sectioning of impacted teeth as demonstrated on a simple mesio-angular lower third molar. Step by step X-rays illustrate the principles involved. For dental personnel.

Borrow from USAFIP. LC card FiE 53-20.

**Removal of cylinder liner.**

MP, USN, 1944. 27 min. sd, b&w. (Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-j.

How to remove liner, including various connections and lines, timing mechanism, connecting rods, and upper crankshaft.

Buy from UWF. LC card FiE 52-1158.

**Removal of inspection nozzles.**

MP, USN, 1944. 5 min. sd, b&w. (Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-b.

Demonstrates how to remove injection nozzles, cylinder relief valve, indicator cock, and the air start check valve.

Buy from UWF. LC card FiE 52-1150.

**Removal of intraocular foreign bodies.**

MP, USN, 1945. 22 min. sd, color. (Eye surgery series) Order no. MN 2477-b.

Shows how to locate and operate to remove metallic and non-metallic bodies from the eye. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1086.

**Removal of magnetic foreign bodies from the eye.**

MP, USA, 1946. 14 min. si, color. Order no. PMF 5020.

Demonstrates techniques in removing magnetic foreign bodies from the eye. Portrays the handling of a detached retina case. For medical personnel.

Borrow from USAFIP. LC card FiE 52-2224.

**Removal of pistons.**

MP, USN, 1944. 21 min. sd, b&w. (Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-c.

Demonstrates how to disconnect and remove both upper and lower pistons.

Buy from UWF. LC card FiE 52-1151.

**Removing a section of piping aboard ship.**

MP, USN, 1943. 13 min. sd, b&w. (Shipbuilding skills series. Pipefitting) Order no. MN 2337-a.

Explains the purpose of the piping system; shows how to remove a section of pipe aboard ship; and defines outside diameter, pitch diameter, pitch cord, bleeding point, and backing-off.

Buy from UWF. LC card FiE 52-1189.

**Removing and inspecting cylinders.**

MP, USOE, 1945. 18 min. sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 262. With instructor's manual.

How to remove the cylinder assemblies from the engine; disassemble the cylinder assemblies; and clean, inspect, and recondition the cylinders.

Buy from UWF. LC card FiE 52-253.



**Removing and inspecting cylinders.**

FS, USOE, 1945. 44 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 262-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2627.

**Removing and installing a compressor or condenser.**

MP, USOE, 1945. 17 min, sd, b&w. (Refrigeration service series. Domestic units, no. 5) Order no. OE 442. With instructor's manual.

How to evacuate and remove a compressor in a domestic refrigerator; evacuate a stuck compressor; install the compressor; and remove and install a condenser.

Buy from UWF. LC card FiE 52-225.

**Removing and installing a compressor or condenser.**

FS, USOE, 1945. 42 fr, b&w. (Refrigeration service series. Domestic units, no. 5) Order no. OE 442-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2703.

**Removing and installing a cooling unit.**

MP, USOE, 1945. 19 min, sd, b&w. (Refrigeration service series. Domestic units, no. 6) Order no. OE 443. With instructor's manual.

Common cooling unit disorders in a domestic refrigerator; how to evacuate valved evaporators; remove an oil-logged evaporator; install the evaporator; and install a direct expansion cooling unit.

Buy from UWF. LC card FiE 52-226.

**Removing and installing a cooling unit.**

FS, USOE, 1945. 32 fr, b&w. (Refrigeration service series.

Domestic units, no. 6) Order no. OE 443-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2704.

**Removing and replacing balance wheel screws.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 7)

Shows how to place a balance wheel in a block, loosen and remove the screws, hold and steady the balance wheel, and clean and dry the balance wheel.

Borrow from USVA. LC card FiE 54-178.

**Removing defective rivets.**

MP, USOE, 1943. 15 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 6) Order no. OE 141. With instructor's manual.

How an inspector marks defective rivets; how to drill the heads of flush-type and brazier head rivets; and remove the shank and head after drilling.

Buy from UWF. LC card FiE 52-34.

**Removing defective rivets.**

FS, USOE, 1943. 53 fr, b&w. (Aircraft work series. Assembling and riveting, no. 6) Order no. OE 141-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2547.

**Repainting a frame building.**

MP, USOE, 1944. 18 min, sd, b&w. (Farm work series. Painting, no. 1) Order no. OE 460. With instructor's manual.

How to prepare a building for painting; set up staging; prepare paint; apply the prime and second coats; and care for brushes, paint, and equipment.

Buy from UWF. LC card FiE 52-287.

**Repainting a frame building.**

FS, USOE, 1945. 44 fr, b&w. (Farm work series. Painting, no. 1) Order no. OE 460-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2744.

**Repair of recto-urethral fistula.**  
MP, USA, 1947. 8 min, sd, color.  
Order no. PMF 5068.

Portrays a case with injury to the large and small intestine, the bladder, urethra, and rectum, caused by bullet wounds. Shows exploratory laparotomy scar, cystotomy, colostomy, and abdominal fistula wounds. Features closure of complete fistula by use of the Whitehead principle of advancement of the rectum. For medical personnel.

Borrow from USAFIP. LC card FIE 53-68.

**Repair of ruptured membranous urethra.**

MP, USA, 1946. 8 min, si, color.  
Order no. PMF 5022.

Demonstrates a surgical method of repairing a ruptured membranous urethra. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2225.

**Repair to skull defects with tantalum plates.**

MP, USA, 1948. 13 min, sd, color.  
Order no. PMF 5086.

Demonstrates techniques of repairing skull defects with tantalum plates. Shows how to make the impression for the plate, the performance of the operation, insertion of the plate in two operations, and postoperative results. For medical personnel.

Borrow from USAFIP. LC card FIE 53-54.

**Repairing a wooden rib.**

MP, USOE, 1945. 24 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 247. With instructor's manual.

How to remove gussets and broken rib parts; splice a section of cap strip; cut and finish a scarf joint; make a new truss member; and make and assemble gussets and reinforcement plates.

Buy from UWF. LC card FIE 52-275.

**Repairing a wooden rib.**

FS, USOE, 1945. 42 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 247-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2735.

**Repairing aircraft tires.**

MP, USOE, 1945. 20 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 254. With instructor's manual.

How to inspect an airplane tire; remove the tire; remove the tube from the tire; vulcanize the tube; repair a cut in the tire; and reinstall the wheel.

Borrow from USCAA Film Libraries. Buy from UWF. LC card FIE 52-236.

**Repairing aircraft tires.**

FS, USOE, 1945. 50 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 254-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2723.

**Repairing and relining mechanical brakes.**

MP, USOE, 1945. 21 min, sd, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 256. With instructor's manual.

How to check brake action; remove wheel and inspect brakes; disassemble wheel and remove brake lining; install new brake lining; replace brake cables; and adjust brakes.

Buy from UWF. LC card FIE 52-281.

**Repairing and relining mechanical brakes.**

FS, USOE, 1945. 54 fr, b&w. (Aircraft work series. Aircraft maintenance) Order no. OE 256-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2730.



**Repairing structural tubing.**

MP, USOE, 1945, 20 min, sd, b&w.  
(Aircraft work series. Aircraft maintenance) Order no. OE 253.  
With instructor's manual.

How to straighten a bent tube; round out a tube; remove a damaged section of tube; prepare a replacement section; prepare internal reinforcing sleeves; and assemble and weld the replacement section and sleeves.

Buy from UWF. LC card FIE 52-276.

**Repairing structural tubing.**

FS, USOE, 1945. 47 fr, b&w.  
(Aircraft work series. Aircraft maintenance) Order no. OE 253-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-274.

**Replacement of cylinder liner.**

MP, USN, 1944. 26 min, sd, b&w.  
(Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-k.

How to replace cylinder liner, including upper crankshaft, connecting rods, timing mechanism, and various connections and lines.

Buy from UWF. LC card FIE 52-1159.

**Replacement of injection nozzles.**

MP, USN, 1944. 6 min, sd, b&w.  
(Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-f.

Demonstrates how to replace injection nozzles, cylinder relief valve and indicator cock, and the air start valve.

Buy from UWF. LC card FIE 52-1154.

**Replacement of pistons.**

MP, USN, 1944. 20 min, sd, b&w.  
(Fairbanks Morse Diesel engine maintenance series) Order no. MN 3691-e.

Demonstrates how to replace and connect both upper and lower pistons.

Buy from UWF. LC card FIE 52-1153.

**Replacing oil cooler tubes.**

MP, USN, 1944. 11 min, sd, b&w.  
Order no. MN 4185-b.

Demonstrates how to test and replace a leaking tube in an oil filter.

Buy from UWF. LC card FIE 52-1339.

**Report from Tokyo.**

MP, USN, 1946. 22 min, sd, b&w.  
Order no. MN 9139-a.

An explanation by high ranking Japanese navy officers and public officials of why Japan lost the war.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1309.

**Report of the Navy**

MP, USN, 1954. 20 min, sd, color.  
Order no. MN 7866.

Report of U.S. Navy operations during 1953-54 including combat scenes in the Korean War.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-451.

**Report on Aberdeen Proving Ground.**

MP, US Defense, 1952. 18 min, sd, b&w. Order no. RTAF 143.

Illustrates the tests and experiments made on new military weapons at Aberdeen Proving Ground, Maryland. Prepared for use by U.S. Armed Forces personnel.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-648.

**Report on the living.**

MP, USPHS, 1951. 25 min, sd, b&w.

Documentary story of the recovery of Richard Wood, age 10, from rheumatic heart disease following his treatment with ACTH, the adrenocorticotrophic hormone compound.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FIE 52-2178.



**Report to the American people on the technical cooperation program.**

MP, USFOA, 1954. 26 1/2 min, sd, b&w.

Explains how American technical cooperation programs are set up and operated in countries participating in these programs. Illustrates work in health, education, and agriculture in different countries.

Borrow from EFLA. Buy from UWF. Cleared for TV. LC card FIE 55-50.

**Reproducers.**

FS, USN, 1942. 29 fr, b&w. Order no. SN 654.

Reviews principles of electromagnetism and applies them to reproducers. Shows schematic make-up and operation of simple head phone and dynamic type loud speakers.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1874.

**Repulsion-induction motor: General overhaul.**

MP, USOE, 1945. 25 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 6) Order no. OE 397. With instructor's manual.

How to check a repulsion-induction motor for electrical and mechanical faults; dismantle it; remove a damaged coil; wind and insulate a new coil; and assemble and lubricate the motor.

Buy from UWF. LC card FIE 52-180.

**Repulsion-induction motor: General overhaul.**

FS, USOE, 1945. 33 fr, b&w. (Electrical work series. Motor maintenance and repair, no. 6) Order no. OE 397-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2660.

**Repulsion motor principles.**

MP, USOE, 1945. 18 min, sd, b&w. (Electrical work series. Electric

cal machinery, no. 5) Order no. OE 387. With instructor's manual. Explains construction of repulsion motor; rotor circuits and effect of brush position; short-circuiting and brush-lifting mechanism; and applications of repulsion motors.

Buy from UWF. LC card FIE 52-243.

**Repulsion motor principles**

FS, USOE, 1945. 40 fr, b&w. (Electrical work series. Electrical machinery, no. 5) Order no. OE 387-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2711.

**Rescue squad.**

MP, USIA, 1952. 15 min, sd, b&w. Describes the work of a volunteer rescue squad ready at all times to render emergency assistance and first aid in case of accidents or disasters in the area. Shows some of the skills required of squad members and the squad at work at various types of emergencies. Prepared for overseas use.

Buy from UWF. LC card FIE 54-253.

**Research and development.**

MP, US Defense, 1950. 22 min, sd, b&w. Order no. AFSR 114.

Shows how research and development programs carried on in industry and universities help to improve arms and materiel for the armed forces.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1410.

**Research for better living.**

MP, USDA, 1952. 17 min, sd, color. Revision of 1948 film with the same title.

Shows examples of the work done by the U.S. Dept. of Agriculture, Bureau of Human Nutrition and Home Economics in the fields of food and nutrition, textiles and clothing, housing and household equipment, and family economics.



Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-2161.

**Reserve fleet activation, introduction.**

MP, USN, 1950. 14 min, sd, b&w.  
Order no. MN 6725-a.

An overall view of the procedure for activation of a U.S. Navy ship using a destroyer as an example. Shows the organization of the activation instruction (A/I) team and the activation details (A/D) team.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-366.

**The reserve team.**

MP, USDefense, 1949. 20 min, sd, b&w. Order no. AFSR 108.

Stresses the need for a trained reserve force for defense; and explains how the Army is developing auxiliary defense organizations such as the National Guard, Organized Reserve Corps, Air Reserve Corps, and Reserve Officers Training Corps.

Borrow from USA. Buy from UWF. LC card FIE 52-1406.

**Resistance welding.**

MP, USBM, 1946. 12 min, sd, b&w. (How to weld aluminum series) Order no. 222.

Shows aluminum welds made under heat and pressure; two types of spot-welding machines; the use of carbon electrodes in high-speed resistance welding; tests for checking the size and strength of welds; and examples of sound and unsound welds.

Borrow from USBM. Cleared for TV. LC card FIE 52-650.

**Resistive exercises in physical therapy for thorocoplasty.**

MP, USVA, 1950. 26 min, sd, color.

Explains how the skeletal structure and muscle balance are affected by thoracic surgery; describes the deformities often resulting from thoracic surgery; and shows how such deformities can be minimized or corrected by

posture, over-correction, and resistive exercises. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-102.

**Respiratory protection.**

MP, USN, 1944. 13 min, sd, b&w.  
Order no. MN 1921-e.

Explains the importance of safety devices and describes various types of respiratory masks designed to protect workers from dust, fumes, and gases.

Withdrawn from sale in 1951.  
Rent from some film libraries.  
LC card FIE 54-222.

**Respiratory reflexes demonstrated in the rabbit.**

MP, USA, 1949. 13 min, sd, color.  
Order no. PMF 5112.

Demonstrates some of the simpler respiratory reflexes and their pathways in the rabbit.

Borrow from USAFIP. LC card FIE 53-39.

**Retailing fish.**

MP, USFWS, 1948. 21 min, sd, color.

Shows and explains the layout and operation of a retail fish store, including the selection, handling, display, and selling of fresh and frozen fish.

Borrow from USFWS. Buy from UWF. LC card FIE 53-125.

**Retailing prepackaged produce.**

FS, USDA, 1951. 42 fr, b&w.  
Order no. 691. With lecture notes.

Shows methods used by retailers in handling, displaying, and merchandising prepackaged fruits and vegetables.

Buy from PhotoLab. LC card FIE 53-1028.

**Return of the pines.**

MP, USDA, 1948. 17 min, sd, color.

Shows the value of the white pine forests in the southern Appalachians, the effects of white pine blister rust (a fungus disease) and the efforts being made in this region to control and eradicate the disease.



Borrow from USFS-BR. Buy from UWF. LC card FiE 52-450.

**The return of the zipper fleet.**

MP, US Defense, 1951. 17 min, sd, b&w. Order no. AFSR 137. Shows the reactivation and return to duty of vessels in the U.S. Navy's "mothball" fleet following the Communist invasion of South Korea.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-2044.

**Reunited.**

MP, USA, 1946. 12 min, sd, b&w. Order no. MF 1267.

Points out the educational and vocational benefits of the Enlisted Reserve Corps and outlines procedures for enlisting.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1612.

**Revision and reamputation of the lower extremity.**

MP, USN, 1945. 29 min, sd, color. (Amputations series, no. 2) Order no. MN 3429-b.

Demonstrates a Syne amputation; lower leg reamputation at the site of fracture; Strokes-Gritti amputation; and a revision and a secondary closure. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1145.

**Rheumatoid arthritis of the spine.**

MP, USA, 1951. 34 min, sd, b&w. Order no. PMF 5163.

Defines rheumatoid arthritis of the spine, and shows a typical case with its history. Emphasizes the etiology of the disease and predisposing factors, and shows the pathology, symptoms, laboratory findings, differential diagnosis, and treatment of the disease. For medical personnel.

Borrow from USAFIP. LC card FiE 53-23.

**Rhythm, speed, and accuracy in hand sending.**

MP, USN, 1944. 12 min, sd, b&w. (Radio operator training series) Order no. MN 2621-c.

Discusses sequence in rhythm and timing; points out that clear, distinct sending is essential in order to assure proper receiving at destination; compares several senders' ability by means of the recording tape.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1102.

**Rib stitching.**

MP, USN, 1942. 20 min, sd, b&w. Order no. MN 192.

Explains why and how to rib stitch fabric covered airplane wings; describes use of reinforcing tape, spacing of stitches, type of needle and cord used, knots for starting and typing of stitches, stitching to capstrips, and splicing.

Buy from UWF. LC card FiE 52-1022.

**Rice and bulls.**

MP, USECA, 1950. 15 min, sd, b&w.

Shows how cooperation among farmers, new methods, and Marshall aid machinery were used to reclaim and irrigate salt lands of the Camargue in Southern France, and increase the rice yields and prosperity of the region. Produced for European use. Borrow from EFLA. Cleared for TV. LC card FiE 53-580.

**Richer range rewards.**

MP, USDA, 1946. 32 min, sd, color.

Shows the fundamentals of good range management in the western United States.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-431.

**Rickettsia--laboratory procedure for their isolation and identification.**

MP, USA, 1949. 47 min, sd, color. Order no. PMF 5114.

Shows the step-by-step technique of laboratory diagnosis of rickettsial disease; compares gross pathology with normal pathology; emphasizes fundamentals of sterile technique in the handling of infected laboratory animals.



Borrow from USAFIP. LC card  
FIE 54-53.

The rifle company in the attack.  
MP, USA, 1950. 35 min, sd, b&w.  
Order no. TF 7-1521.

Portrays a regimental advance in which a rifle company is ordered to seize an enemy-held ridge, reorganize, and advance to take another ridge.

Borrow from USA. Cleared for  
TV. LC card FIE 55-163.

Rifle marksmanship with the M-1 rifle series. Preparatory training, nos. 1-6.

Sighting and aiming

Positions

Trigger squeeze

Rapid fire

Elevation and windage

Zeroing and use of the score book.

The rifle squad in attack.

MP, USA, 1949. 25 min, sd, b&w.  
Order no. TF 7-1504.

Explains tactics used in the employment of a rifle squad in an attack; and shows briefing of the squad, planning of the action, and the combat operations of the squad.

Borrow from USA. Cleared for  
TV. LC card FIE 52-2193.

Rigging blocks.

MP, USN, 1944. 11 min, sd, b&w.  
(Shipbuilding skills series. Rigging) Order no. MN 2340-h.

Shows operation of tackle pulleys--whip, gun, luff, and two-fold purchase; and explains how mechanical advantage is obtained.

Buy from UWF. LC card FIE  
52-1206.

Rigging blocks.

FS, USN, 1945. 57 fr, b&w. (Shipbuilding skills series. Rigging) Order no. SN 2340-u.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE  
52-1795.

Rigging changes after flight.

FS, USN, 1943. 43 fr, b&w. Order no. SN 1999.

Shows construction faults revealed by test flights; tail, wings, and nose heaviness; yawing; ground looping; and how to make corrections.

Buy from UWF. LC card FIE  
52-1773.

Rigging\* 105mm howitzer for heavy drop.

MP, USA, 1952. 26 min, sd, b&w.  
Order no. FB 245.

Shows in detail the proper technique for rigging a 105mm howitzer for aerial delivery, and illustrates the drop of this howitzer from a C-82 plane.

Borrow from USA. Cleared for  
TV. LC card FIE 55-197.

Right of way.

MP, USOWI, 1943. 7 min, sd, b&w.  
Follows a troop train, a freight train, and a truck rushing to deliver men and supplies to a ship convoy in 1943; and explains the reasons for transportation shortages in wartime.

Buy from UWF. LC card FIE  
52-756.

Rigid and swinging staging.

MP, USN, 1944. 18 min, sd, b&w.  
(Shipbuilding skills series. Rigging) Order no. MN 2340-c.

Shows how to set up rigid staging, use A-frame stage and extension, double boards overlapped, and a life line; how to rig swinging staging, using single width boards and life-lines; and how to take down staging and stow it.

Buy from UWF. LC card FIE  
52-1203.

Ring of steel.

MP, USOWI, 1942. 9 min, sd, b&w.  
Historical summary and tribute to American soldiers from 1776 to 1942, forging a "ring of steel" around American democracy.

Buy from UWF. LC card FIE  
52-757.

Rio de Janeiro.

MP, USOIAA, 1945. 17 min, sd, b&w.

Tourist view of the city.



Rent from some USOLAA film libraries. Buy from UWF. LC card FiE 52-722.

**Ripping and cross-cutting.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining series. Operations on the variety saw, no. 1) Order no. OE 306. With instructor's manual. How each working part of the variety saw functions; how to check saw blades; set the fence; change saw blades; use a cutoff gage; and use a hinged block in crosscutting.

Buy from UWF. LC card FiE 52-60.

**Ripping and cross-cutting.**

FS, USOE, 1945. 43 fr, b&w. (Precision wood machining series. Operations on the variety saw, no. 1) Order no. OE 306-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2553.

**The river.**

MP, USDA, 1939. 32 min, sd, b&w. A documentary story of the Mississippi River. Traces the history of the Mississippi River and its tributaries; shows that the destruction of forests had led to erosion and the loss of soil, floods, and the loss of lives and property; and emphasizes the need for conservation and rehabilitation.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-504.

**River of gold.**

MP, USA-Eng, 1950. 32 min, sd, color.

Explains the Pick-Sloan plan for development of the Missouri River Basin and the role of the U.S. Army Corps of Engineers in this plan.

Borrow from USA-Eng. Cleared for TV. LC card FiE 52-1979.

**The river people.**

MP, USBIA, 1949. 25 min, sd, color.

Explains how the Pima Indians exemplify the Indian problem; shows the origin and development of the problem, and steps being taken to alleviate the problem.

Buy from USBIA. LC card FiE 52-801.

**River run.**

MP, USDA, 1951. 16 min, sd, color or b&w.

Shows the values of proper management of privately-owned forests, illustrated particularly by the continued productivity of the forests of the Machias River watershed in Maine, culminating each year in a log drive down the Machias River.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-473.

**Road construction and maintenance in CBI.**

MP, USA, 1945. 20 min, sd, b&w. Order no. FB 182.

Shows how U.S. Engineers overcame many obstacles in building roads over high mountains and through dense jungles in the China-Burma-India theater of operations during World War II.

Borrow from USA. Buy from UWF. LC card FiE 52-1673.

**Road expedients.**

MP, USA, 1943. 20 min, sd, b&w. (Military roads series, no. 1) Order no. TF 5-1193.

Demonstrates expedient methods of road construction in marshy and sandy soils; and shows the use of corduroy, wire mesh, and other materials in road construction.

Borrow from USA. Buy from UWF. LC card FiE 52-1497.

**Road repair and maintenance.**

MP, USA, 1943. 9 min, sd, b&w. (Military roads series, no. 3) Order no. TF 5-1195.

Demonstrates how to repair craters, culverts, ditches, chuck holes, and road surfaces with materials found locally; and stresses the importance of keeping military roads open.



Borrow from USA. Buy from UWF. LC card FIE 52-1499.

**Road show.**

MP, USAF, 1949. 11 min, sd, b&w. Order no. SFP 244.

Shows an exhibit of the Air Materiel Command and its use on a tour of the country. Includes scenes of some of the planes portrayed in the exhibit in flight operations.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1437.

**Road to decision.**

MP, USVA, 1947. 30 min, sd, b&w. Explains to disabled veterans the purpose, function, and value of the vocational counselling services of the Veterans Administration.

Borrow from USVA. LC card FIE 55-39.

**Road to peace.**

MP, USA-CAD, 1951. 9 min, sd, b&w.

Explains that the people of the East stand at a crossroads with one of two paths to follow--peace or war--and that the road to peace lies in the program of the United Nations. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. Cleared for TV. LC card FIE 52-1937.

**Road to reason.**

MP, USVA, 1951. 28 min, sd, b&w. Revision, prepared for television, of film with the title, Activity for schizophrenia.

Explains phases of the treatment given mental patients in Veterans Administration hospitals.

Borrow from USVA. Cleared for TV. LC card FIE 53-657.

**Roads and erosion.**

MP, USDA, 1941. 21 min, sd, b&w. Shows cooperative conservation measures of farmers and highway departments to control farm and highway erosion.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-438.

**Roads south.**

MP, USOIAA, 1942. 19 min, sd, b&w.

Shows various means of transportation in South and Central America, from burros over mountain trails to airplanes through the sky.

Borrow from USCAA film libraries. Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-680.

**Roadside marketing.**

FS, USDA, 1939. 51 fr, b&w. Order no. 273. With lecture notes. Shows several types of roadside stands, and explains how to make stands attractive by location, display, signs, and advertising.

Buy from PhotoLab. LC card FIE 52-2940.

**Rocket Instrumentation.**

MP, USA, 1949. 15 min, sd, b&w. Order no. FB 231.

Shows the various methods and instruments used to track and record the speed, distance and flight of rockets; and how the data recorded are used for improving rocket design and development.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1683.

**Rocky Mountain spotted fever vaccine.**

MP, USPHS, 1940. 17 min, si, color.

Shows the life cycle of the Rocky Mountain wood tick, *Dermacentor andersoni*, and the method of preparation of RMSF vaccine by the tick method. For bacteriology, parasitology, and public health students.

Borrow from USPHS. LC card FIE 54-259.

**Rodent control series, nos. 1-8.**

The rat problem

The Norway rat, habits and characteristics

The roof rat, habits and characteristics

Sanitation techniques in rat control



Ratproofing  
Rat killing  
Area poisoning  
Rat ectoparasite control

Rodent control series, nos. 1-7.  
The rat problem  
Habits and characteristics of the Norway rat  
Habits and characteristics of the roof rat  
Sanitation techniques in rat control  
Ratproofing  
Rat killing  
Rat ectoparasite control

Role of the combat cameraman.  
MP, US Defense, 1952. 14 min, sd, b&w. Order no. RTAF 141.  
Explains and documents pictorially the role of the combat photographer from World War I to Korea. Shows that his pictures are a source of historical record, an asset to military intelligence, and an aid in training troops.  
Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2073.

The role of the recruit company commander.  
MP, USN, 1952. 29 min, sd, b&w. Order no. MN 6919-a.  
Discusses the problem of stress experienced by new recruits in a training center, and its significance in relation to the leadership function performed by the recruit company commander. Designed to be used in group discussion with a psychiatrist or clinical psychologist as discussion moderator.  
Borrow from USN-BuMed. LC card FIE 54-129.

The role of the warden in fire.  
FS, USFCDA, 1952. 45 fr, color with disc: 12 in, 33 1/3 rpm, 10 min. Order no. 4. With training bulletin.  
Shows the pre- and post-attack duties of civil defense wardens in fire fighting.  
Borrow from USFCDA. Buy from SVE. LC card FIE 55-525.

The role of the warden in moving disaster victims to welfare assembly areas.

FS, USFCDA, 1953. 64 fr, color with disc: 12 in, 33 1/3 rpm, 13 min. Order no. 10. With training bulletin.

Explains how a civil defense warden plans for the movement of uninjured disaster victims to welfare assembly areas.

Borrow from USFCDA. Buy from SVE. LC card FIE 55-531.

The role of the warden in receiving and billeting evacuees.

FS, USFCDA, 1953. 62 fr, color with disc: 12 in, 33 1/3 rpm, 13 min. Order no. 9. With training bulletin.

Explains how a civil defense warden assists emergency welfare services in receiving and billeting evacuees.

Borrow from USFCDA. Buy from SVE. LC card FIE 55-530.

The role of the warden in rescue.  
FS, USFCDA, 1952. 57 fr, color with disc: 12 in, 33 1/3 rpm, 10 min. Order no. 3. With training bulletin.

Shows the pre- and post-attack rescue duties of civil defense wardens and some of the problems which may be involved in such rescue work.

Borrow from USFCDA. Buy from SVE. LC card FIE 55-524.

Rolled earth dams.

MP, USA-Eng, 1950. 25 min, sd, color.

Shows by animation the component parts of an earth dam and portrays the methods used by the U.S. Army Corps of Engineers in the construction of such dams.  
Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1997.

The roof rat, habits and characteristics.

MP, USPHS, 1954. 8 min, sd, b&w. (Rodent control series, no. 3) Order no. M 37.1-c. Short version of motion picture with the title, Habits and characteristics of the roof rat.



Explains and pictures the characteristics and habits of the roof rats--their climbing ability, physical characteristics, and feeding and nesting habits. Makes the point that only by knowing the habits of the roof rats can man control them.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-166.

**Root canal therapy: Endodontia.** MP, USN, 1948. 26 min, sd, color. Order no. MN 5368.

Describes endodontia, which permits retention of teeth with exposed pulp; diagnosis and selection of cases, armamentarium, preparation of the root canal, cleaning electrosterilization, and filling of the canal; necessary tools and their uses. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1328.

**Ropes and knot tying, part 1.**

FS, USFCDA, 1953. 57 fr, b&w. Order no. STF 1.

Shows how to care for ropes, whip the ends of a rope, and tie knots for use in rescue work.

Buy from SVE. LC card FIE 55-511.

**Ropes and knot tying, part 2.**

FS, USFCDA, 1953. 63 fr, b&w. Order no. STF 2.

Shows how tie a square knot, bowline, and a double bowline to make a life basket.

Buy from SVE. LC card FIE 55-512.

**Rosary of the missions.**

MP, USIA, 1952. 18 min, sd, color.

Tells the story of the early founding of the chain of Spanish missions in California and the part played by Father Junipero Serra and other Franciscans in the work. Shows the restoration of the missions, their use today, and their contribution to art and architecture in America. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-247.

**Rotating magnetic fields.**

MP, USOE, 1945. 13 min, sd, b&w. (Electrical work series. Electrical machinery, no. 2) Order no. OE 384. With instructor's manual. Explains a rotating magnetic field pattern; three-phase winding in a demonstration stator; factors that cause rotation of the magnetic field; and the construction of polyphase motors.

Buy from UWF. LC card FIE 52-240.

**Rotating magnetic fields.**

FS, USOE, 1945. 44' fr, b&w. (Electrical work series. Electrical machinery, no. 2) Order no. OE 384-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2708.

**Rough-facing, boring, and turning a shoulder.**

MP, USOE, 1942. 22 min, sd, b&w. (Machine shop work series. Operations on the vertical boring mill, no. 2) Order no. OE 17. With instructor's manual.

How to set up a rough casting on a vertical turret lathe; face a flange and turn a shoulder with the sidehead turret; and face a flange and bore a hole with the vertical turret.

Buy from UWF. LC card FIE 51-518.

**Rough-facing, boring, and turning a shoulder.**

FS, USOE, 1943. 47 fr, b&w. (Machine shop work series. Operations on the vertical boring mill, no. 2) Order no. OE 17-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-57.

**Rough-facing, turning and drilling.**

MP, USOE, 1942. 31 min, sd, b&w. (Machine shop work series. Operations on the vertical boring



mill, no. 1) Order no. OE 16. With instructor's manual.

How to operate the controls of a vertical turret lathe; set up tools in the main turret head; rough-face and rough-turn an aluminum casting; and drill the center hole. Buy from UWF. LC card FIE 51-517.

**Rough-facing, turning and drilling.**

FS, USOE, 1943. 49 fr, b&w. (Machine shop work series. Operations on the vertical boring mill, no. 1) Order no. OE 16-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-58.

**Rough grinding.**

MP, USN, 1944. 27 min, sd, b&w. (Optical craftsmanship series. Flat surfaces) Order no. MN 2449-e.

Demonstrates procedures for grinding a flat optical surface by the hand method. Covers blocking of prisms to planoplate, procedures for hand grinding, cleaning of mill, inspection, measurement, deblocking, grinding of large pieces of optical glass, and edge grinding.

Buy from UWF. LC card FIE 52-1105.

**Rough grinding.**

MP, USOE, 1944. 26 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 180. With instructor's manual.

Explains three methods of rough grinding lenses; by hand, pinbar, and mechanical curvature generator; shows in detail how to hand grind a concave lens.

Buy from UWF. LC card FIE 52-349.

**Rough grinding.**

FS, USOE, 1944. 56 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 180-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2806.

**Rough grinding by pin-bar.**

MP, USOE, 1944. 19 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 181. With instructor's manual. How to use job card; select and adjust grinding tool; use abrasive; perform the grinding operation; clean the grinding tool; and correct worn grinding tools.

Buy from UWF. LC card FIE 52-350.

**Rough grinding by pin-bar.**

FS, USOE, 1944. 45 fr, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. OE 181-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2807.

**Rough grinding with a curvature generator.**

MP, USN, 1944. 15 min, sd, b&w. (Optical craftsmanship series. Spherical surfaces) Order no. MN 2449-d.

Demonstrates rough grinding of spherical surfaces by the curvature generator process; illustrates theory, function, and operation of the curve generating diamond grinding wheel.

Buy from UWF. LC card FIE 52-1116.

**Rough grinding with a vertical surface grinder.**

MP, USN, 1944. 26 min, sd, b&w. (Optical craftsmanship series. Flat surfaces) Order no. MN 2449-f.

Demonstrates machine grinding of flat surfaces to 1/10,000 inch tolerance and methods of blocking to grind all surfaces with a minimum of changes in position.

Buy from UWF. LC card FIE 52-1106.

**Rough-line boring.**

MP, USOE, 1945. 19 min, sd, b&w. (Machine shop work series. Operations on the horizontal boring



mill, no. 5) Order no. OE 229. With instructor's manual. How to install the boring bar and cutters; bore, counterbore, and spot-face holes; and reposition from one hole to another. Buy from UWF. LC card F1E 51-588.

#### **Rough line-boring.**

FS, USOE, 1945. 31 fr, b&w. (Machine shop work series. Operations on the horizontal boring mill, no. 5) Order no. OE 229-fs. Supplements motion picture with the same title. Buy from UWF. LC card F1E 51-95.

#### **Rough turning between centers.**

MP, USOE, 1941. 15 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 1) Order no. OE 6. With instructor's manual. How to set up an engine lathe; operate the controls; grind clearances on cutting tools; and rough-turn round bar stock to a specified diameter. Buy from UWF. LC card F1E 51-516.

#### **Rough turning between centers.**

FS, USOE, 1943. 41 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 1) Order no. OE 6-fs. Supplements motion picture with the same title. Buy from UWF. LC card F1E 51-18.

#### **Roughing-in nonmetallic sheathed cable.**

MP, USOE, 1945. 24 min, sd, b&w. (Electrical work series. Wiring, no. 3) Order no. OE 373. With instructor's manual. How to determine the location of required runs; install an offset bar hanger and ceiling outlet box; rough-in a circuit run; and make up connections for switches, receptacles, and fixtures. Buy from UWF. LC card F1E 52-103.

#### **Roughing-in nonmetallic sheathed cable.**

FS, USOE, 1945. 41 fr, b&w. (Electrical work series. Wiring, no. 3) Order no. OE 373-fs. Supplements motion picture with the same title. Buy from UWF. LC card F1E 52-2561.

#### **Routine admission chest X-ray in general hospitals.**

MP, USPHS, 1946. 22 min, sd, b&w. Advocates the installation of photofluorographic equipment in the admissions offices of general hospitals; demonstrates the operation of such equipment and the maintenance of patients' records; and explains how this system locates otherwise undetected cases of tuberculosis. Borrow from USPHS. Buy from UWF. LC card F1E 53-176.

#### **Routine X-ray procedures.**

MP, USN, 1945. 17 min, sd, color. Order no. MN 2613. Discusses X-ray procedures and the care of X-ray records; illustrates the preparation of forms, storage of films, and the preparation of film for interpretation by roentgenologist. Borrow from USN-BuMed. Buy from UWF. LC card F1E 52-1090.

#### **The rubber dam.**

MP, USN, 1948. 11 min, sd, color. (Operative dentistry series, no. 1) Order no. MN 5369-a. Shows complete silver amalgam technique, including rubber dam application, cavity preparation, tailored matrix application, and condensation and finishing of amalgam restoration. For dental personnel. Borrow from USN-BuMed. Buy from UWF. LC card F1E 52-1380.

#### **Rubber terrain models.**

MP, USN, 1946. 15 min, sd, color. Order no. MN 1866. Explains the value of terrain maps and demonstrates how rubber terrain maps are made. Borrow from USN. LC card F1E 55-87.



**Rude star identifier.**  
FS, USN, 1943. 57 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Navigation series) Order no. SN 83-t.

Explains how to use the star identification table; and demonstrates how to use template discs, establish local meridian, and find altitude and azimuth of Jupiter.

Buy from UWF. LC card FIE 52-1826.

**Rules in fog.**  
MP, USN, 1943. 17 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-v.

Explains when to use fog and danger signals, the meaning of fog signals under inland and international rules, and how to determine safe speed in fog.

Buy from UWF. LC card FIE 52-952.

**Rules of the nautical road series.**

The Beaver-Selja incident

City of Rome incident

Crossing at night

Crossing steam vessels

The El Isleo-Eastern Glade incident

Empress of Ireland-Storstad incident

The Halifax incident

Lights, running and anchor

Lights, vessels being towed

The McCormick-Yoshido Maru incident

Meeting at night

Meeting steam vessels

Overtaking at night

Overtaking situation

Quiz on lights and day signals

Rules in fog

Rules of the nautical road: Introduction

Special circumstances

Special lights

Special steering and sailing rules

The Svea-Newport incident

The Taurus-Gulf Trade incident

Towing lights

The Varanger-Dora Weems incident

Visual day signals

Whistle signals for approaching steam vessels

**Rules of the nautical road: Introduction.**

MP, USN, 1950. 22 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-b.

Describes and illustrates by animation international rules of navigation, the importance of taking bearings, and selected nautical terms.

Buy from UWF. LC card FIE 52-932.

**Rules of the road.**

FS, USCG, 1943. 69 fr, color. Order no. SCG 131.

Explains the rules applicable to different types of vessels in various bodies of water, and the meanings of whistle signals and of vari-colored light signals used at night.

Buy from UWF. LC card FIE 52-822.

**Running a permanent line and boring.**

MP, USOE, 1944. 32 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3) Order no. OE 341. With instructor's manual.

How to run the permanent line; establish reference marks on bulkhead, propeller post, and doubler ring; install and adjust the boring bar; and rough- and finish-bore propeller post and various bulkheads to specifications.

Buy from UWF. LC card FIE 52-214.

**Running a permanent line and boring.**

FS, USOE, 1944. 58 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 8. Laying out and installing stern tube, tail shaft, and propeller, no. 3) Order no. OE 341.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2694.



**Running a temporary line.**

MP, USOE, 1944. 22 min, sd, b&w. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1) Order no. OE 100. With instructor's manual.

How the propeller post is prepared for running a temporary line; how to adjust a line to the center of bulkhead openings; eliminate the sag when a line has been run; and check a temporary line for proper position.

Buy from UWF. LC card FiE 52-233.

**Running a temporary line.**

FS, USOE, 1944. 32 fr, b&w. (Shipbuilding skills series. Marine machinery installation, no. 6. Laying out and installing stern tube, tail shaft, and propeller, no. 1) Order no. OE 100-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2721.

**Rural colonial and early American homes and gardens.**

FS, USDA, 1936. 63 fr, b&w. Order no. 331. With lecture notes. Exterior and interior scenes of American homes of interest because of their historic importance.

Buy from PhotoLab. LC card FiE 52-2827.

**The rural co-op.**

MP, USA-CAD, 1948. 20 min, sd, b&w.

Explains how farmers in Rockingham County, Va., organized a rural cooperative, and shows some of the operations and benefits of this cooperative. Prepared for use in occupied areas.

Borrow from USFCA. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2102.

**Rural family living charts.**

FS, USDA, 1952. 35 double fr, color. Order no. C-26.

Charts of 1950-52 statistics of rural population, income and prices, family consumption, and education in the United States.

Buy from PhotoLab. LC card FiE 53-1050.

**Rural high school.**

MP, USIA, 1951. 18 min, sd, b&w. Students in a large rural high school reply to a letter from foreign students and explain, via the film, their school and home life in America. Includes scenes of the school, classes, social activities, and students' homes. Prepared for overseas use.

Buy from UWF. LC card FiE 53-1.

**Rural rat control.**

MP, USPHS, 1951. 16 min, sd, b&w. Order no. 4-116.

Explains how a farmer who understands rat habits can free his farm of rats through rat-proofing buildings and food sources, burying garbage in a one-man land fill, and using approved poisons.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-204.

**Rural women.**

MP, USIA, 1951. 54 min, sd, b&w. Depicts the life of American farm women. Centers around three families, explaining the role of rural clubs where women learn ways to lighten household work, better their families, and participate in community affairs. Locale: Iowa. Prepared for overseas use.

Buy from UWF. LC card FiE 54-254.

**SCAP CIE information centers.**

MP, USA-CAD, 1950. 20 min, sd, b&w.

Shows the various functions and facilities of the civilian information and education centers operated in Japan by the Supreme Commander, Allied Powers, including the public library center, recreation rooms, hobby shops, etc. Prepared for use in



occupied areas, particularly in Japan.

Buy from UWF. LC card no. FiE 52-2103.

**Saddling and bridling.**

MP, USA, 1942. 24 min, sd, b&w. (Horsemanship series, no. 1) Order no. TF 2-600.

Shows the parts of a saddle and bridle, and gives detailed instructions on blanketing, saddling, and bridling.

Borrow from USA. Buy from UWF. LC card FiE 52-1490.

**Safe aircraft.**

MP, USCAA, 1950. 24 min, sd, b&w; Order no. CA 20.

Explains how the Civil Aeronautics Administration and the aviation industry work together for safety during the manufacture and maintenance of aircraft.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2018.

**Safe airmen.**

MP, USCAA, 1950. 22 min, sd, b&w. Order no. CA 32.

Shows activities of aviation safety agents of the Civil Aeronautics Administration working with flight maintenance, communications, and other aviation personnel.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2017.

**Safe flight operations.**

MP, USCAA, 1950. 20 min, sd, b&w. Order no. CA 23.

Explains steps taken by the Civil Aeronautics Board, Civil Aeronautics Administration, and the aviation industry to further safe flight operations, and shows specific activities of the CAA aviation safety agent.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2016.

**Safe food for safe health.**

FS, USPHS, 1945. 81 fr, b&w, with disc: 16 in, 33 1/3 rpm, 15 min. (Our health in your hands series)

Explains why and how to buy, store, prepare, and serve food to protect it from contamination. For food handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FiE 53-879.

**Safe for solo.**

MP, USN, 1945. 22 min, sd, b&w. (Primary flight training series) Order no. MN 3474-n.

Explains flight instructions for emergency landings in various situations, and discusses altitudes, winds, airspeeds, ground approaches, and take-offs relative to each situation.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1166.

**Safe handling of compressed gases.**

FS, USN, 1946. 114 fr, color with disc: 16 in, 33 1/3 rpm, 25 min. (Navy industrial gases series) Order no. SN 6121-b.

Explains "don't's" to be observed in transporting, stowing, and handling gases; importance of temperature and moisture control; protection of valves; disposition of empty cylinders; and segregation of various kinds of gases.

Buy from UWF. LC card FiE 52-1820.

**Safe practices in handling DDT.**

FS, USPHS, 1945. 37 fr, b&w, with disc: 16 in, 33 1/3 rpm, 5 min. Order no. 5-005.

Explains the hazards of handling DDT, and precautions to be followed in using DDT in the home.

Borrow from USPHS-CDC. LC card FiE 53-885.

**Safe practices in the hoisting of material.**

FS, USAF, 1944. 82 fr, b&w. Order no. FS 1-545.

Discusses the construction and types of wire rope cable; how to seize it; how to use slings; right and wrong ways of clipping wire cable; the capacities of different wire ropes; hand signals used in



hoisting; use and care of manila ropes; and procedures to follow for safe hoisting.

Borrow from USCAA film libraries. LC card FIE 53-1002.

**Safe tuberculosis nursing.**

MP, USVA, 1950. 21 min, sd, b&w. Emphasizes the importance of asepsis in the nursing care of tuberculosis patients, and shows preventive measures to be used by nurses and hospital personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-103.

**Safeguarding military information.**

MP, USA, 1949. 16 min, sd, b&w. Order no. TF 30-1523.

Stresses the importance of safeguarding military information for both military and civilian personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-2091.

**Safety for welders.**

MP, USN, 1944. 7 min, sd, b&w. Order no. MN 1921-g.

Demonstrates protective clothing and equipment for welders in order to prevent eye injuries, skin burns, and metal fume poisoning.

Withdrawn from sale in 1951. Rent from some film libraries. LC card FIE 54-223.

**Safety in air stations.**

MP, USN, 1944. 13 min, sd, b&w. Order no. MN 1921-b.

Explains that accidents can be prevented by sensible application of safety rules and shows several examples of accidents caused by carelessness.

Withdrawn from sale in 1951. Rent from some film libraries. LC card FIE 54-224.

**Safety in aviation.**

MP, USCAA, 1951. 28 min, sd, b&w. Order no. CA 33.

Gives an overview of many of the activities of the aviation industry, the Civil Aeronautics Administration, and the Civil Aeronautics

Board in furthering safety in aviation.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2015.

**Safety in navy yards.**

MP, USN, 1944. 15 min, sd, b&w. Order no. MN 1921-a.

Explains the dangers of not wearing safety shoes, helmets, goggles, etc., and stresses the importance of following safety rules.

Withdrawn from sale in 1951. Rent from some film libraries. LC card FIE 54-225.

**Safety in offices.**

MP, USN, 1944. 10 min, sd, b&w. Order no. MN 1921-d.

Illustrates common office accidents and their causes.

Withdrawn from sale in 1951. Rent from some film libraries. LC card FIE 54-226.

**Safety in the shop.**

MP, USOE, 1944. 12 min, sd, b&w. (Problems in supervision series) Order no. OE 481. With instructor's manual.

Dramatizes three typical shop accidents and shows how poor supervision or inadequate training may have been the real cause behind these "accidents."

Buy from UWF. LC card FIE 52-342.

**Safety measures in tuberculosis laboratories.**

FS, USPHS, 1954. 37 fr, color with disc: 16 in, 33 1/3 rpm, 9 min. Order no. F 75.

Explains to laboratory technicians, directors, nurses, and doctors important safety measures that should be followed in tuberculosis laboratories.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-731.

**Safety on the water.**

MP, USCG, 1954. 28 min, sd, b&w.

Explains the importance of safety precautions and a knowledge of



seamanship in the operation of small pleasure boats.  
Borrow from USCG. Buy from UWF. Cleared for TV. LC card FIE 54-190.

**Safety practices for the motor vehicle driver--non-military driving.**

FS, USAF, 1944. 108 fr, b&w. Order no. FS 1-888.

Presents a variety of questions and typical situations to test the motor vehicle operator's knowledge of safe driving practices.

Borrow from USCAA film libraries. LC card FIE 53-997.

**Safety precautions for electronics personnel.**

MP, USN, 1951. 18 min, sd, b&w. Order no. MN 6754.

Shows electrical and mechanical hazards which electronics technicians encounter in their normal work, and stresses precautions which should be employed to prevent accidents.

Borrow from USCAA film libraries or USN. Buy from UWF. Cleared for TV. LC card FIE 52-1291.

**Saga of the USS Franklin.**

MP, USN, 1948. 25 min, sd, color. Order no. MN 9156.

Dramatized photographic report of the USS Franklin in action during World War II.

Borrow from USN. LC card FIE 55-95.

**Salute to the ladies.**

MP, USAF, 1948. 18 min, sd, b&w. Order no. SFP 227.

A tribute to the WACS, WASPS and flight nurses and the role they played in World War II.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1448.

**Salvage.**

MP, USOWI, 1942. 7 min, sd, b&w. A wartime appeal to salvage metals, rubber, and greases.

Withdrawn from sale in 1953.

Rent from some film libraries. LC card FIE 52-758.

**Sampling and testing drinking water.**

FS, USPHS, 1950. 74 fr, color with disc: 16 in, 33 1/3 rpm, 8 min. Order no. 5-140.

Presents instructions to be followed by sanitarians in the sampling of drinking water sources and in the procedures for identifying coliform organisms in drinking water.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-948.

**Sampling raw milk.**

MP, USPHS, 1952. 7 min, sd, b&w. Order no. M 51-b.

Shows in detail the procedures used by sanitarians in the collection of samples of raw milk for laboratory examination.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-222.

**San Francisco, 1945.**

MP, USOWI, 1945. 17 min, sd, b&w.

A motion-picture record of major events at the conference held in San Francisco in 1945 at which the United Nations was formed. Prepared for overseas use.

Buy from UWF. LC card FIE 52-748.

**San Pietro.**

MP, USA, 1945. 33 min, sd, b&w. (Campaign reports series) Order no. CR 2.

Documentary historical record of the battle of San Pietro in World War II and of the 5th American Army in this battle.

Borrow from USN. Buy from UWF. LC card FIE 52-1666.

**Sand and flame.**

MP, USBM, 1944. 21 min, sd, b&w. Order no. 212.

Explains how sand is transformed into a number of different shapes and kinds of glass; shows in detail the automatic bottle making process, the manufacture of glass bricks, and the making of shatter-proof glass panes for automobiles.

Borrow from USBM. Cleared for TV. LC card FIE 52-640.



**Sand bag bumping.**

FS, USN, 1942. 50 fr, b&w. Order no. SN 293.

How to prepare a template; cut the metal; select the right tools; bump the metal properly; and finish the job smoothly.

Buy from UWF. LC card FIE 52-1861.

**Sand table. Part 1: Preparation.**  
MP, USA, 1942. 27 min, sd, b&w. Order no. TF 7-265.

Shows the set-up and materials required for planning a sand table.

Borrow from USA. LC card FIE 55-181.

**Sand table. Part 2: Use.**

MP, USA, 1942. 20 min, sd, b&w. Order no. TF 7-266.

Describes the application of the sand table to tactical problems in a combat situation, and shows a completed table depicting mountains, valleys, rivers, roads, and forests.

Borrow from USA. LC card FIE 55-180.

**Sandfly control.**

MP, USA, 1947. 32 min, sd, color. Order no. PMF 5028.

Explains the symptoms and treatment of diseases transmitted by the sandfly; and describes the principles and methods of sanitation essential to control of the sandfly.

Borrow from USA or USAFIP. Buy from UWF. LC card FIE 52-1723.

**Sanding flat and irregular surfaces.**

MP, USOE, 1945. 19 min, sd, b&w. (Precision wood machining series. Operations on the sander, no. 1) Order no. OE 312. With instructor's manual.

How the belt sander operates; how to prepare a sanding belt; sand flat stock on a belt sander; sand curved molding; and use and replace sandpaper on a disk sander and on a spindle sander.

Buy from UWF. LC card FIE 52-47.

**Sanding flat and irregular surfaces.**

FS, USOE, 1945. 47 fr, b&w. (Precision wood machining series. Operations on the sander, no. 1) Order no. OE 312-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2538.

**Saneamento geral.**

MP, USOLAA, 1945. 9 min, sd, color. Portuguese version of motion picture with the title, Environmental sanitation.

Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.

Buy from USILAA. Cleared for TV. LC card FIE 52-548.

**Saneamiento del ambiente.**

MP, USOLAA, 1945. 9 min, sd, color. Spanish version of motion picture with the title, Environmental sanitation.

Explains why sanitary facilities and practices are necessary to protect the health and lives of people living in crowded cities. Animated cartoon.

Buy from USILAA. Cleared for TV. LC card FIE 52-549.

**Sanitary design in drinking fountains.**

FS, USPHS, 1947. 52 fr, b&w. Order no. 5-081.

Explains how improperly designed drinking fountains can transmit disease, and describes the characteristics of a properly designed fountain.

Borrow from USPHS-CDC. LC card FIE 53-920.

**Sanitary devices in the field. Part 1: Safe water, clean bodies, clothes, and mess gear.**

MP, USA, 1951. 30 min, sd, b&w. Order no. TF 8-1604.

Describes various methods employed by the Army to purify and heat water in the field for the purpose of sanitation.

Borrow from USA or USAFIP. LC card FIE 54-81.



**Sanitary devices in the field.  
Part 2: Disposal of wastes.**

MP, USA, 1951. 28 min, sd, b&w.  
Order no. TF 8-1605.

Demonstrates various ways to dispose of waste materials in the field in order to keep an army camp free of insects and rats.

Borrow from USA or USAFIP.  
Buy from UWF. LC card FIE 53-601.

**Sanitary land fills.**

MP, USPHS, 1947. 18 min, sd, color. Order no. 4-052. With film guide.

Shows the defects in open dump, garbage feeding, and incineration for garbage disposal; and describes the sanitary, economic, and social benefits of land fills, planned and operated as an engineering program.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2257.

**The sanitary market.**

MP, USIAA, 1947. 9 min, sd, color.

Explains the dangers of a filthy food market; shows the sanitary conditions which should be maintained in markets; and emphasizes that clean markets are a community responsibility.

Buy from USIAA. Cleared for TV. LC card FIE 52-554.

**Sanitary milk production on the farm.**

MP, USPHS, 1950. 13 min, sd, b&w. Order no. 4-099.

Explains the essentials of sanitary milk production on dairy farms, including cleansing and sterilizing milk utensils, keeping the barn and yard clean, washing and disinfecting cow udders and teats, cooling the milk, checking the health of the herd, and allowing only healthy persons as milk handlers.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-200.

**Sanitary storage and collection of refuse.**

MP, USPHS, 1952. 19 min, sd, color. Order no. M 4.

Shows operations essential in the sanitary handling and storage of refuse by individual citizens; and the municipal collection of such refuse from homes, restaurants, markets, and other sources.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-206.

**Sanitation techniques in rat control.**

MP, USPHS, 1954. 12 min, sd, b&w. (Rodent control series, no. 4. Practical rat control, no. 1) Order no. M 37.1-d.

Explains the importance of controlling rats by cutting down their food supply, and suggests various methods of garbage and refuse storage and removal.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-167.

**Sanitation techniques in rat control.**

MP, USA and USPHS, 1951: 21 min, sd, b&w. (Rodent control series, no. 4. Practical rat control, no. 1) Order no. TF 8-1672 or M 37-d.

Covers same material as in 1954 revision with the same title.

Borrow from USAFIP. Withdrawn from sale in 1954. LC card FIE 53-214.

**Sao Paulo.**

MP, USOLAA, 1944. 16 min, sd, b&w.

Tourist view of the city.

Rent from USOLAA film libraries. Buy from UWF. LC card FIE 52-739.

**Save a day.**

MP, USPHS, 1941. 10 min, sd, b&w.

Portrays activities of State industrial hygiene engineers such as taking dust counts in a factory and changing a miner's drill to prevent silicosis; explains experiments by the U.S. Public



**Health Service in low pressure pneumonia.**

Borrow from USPHS. LC card FiE 54-21.

**Save more lambs.**

MP, USDA, 1951. 7 min, sd, b&w. Shows farmers how to care for the ewes before and after lambing time in order to cut down the death losses among baby lambs.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2162.

**Save the soil.**

MP, USDA, 1940. 11 min, sd, b&w. Shows various ways of conserving soil fertility, including terracing, cover-cropping, crop rotation, and the use of fertilizers.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-465.

**Save work in doing dairy chores.**

FS, USDA, 1947. 59 fr, single or double, b&w. Order no. 674. With lecture notes.

How a Vermont farmer studied the way he was doing his dairy-barn chores and, as a result, made improvement that saved time and labor.

Buy from PhotoLab. LC card FiE 52-2884.

**Sawing a reverse curve and a bevel reverse curve.**

MP, USOE, 1945. 18 min, sd, b&w. (Precision wood machining series. Operations on the band saw, no. 2) Order no. OE 310. With instructor's manual.

How to select and lay out stock to avoid waste; reverse curves to contour lines; use the table tilting gage; saw a beveled, reverse curve; prepare a template for a newel post; and saw a newel post having reverse curves.

Buy from UWF. LC card FiE 52-49.

**Sawing a reverse curve and a bevel reverse curve.**

FS, USOE, 1945. 38 fr, b&w. (Precision wood machining

series. Operations on the band saw, no. 2) Order no. OE 310-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2550.

**Sawing an internal irregular shape.**

MP, USOE, 1944. 32 min, sd, b&w. (Machine shop work series. Operations on the metal cutting band saw, no. 1) Order no. OE 239. With instructor's manual.

How to drill the saw-starting hole; make the saw selection; set up a band saw machine; weld saw bands; saw an internal contour shape; and remove and store a band saw.

Buy from UWF. LC card FiE 51-585.

**Sawing an internal irregular shape.**

FS, USOE, 1944. 43 fr, b&w. (Machine shop work series. Operations on the metal cutting band saw, no. 1) Order no. OE 239-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-86.

**Sawing template metal.**

MP, USOE, 1943. 17 min, sd, b&w. (Aircraft work series. Templates, no. 4) Order no. OE 128. With instructor's manual.

How to mount a saw blade on a band saw; select and adjust blade guides; saw to a layout line; "chew out" metal from a notch; and remove burrs.

Buy from UWF. LC card FiE 52-33.

**Sawing template metal.**

FS, USOE, 1943. 50 fr, b&w. (Aircraft work series. Templates, no. 4) Order no. OE 128-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2520.



**Sawing with jig and changing band.**  
MP, USOE, 1945. 20 min, sd, b&w.  
(Precision wood machining series. Operations on the band saw, no. 1) Order no. OE 309.  
With instructor's manual.  
How to select the proper band saw blades for the job; adjust saw guides; mark stock and cut to the mark; prepare a jig; and cut discs, using a jig.  
Buy from UWF. LC card FIE 52-48.

**Sawing with jig and changing band.**  
FS, USOE, 1945. 44 fr, b&w.  
(Precision wood machining series. Operations on the band saw, no. 1) Order no. OE 309-fs.  
Supplements motion picture with the same title.  
Buy from UWF. LC card FIE 52-2530.

**Schistosomes in the primary host.**  
MP, USPHS, 1948. 7 min, si, b&w.  
(Schistosomiasis mansoni study films) Order no. 4-063.  
Shows through photomicrography the development of schistosomes, male and female, in various stages of growth in primary hosts--rabbits and mouse.  
Borrow from USPHS-CDC. LC card FIE 53-186.

**Schistosomiasis.**  
MP, USA, 1946. 27 min, sd, color.  
Order no. PMF 5027.  
Explains the relationship of the three types of schistosomiasis with reference to geographical habitat, epidemiology, symptomatology, and general control measures. Shows various technical, clinical, and laboratory procedures in the diagnosis and treatment of schistosomiasis japonica. For medical and scientific personnel.  
Borrow from USA or USAFIP. Buy from UWF. LC card FIE 54-8.

**Schistosomiasis.**  
FS, USPHS, 1945. 80 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. Order no. 5-006.

Explains the various species of blood flukes, their geographic distribution, identification, life cycle, and hosts; and presents the medical aspects of schistosomiasis as it appears in man. For physicians and health officers.

Borrow from USPHS-CDC. LC card FIE 53-886.

**Schistosomiasis.**  
FS, USPHS, 1945. 102 fr, color with disc: 16 in, 33 1/3 rpm, 16 min. Order no. 5-006.1.  
Presents the biological facts relative to schistosomiasis and the life cycles and characteristics of three species of blood flukes--Schistosoma mansoni, hematobium, and japonicum. For biologists and parasitologists.  
Borrow from USPHS-CDC. LC card FIE 53-887.

**Schistosomiasis mansoni study films series.**  
Australorbis glabratus, vector of Schistosoma mansoni  
Eggs and miracidia of Schistosoma mansoni  
The pathology of schistosomiasis mansoni  
Schistosomes in the primary host  
The setting of endemic schistosomiasis in Puerto Rico  
Sporocysts and cercariae of Schistosoma mansoni

**Schistosomiasis--snail fever.**  
MP, USA, 1945. 10 min, sd, b&w.  
Order no. MF 1230.  
Discusses the cause of schistosomiasis and indicates preventive measures.  
Borrow from USAFIP. LC card FIE 54-35.

**The school.**  
MP, USQIAA, 1946. 21 min, sd, b&w. (Ohio town series)  
Shows one day's activities in an elementary school--the janitor opening the building, the children on their way to school, the first grade studying and playing, a P.T.A. meeting in the evening.  
Buy from UWF. LC card FIE 52-721.



**School bus operation series.**  
See Automotive series. School bus operation.

**School for survival.**

MP, USFCDA, 1952. 20 min, sd, color or b&w.

Demonstrates briefly the techniques of extinguishing a fire started by an incendiary bomb and the methods to be employed in rescue operations. Explains how communities through cooperative action can construct and operate a training facility for teaching these and other civil defense techniques.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FiE 53-122.

**Schools of the south.**

MP, USOIAA, 1942. 14 min, sd, b&w.

Shows the schools of Latin American countries.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-714.

**Sciage avec gabarit et changement de ruban.**

MP, USOE, 1951. 20 min, sd, b&w. Order no. OE 309-Fr. French version of motion picture with title, Sawing with jig and changing band.

How to select the proper band saw blades for the job, adjust saw guides, mark stock and cut to the mark, prepare a jig, and cut discs, using a jig.

Buy from UWF. LC card FiE 53-457.

**Sciage d'une gorge et d'une boîte a noyaux.**

MP, USOE, 1951. 19 min, sd, b&w. Order no. OE 311-Fr. French version of motion picture with title, Cutting cove molding and a corebox.

How to select stock for cove molding, cut and rip cove molding, select the proper blade for oblique cutting, and cut a deep hollow.

Buy from UWF. LC card FiE 53-459.

**Sciage sur le long et sciage sur le travers.**

MP, USOE, 1951. 19 min, sd, b&w. Order no. OE 306-Fr. French version of motion picture with title, Ripping and cross-cutting.

How each working part of the variety saw functions. Shows how to check sawblades, set the fence, change saw blades, use a cutoff gage, and use a hinged block in crosscutting.

Buy from UWF. LC card FiE 53-454.

**Sciatic pain and the intervertebral disk.**

MP, USN, 1945. 33 min, sd, color. Order no. MN 1966.

Explains symptoms and treatment of functional and organic rupturing of the spine in the lower lumbar region, especially at the intervertebral disk. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1072.

**Science and the Signal Corps.**

MP, USA, 1950. 19 min, sd, b&w. Order no. MF 7710.

Stresses the importance of the Signal Corps in modern war, and the development of modern equipment through engineering research.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1628.

**Scrapie.**

MP, USDA, 1954. 8 min, sd, color.

Reviews the history of scrapie and illustrates its key symptoms, methods of diagnosis, and ways of combatting this disease of sheep.

Rent from USDA film libraries. Cleared for TV. LC card FiE 55-14.

**Scraping flat surfaces.**

MP, USOE, 1942. 14 min, sd, b&w. (Machine shop work series. Bench work, no. 2) Order no. OE 35. With instructor's manual.



How surface plates are used to check the flatness of surfaces; types of scrapers; how to remove high spots and to determine when a surface is scraped flat.

Buy from UWF. LC card FIE 51-530.

**Scraping flat surfaces.**

FS, USOE, 1943, 33 fr, b&w. (Machine shop work series. Bench work, no. 2) Order no. OE 35-1a.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-48.

**Screws and plates.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 2)

Demonstrates how to use tweezers and jeweler's screwdrivers in assembly and disassembly operations involving fine craftsmanship.

Borrow from USVA. LC card FIE 54-173.

**The sea lamprey.**

MP, USFWS, 1953. 13 min, sd, color. Known also as Great Lakes invader.

Explains how sea lamprey nearly destroyed the fish in the Great Lakes; how scientists studied various methods of controlling this predator and devised electrical barriers and the electro-mechanical weir and trap; and how, under a Federally sponsored program, the sea lamprey is being controlled and fishery resources restored.

Borrow from USFWS. Buy from Calvin. Cleared for TV. LC card FIE 53-121.

**Sea power for peace.**

MP, USN, 1948. 9 min, sd, b&w. Order no. MN 6704.

Gives an overall picture of the functions and operations (in 1948) of the U.S. Navy.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1293.

**Sea power for peace.**

MP, US Defense, 1949. 5 min, sd, b&w. Order no. AFSR 104. Short version of Navy film with the same title. On same reel with film, Snowbound.

Explains the operations (in 1948) of the U.S. Navy. Prepared for use by U.S. Armed Forces personnel.

Buy from UWF. Cleared for TV. LC card FIE 53-444.

**Sea power in the Pacific.**

MP, USN, 1946. 30 min, sd, b&w. Order no. MN 6124.

Traces the history and depicts the role of American sea power in the Pacific during World War II.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1746.

**Sea rescue equipment for airplane crews, inspection and maintenance.**

MP, USAF, 1943. 25 min, sd, b&w. Order no. TF 1-466.

Deals with the regular and complete inspections prescribed for sea rescue equipment, such as the pneumatic life-vest, one-man life raft, and multi-place life rafts; illustrates various maintenance procedures including vulcanizing, cold-patching, and examination for maintenance of metal parts and accessories.

Borrow from USCAA film libraries. LC card FIE 53-426.

**Sea rescue equipment for airplane crews: One-man sea rescue equipment.**

MP, USAF, 1943. 11 min, sd, b&w. Order no. TF 1-465.

Demonstrates the preflight inspection of the one-man sea rescue equipment and shows how the equipment is used during actual emergency conditions.

Borrow from USCAA film libraries. LC card FIE 53-427.

**Seabee civilian.**

MP, USN, 1950. 14 min, sd, b&w. Order no. MN 6757.



Reviews the work and accomplishments of the Seabees in World War II.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1247.

**Seabees can do plus.**

MP, USN, 1950. 13 min, sd, b&w. Order no. MN 6841.

Reviews the work of Seabees in World War II; explains the need for similar personnel today; the skills that are needed; and the training that is offered.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1282.

**The Seabees: They came to an island.**

MP, USN, 1946. 40 min, sd, b&w. Order no. MN 5834.

Picturization of Seabee activities in World War II.

Borrow from USN. LC card FIE 52-1324.

**Seapower for freedom.**

MP, USN, 1953. 29 min, sd, b&w. Order no. MN 7838.

Explains the formation, composition, and command relationships of SACLANT (Office of Supreme Allied Commander, Atlantic) and shows a typical joint exercise.

Borrow from USN. Cleared for TV. LC card FIE 53-550.

**Search and rescue boat handling.**

MP, USCG, 1947. 11 min, sd, color. (Search and rescue series.

Standardization of crew training for search and rescue craft)

Order no. MG 5381-b.

Shows how the crew of a U.S. Coast Guard boat rescues an injured man from a plane forced down offshore, then tows the plane into harbor.

Buy from UWF. Cleared for TV. LC card FIE 52-881.

**Search and rescue series. Ocean station vessel crew training in search and rescue.**

Search patterns  
Towing a disabled plane

Training in operation plans between the ocean station vessel and a ditching plane

Transfer of a patient at sea  
Use of special electronic and visual search aids

Weather duties

**Search and rescue series. Standardization of crew training for search and rescue craft.**

Search and rescue boat handling  
Survivor recovery and handling

Use of radio and visual signaling devices

**Search patterns.**

MP, USCG, 1947. 5 min, sd, color. (Search and rescue series.

Ocean station vessel crew training in search and rescue) Order no. MG 5380-a.

Shows how a U.S. Coast Guard ocean station vessel uses an "expanding search pattern," and an SAR plane and aerial "ladder pattern," to locate the survivors of a ditched plane.

Buy from UWF. Cleared for TV. LC card FIE 52-880.

**Secondary survey, control points, and hydrographic developments.**

MP, USN, 1950. 18 min, sd, color. (Hydrographic surveying operations of the Navy series) Order

no. MN 6755-b.

Describes secondary signals building, sounding and wire dragging operations, tide and current observations, photogrammetric compilation, magnetic observations, and other miscellaneous survey work.

Borrow from USN. Buy from UWF. Cleared for TV. LC card

FIE 52-1268.

**Secondary uses of the astro-**

**compass.**

FS, USAF, 1944. 25 fr. b&w. (Aerial navigation series) Order

no. FS 1-422.

Describes how the astro-compass is used to determine deviation

correction using the astrograph, to steer a required heading, and to identify a star.



Borrow from USCAA film libraries. LC card FIE 53-1007.

**Sectional views and projections, finish marks.**

MP, USOE, 1944. 15 min, sd, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 4) Order no. OE 54. With instructor's manual.

Dimension, center, cross-section, and object lines; projection of a sectional view; uses of finish marks; and meanings of standard cross-section lines.

Buy from UWF. LC card FIE 51-504.

**Sectional views and projections, finish marks.**

FS, USOE, 1944. 29 fr, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 4) Order no. OE 54-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-24.

**Security and refueling with safety.**

MP, USN, 1943. 31 min, sd, b&w. (Fundamentals of patrol plane handling series) Order no. MN 1338-a.

Explains precautions to be observed in refueling and oiling a plane both at and away from its base; and shows the procedure for securing a plane on shore.

Buy from UWF. LC card FIE 52-1000.

**Security control: You never can tell.**

MP, USN, 1951. 36 min, sd, b&w. Order no. MN 6947.

Explains the elements of security by following a naval security officer through the offices, laboratory, and production plant of a manufacturer producing a classified device for the U.S. Navy.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1250.

**Seizure: The medical treatment and social problems of epilepsy.**

MP, USVA, 1951. 48 min, sd, b&w.

Explains the diagnostic and therapeutic treatment of epilepsy through a dramatized story of an epileptic veteran, the background of his condition, and his treatment in a Veterans Administration hospital. Describes the physiological basis of epilepsy, clinical manifestations of common types of seizures, and socio-economic problems facing an epileptic.

Borrow from USVA. Buy from UWF. Cleared for TV. LC card FIE 52-2213.

**Selecting and judging breeding hogs.**

FS, USDA, 1939. 31 fr, b&w. Order no. 142. With lecture notes. Shows how to score various parts of lard- and bacon-type hogs. Illustrates good and bad points of each type.

Buy from PhotoLab. LC card FIE 52-2841.

**Selecting hens for egg production.**

MP, USDA, 1950. 5 min, sd, b&w. Explains the principles and importance of selecting "producers" among laying hens; shows desirable and undesirable birds and the best culling practices. Prepared primarily for television.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2163.

**Selecting hens for egg production.**

FS, USDA, 1940. 55 fr, b&w. Order no. 126. With lecture notes. How to recognize the laying hen; how molting and bleaching hinder egg production; and how to improve flock by selective breeding.

Buy from PhotoLab. LC card FIE 52-2887.

**Selecting meals for all occasions.**

FS, USPHS, 1950. 52 fr, color with disc, 16 in, 35 1/3 rpm, 8 min. (Taking care of diabetes series, no. 11) Order no. 5-154. Shows how a diabetic person can select the right foods to eat.



different situations; and explains how to use the "meal plan" and "exchange lists" in planning meals, when the patient is ill, taking lunch to work, going on a picnic, eating at a friend's home, and eating in a restaurant.

Borrow from USPHS-GDC. Buy from MPI. LC card FIE 53-959.

**Selection of fruits and vegetables.**  
MP, USDA, 1951. 16 min, sd, color.

Recommends three points for consumers to consider in shopping for fruits and vegetables--need, quality, and price. Using lettuce, carrots, celery, cabbage, citrus and other fruits as examples, shows the points of good "buymanship."

Rent from USDA Film Libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2164.

**Self-discipline.**

FS, USA, 1951. 50 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-16.

Discusses the subject of self-discipline in relation to the intellect, will power, appetite, and the spirit. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2966.

**Self-preservation in an atomic bomb attack.**

MP, US Defense, 1951. 10 min, sd, b&w.

Explains individual methods of self-preservation in an A-bomb attack; how Army, Navy, and Air Force servicemen protect themselves in three common situations; methods of protection for air or underwater explosions; and shows the relative effects of blast, heat, and radiation. Produced under the supervision of the Armed Forces Special Weapons Project.

Borrow from USA. USAF, for USN. Buy from UWF. Cleared for TV. LC card FIE 52-2140.

**Self-sealing fuel cells: Fitting replacement.**

MP, USN, 1945. 17 min, sd, b&w. Order no. MN 4318-c.

Explains how to locate, remove, and replace a damaged fitting; shows the tools, materials, and equipment necessary.

Buy from UWF. LC card FIE 52-1334.

**Self-sealing fuel cells: Installation, maintenance, and inspection.**

MP, USN, 1945. 11 min, sd, b&w. Order no. MN 4318-c.

Preflight, fuel strainer, capacity, and visual interior inspections; how the cell is removed from a plane; inspected; and a new one installed after specified period of use.

Buy from UWF. LC card FIE 52-1332.

**Self-sealing fuel cells: Manufacture and usage.**

MP, USN, 1945. 10 min, sd, b&w. Order no. MN 4318-a.

Manufacture of a self-sealing fuel cell; cutting, fitting, and shel-lacking of cardboard cell; fitting rubber layer; applying nylon sealant, retainer, and buna inner lining; vulcanizing; and jig testing.

Buy from UWF. LC card FIE 52-1330.

**Self-sealing fuel cells: Packing, stowage, and handling.**

MP, USN, 1945. 5 min, sd, b&w. Order no. MN 4318-b.

Describes how to unpack, store, crate, and stack self-sealing fuel cells; construct a crate for a cell; pad and store it.

Buy from UWF. LC card FIE 52-1331.

**Self-sealing fuel cells: Repairs.**  
MP, USN, 1945. 18 min, sd, b&w. Order no. MN 4318-d.

Demonstrates how to make a side and corner repair on a self-sealing fuel tank and how to repair split seams and blisters.

Buy from UWF. LC card FIE 52-1333.



**Semiautomatic and hand molding of intricate parts.**  
MP, USOE, 1945. 16 min, sd, b&w. (Plastics series, no. 6) Order no. OE 471. With instructor's manual.

How to mold a part with undercuts; mold a part with complicated shape; and assemble and disassemble a hand mold.

Buy from UWF. LC card FIE 52-298.

**Semiautomatic and hand molding of intricate parts.**

FS, USOE, 1945. 40 fr, b&w. (Plastics series, no. 6) Order no. OE 471-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2755.

**La semilla de oro.**

MP, USOIAA, 1943. 11 min, sd, color. Spanish version of motion picture with the title. The grain that built a hemisphere.

Traces the history of corn and its importance in the development of civilization; and describes its uses today.

Buy from USOIAA. Cleared for TV. LC card FIE 52-521.

**Semper paratus.**

MP, USOWI, 1943. 4 min, sd, b&w.

The U.S. Coast Guard song sung off-screen against scenes explaining a coastguardman's training and duties.

Withdrawn from sale in 1954. Rent from some film libraries. LC card FIE 52-742.

**A sense of duty.**

FS, USA, 1951. 37 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-19.

Explains certain aspects of the "sense of duty" expected of soldiers. Prepared for use by army chaplains.

Buy from UWF. LC card FIE 52-2969.

**Sensitive drill series.**

See Machine shop work series. Operations on the drill press. Sensitive drill.

**Sentries of the sea lanes.**

MP, USCG, 1954. 28 min, sd, color.

Shows how the Coast Guard operates and maintains the 22,000 buoys that mark the coastal and inland waterways of the United States and its outlying possessions.

Borrow from USCG. Buy from UWF. Cleared for TV. LC card FIE 54-336.

**Series and parallel circuits.**

MP, USN, 1945. 8 min, sd, b&w. (Radio technician training series. Elementary electricity) Order no. MN 1540-v.

Illustrates series and parallel circuits, explaining current flow and voltage drop across each lamp.

Buy from UWF. LC card FIE 52-919.

**Series and parallel circuits.**

FS, USN, 1945. 26 fr, b&w. (Radio technician training series. Elementary electricity) Order no. SN 1540-av.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-920.

**Serious bleeding.**

See Pre-first aid: What to do.

**Serological technique: Venipuncture.**

MP, USN, 1954. 7 min, sd, color. (Medical laboratory techniques series) Order no. MN 9375-c.

Demonstrates how to take a blood sample from the arm.

Buy from UWF. LC card FIE 54-451.

**Service of food.**

MP, USA, 1949. 13 min, sd, color. Order no. TF 10-1514.

Demonstrates the work of an army mess steward and kitchen



crew, and emphasizes the importance of serving food in an attractive manner, as an aid to army morale.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-155.

**Service plus.**

MP, US Defense, 1950. 19 min. sd, b&w. Order no. AFIF 4.

Dramatizes integrity as the keynote of character in the modern serviceman, and emphasizes the moral qualities to be observed by servicemen.

Borrow from USA or USAF. Cleared for TV. LC card FIE 52-2201.

**Service to those who served.**

MP, USVA, 1951. 16 min. sd, color.

Portrays and explains the overall activities and services of the U.S. Veterans Administration, including insurance, claims, hospitals, and rehabilitation.

Borrow from USVA. Buy from UWF. Cleared for TV. LC card FIE 53-104.

**Service with a smile.**

FS, USPHS, 1945. 63 fr, b&w with disc. 16 in. 33 1/3 rpm, 15 min.

(Our health in your hands series) Shows what restaurant workers should do to keep well, how they should dress, and how they should serve food to customers. For food handlers and sanitarians.

Borrow from USPHS. Buy from UWF. LC card FIE 53-880.

**Servicing a propeller.**

MP, USOE, 1945. 18 min. sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 277. With instructor's manual.

How to inspect and remove a propeller; repair damage to the metal edges; check and correct for out-of-track and for out-of-balance; and reinstall the propeller.

Buy from UWF. LC card FIE 52-235.

**Servicing a propeller.**

FS, USOE, 1945. 52 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 277. fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2724.

**Servicing an airplane.**

MP, USOE, 1945. 17 min. sd, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 279. With instructor's manual. How to perform the various routine servicing operations on a light airplane including cleaning an airplane, refueling, changing oil, inflating tires, and starting the engine.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-266.

**Servicing an airplane.**

FS, USOE, 1945. 43 fr, b&w. (Aircraft work series. Preventive maintenance) Order no. OE 279. fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2656.

**Servicing and timing magnetos.**

MP, USOE, 1945. 16 min. sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 266. With instructor's manual.

How to remove magnetos from the engine; install and adjust new points; and reinstall and time the magnetos.

Buy from UWF. LC card FIE 52-258.

**Servicing and timing magnetos.**

FS, USOE, 1945. 40 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 266. fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2632.



**Servicing hydraulic systems.**  
FS, USN, 1943. 51 fr, b&w. Order no. SN 2000.

Demonstrates the principles, construction, and operation of the hydraulic system of an airplane. Stresses servicing procedures.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1774.

**Servicing spark plugs and ignition wiring.**

MP, USOE, 1945. 22 min, sd, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 265. With instructor's manual.

How to remove the spark plugs and ignition wires; clean, inspect, and adjust spark plugs; prepare new ignition wires; and reinstall the spark plugs and ignition wires.

Buy from UWF. LC card FIE 52-252.

**Servicing spark plugs and ignition wiring.**

FS, USOE, 1945. 50 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 265-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2626.

**Servicing the aviation spark plug.**  
MP, USAF, 1942. 23 min, sd, b&w. Order no. TF 1-566.

Describes the disassembly, testing, cleaning, repair, and reassembly of the aviation spark plug.

Borrow from USCAA film libraries. LC card FIE 53-407.

**Servicing water-cooled condensers.**

MP, USOE, 1945. 12 min, sd, b&w. (Refrigeration service series. Commercial systems, no. 4) Order no. OE 451. With instructor's manual.

Theory of a counter-flow condenser; essential elements of a water-cooled system; and opera-

tion of the electric water valve and how to regulate it.

Buy from UWF. LC card FIE 52-262.

**Servicing water-cooled condensers.**

FS, USOE, 1945. 37 fr, b&w. (Refrigeration service series. Commercial systems, no. 4) Order no. OE 451-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2650.

**Serving the merchant marine.**

MP, USCG, 1944. 28 min, sd, b&w. Shows how the U.S. Coast Guard helped protect the U.S. Merchant Marine during World War II. Includes scenes of the war against U-boats, and of the rescue of torpedoed ship survivors.

Borrow from USCG. LC card FIE 52-872.

**Serving the nation.**

MP, US Defense, 1950. 16 min, sd, b&w. Order no. AFIF 7.

Explains the armed forces' activities in peacetime, role in local disasters, and contributions of research activities.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-2011.

**The setting of endemic schistosomiasis in Puerto Rico.**

MP, USPHS, 1948. 4 min, ai, b&w. (Schistosomiasis mansoni study films) Order no. 4-065.

Illustrates three characteristic infection patterns of endemic schistosomiasis in Puerto Rico: pollution of a river, a brook, and sugar cane irrigation ditches by inadequate sewage disposal systems.

Borrow from USPHS-CDC. LC card FIE 53-186.

**Setting up and machining bar stock.**

MP, USOE, 1945. 34 min, sd, b&w. (Machine shop work series. Operations on the turret lathe, no. 4) Order no. OE 215. With instructor's manual.



How to set up the turret lathe for the production machining of bushings from bar stock; install the collet; set up the hexagon turret and the cross slide; and machine bar stock.

Buy from UWF. LC card FIE 51-596.

**Setting up and machining bar stock.**

FS, USOE, 1945. 58 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 4) Order no. OE 215-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-103.

**Setup for face milling with a fixture.**

MP, USOE, 1945. 20 min, sd, b&w. (Machine shop work series. Operations on the horizontal boring mill, no. 1) Order no. OE 225.

With instructor's manual. How the horizontal boring, drilling, and milling machine operates; how to install the fixture; set up the workpiece; select and install an end mill and a face mill.

Buy from UWF. LC card FIE 51-592.

**Setup for face milling with a fixture.**

FS, USOE, 1945. 37 fr, b&w. (Machine shop work series. Operations on the horizontal boring mill, no. 1) Order no. OE 225-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-99.

**Setup for rough line-boring.**

MP, USOE, 1945. 15 min, sd, b&w. (Machine shop work series. Operations on the horizontal boring mill, no. 4) Order no. OE 228.

With instructor's manual. How to position the workpiece on the table; position the spindle for horizontal centers and for vertical centers.

Buy from UWF. LC card FIE 51-589.

**Setup for rough line-boring.**

FS, USOE, 1945. 35 fr, b&w. (Machine shop work series. Operations on the horizontal boring mill, no. 4) Order no. OE 228-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-96.

**Seventh Infantry Division.**

MP, USA, 1949. 22 min, ad, b&w. (Pride of outfit series) Order no. 7533.

Shows the training of the 7th Infantry Division at Ft. Ord, Calif.; action of the Division in four major campaigns--Attu, Leyte, Kwajalein, and Okinawa; and occupational duties in Korea.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1620.

**7777th honor guard.**

MP, US Defense, 1949. 9 min, sd, b&w. Order no. AFSR 110. On same reel with film. Air Force review.

Demonstration of a precision drill by an honor guard of the U.S. Army.

Buy from UWF. Cleared for TV. LC card FIE 53-309.

**Sewage treatment.**

MP, USPHS, 1948. 5 min, sd, b&w. Order no. 4-078.

Explains some of the processes and equipment used by U.S. communities for the treatment of sewage.

Borrow from USPHS-CDC. LC card FIE 53-194.

**The sextant.**

FS, USCG, 1944. 44 fr, b&w. (Piloting series) Order no. SCG 136-g.

Explains the use of the standard sextant and its differences from the micrometer sextant; and demonstrates the procedure for measuring the altitude of the sun.

Buy from UWF. LC card FIE 52-837.



**The sextant, surface.**

MP, USN, 1943. 32 min, sd, b&w.  
(Navigation series) Order no. MN 83-1.

Demonstrates the proper procedure for handling the sextant and making observations.

Buy from UWF. LC card FIE 52-981.

**Shackles for the giant.**

MP, USA-Eng, 1951. 25 min, sd, color.

Shows the work of the U.S. Army Corps of Engineers in the development and execution of a flood control plan for the valley of the lower Mississippi River.

Borrow from USA-Eng. Cleared for TV. LC card FIE 52-1980.

**Shades of gray.**

MP, USA, 1948. 66 min, sd, b&w.  
Order no. PMF 5047.

Portrays through dramatized situations and case histories various mental disorders experienced by soldiers during training and combat ranging from mild anxiety states to severe depressive reactions and paranoid psychoses; traces the life patterns of each affected soldier and relates his early familial and environmental experiences to the circumstances which precipitate his mental breakdown; demonstrates methods of psychotherapy, including emotional catharsis, narcoanalysis, hypnotic suggestions, and group therapy.

Borrow from USA or USAFIP.

Buy from UWF. LC card FIE 52-65.

**Shallow water diving.**

MP, USN, 1944. 25 min, sd, b&w.  
(Deep sea diving series) Order no. MN 105-d.

Shows the diving bell and standard helmet, preparation for diving, characteristics of the face mask, and adaptation of the Mark 3 gas mask to shallow water diving.

Buy from UWF. LC card FIE 52-1040.

**The shaper.**

FS, USAF, 1942. 57 fr, b&w.  
(Machine tools series) Order no. FS 1-7.

Explains the nomenclature, practical uses, and operation of the shaper.

Buy from UWF. LC card FIE 52-1902.

**The shaper.**

MP, USOE, 1945. 15 min, sd, b&w.  
(Machine shop work series. Basic machines) Order no. OE 70. With instructor's manual.

Functions, characteristics, and basic operations of the shaper.

Buy from UWF. LC card FIE 51-572.

**The shaper.**

FS, USOE, 1945. 40 fr, b&w.  
(Machine shop work series. Basic machines) Order no. OE 70-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-76.

**Shaping after template and shaping curved edges.**

MP, USOE, 1945. 17 min, sd, b&w.  
(Precision wood machining series. Operations on the spindle shaper, no. 2) Order no. OE 319. With instructor's manual.

How to make a template for the job; install knives in the spindle; use the template when smoothing squared edges; set up equipment for shaping a curved edge; and shape a curved edge.

Buy from UWF. LC card FIE 52-40.

**Shaping after template and shaping curved edges.**

FS, USOE, 1945. 39 fr, b&w.  
(Precision wood machining series. Operations on the spindle shaper, no. 2) Order no. OE 319-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2536.

**The shaping of personality.**

FS, USA, 1950. 20 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-13.



Deals in general terms with the meaning of personality. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2963.

**Sharpening a form relieved cutter.**

MP, USOE, 1944. 18 min, sd, b&w. (Machine shop work series. Operations on the cutter grinder, no. 5) Order no. OE 93. With instructor's manual.

What constitutes the rake angle and the clearance angle of the form relieved cutter; how to mount the correct attachment; set up for spotting the back of the teeth; and grind the face of the teeth.

Buy from UWF. LC card FIE 51-603.

**Sharpening a form relieved cutter.**

FS, USOE, 1944. 27 fr, b&w. (Machine shop work series. Operations on the cutter grinder, no. 5) Order no. OE 93-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-112.

**Sharpening a plain helical milling cutter.**

MP, USOE, 1944. 16 min, sd, b&w. (Machine shop work series. Operations on the cutter grinder, no. 2) Order no. OE 91. With instructor's manual.

How to mount the helical cutter on an arbor; sharpen the secondary clearance angle; and check and adjust for taper when grinding the primary clearance angle.

Buy from UWF. LC card FIE 51-601.

**Sharpening a plain helical milling cutter.**

FS, USOE, 1944. 41 fr, b&w. (Machine shop work series. Operations on the cutter grinder, no. 2) Order no. OE 91-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-109.

**Sharpening a shell end mill.**

MP, USOE, 1944. 17 min, sd, b&w. (Machine shop work series. Operations on the cutter grinder, no. 3) Order no. OE 92. With instructor's manual.

How to select the correct arbor; mount the work head; adjust the work head for clearance settings; and set up for sharpening the outside diameter, corner, and face.

Buy from UWF. LC card FIE 51-602.

**Sharpening a shell end mill.**

FS, USOE, 1944. 25 fr, b&w. (Machine shop work series. Operations on the cutter grinder, no. 3) Order no. OE 92-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-110.

**Sharpening a side milling cutter.**

MP, USOE, 1944. 23 min, sd, b&w. (Machine shop work series. Operations on the cutter grinder, no. 1) Order no. OE 90. With instructor's manual.

How to identify the parts of a cutter; select and mount the correct grinding wheel; mount the cutter; set up the grinder for sharpening; set the correct clearance angle; and check for width of land.

Buy from UWF. LC card FIE 51-600.

**Sharpening a side milling cutter.**

FS, USOE, 1944. 59 fr, b&w. (Machine shop work series. Operations on the cutter grinder, no. 1) Order no. OE 90-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-108.

**Sharpening an angular cutter.**

MP, USOE, 1944. 15 min, sd, b&w. (Machine shop work series. Operations on the cutter grinder, no. 4) Order no. OE 94. With instructor's manual.

How to choose the correct grinding wheel; adjust the swivel table for grinding the angular teeth of



the cutter; adjust for clearance angle; and check the teeth for accuracy of the angle.  
Buy from UWF. LC card FiE 51-604.

**Sharpening an angular cutter.**  
 FS, USOE, 1944. 31 fr, b&w. (Machine shop work series. Operations on the cutter grinder, no. 4) Order no. OE 94-fs. Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 51-111.

**Sharpening and tempering farm tools.**  
 MP, USOE, 1945. 17 min, sd, b&w. (Farm work series. Forging, no. 3) Order no. OE 193. With instructor's manual. How to heat carbon steel tools for forge sharpening; sharpen, harden, and temper a plowshare and a cultivator shovel; and identify tempering colors.  
Buy from UWF. LC card FiE 52-304.

**Sharpening and tempering farm tools.**  
 FS, USOE, 1945. 34 fr, b&w. (Farm work series. Forging, no. 3) Order no. OE 193-fs. Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2761.

**Sharpening hand gravers.**  
 MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 1) Demonstrates how to sharpen a hand graver on an oil stone and then on an Arkansas stone.  
Borrow from USVA. LC card FiE 54-172.

**Sharpening jewelers' screwdrivers and tweezers.**  
 MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 4) Demonstrates how to sharpen a jeweler's screwdriver on an oil

stone and how to loosen, square, and sharpen tweezers.  
Borrow from USVA. LC card FiE 54-175.

**Sheep shearing.**  
 MP, USOE, 1944. 21 min, sd, b&w. (Farm work series. Livestock, no. 1) Order no. OE 199. With instructor's manual. How to handle sheep for shearing; shear the sheep step-by-step; and roll and tie the fleece.  
Buy from UWF. LC card FiE 52-358.

**Sheep shearing.**  
 FS, USOE, 1944. 52 fr, b&w. (Farm work series. Livestock, no. 1) Order no. OE 199-fs. Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-2814.

**The sheet bend.**  
 MP, USCG, 1943. 3 min, sd, b&w. Order no. MCG 301. Explains that the sheet bend is a variation of the square knot and shows the procedure for tying it properly.  
Buy from UWF. LC card FiE 52-874.

**The sheet bend.**  
 FS, USCG, 1943. 25 fr, b&w. Order no. SCG 301. Supplements motion picture with the same title.  
Buy from UWF. LC card FiE 52-813.

**Shellfish sanitation series.**  
 The production and processing of oysters

**Shell mounds in the Tennessee Valley.**  
 MP, TVA, 1937. 21 min, sd, b&w. Shows the prehistoric shell mounds found in excavation of the Pickwick Landing Dam area.  
Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FiE 52-1637.



**Shipboard training series.**  
Learning by doing

**Shipboard vibrations. Part 1: Fundamental principles of vibrating systems.**

MP, USN, 1953. 22 min, sd, b&w.  
Order no. MN 9180-a.

Explains basic concepts and principles including longitudinal and torsional vibrations, free and forced vibrations; the time relationship between the force cycle and the amplitude cycle, and the phase angle diagram.

Buy from UWF. LC card FiE 53-516.

**Shipboard vibrations. Part 2: Multi-mass systems.**

MP, USN, 1953. 23 min, sd, b&w.  
Order no. MN 9180-b.

Explains basic concepts including those of a uniform system, a lumped system, modes of vibration, relative amplitudes, harmonic analysis, orders of vibration, and critical speeds.

Buy from UWF. LC card FiE 53-517.

**Shipboard vibrations. Part 3: Vibration, excitation, and response.**

MP, USN, 1953. 15 min, sd, b&w.  
Order no. MN 9180-c.

Shows, through models, vibration excitation in the propulsion machinery due to unbalance and to propeller thrust variation and the response of the ship's structure to this excitation; explains through vector representation how propeller thrust variation provides excitation; and demonstrates the necessity for taking vibrations into account in ship design.

Buy from UWF. LC card FiE 53-518.

**Shipboard vibrations. Part 4: Service problems and field investigation.**

MP, USN, 1953. 13 min, sd, b&w.  
Order no. MN 9180-d.

Explains how to report shipboard vibration problems, how they are diagnosed, and remedied by vi-

bration engineers, and how vibration study as preventive engineering contributes to overall ship design and performance.  
Buy from UWF. LC card FiE 53-519.

**Shipbuilders of Essex.**

MP, USIA, 1949. 22 min, sd, b&w.  
Portrayal of New England craftsmen and their skill in the building of wooden ships in Essex, Mass., illustrated through the construction of a 70-foot trawler, the St. Rosalie. Prepared for overseas use.

Buy from UWF. LC card FiE 52-901.

**Shipbuilding skills series.**

The blacksmith: Calculating and bending rings and links

The blacksmith: Calculating and forging a deck socket wrench

The coppersmith: Flaring and reducing

The coppersmith: Working out branches from a line

Docking with keel and bilge blocks

Establishing construction lines, part 1

Establishing construction lines, part 2

Preparation for docking with keel and bilge blocks

Preparation for stern launching, DD445 class

Ship's blueprints: Basic

Stern launching, DD445 class

**Shipbuilding skills series. Coppersmithing, nos. 1-4.**

Bending copper tubing to a wire template

Brasing flanges with spelter

Brasing flanges with silver solder

Tinning and solder wiping

**Shipbuilding skills series. Marine electricity, nos. 1-7.**

Laying out and installing kick-pipes and stuffing tubes

Laying out and installing main wireway

Identifying and pre-cutting cable

Pulling and installing cable and packing terminal tubes



Laying out and installing compartment fixtures  
 Wiring telltale panel  
 Installing and connecting telltale panel

**Shipbuilding skills series. Marine machinery installation, nos. 1-9.**

How to check and surface foundations

Aligning and installing auxiliary machinery

Filing and installing chocks

Laying out, drilling, and tapping flanges on sea chest

Installing valves and strainer on sea chest

Running a temporary line

Laying off bulkheads

Running a permanent line and boring

Fitting tube, shaft, and propeller

**Shipbuilding skills series. Nomenclature of ships.**

Fundamental lines and sections

Location of decks and compartments

**Shipbuilding skills series. Outside machinist.**

Milling a foundation

Reciprocating pump opening for inspection

Reconditioning a cylinder with a portable boring bar

**Shipbuilding skills series. Pipe insulation, no. 1.**

Covering hot and cold pipes

**Shipbuilding skills series. Pipefitting, nos. 1-9 (U.S. Office of Education).**

Measuring pipe, tubing, and fittings

Cutting and threading pipe by hand

Cutting and threading pipe on a power machine

Making a cold bend on a hand powered machine

Laying out and installing hangers

Installing vitreous fixtures

Pipe fabrication with jigs

Installing valves in engine room systems, part 1

Installing valves in engine room systems, part 2

**Shipbuilding skills series. Pipefitting (U. S. Navy Dept.).**

Fitting and installing a section of pipe aboard ship

Making a hot bend

Making a wire template

Removing a section of piping aboard ship

**Shipbuilding skills series. Preparation for stern launching.**

Fitting and installing packing

Fore poppets and internal shoring construction

Ground ways

Placing sliding ways

**Shipbuilding skills series. Rigging.**

Rigging blocks

Rigid and swinging staging

Slinging load

Use and care of fiber rope

Use and care of wire rope

Wire rope terminal connections

**Shipbuilding skills series. Satt-making.**

Hatch canopy

Hatch canopy. Part 1: Measuring and drawing

Hatch canopy. Part 2: Layout

Hatch canopy. Part 3: Machining and finishing-off

**Shipbuilding skills series. Sheet-metal work.**

Transition piece: Square to round layout and fabrication

Vaned elbow: Layout and fabrication

Watertight covers

Watertight covers. Part 1: Layout and fabrication

Watertight covers. Part 2: Assembly

**Shipbuilding skills series. The shipfitter.**

Lifting templates for a foundation

Simple foundation

Simple foundation. Part 1: Layout

Simple foundation. Part 2: Duplication and fabrication

Simple foundation. Part 3: Assembly and installation



**Shipbuilding skills series. Work of shipfitter and shipwright, nos. 1-10.**

Preparing and setting a keel-block and bottom cradle

Innerbottom sections: Subassembly of a closed floor; subassembly of an open floor

The innerbottom: Setting up floors and longitudinals

Side frames: Subassembly of a web frame

Deck girders: Subassembly

The deck: Setting a web frame and a transverse beam

The bulkhead: Laying off the boundary, stiffeners, waterlines, and buttock lines

The bulkhead: Laying off and fitting a centerline stiffener

The bulkhead: Setting a transverse watertight bulkhead into the hull

Deck plates: Regulating and setting

**Shipment of household goods.**  
MP, USN, 1953. 14 min, sd, b&w.  
Order no. MN 9173.

Explains the methods and procedures used in the shipment of household goods of U.S. Navy personnel and the responsibilities of shipping officers in this operation.

Buy from UWF. LC card FIE 54-148.

**Ship's blueprints: Basic.**  
MP, USN, 1944. 22 min, sd, b&w.  
(Shipbuilding skills series) Order no. MN 2335-a.

Explains how to identify fundamental structural elements in ship construction by orthographic drawings and symbols, to visualize these drawings in three dimensions, to understand use and function of dotted and hidden lines, and to read a ship's blueprints.

Buy from UWF. LC card FIE 52-1232.

**Ship's blueprints: Basic.**  
FS, USN, 1944. 92 fr, b&w. (Shipbuilding skills series) Order no. SN 2335-m.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-1786.

**Ships, men, and ice.**

MP, USN, 1953. 22 min, sd, color. Order no. MN 7419-a.

Traces the history of Arctic exploration, particularly as related to the development of ships for use in frozen Arctic seas, from the fragile ships of Pythias and Eric the Red to modern ice-breakers.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 54-187.

**Ship's nomenclature.**

MP, USCG, 1943. 13 min, sd, b&w. Order no. MCG 108.

Shows the location and explains the terminology of the various parts of a Coast Guard cutter--the bow, stern, portside, starboard side, amidships, and bridge.

Buy from UWF. LC card FIE 52-851.

**Ship's propulsion transmission system: Clutches and couplings.**

FS, USN, 1945. 114 fr, b&w with disc: 16 in, 33 1/3 rpm, 25 min. Order no. SN 2248-a.

Explains the main units and operational principles of the mechanical fluid, electromagnetic, and disc clutches; and traces the flow of power from engine to propeller.

Buy from UWF. LC card FIE 52-1779.

**Ships' propulsion transmission system: Gears, propeller shaft, and shaft bearings.**

FS, USN, 1945. 77 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. Order no. SN 2248-b.

Explains the uses and operating principles of several types of gears and bearings, particularly reduction gears, reversing gears, thrust bearings, and propeller shaft bearings.

Buy from UWF. LC card FIE 52-1780.



**Ship's pumps.**

FS, USCG, 1943. 59 fr, b&w. Order no. SCG 118.

Explains the general principles and uses of pumps and pumping machinery; and shows different kinds of pumps.

Buy from UWF. LC card FIE 52-847.

**Shock.**

See Pre-first aid: What to do.

**Shock, physical.**

FS, USN, 1942. 29 fr, b&w with disc: 16 in, 33 1/3 rpm, 6 min. (First aid series) Order no. SN 217-a.

How to recognize the symptoms of shock and administer first aid treatment.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FIE 52-1845.

**The shoemaker and the hatter.**

MP, USECA, 1951. 15 min, sd, color.

Animated cartoon telling a post-war story of a hatter who believes in high tariffs, low production, and a high profit per item and a shoemaker who believes in free exchange of goods, high productivity, and low costs. The shoemaker is shown to be right. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-559.

**Shoot the nets.**

MP, USECA, 1950. 21 min, sd, b&w.

Documentary record of a Dutch trawler on its annual voyage to Dogger Bank, the fishing ground for herring. Stresses the cooperation at sea among fishermen of different nations. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-571.

**Shop safety.**

MP, USA, 1945. 28 min, sd, b&w. Order no. TF 9-2085.

Discusses the causes and prevention of accidents, and safety rules which apply to arc and gas welding, hoisting methods, work-

ing with machinery and on engines, use of tools, lifting and pushing heavy objects, and handling of gasoline.

Borrow from USA. Buy from UWF. LC card FIE 52-1543.

**Shrimp please.**

MP, USFWS, 1954. 21 min, sd, color.

Shows the methods used by the Louisiana and Mississippi shrimp industry in catching and processing shrimp, including freezing, breading, drying, and canning. Contains information on how to purchase, prepare, and serve shrimp.

Borrow from USFWS. Cleared for TV but advance approval required. LC card FIE 55-37.

**Sicily to Naples.**

MP, USA, 1948. 13 min, sd, b&w. (Historical reports series) Order no. HR-C-2.

The role of the American 6th Corps (5th Army) and the British 10 Corps in the invasion of Italy in World War II. Includes captured German film footage to show action on both sides.

Borrow from USA. Buy from UWF. LC card FIE 52-1690.

**Side frames: Subassembly of a web frame.**

MP, USOE, 1942. 17 min, sd, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 4) Order no. OE 27. With instructor's manual.

How to lay out the main web plate from a template; fit stiffeners to the web plate; and dog the stiffeners to the plate for welding.

Buy from UWF. LC card FIE 52-192.

**Side frames: Subassembly of a web frame.**

FS, USOE, 1943. 45 fr, b&w. (Shipbuilding skills series. Work of shipfitter and shipwright, no. 4) Order no. OE 27-1a.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2672.



**Sierra snow removal tests.**

MP, USN, 1953. 10 min, sd, b&w.  
Order no. MN 6912-a.

Describes various types of snow removal equipment and tests made by the U.S. Navy on snow plows, rotary plows, and conveyor loaders.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-155.

**Sighting and aiming.**

MP, USA, 1943, 33 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 1) Order no. TF 7-969.

Covers sight alignment, correct aiming technique, use of the sighting board, explanation of sights and targets, use of box method in sight alignment, and reliability of line of fire.

Borrow from USA. Buy from UWF. LC card FIE 52-1507.

**The sign of dependable credit.**

MP, USDA, 1941. 20 min, sd, b&w. Shows the need for specialized credit to provide short-term loans for farmers; and explains how the production credit system, controlled and operated by farmers, helps fill this need.

Borrow from USECA. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-363.

**Signal generator operation.**

MP, USN, 1945, 9 min, sd, b&w. (Radio technician training series) Order no. MN 3540-q. Shows in detail how to use a signal generator to align a radio receiver.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-921.

**Silent service.**

MP, USN, 1946. 38 min, sd, color. Order no. MN 9141.

Film documentary record of the activities of U.S. submarines in World War II.

Borrow from USN. LC card FIE 52-1275.

**Silent war.**

MP, USOIAA, 1943. 10 min, sd, b&w.

How scientists fight yellow fever in the jungles of Colombia. Shows how vaccine is made, dried, frozen, and transported to a town in the jungle.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-713.

**Silicate cement.**

MP, USNBS, 1947. 18 min, sd, color.

Demonstrates the importance of incorporating rapidly as much powder as possible into a given quantity of liquid and of protecting the cement from loss or gain of water throughout the hardening period. Shows the effect of technique on such cement properties as setting time, strength, shrinkage, solubility, and staining. For dental personnel.

Borrow and buy from USNBS. LC card FIE 55-54.

**Silver brazing techniques, part 1.**

MP, USN, 1945. 19 min, sd, b&w. Order no. MN 3549-a.

Explains the advantages of silver brazed joints; and shows the equipment needed, preparatory steps, safety precautions, and the procedures to be followed.

Withdrawn from sale in 1954. Rent from some film libraries. LC card FIE 52-1137.

**Silver brazing techniques, part 2.**

MP, USN, 1945. 17 min, sd, b&w. Order no. MN 3549-b.

Shows the brazing of bulkhead sleeves, boss brazing, seam brazing, and unions; how to take a brazed assembly apart; and precautions to follow when brazing valves.

Withdrawn from sale in 1954. Rent from some film libraries. LC card FIE 52-1138.

**Single anterior closure of colostomy.**

MP, USA, 1947. 10 min, sd, color. Order no. PMS 5070.



Demonstrates an incomplete colostomy of the transverse colon, using a relatively simple closure procedure; stresses the advantages of using an intraperitoneal approach. For medical personnel. Borrow from USAFIP. LC card FIE 53-66.

Simple anterior closure of transverse colostomy (right side). MP, USA, 1947. 23 min, sd, color. Order no. PMF 5069. Explains that right side colostomies are less frequent than left side colostomies, pointing out the similarity in procedures to those followed in anastomosis. Demonstrates typical problems and applicable surgical techniques, and some World War II developments in the surgical management of colostomies. For medical personnel. Borrow from USAFIP. LC card FIE 53-67.

Simple calculations for flat layouts. FS, USN, 1942. 64 fr, b&w. Order no. SN 1035. Shows how to calculate and lay out flanges, bends, heads, and seams on metal. Buy from UWF. LC card FIE 52-1884.

Simple closure of an abdominal colostomy (intraperitoneal approach). MP, USA, 1947. 7 min, sd, color. Order no. PMF 5005. Shows an incomplete colostomy of transverse colon, a relatively simple closure and advantages of the intraperitoneal approach. For medical personnel. Borrow from USAFIP. LC card FIE 52-2242.

Simple foundation. FS, USN, 1944. 98 fr, b&w. (Shipbuilding skills series. The shipfitter) Order no. SN 2338-n. Supplements motion pictures with the title: Simple foundation: part 1, Layout; part 2, Duplication and foundation; part 3, Assembly and installation.

Buy from UWF. LC card FIE 52-1791.

Simple foundation. Part 1: Layout. MP, USN, 1944. 28 min, sd, b&w. (Shipbuilding skills series. The shipfitter) Order no. MN 2338-b. Explains through animation the layout of a simple foundation, and shows a workman performing the actual operations. Explains how to mark the template with necessary directions. Buy from UWF. LC card FIE 52-1238.

Simple foundation. Part 2: Duplication and fabrication. MP, USN, 1948. 17 min, sd, b&w. (Shipbuilding skills series. The shipfitter) Order no. MN 2338-c. Shows how the layout man develops job from the templates. Depicts fastening templates to steel plate, marking plate with center punch or painting billing on steel; shows use of shears, burning torch, cold press, and punch. Buy from UWF. LC card FIE 52-1240.

Simple foundation. Part 3: Assembly and installation. MP, USN, 1948. 23 min, sd, b&w. (Shipbuilding skills series. The shipfitter) Order no. MN 2338-d. Shows tack-welding of rings to side plates, tacking of web plate to both side plates, and production welding of the assembly; demonstrates marking location aboard ship, swinging assembly aboard, welding deck and bulkhead after making corrections. Buy from UWF. LC card FIE 52-1209.

Simple hydraulic systems. MP, USN, 1944. 17 min, sd, b&w. (Elementary hydraulics series) Order no. MN 1730-g. The hydraulic jack and the hydraulic braking system of an automobile are used to demonstrate the features of simple hydraulic systems.



Borrow from USCAA film libraries. LC card FiE 54-273.

**Simple valves.**  
FS, USN, 1945. 65 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. (Hydraulic valves series) Order no. SN 1809-b.

Studies five simple hydraulic valves: gate, globe, needle, check, and simple relief. Points out common casualties occurring to these valves and presents the causes and remedies.

Borrow from USCAA film libraries. LC card FiE 54-796.

**A simple way to iron a shirt.**  
FS, USDA, 1944. 44 fr, single or double, b&w. Order no. 649. With lecture notes.

Demonstrates a quick, simple method of ironing men's shirts. Also shows proper washing method, ironing equipment, and the folding of shirts to conserve drawer space.

Buy from PhotoLab. LC card FiE 52-2832.

**Simplified serologic identification of Salmonella cultures.**

FS, USPHS, 1951. 32 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (Isolation and identification of Salmonella and Shigella cultures series, no. 3) Order no. 5-171.

Shows how Salmonella cultures are identified by grouping them serologically and confirming them biochemically. For professional personnel.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-968.

**Simplified serologic identification of Shigella cultures.**

FS, USPHS, 1951. 29 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. (Isolation and identification of Salmonella and Shigella cultures series, no. 2) Order no. 5-170.

Shows how Shigella cultures are grouped serologically and confirmed biochemically. Treats five groups: Shigella dysenteriae, flexneri, boydii, sonnei, and

Alkalescensdispar. For scientific personnel.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-967.

**Single-phase and polyphase circuits.**

MP, USOE, 1945. 17 min, sd, b&w. (Electrical work series. Electrical machinery, no. 1) Order no. OE 383. With instructor's manual.

Explains a single-phase synchronous generator; the use of the sine curves to illustrate flow changes; a two-phase system and three-phase system; and ways to simplify wiring.

Buy from UWF. LC card FiE 52-242.

**Single-phase and polyphase circuits.**

FS, USOE, 1945. 51 fr, b&w. (Electrical work series. Electrical machinery, no. 1) Order no. OE 383-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2710.

**Single point cutting tools series.**  
See Machine shop work series.  
Single point tools.

**Single ram vertical surface broaching.**

MP, USOE, 1945. 28 min, sd, b&w. (Machine shop work series. Operations on a broaching machine, no. 2) Order no. OE 237. With instructor's manual.

How to install broaching inserts for straddle broaching; mount the tool-holder with its assembled broaching tool; mount and adjust the work fixture; and surface-broach at production rate.

Buy from UWF. LC card FiE 51-582.

**Single ram vertical surface broaching.**

FS, USOE, 1945. 48 fr, b&w. (Machine shop work series. Operations on a broaching machine, no. 2) Order no. OE 237-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-88.

#### **The Sixth Fleet.**

MP, USN, 1953. 28 min, sd, color. Order no. MN 7857.

Explains the formation, composition, and command relationships of SACEUR (Office of Supreme Allied Commander, Europe) and the role of the U.S. Navy's Sixth Fleet in SACEUR.

Borrow from USN. Cleared for TV. LC card FIE 53-614.

#### **Sixth Infantry Division.**

MP, USA, 1948. 20 min, sd, b&w. (Pride of outfit series) Order no. MF 1297.

Scenes of 6th Infantry Division combat operations in New Guinea: securing Maffin Bay area, amphibious landing at Sansapor to build air base, and assault landing at Lingayen Gulf, Luzon.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1615.

#### **Sixth Marine Division on Okinawa.**

MP, USMC, 1946. 54 min, sd, color. Order no. MH 1890.

Shows preliminary planning, landing of the Marines, and scenes of battle on Okinawa in World War II.

Borrow from USMC. Buy from UWF. LC card FIE 52-1305.

#### **Skeletal fixation by the Stader splint, fractures of the os calcis.**

MP, USN, 1943. 12 min, sd, b&w. Order no. MN 1724-b.

Explains how to disimpact fragments, restore the tuber joint angle, correct pronation, widening and immobilizing. Shows application of the Stader splint, operation, post-operative X-rays, and care. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1028.

#### **Skeletal fixation by the Stader splint, fractures of the tibia.**

MP, USN, 1943. 22 min, sd, b&w. Order no. MN 1724-g.

Demonstrates features of a Stader splint and its utilization for a fractured tibia. Shows use of special right angle splint for a proximal or distal fracture in which smaller fragment is incapable of holding regular pin bar. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1027.

#### **Skeletal fixations of fractures of the mandible.**

MP, USN, 1943. 8 min, sd, color. Order no. MN 1901.

Shows theory of the operation by demonstration on a skeleton. Depicts an actual operation performed on a patient, including insertion of a device to support the mandible during healing process. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1029.

#### **Ski equipment.**

MP, USA, 1942. 21 min, sd, b&w. Order no. TF 7-677.

Explains how special ski equipment and clothing should be used, and gives a list of such equipment issued each ski trooper.

Borrow from USA. LC card FIE 55-179.

#### **Ski Jump II.**

MP, USN, 1953. 22 min, sd, color. Order no. MN 7478.

Photographic report of Ski Jump II, a U.S. Navy aerial Arctic project of 1952 with the objectives of testing and improving techniques for landing heavy aircraft on ice, investigating ice islands, and sea ice conditions, and oceanographic research.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-552.

#### **Ski safety.**

MP, USA, 1942. 21 min, sd, b&w. Order no. TF 7-680.



Stresses ski safety precautions to be taken in connection with excessive speed, faulty waxing, improperly adjusted bindings, and pack equipment. Shows remedies to be used for overheating, sunburn, and snow blindness.  
Borrow from USA. LC card FIE 55-174.

**Ski safety: First aid and emergency repair of equipment.**  
MP, USA, 1942. 41 min, sd, b&w.  
Order no. TF 7-681.

Shows first aid measures for various types of ski accidents, correct methods of handling and removing the injured, and emergency repair of equipment.  
Borrow from USA. LC card FIE 55-177.

**Sky dancers of Papantla.**  
MP, USOIAA, 1942. 11 min, sd, color. (Mexican fiestas series, no. 4)

Dance of Los Voladores climaxing the celebration of Corpus Christi at Papantla; typical dances depicting the struggle between good and evil.

Rent from some USOIAA film libraries. Buy from UWF. LC card FIE 52-85.

**The sky is the limit.**  
MP, USA, 1946. 12 min, sd, color.  
Order no. MF 1249.

Shows the rehabilitation of an above-the-knee amputee. Compares the walking technique of an individual with two normal extremities with that of an amputee.

Borrow from USAFIP. LC card FIE 54-36.

**The sky is your target.**  
MP, USAF, 1954. 22 min, sd, b&w.  
Order no. TF 1-4955.

Explains how volunteers of the Ground Observer Corps should detect and observe aircraft, record data, and report such information to the Air Defense Filter Center.

Borrow from USAF. Cleared for TV. LC card FIE 55-120.

**Sky jeep.**

MP, US Defense, 1949. 9 min, sd, b&w. Order no. AFSR 105. On same reel with film, The helping hand.

Operation and tactical use of light airplanes by the U.S. Army.  
Buy from UWF. Cleared for TV. LC card FIE 53-315.

**The skysweeper: Emplacement and march order.**

MP, USA, 1954. 14 min, sd, b&w.  
Order no. MF 44-8247.

Demonstrates the steps to be followed in emplacing the "skysweeper," a medium range anti-aircraft gun, and in preparing it for travel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 55-28.

**Slide rule operation and application. Part 3: Solving special basic problems.**

FS, USAF, 1943. 36 fr, b&w.  
Order no. FS 1-438.

Demonstrates the use of the slide rule in finding the squares, cubes, square roots, and cube roots of numbers, the area and circumference of a circle, the reciprocals of numbers, and the products of three factors.

Borrow from USCAA film libraries. LC card FIE 53-1005.

**The slide rule: Proportion, percentage, squares and square roots.**

MP, USOE, 1944. 21 min, sd, b&w. (Engineering series) Order no. OE 354. With instructor's manual.

How to use the "C" and "D" scales of the slide rule to calculate proportions and percentages; how to read the "A" and "B" scales; and how to calculate squares and square roots.

Buy from UWF. LC card FIE 52-163.

**The slide rule: Proportion, percentage, squares, and square roots.**

FS, USOE, 1944. 44 fr, b&w. (Engineering series) Order no. OE 354-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2643.

**The slide rule: The "C" and "D" scales.**

MP, USOE, 1943. 24 min, sd, b&w. (Engineering series) Order no. OE 179. With instructor's manual.

Purpose of the slide rule; parts of the rule; how to use the "C" and "D" scales in the multiplication and division of numbers.

Buy from UWF. LC card FIE 52-164.

**The slide rule: The "C" and "D" scales.**

FS, USOE, 1943. 53 fr, b&w. (Engineering series) Order no. OE 179-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2644.

**Slinging lead.**

MP, USN, 1944. 17 min, sd, b&w. (Shipbuilding skills series. Rigging) Order no. MN 2340-d.

Shows how to rig and use slings to handle various types of leads; and explains safety precautions to be observed.

Buy from UWF. LC card FIE 52-1204.

**Slips.**

MP, USN, 1946. 11 min, sd, b&w. (Primary flight training series) Order no. MN 3474-q.

Presents a narrative explanation of executing slips and the common errors usually made by student flyers. Explains the maneuvers also by animation over live photography.

Borrow from USCAA film libraries. LC card FIE 54-327.

**Slow-motion study of fuel injection and combustion in a Diesel engine.**

MP, USNACA, 1945. 35 min, si, b&w. Order no. TF 15. With lecture notes.

Presents slow-motion pictures of injection and combustion of fuel in a compression-ignition engine cylinder, taken at high speed (40,000 frames per second) with the NACA high speed camera.

Visual aspects of compression-ignition engine knock are compared with those of spark-ignition engine knock. For use by technical personnel.

Borrow from USNACA. LC card FIE 54-211.

**Slow-motion study of normal combustion, preignition, and knock in a spark-ignition engine.** MP, USNACA, 1940. 35 min, si, b&w. Order no. TF 14. With lecture notes.

Shows through high speed pictures (40,000 photographs per second) the manner in which the fuel spray within the combustion chamber penetrates and disintegrates in the dense air, the injection and mixing processes, with the visual difference between normal burning, preignition, and knocking in a single-cylinder, spark-ignition engine. A record film for technical personnel, to be used with NACA Report 704: "A high-speed motion picture study of normal combustion knock, and preignition in a spark-ignition engine," and NACA Report 727: "A study by high-speed photography of combustion and knock in a spark-ignition engine."

Borrow from USNACA. LC card FIE 54-212.

**Slow roll.**

MP, USN, 1943. 11 min, sd, b&w. (Intermediate acrobatics series) Order no. MN 1325-b.

Demonstrates the procedure of executing a slow roll.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1007.

**Small boat disaster prevention.**

MP, USN, 1951. 12 min, sd, b&w. Order no. MN 6824.

Demonstrates the swamping of a motor whale boat and the procedures to be followed by the



officers, crew, and passengers in the event of such an accident. Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-171.

**Small business and the Air Force.**  
MP, USAF, 1952. 20 min, sd, b&w.  
Order no. SFP 306.

Mr. Jones and Mr. Smith, two small businessmen, personify the right and wrong ways to go about getting a Government contract. Suggests that small-business businessmen make use of booklet, "Guide for selling to the U.S. Air Force."

Borrow from USAF. Cleared for TV. LC card FIE 54-393.

**Small infantry-tank team. Part 1: Characteristics.**

MP, USA, 1949. 16 min, sd, b&w.  
Order no. TF 7-1540.

Describes the composition of an infantry-tank team and the necessity for communication and coordination among its members.

Borrow from USA. Cleared for TV. LC card FIE 55-161.

**Small infantry-tank team. Part 2: Attack mission.**

MP, USA, 1949. 14 min, sd, b&w.  
Order no. TF 7-1541.

Portrays a small infantry-tank team during combat, including the moving from attack position to to objective; adjusting to different battlefield conditions and types of terrain, and demonstrating the effectiveness of small tank units.

Borrow from USA. Cleared for TV. LC card FIE 55-160.

**Small milk plant operation series.**

Cleaning equipment and containers

Milk processing

You and your job

**The small sawmill.**

MP, USDA, 1954. 20 min, sd, color.

Designed to stimulate the interest of owners and operators of small sawmills in more efficient production and better quality of

lumber. Shows the transformation of an unproductive sawmill into an efficient one.

Borrow from USFS. Buy from UWF. Cleared for TV. LC card FIE 54-400.

**Small town editor.**

MP, USIA, 1952. 18 min, sd, b&w.

Story of a small town newspaper editor and his place in the community. Contrasts his operation with that of a big city newspaper, emphasizes friendly relationships with townspeople, and points up the principles of a free press. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-255.

**Small town library.**

MP, USA-CAD, 1951. 10 min, sd, b&w.

Explains the benefits and shows some of the operations of a public library in a small town, particularly the weekly delivery of books, not owned by the small library, from the library of a big city nearby. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2104.

**Small water treatment plants series, no. 1.**

Filtration plants

**Smallpox vaccination.**

FS, USA, 1947. 77 fr, color, with disc: 16 in, 33 1/3 rpm, 18 min.

Order no. SFS 8-106.

Discusses the hazards of smallpox to army personnel in the Orient and primitive areas. Shows etiology and clinical pictures of the disease, storing of vaccine, techniques of vaccination, and control measures.

Borrow from USAFIP. LC card FIE 54-725.

**Smoke study of nozzle secondary flows in a low-speed turbine.**

MP, USNACA, 1954. 20 min, sd, color.

Visualizes, by means of smoke, boundary layer and wake secondary-flow phenomena in the nozzle



passages of a low-speed turbine, using two annular cascades of turbine nozzles designed for constant discharge angle from hub to tip but differing in blade shape and suction-surface velocity distribution. Shows cross-channel flows, radial flow patterns, and outer-shroud vortex formation at low air speed (7 ft/sec). Also shows the effect of a downstream rotor on nozzle secondary flows. A record film for technical personnel, to be used with NACA Technical Note 3260: "Smoke study of nozzle secondary flows in a low-speed turbine."

Borrow from USNACA. LC card  
FiE 55-41.

**Smokejumper training. Part 1: Indoctrination.**

MP, USDA, 1947. 19 min, sd, color.

Explains to a group of U.S. Forest Service trainees in a classroom the general principles and uses of parachutes and accessory equipment.

Buy from UWF. LC card FiE  
52-586.

**Smokejumper training. Part 2: Ground training.**

MP, USDA, 1947. 18 min, sd, color.

Demonstrates the physical conditioning preparatory to and necessary for jump training; and shows how trainees get accustomed to jump equipment.

Buy from UWF. LC card FiE  
52-587.

**Smokejumper training. Part 3: Jump training.**

MP, USDA, 1947. 20 min, sd, color.

Demonstrates the techniques of practice jumping from planes and fighting routine fires.

Buy from UWF. LC card FiE  
52-613.

**Smokejumpers.**

MP, USDA, 1949. 10 min, sd, color or b&w. Condensed version of three films released in

1947 with the title Smokejumper training.

Shows the smokejumpers, parachute fire fighters of the U.S. Forest Service--their training and equipment, parachuting into roadless areas, and fighting forest fires.

Borrow from USFS. Rent from  
USDA film libraries. Buy from  
UWF. Cleared for TV. LC card  
FiE 52-612.

**Smokey Bear forest fire prevention series 1--shorts--nos. 1-3.**

Once upon a time

It's up to you

Don't blame lightning

**Smokey Bear forest fire prevention series 2--musical trailers --nos. 1-3.**

Old MacDonald

Alouette

Lonesome road

**Smokey Bear forest fire prevention series 3--"pledge" trailers --nos. 1-3.**

Break your match

Use your ashtray

Obey the fire laws

**Smokey the bear.**

MP, USDA, 1952. 5 min, sd, b&w.

A group of boys on a camping trip are reminded of their responsibility in helping to keep fire out of the forest, and sing with Eddy Arnold a song entitled Smokey the bear. Prepared primarily for television.

Borrow from USFS. Rent from  
USDA film libraries. Buy from  
UWF. Cleared for TV. LC card  
FiE 52-2165.

**Snake bite kit, suction, in plastic carrying case.**

FS, USA, 1954. 39 fr, b&w, with disc: 16 in, 33 1/3 rpm, 11 min. Order no. SFS 8-191.

Explains how to recognize a poisonous snake bite and illustrates the components of the kit and their application in the treatment of snake bite, including tourniquet, iodine applicator, lancet, mechanical suction pump,



ammonia inhalant; and adhesive compresses.

Borrow from USAFIP. LC card FiE 54-806.

**Snow harvest.**

MP, USDA, 1946. 24 min, sd, color.

Shows how the winter snowfall in the mountains of the western United States is measured as a basis for the prediction of the next summer's water supply.

Rent from USDA film libraries.

Buy from UWF. LC card FiE 52-457.

**Snow ranger.**

MP, USDA, 1951. 16 min, sd, color.

How snow rangers of the U.S. Forest Service work with the National Ski Patrol for the enjoyment and safety of winter-sports enthusiasts. Portrays skiing facilities in the national forests, and shows how skiers are safe-guarded.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-611.

**Snowbound.**

MP, US Defense, 1949. 5 min, sd, b&w. Order no. AFSR 104. On same reel with film, Sea power for peace.

Shows the work of the U.S. Army and U.S. Air Force in supplying food and fuel to farmers and hay to animals snowbound in the Midwest during the winter of 1948-49.

Buy from UWF. Cleared for TV. LC card FiE 53-443.

**So many hands.**

MP, USN, 1944. 17 min, sd, color. Order no. MN 3430.

Depicts medical care given all casualties. Morale film for Navy personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1130.

**So much for so little.**

MP, USPHS, 1949. 11 min, sd, color.

A cartoon film explaining the health hazards threatening a typical American community and describing the services of a local health department.

Borrow from USPHS. Buy from UWF. LC card FiE 53-177.

**Social adjustment for the aphasic patient.**

MP, USVA, 1950. 26 min, sd, color. (Aphasic series, no. 3)

Emphasizes the problems of social reorientation encountered by the aphasic patient, and explains the use and importance of group therapy and of corrective physical therapy, retraining of the language function, and contacts outside the hospital environment. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FiE 53-105.

**Social adjustment of the blinded soldier.**

MP, USA, 1946. 29 min, sd, b&w. Order no. PMF 5035.

Shows some of the methods used in helping blinded soldiers become adjusted to their handicap, including training in avoiding obstacles while walking, determination of vocational aptitudes, training for specific jobs, and recreational experiences. Primarily for U.S. Army personnel engaged in rehabilitation programs.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1725.

**Social change in a democracy.**

MP, USA-CAD, 1951. 30 min, sd, b&w.

Portrays students in a high-school social studies class discussing the difference between conditions in a democracy and in a totalitarian state, then learning first-hand how a problem in their own community, arising from a social change, is solved by law and assembly of the people. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-2105.



**The social worker.**  
MP, USA-CAD, 1952. 26 min,  
sd, b&w.

Portrays the training and education required of a young woman who wishes to become a social worker. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV.  
LC card FiE 52-2106.

**Soft tissue wounds.**

MP, USN, 1944. 11 min, sd, color.  
(Medicine in action series, no. 4)  
Order no. MN 3726-a

How to remove shell fragments from four typical battle wounds; upper thigh, scapula, leg, and arm wounds. For medical personnel.

Borrow from USN-BuMed. Buy  
from UWF. LC card FiE 52-993.

**Soil and water conservation.**

MP, USDA, 1948. 9 min, sd, b&w.  
Conservation farming methods to protect soil and water resources --contouring, terracing, strip cropping, cover crops, crop rotation, tree and grass planting, etc.

Rent from USDA film libraries.  
Buy from UWF. LC card FiE  
52-64.

**Soil and water conservation by the beaver.**

FS, USDA, 1938. 48 fr, b&w.  
Order no. 502. With lecture notes.  
Explains the history, habits, and economic relations of the beaver, with reference to farm and forest lands; and shows how to establish new beaver colonies.

Buy from PhotoLab. LC card FiE  
52-2920.

**Soil cement surfaces.**

MP, USA, 1952. 12 min, sd, b&w.  
(Military roads and runways series, no. 4) Order no. TF 5-1192.

Demonstrates various methods in road and runway construction.

Borrow from USA. Buy from  
UWF. LC card FiE 52-1496.

**Soil conservation benefits wildlife.**

FS, USDA, 1939. 31 fr, b&w.  
Order no. 558. With lecture notes.  
Shows how nature reclaims areas saved by soil conservation, providing cover for game, fish, and other wildlife.

Buy from PhotoLab. LC card  
FiE 52-2915.

**Soil conservation is your business.**

FS, USDA, 1952. 63 fr, single or double, b&w. Order no. 706.  
With lecture notes.

Explains man's dependence upon the soil, shows some of the consequences of soil impoverishment, and emphasizes conservation measures.

Buy from PhotoLab. LC card  
FiE 53-1040.

**Soil erosion and its control in orchards.**

FS, USDA, 1941. 38 fr, single or double, b&w. Order no. 611.  
With lecture notes.

Shows causes of orchard erosion, and how to control such erosion by gully treatment, terracing, strip cropping, straw mulching, contour planting, and the use of cover crops.

Buy from PhotoLab. LC card  
FiE 52-2908.

**Soil erosion in the United States.**

FS, USDA, 1937. 48 fr, b&w.  
Order no. 467. With lecture notes.  
Shows effects of man-made and natural erosion, farming practices that cause erosion, and methods of controlling erosion.

Buy from PhotoLab. LC card  
FiE 52-2909.

**Soil explorations.**

MP, USA-Eng, 1951. 28 min, sd, color.

Shows the methods and procedures used in obtaining disturbed and undisturbed soil samples for testing in the Corps of Engineers soil laboratories.

Borrow from USA-Eng. Cleared  
for TV. LC card FiE 52-1998.



**Soil tests for earth construction.**  
MP, USA-Eng, 1951. 25 min, sd, color.

Portrays laboratory methods and procedures used by the U.S. Army Corps of Engineers in obtaining soil test data needed for the design and construction of earth structures such as levees and earth dams.

Borrow from USA-Eng. Cleared for TV. LC card FiE 52-1999.

**Soldering lugs and splicing stranded conductors.**

MP, USOE, 1945. 18 min, sd, b & w. (Electrical work series. Wiring, no. 2) Order no. OE 371. With instructor's manual.

How to solder a lug; using electric soldering tongs, a blowtorch, and solder pot and ladle; splice stranded conductors; and make a served cable splice.

Buy from UWF. LC card FiE 52-141.

**Soldering lugs and splicing stranded conductors.**

FS, USOE, 1945. 39 fr, b&w. (Electrical work series. Wiring, no. 2) Order no. OE 371-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2616.

**The soldier at leisure.**

MP, USA, 1952. 14 min, sd, b&w. Order no. MF 7936.

Explains the functions of Army service clubs and the activities provided for soldiers' leisure time; includes pictures of soldiers in Japan on tours, watching sport exhibitions, and being instructed in music and floral arrangements.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-168.

**Soldiers of freedom.**

MP, US Defense, 1951. 21 min, sd, b&w. Order no. AFSR 136.

Portrays soldiers from MDAP (Military Defense Assistance Program) countries attending the

U.S. Army Infantry School at Fort Benning, Ga., and learning about U.S. weapons and tactics.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-2043.

**Solution of illustrative problems in celestial navigation.**

MP, USAF, 1942. 32 min, sd, b&w. (Celestial navigation series) Order no. TF J-550.

Illustrates preflight computations and flight procedure in making a typical celestial navigation flight.

\*Shows use of the sextant in shooting stars, and plotting fixes by various methods.

Buy from UWF. LC card FiE 52-1485.

**Some effects of air-fuel ratio on combustion in a high-speed compression-ignition engine.**

MP, USNACA, 1934. 15 min, si, b&w. Order no. TF 3. With lecture notes.

Shows through high-speed motion pictures (2,500 photographs per second) combustion in the chamber of a high-speed Diesel engine with air-fuel ratios varying from 10.4 to 365. A record film for technical personnel, to be used with NACA Report 545: "Effects of air-fuel ratio on fuel spray and flame formation in a compression-ignition engine."

Borrow from USNACA. LC card FiE 54-213.

**Some effects of fuel injection advance angle on combustion in a high-speed Diesel engine.**

MP, USNACA, 1934. 15 min, si, b&w. Order no. TF 1. With lecture notes.

Shows through high-speed motion pictures (2,000 photographs per second) the effect of fuel injection advance angle on flame formation in the combustion chamber of a high-speed Diesel engine. A record film for technical personnel, to be used with NACA Report 525: "Some effects of injection advance angle, engine-jacket temperature, and speed on



combustion in a compression-ignition engine."

Borrow from USNACA. LC card FIE 54-214.

Some methods of estimating milk quality by bacterial tests.

FS, USDA, 1939, 49 fr, b&w. Order no. 170. With lecture notes.

Explains the requirements for the production of good milk with emphasis upon cleanliness; and shows three methods of estimating bacteria in milk--plate method, microscopic inspection, and methylene blue test.

Withdrawn from active circulation in 1952. LC card FIE 52-2883.

Some pickin'.

MP, USDA, 1946. 17 min, sd, b&w.

Demonstrates how experts pick cotton as illustrated at the 1945 National Cotton Picking Contest, Blytheville, Arkansas.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-579.

Some principles of breeding demonstrated with the herediscope.

FS, USDA, 1942. 40 fr, b&w. Order no. 278. With lecture notes.

Explains the fundamental laws of heredity and demonstrates the use of the herediscope, a device designed by R. R. Graves of the Bureau of Dairy Industry.

Buy from Photolab. LC card FIE 52-2902.

Something about a soldier.

MP, US Defense, 1948. 8 min, sd, b&w. Order no. AFSR 95. On same reel with film, Arctic Igloo. The importance of appearance and behavior to soldiers. Prepared for use by U.S. Armed Forces personnel.

Borrow from USA. Buy from UWF. LC card FIE 53-312.

Something you didn't eat.

MP, USDA, 1945. 9 min, sd, color.

Reviews briefly the history of scurvy and beri-beri and the dis-

covery of vitamins; identifies the seven basic food groups essential to good health; and emphasizes the importance of a balanced diet.

Rent from USDA film libraries. LC card FIE 52-1935.

South American medley series, nos. 1-4.

Venezuela

Colombia

Buenos Aires and Montevideo

Brazil

South Chile.

MP, USOIAA, 1945. 21 min, sd, b&w.

Shows the country, scenery, agriculture, and people of Patagonia.

Rent from USOIAA film libraries.

Buy from UWF. LC card FIE 52-712.

The South grows green.

MP, USDA, 1948. 43 min, sd, color.

Reviews the changes in agriculture in the South, emphasizing particularly crop diversification, soil conservation methods, and improvement of the land.

Buy from UWF. LC card FIE 52-480.

South of the border with Disney.

MP, USOIAA, 1943. 35 min, sd, color.

Follows Walt Disney and his staff on a tour of South and Central America; shows scenes of dances and customs and the people in different countries, the sketches made by the Disney artists, and the cartoon characters developed from these sketches which were featured in the motion picture, *Saludos amigos*.

Rent from USOIAA film libraries. LC card FIE 52-681.

South with the sun.

MP, USMC, 1949. 20 min, sd, color. Order no. MH 6446-1.

Travelog of Cuba, Panama, and the West Indies designed to encourage enlistment and re-enlistment in the Marine Corps.

Borrow from USMC. LC card FIE 54-328.



**Southern Brazil.**

MP, USOIAA, 1945. 20 min, sd, b&w.

Shows the country and particularly the agriculture of Parana, Santa Catarina, and Rio Grande do Sul in Brazil.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-711.

**Southern pines pay.**

FS, USDA, 1940. 50 fr, b&w. Order no. 595. With lecture notes. Illustrates uses of various types of pines adapted to southern areas, explains their value to farmers, and demonstrates the requirements of good timber farming.

Buy from PhotoLab. LC card FIE 52-2846.

**The Soviet Union and its peoples.**

MP, US Defense, 1951. 19 min, sd, b&w. Order no. AFSR 131.

A brief survey of the Soviet Union and its peoples covering geographical features, climate, history, industry, transportation, culture, and political organization. Prepared for use by U.S. Armed Forces personnel.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-237.

**Space spraying.**

MP, USPHS, 1954. 9 min, sd, b&w. (Community fly control series) Order no. M 128. Revision of 1950 film with the title, Spraying equipment and procedures. Part 2: Space spraying.

Shows the purpose of space spraying in fly and mosquito control; types and operation of equipment -- mist and fog machines; techniques of application; and evaluation of results.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-149.

**Spain.**

MP, US Defense, 1953. 10 min, sd, b&w. Order no. AFIP 32.

Explains Spain's geography, government, culture, economic structure, and military and political significance.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-650.

**Speaking of models.**

MP, USA-Eng, 1952. 14 min, sd, color.

Shows how hydraulic model studies made by the Corps of Engineers at the Waterways Experiment Station, Vicksburg, Miss., aid in the planning and designing of projects for flood control, navigation, and hydroelectric power.

Borrow from USA-Eng. Cleared for TV. LC card FIE 53-230.

**Special circumstances.**

MP, USN, 1943. 14 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-x.

Illustrates five causes in which the courts decided the rules of special circumstances were not applicable.

Buy from UWF. LC card FIE 52-954.

**Special court martial.**

MP, USN, 1952. 38 min, sd, b&w. (Uniform code of military justice series) Order no. MN 7319-d.

Demonstrates the procedures and conduct of a special court martial and explains the duties and responsibilities of Navy officers at such a court martial.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2121.

**Special lights.**

MP, USN, 1943. 29 min, sd, color. (Rules of the nautical road series) Order no. MN 202-g.

International and inland rules for flare-ups, naval and navigation signals, pilot vessels, trawlers, ferry boats, dredges, subsurface vessels, pipe lines, floating plants, airplanes, small craft, fishing craft at anchor, etc.

Buy from UWF. LC card FIE 52-937.

**Special purpose vacuum tubes.**

FS, USN, 1943. 75 fr, b&w with disc: 16 in, 33 1/3 rpm, 19 min.



(Radio technician training series)  
Order no. SN 1549-g.)  
Explains the construction, sizes,  
models, and multiple uses of  
various vacuum tubes.  
Buy from UWF. LC card FIE  
52-922.

**Special steering and sailing  
rules.**  
MP, USN, 1943. 14 min, sd, b&w.  
(Rules of the nautical road series)  
Order no. MN 202-z.  
Gives the steering and sailing  
rules governing a steam vessel  
under way and a sailing vessel  
fishing; defines "privilege" and  
"burden."  
Buy from UWF. LC card FIE  
52-956.

**Special techniques for the home  
gardener.**  
FS, USDA, 1952. 35 fr, single  
or double, b&w. Order no. 705.  
With lecture notes.  
Explains techniques to be used in  
planning and growing a vegetable  
garden that will give the greatest  
return in quality and quantity.  
Buy from Photofab. LC card FIE  
53-1039.

**Speech reading.**  
MP, USA, 1952. 28 min, sd, b&w.  
Order no. TF 8-1706.  
Explains how persons with a  
hearing loss can learn, by care-  
ful interpretation of lip move-  
ments, to "see" what people are  
saying. Shows how vowel and con-  
sonant sounds are formed by the  
mouth.  
Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FIE 53-495.

**Speed drop.**  
MP, USN, 1943. 5 min, sd, b&w.  
(Diesel engine governors series.  
Marquette governor, no. 2) Order  
no. MN 2598-b.  
Demonstrates how load equalizer  
is added to the governor to con-  
trol speed, and how the power  
piston and speeder spring func-  
tion.

Buy from UWF. LC card FIE  
52-1084.

**Spinning.**  
MP, USBM, 1944. 17 min, sd,  
b&w. (How to form aluminum  
series) Order no. 208.  
Shows and explains the tech-  
niques of metal spinning; stand-  
ard tools and their operation;  
and flanging, beading, planishing,  
and burnishing.  
Borrow from USBM. Cleared for  
TV. LC card FIE 52-637.

**Splicing a wooden spar.**  
MP, USOE, 1945. 21 min, sd,  
b&w. (Aircraft work series.  
Aircraft maintenance) Order no.  
OE 248. With instructor's man-  
ual.  
How to cut a scarf joint on a  
spar; finish a scarf face by  
hand; glue and assemble a scarf  
joint; make, glue, and assemble  
reinforcement plates; and trim  
a spar to shape and size.  
Buy from UWF. LC card FIE  
52-274.

**Splicing a wooden spar.**  
FS, USOE, 1945. 45 fr, b&w.  
(Aircraft work series. Aircraft  
maintenance) Order no. OE 248-  
fs.  
Supplements motion picture with  
the same title.  
Buy from UWF. LC card FIE  
52-2736.

**Split-phase motor principles.**  
MP, USOE, 1945. 17 min, sd,  
b&w. (Electrical work series.  
Electrical machinery, no. 4) Or-  
der no. OE 386. With instructor's  
manual.  
Construction of stator and rotor;  
comparison of winding in two-  
phase stator with split-phase  
stator; effects of winding resist-  
ances and inductive reactances;  
and use of capacitor to produce  
phase displacement.  
Buy from UWF. LC card FIE  
52-241.

**Split-phase motor principles.**  
FS, USOE, 1945. 48 fr, b&w.  
(Electrical work series. Elec-  
trical machinery, no. 4) Order  
no. OE 386-fs.



Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2709.

**Split-phase motor: Rewinding.**  
MP, USOE, 1945. 28 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 3) Order no. OE 394. With instructor's manual. How to test a split-phase motor for electrical and mechanical faults; dismantle and strip the stator; rewind the stator; form and install skein windings; insulate; lace, dip, and bake the stator; and assemble, lubricate, and test the motor.

Buy from UWF. LC card FiE 52-183.

**Split-phase motor: Rewinding.**  
FS, USOE, 1945. 40 fr, b&w. (Electrical work series. Motor maintenance and repair, no. 3) Order no. OE 394-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2664.

**Spontaneous drawings and paintings by psychiatric patients.**

FS, USA, 1954. 72 fr, color, with disc: 16 in, 33 1/3 rpm, 24 min. Order no. SFS 8-172.

Illustrates drawings and paintings made by mentally disturbed children and adults, and explains these drawings and paintings in terms of choice of color, choice of form, expression of thought and emotion, symbolization, and abstraction. For professional personnel.

Borrow from USA or USAFIP.

Buy from UWF. LC card FiE 54-741.

**Sporocysts and cercariae of Schistosoma mansoni.**

MP, USPHS, 1948. 6 min, sd, b&w. (Schistosomiasis mansoni study film series) Order no. 4-064.

A photomicrographic study of cercarial movements and characteristics.

Borrow from USPHS-CDC. LC card FiE 53-187.

**Spot check inspection of motor vehicles.**

MP, USA, 1948. 17 min, sd, b&w. Order no. TF 9-1513.

Shows the detailed operation of ordnance inspection terms making a spot check of a company motor pool.

Borrow from USA. LC card FiE 55-156.

**Spot welding.**

MP, USOE, 1945. 20 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 9) Order no. OE 295. With instructor's manual.

How to spot weld parts of an access cover; setup the machine; remove and install electrodes; set pressure, current, and time controls; test the setup; and clean the electrode tips.

Buy from UWF. LC card FiE 52-280.

**Spot welding.**

FS, USOE, 1945. 44 fr, b&w. (Aircraft work series. Assembling and riveting, no. 9) Order no. OE 295-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2653.

**Spotting immediate training needs.**

FS, USA, 1944. 65 fr, b&w, with disc: 16 in, 33 1/3 rpm, 12 min. (On-the-job supervision, no. 2) Order no. SFS 80-3.

Discusses the importance of identifying training needs, and the benefits resulting from improved training.

Borrow from USA. Buy from UWF. LC card FiE 53-835.

**Spray-painting equipment.**

FS, USA, 1942. 60 fr, b&w. Order no. SN 107.

Describes the parts of a typical paint-spraying outfit; spray gun, material containers, hose, air



transformer, condenser, and compressor.

Buy from UWF. LC card FIE 52-1829.

**Spray-time.**

FS, USPHS, 1945. 83 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. Order no. 5-028.

Advocates residual spraying with DDT as a malaria control measure, and shows how such spraying should be done.

Borrow from USPHS-CDC. LC card FIE 53-900.

**Spraying equipment and procedures..Part 1: Residual spraying.**

MP, USPHS, 1951. 9-min, sd, color. (Community fly control series) Order no. 4-091.

Explains the meaning of residual spraying for fly control, the necessity for this type of spraying, and the methods of using hand and power spraying equipment.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-199.

**Spread and prevention of trichinosis.**

FS, USPHS, 1948. 67 fr, b&w with disc: 16 in, 33 1/3 rpm, 12 min. Order no. 5-090. Also available, for non-professional audiences, as filmstrip with the title, Worms in your muscles.

Discusses the life cycle of *Trichinella spiralis*; prevalence and spread of trichinosis; symptoms of the disease; control measures; and consumer responsibilities. For scientific audiences.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-926.

**The squad.**

MP, USN, 1942. 25 min, sd, b&w. (Close order drill series) Order no. 201-a.

Explains that a regiment is composed of companies, platoons, and squads; and shows how the individual and the squad execute various military drills.

Buy from UWF. LC card FIE 52-1036.

**The square knot.**

MP, USCG, 1943. 5 min, sd, b&w. Order no. MCG 300.

Defines the terms bight, standing part, and fall piece; and demonstrates how to form a square knot.

Buy from UWF. LC card FIE 52-873.

**The square knot.**

FS, USCG, 1941. 26 fr, b&w. Order no. SCG 300.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-812.

**Squeeze riveting: Stationary and portable riveters.**

MP, USOE, 1945. 15 min, sd, b&w. (Aircraft work series. Assembling and riveting, no. 7) Order no. OE 293. With instructor's manual.

How to select correct rivet sets for stationary and portable squeezers; set up and use the stationary squeezer and the portable squeezer.

Buy from UWF. LC card FIE 52-278.

**Squeeze riveting: Stationary and portable riveters.**

FS, USOE, 1945. 36 fr, b&w. (Aircraft work series. Assembling and riveting, no. 7) Order no. OE 293-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2791.

**Squirrel-cage rotor principles.**

MP, USOE, 1945. 10 min, sd, b&w. (Electrical work series. Electrical machinery, no. 3) Order no. OE 385. With instructor's manual.

Laws of magnetism and induced e.m.f.; electron flow in squirrel-cage rotor setting up magnetic poles which create torque; construction of squirrel-cage rotors.

Buy from UWF. LC card FIE 52-239.



**Squirrel-cage rotor principles.**  
FS, USOE, 1945. 28 fr, b&w.  
(Electrical work series. Electrical machinery, no. 3) Order no. OE 385-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2707.

**Staining blood films for malaria parasite examination.**

FS, USPHS, 1947. 90 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Malaria control series) Order no. 5-072.

Shows how to stain thick and thin blood films for the laboratory diagnosis of malaria; includes the technique of preparing Giemsa, Wright-Giemsa, and Wright's blood stains.

Borrow from USPHS-CDC. LC card FIE 52-2989.

**Stainless steel.**

MP, USBM, 1943. 29 min, sd, b&w. Order no. 201.

Emphasizes the waste caused by rust; illustrates the corrosion-resistant quality of stainless steel; gives a step-by-step description of the making of stainless steel.

Borrow from USBM. Cleared for TV. LC card FIE 52-631.

**Stalemate in Korea.**

MP, US Defense, 1951. 19 min, sd, b&w. Order no. CB 113.

Military operations in Korea from July 20 to August 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1664.

**Standard breeds of poultry.**

FS, USDA, 1940. 48 fr, b&w. Order no. 133. With lecture notes.

Shows standard breeds of poultry, male and female, parts of fowls, and illustrative breeds of geese, ducks, and turkeys.

Buy from PhotoLab. LC card FIE 52-2851.

**Standards of a serviceman.**

MP, US Defense, 1951. 12 min, sd, b&w. Order no. AFIF 13.

Explains the military standards required of servicemen and the importance of discipline and teamwork.

Borrow from USA or USAF. Cleared for TV. LC card FIE 52-2191.

**Standardization of crew training for search and rescue craft series.**

See Search and rescue series. Standardization of crew training for search and rescue craft.

**Standing waves on transmission lines.**

MP, USN 1945. 23 min, sd, b&w. (Radio technician training series) Order no. MN 1540-k.

By means of animated diagrams, laboratory demonstrations, and diverse analogies explains the causes, results, and prevention of standing waves in radio high frequency transmission lines.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-923.

**Star identification.**

MP, USN, 1943. 16 min, sd, b&w. (Navigation series) Order no. MN 83-f.

Explains briefly the apparent movement of the stars across the sky; and locates and identifies 23 basic navigation stars, including Dube, Polaris, Arcturus, Spica, Regulus, Vega, Betelgeuse, Sirius, and several important constellations.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-978.

**Statistical quality control: Acceptance sampling.**

MP, USN, 1951. 18 min, sd, b&w. Order no. MN 6621-b.

Statistical methods employed in acceptance sampling by government inspectors responsible for acceptance of products.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-1255.



**Statistical quality control: Process control.**

MP, USN, 1951. 12 min, sd, b&w.  
Order no. MN 6621-a.

Shows statistical methods involved in process control as a means of obtaining for the government a better product at a lower price.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1254.

**Stay in school.**

MP, USN, 1951. 13 min, sd, b&w.  
Order no. MN 6891.

Explains that young people should stay in school if they can possibly do so; and portrays, through two dramatized cases, some of the values of a high-school education. Prepared for use by the U.S. Navy Recruiting Service.

Borrow from USN. Cleared for TV. LC card FiE 52-2186.

**Steam engine indicator.**

FS, USCG, 1943. 76 fr, b&w.  
Order no. SCG 176-d.

Shows the operation and use of a steam engine indicator.

Buy from UWF. LC card FiE 52-809.

**Steam turbine construction.**

FS, USCG, 1943. 80 fr, b&w.  
Order no. SCG 178.

Shows a turbine installation and explains the principles of the impulse and reaction-type turbines.

Buy from UWF. LC card FiE 52-810.

**The steel rule.**

MP, USOE, 1941. 14 min, sd, b&w. (Machine shop work series. Precision measurement no. 1) Order no. OE 1. With instructor's manual.

How to read steel rules; use flexible hook and rule-type gages; lay out holes with a combination square and scribe them with a divider; and use inside and outside calipers to transfer dimensions to and from steel rules.

Buy from UWF. LC card FiE 51-1.

**The steel rule.**

FS, USOE, 1943. 52 fr, b&w. (Machine shop work series. Precision measurement, no. 1) Order no. OE 1-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 51-2.

**Steel town.**

MP, USOWI, 1944. 17 min, sd, b&w. (American scene series, no. 4)

Shows the steel mills, blast furnaces, and lives of the steel workers in Youngstown, Ohio. Prepared for overseas use.

Buy from UWF. LC card FiE 52-778.

**Steep turns and spirals.**

MP, USN, 1946. 11 min, sd, b&w. (Primary flight training series) Order no. MN 3474-o.

Explains the procedures and principle involved in executing steep turns and spirals. Shows scenes of aircraft in flight from the pilot's cockpit and from an observation plane.

Borrow from USCAA film libraries. LC card FiE 54-329.

**Steering.**

FS, USCG, 1943. 122 fr, b&w.  
Order no. SCG 127.

Explains the effect of the rubber and propeller on steering, the commands to follow when changing course, and how to use the lubber line and compass for steering.

Buy from UWF. LC card FiE 52-843.

**Steering, clutch, and brake.**

MP, USA, 1953. 11 min, sd, b&w. (Operator's adjustments, D-7 tractor, no. 2) Order no. TF 5-1826.

Demonstrates proper steering techniques in the operation of the D-7 tractor, and explains how to detect steering, clutch, and brake troubles and how to make the necessary adjustments to correct them.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-511.



**Steering, wheels, front and rear axles.**

MP, USOE, 1945. 19 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 8) Order no. OE 484. With instructor's manual.

How to check for play in the steering wheel and the front end assembly; correct wheel runout; make a toe-in test; and test springs, axles, and overall backlash.

Buy from UWF. LC card FiE 52-362.

**Steering, wheels, front and rear axles.**

FS, USOE, 1945. 43 fr, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 8) Order no. OE 484-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2817.

**Stem rust.**

MP, USDA, 1950. 14 min, sd, color.

Shows and explains the nature of stem rust, a fungus disease that destroys wheat, oats, barley, and rye; describes its spread through a host, the barberry; and stresses the need to destroy barberry bushes to control the disease.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FiE 52-443.

**Step by step in everyday tasks.**

FS, USDA, 1944. 60 fr, single or double, b&w. Order no. 643. With lecture notes.

Suggests short and easy methods of doing everyday tasks in the home, stressing the need to eliminate unnecessary motions and steps.

Buy from PhotoLab. LC card FiE 52-2938.

**A step-saving kitchen.**

MP, USDA, 1949. 14 min, sd, color.

Demonstrates the features and facilities of a modern farm kitchen

scientifically designed and built by the Bureau of Human Nutrition and Home Economics. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-1934.

**A step-saving U kitchen.**

FS, USDA, 1949. 40 double fr, color. Order no. C-2. With lecture notes.

Shows details of the kitchen designed by and built in the laboratories of the Bureau of Human Nutrition and Home Economics. Buy from PhotoLab. LC card FiE 52-2899.

**Sterile technique.**

FS, USA, 1944. 65 fr, b&w. Order no. FS 8-98.

Presents procedures used in assuring aseptic conditions in the preparation of personnel, instruments, and accessory materials for a surgical operation. Borrow from USAFIP. LC card FiE 54-719.

**Stern launching, DD 445 class.**

MP, USN, 1944. 19 min, sd, b&w. (Shipbuilding skills series) Order no. MN 2351-b.

Presents an over-all view of the technical operations involved in the stern-type launching of a destroyer.

Buy from UWF. LC card FiE 52-1195.

**The Stilwell Road.**

MP, USA, 1945. 51 min, sd, b&w. (Campaign reports series) Order no. CR 3.

Documentary record of the construction of a supply road through the mountains and jungles of Burma in World War II.

Borrow from USA. Buy from UWF. LC card FiE 52-1667.

**Stop, look, and question.**

FS, USA, 1949. 95 fr, b&w, with disc: 16 in, 33 1/3 rpm, 18 min. (On-the-job supervision series, no. 5) Order no. SFS 80-8.

Explains how to improve job methods by following these steps: break down the job, question every detail, develop the new method, and apply the new method.



Borrow from USA. Buy from UWF. LC card FiE 53-834.

**Store it right.**

MP, USA, 1945. 15 min, sd, b&w. Order no. TF 10-2086.

Shows how the Army is supplied with war materials, and compares fundamental principles of army depot warehousing in a zone of the interior, a communications zone, and a combat zone.

Borrow from USA. Buy from UWF. LC card FiE 52-1557.

**The story of a spark plug.**

MP, USBM, 1948. 33 min, sd, b&w. Order no. 189.

Explains the uses of spark plugs and the principles of their operation; shows the manufacture of spark plugs.

Borrow from USBM. Cleared for TV. LC card FiE 52-624.

**The story of a storage battery.**

MP, USBM, 1947. 32 min, sd, b&w. Order no. 225.

Explains by animation the principle of a storage battery; shows the operations in the manufacture of storage batteries; gives instructions on the care of batteries; illustrates industrial and domestic uses of batteries.

Borrow from USBM. Cleared for TV. LC card FiE 52-653.

**Story of a transport.**

MP, USCG, 1945. 18 min, sd, b&w.

Reviews the World War II service of the transport "Wakefield," formerly the liner "Manhattan"; shows it being used for the transportation of troops, bombed at Singapore, and burned in the Atlantic.

Borrow from USCG. LC card FiE 52-863.

**A story of arc welding.**

MP, USBM, 1945. 24 min, sd, color. Order no. 214.

Explains the advantages of arc welding; demonstrates the techniques of such welding; and shows the uses of arc welding in industry, on the farm, and for the repair of military equipment.

Borrow from USBM. Cleared for TV. LC card FiE 52-642.

**A story of copper.**

MP, USBM, 1951. 33 min, sd, color. Order no. 213.

Shows in detail open-pit and underground mining of copper, ore smelting, electrolytic refining, and casting into bars of refined copper. Mentions briefly the uses of copper, historically and today.

Borrow from USBM. Cleared for TV. LC card FiE 52-641.

**The story of gasoline.**

MP, USBM, 1948. 23 min, sd, color. Order no. 229.

Explains the composition and action of gasoline, and shows how it is manufactured from crude oil.

Borrow from USBM. Cleared for TV. LC card FiE 52-657.

**A story of goodwill.**

MP, USA-CAD, 1952. 19 min, sd, b&w.

Portrays four students at International House, N. Y. - Korean, Japanese, Chinese and Filipino - discussing the assistance given their countries by the United States.

Buy from UWF. Cleared for TV. LC card FiE 52-2107.

**The story of Koula.**

MP, USECA, 1950. 22 min, sd, b&w.

Story of the importation of American mules into Greece under Marshall aid; of the happiness which one of the mules, Koula, brings to a small boy; and of the value of the mules to Greek farmers. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-578.

**A story of lead.**

MP, USBM, 1952. 22 min, sd, b&w. Order no. 228.

Portrays mining operations in the lead belt of Southeast Missouri; the crushing of ore, smelting, refining, and other steps in the production of pig lead for industrial use.

Borrow from USBM. Cleared for TV. LC card FiE 52-656.



**The story of lubricating oil.**  
MP, USBM, 1949. 21 min, sd, color. Order no. 235.

Explains through animated drawings how lubricants are derived from crude petroleum; shows types of refining equipment, the use of additives to improve the quality of lubricating oil, and control and performance tests in the manufacture of lubricating oil.

Borrow from USBM. Cleared for TV. LC card FiE 52-663.

**The story of MDAP.**  
MP, USA, 1951. 27 min, sd, b&w. Order no. MF 7844.

Explains the origin, development, and purpose of the Mutual Defense Assistance Program.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2063.

**The story of menhaden.**  
MP, USFWS, 1951. 20 min, sd, color.

General portrayal of the menhaden industry in the United States, showing steps in the catching and processing of menhaden.

Borrow from USFWS. Cleared for TV, but advance approval required. LC card FiE 52-2184.

**The story of naval aviation.**  
MP, USN, 1954. 28 min, sd, b&w. Order no. MN 7969.

A history of the development of naval aviation in the U.S. Navy. Emphasizes the integration of aviation with other activities in fleet operations.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-402.

**The story of nickel.**  
MP, USBM, 1946. 30 min, sd, b&w. Order no. 217.

Emphasizes the importance of nickel in metallurgy; and shows how nickel is mined, milled, smelted, and refined.

Borrow from USBM. Cleared for TV. LC card FiE 52-645.

**A story of nickel refining.**  
MP, USBM, 1950. 18 min, sd, b&w. Order no. 181.

Portrays the operation of a nickel refinery; transportation of fuel and concentrates; reverberatory-type furnaces; water-cooled anode casting wheel; electrolytic tank house; making of nickel shot and ingots, black nickel oxide, and nickel cathodes.

Borrow from USBM. Cleared for TV. LC card FiE 52-619.

**The story of rock-wool home insulation.**  
MP, USBM, 1942. 25 min, sd, b&w. Order no. 193.

Explains the causes of drafts and heat loss in homes and the value of insulation. Shows the manufacture of rock wool insulation and the installation of such insulation in homes.

Borrow from USBM. Cleared for TV. LC card FiE 52-627.

**Story of the aircraft propeller.**  
FS, USN, 1943. 43 fr, b&w. Order no. SN 2788.

Discusses the principle upon which all propellers operate, and explains the operating advantages and limitations of different modern types of propellers.

Borrow from USCAA film libraries. LC card FiE 54-797.

**The story of the DE-733.**  
MP, USN, 1945. 54 min, sd, b&w. (Venereal disease control in the U.S. Navy series) Order no. MN 2454-e.

Tells the story of how venereal diseases may seriously affect the fighting efficiency of a ship's crew.

Borrow from USN-BuMed. LC card FiE 54-150.

**Story of the Great Lakes.**  
MP, USCG, 1954. 28 min, sd, b&w.

Explains and portrays the economic importance of the Great Lakes in the transportation of iron ore, coal, grain, and other raw materials, and the functions and operations of the U.S. Coast Guard in maintaining this inland waterway.

Borrow from USCG. Buy from UWF. Cleared for TV. LC card FiE 54-95.



**The story of the helicopter.**

MP, USAF, 1944. 21 min, sd, b&w.  
Order no. TF 1-3677.

Reviews the history of rotary winged aircraft designed on Leonardo da Vinci's direct-lift principle; shows how the first practical design, the FW-61, evolved from numerous unsuccessful experiments; distinguishes the helicopter from the autogyro; and describes Sikorsky's XR-4.

Borrow from USAF. Cleared for TV. LC card FIE 55-107.

**The story of Wendy Hill.**

MP, USPHS, 1949. 16 min, sd, color.

Dramatized story of a young woman who discovers she has diabetes, talks the problem over with her doctor and her husband, adjusts her living pattern in necessary minor ways, and continues to lead a happy life.

Borrow from USPHS. Buy from UWF. Cleared for TV. LC card FIE 52-2179.

**The stowaway series, nos. 1-3.**

Disease and personal hygiene  
Galley sanitation  
Food storage

**Straddle and surface milling to close tolerances.**

MP, USOE, 1941. 27 min, sd, b&w.  
(Machine shop work series. Operations on the milling machine, no. 2) Order no. OE 13. With instructor's manual.

How to make surface and straddle milling cutter setups; surface mill four sides of a workpiece; and machine a workpiece to a T shape by straddle-milling.

Buy from UWF. LC card FIE 51-520.

**Straddle and surface milling to close tolerances.**

FS, USOE, 1943. 53 fr, b&w.  
(Machine shop work series. Operations on the milling machine, no. 2) Order no. OE 13-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-55.

**Straddle milling.**

MP, USOE, 1941. 17 min, sd, b&w.  
(Machine shop work series. Operations on the milling machine, no. 3) Order no. OE 14. With instructor's manual.

How to use an indexing fixture for production milling operations; space cutters on an arbor for straddle milling; and mill parallel bosses on connecting rods.

Buy from UWF. LC card FIE 51-522.

**Straddle milling.**

FS, USOE, 1943. 40 fr, b&w.  
(Machine shop work series. Operations on the milling machine, no. 3) Order no. OE 14-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-53.

**Straight and level flight.**

MP, USAF, 1943. 17 min, sd, b&w.  
Order no. TF 1-3307.

Discusses fundamental flying techniques as applied to straight and level flight. For pilots.

Borrow from USCAA film libraries. LC card FIE 54-227.

**Straps and transportation bridles.**

MP, USA, 1943. 15 min, sd, b&w.  
(Military stevedoring series, no. 5) Order no. TF 55-1118.

Shows how to attach straps and bridles to various types of draughts, handle in vertical position, and use dunnage properly.

Borrow from USA. Buy from UWF. LC card FIE 52-1587.

**Strategic Air Command.**

MP, US Defense, 1952. 20 min, sd, b&w. Order no. RTAF 145.  
Explains in general the mission and operations of the Strategic Air Command of the U.S. Air Force, and shows in detail a routine practice bombing run by a B-36 plane.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-239.



**Strategic air power.**

MP, USAF, 1951. 25 min, sd, b&w. Order no. SFP 260.

Explains and illustrates the mission of Strategic Air Command of the U.S. Air Force. Uses World War II combat scenes to show the importance of long-range bombing and the establishment of the strategic concept. Includes scenes of B-36 training flight, mid-air refueling of B-50 medium bombers, and a B-29 raid on Korean targets.

Borrow from USAF or USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-1436.

**The strategic attack.**

MP, USAF, 1951. 50 min, sd, color. Order no. TF 1-4613. Shows the strategic bombing of Japan, the building of necessary weapons, and the results of the bombing.

Borrow from USAF. Cleared for TV. LC card FIE 54-397.

**Strategic Iran.**

MP, US Defense, 1952. 14 min, sd, b&w. Order no. AFIF 27. Explains the geography, terrain, government, and cultural, economic, and political aspects of Iran, and emphasizes the importance of its oil resources.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-656.

**Strength of the hills.**

MP, USDA, 1941. 11 min, sd, b&w.

Shows the hill country of the lower Ohio River and the Ozark Mountains and the importance of its farms and forests; and emphasizes the necessity of forest fire prevention.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-603.

**Streptomycin.**

MP, USA-CAD, 1950. 10 min, sd, b&w.

Reviews the events and work that led to discovery of the drug, streptomycin, by Dr. Waxman at

Rutgers University. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2108.

**Strictly personal.**

MP, USA, 1945. 36 min, sd, b&w. Order no. TF 8-2093.

Basic rules of personal health and hygiene for WAC personnel. For female audiences only.

Borrow from USAFIP. LC card FIE 54-89.

**Striking back against rabies.**

MP, USPHS, 1950. 12 min, sd, b&w. Order no. 4-087. With utilization guide.

Shows how a typical county rabies epidemic is checked by joint emergency control measures of the county health department, a state public health veterinarian, and a federal rabies control expert.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2249.

**Structural standards for restaurants.**

FS, USPHS, 1954. 60 fr, b&w. (Food handling series) Order no. F 148-h.

Shows factors of construction affecting the sanitation and cleanliness of eating establishments, including floors, walls, ceiling, ventilation, lighting, and toilet facilities.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 55-509.

**Structural units, materials, and loads for which designed.**

MP, USAF, 1941. 8 min, sd, b&w. (Airplane structures series) Order no. TF 1-211.

Describes the four structural units of an airplane--fuselage, wings, control surfaces, and landing gear. Discusses the positive and negative loads which each must withstand.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1467.

**Studies in bacteriology. Part I: Classification.**

MP, USPHS, 1953. 3 min, si, b&w. Order no. M 130-a.



Shows by cinephotomicrography and explains by caption the characteristics of five families of bacteria: Azotobacteriaceae, Micrococcaceae, Enterobacteriaceae, Bacillaceae, and Anthiorhodaceae.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-662.

**Studies in bacteriology. Part 2: Motility.**

MP, USPHS, 1953. 4 min, si, b&w. Order no. M 130-b.

Shows, by cinephotomicrography and explains by captions the motility of monotrichous, amphitrichous, and peritrichous bacteria. Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-663.

**Studies in bacteriology. Part 3: Cell division.**

MP, USPHS, 1953. 6 min, si, b&w. Order no. M 130-c.

Shows by cinephotomicrography and explains by captions the process of cell division of spherical and rod-shaped bacteria.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-664.

**Studies on motility of the human small intestines.**

MP, USA, 1948. 11 min, sd, b&w. Order no. PMF 5095.

Studies on motility of the human small intestines in a carpenter who worked for years with a ventral hernia. Shows the reactions of the intestines to barium meal, food, and drugs.

Borrow from USAFIP. LC card FiE 54-50.

**A study of air flow by means of smoke.**

MP, USNACA, 1942. 30 min, si, b&w. With lecture notes.

Explains through pictures of flow, made visible by smoke in the NACA smoke-flow tunnel, the meaning of resistance or drag and of sustentation or lift, using a flat plate, a circular cylinder, and streamlined bodies. Shows effect of shape on drag and on lift, and methods of reducing drag and increasing lift. For use by technical personnel, particularly

students beginning the study of the aeronautical sciences.

Borrow from USNACA. LC card FiE 54-215.

**A study of air flow by means of smoke.**

MP, USNACA, 1942. 60 min, si, b&w. With lecture notes.

Covers same material as in 30-minute motion picture with the same title.

Borrow from USNACA. LC card FiE 54-216.

**A study of air flow in an engine cylinder.**

MP, USNACA, 1937. 15 min, si, b&w. Order no. TF 12. With lecture notes.

Shows through high-speed pictures (2,000 photographs per second) induced air flow, made visible by mixing feathers with the entering air, in a low-compression engine cylinder, using both plain and shrouded intake valves in various arrangements. A record film for technical personnel, to be used with NACA Report 653: "A study of air flow in an engine cylinder."

Borrow from USNACA. LC card FiE 54-217.

**A study of combustion in a spark-ignition engine.**

MP, USNACA, 1938. 15 min, si, b&w. Order no. TF 13. With lecture notes.

Shows through high-speed pictures (taken at speeds up to 2,400 per second) the physical phenomena accompanying knocking combustion in a spark-ignition engine under varying conditions of air-fuel ratio, engine speed, blends of fuel, and fuels having different octane ratings. A record film for technical personnel, to be used with NACA Report 622: "A photographic study of combustion and knock in a spark-ignition engine."

Borrow from USNACA. LC card FiE 54-218.

**Subcutaneous infections.**

FS, USPHS, 1951. 17 double fr, color. (The histopathology of hu-



man fungus infections series) Order no. F 13-c.

Depicts morphological characteristics of tissue phases of fungi with particular reference to chromoblastomycosis, mycetoma, rhinoporioidosis, and sporotrichosis. Consists of pictures which may be used for making 2x2-inch slides.

Borrow from USPHS-CDC. LC card FiE 53-975.

#### Subgrade preparation.

MP, USA, 1943. 9 min, sd, b & w. (Military roads series, no. 5) Order no. TF 5-1197.

Demonstrates how to plan earth-moving operations to create best subgrade, mix sand and clay to obtain the optimum subgrade, locate subgrade to prevent failure from water, and create artificial subgrade on marshy ground.

Borrow from USA. Buy from UWF. LC card FiE 52-1500.

#### Sucking wounds of the chest.

MP, USN, 1953. 12 min, sd, color. Order no. MN 7477.

Five important steps necessary in prompt and proper treatment for a sucking chest wound are demonstrated by means of a simulated casualty on the battlefield.

Borrow from USN. Buy from UWF. LC card FiE 54-288.

#### Suction socket artificial limb.

MP, USVA, 1951. 24 min, sd, color.

Describes a recently developed unharnessed prosthesis for above-knee amputees, held on by a slight negative pressure in the closed socket and by adherence of the stump to the socket walls. Stresses the need for coordinated effort by the amputee, surgeon, and limb-fitter; depicts necessary gait training; and appraises the benefits of the suction socket prosthesis. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FiE 52-2214.

#### Suffocation.

See Pre-first aid: What to do,

#### Sugarcane.

MP, USDA, 1939. 22 min, sd, b & w.

Traces the history of the sugarcane industry in Louisiana; shows how sugarcane is grown and harvested and how sugar is manufactured.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-444.

#### Suggestion box.

MP, USOWI, 1944. 9 min, sd, b & w.

How war plant workers in 1944 were encouraged to submit suggestions and how some of these suggestions, when put into practice, resulted in a saving of time, labor, and materials.

Buy from UWF. LC card FiE 52-759.

#### Suggestion power.

MP, USA, 1944. 18 min, sd, b & w. Order no. MF 1100.

Illustrates how the War Dept. suggestion program, "Ideas for victory," improved efficiency in war production.

Borrow from USA. Buy from UWF. LC card FiE 52-1604.

#### Sulphur.

MP, USBM, 1952. 22 min, sd, color. Order no. 188.

Shows by animation and live-action photography how sulphur is melted 1,000 feet below the earth's surface by superheated water and forced by compressed air to the surface, where it is run into huge vats and solidified; blasting and loading of sulphur into cars; and how sulphur is used.

Borrow from USBM. Cleared for TV. LC card FiE 52-623.

#### Sumatra.

FS, USN, 1943. 97 fr, color with disc: 16 in, 33 1/3 rpm, 15 min. (Theatres of war series. Pacific area; Netherlands East Indies) Order no. SN 1538-o.

Describes Sumatra's aerologic and climatic characteristics; how to make the best of existing conditions; and characteristics of some of the various natives.



Buy from UWF. LC card FiE 52-1759.

**The summary court-martial.**

MP, USA, 1954. 45 min, sd, b&w. Order no. TF 15-1961.

Presents four typical cases which may be tried in a summary court-martial and illustrates conditions which prompt a recommendation for trial, relationship of summary court officer to accused, procedure followed in trial, mitigation and extenuation in defense, conviction and sentencing.

Buy from UWF. Cleared for TV. LC card FiE 54-374.

**Summary court martial.**

MP, USN, 1952. 26 min, sd, b&w. (Uniform code of military justice series) Order no. MN 7319-c.

Demonstrates the procedures and conduct of a summary court-martial and explains the duties and responsibilities of Navy officers at such a court-martial. Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 53-146.

**Summary of results of model ditching investigations of five transport airplanes.**

MP, USNACA, 1949. 15 min, si, b&w. Order no. TF 19.

Pictures of dynamic models of the Lockheed Constellation (with and without speedpak) and Constitution, the Douglas DC-4 and DC-6, and the Boeing Stratocruiser being launched so that they glide freely onto the water in an NACA tank. Explains the damage that may be expected and the resulting behavior of the airplanes, and of the nose-up attitude recommended for such emergencies. Shows landings made at high and low altitudes, at different speeds, all with flaps full-down and in calm water. Comments on what may be expected in rough water.

Borrow from USNACA. LC card FiE 54-219.

**Summer care and harvesting in the home garden.**

FS, USDA, 1952. 35 fr, single or double, b&w. Order no. 704. With lecture notes.

Shows techniques in caring for a vegetable garden during the growing months and methods of harvesting at the proper time.

Buy from PhotoLab. LC card FiE 53-1038.

**Summer movements in the Arctic.**

MP, USA, 1950. 15 min, sd, b&w. Order no. FB 232.

Shows typical terrain features of Arctic and sub-Arctic regions, explains characteristics peculiar to these regions, and emphasizes the difficulties involved in the movement of men and supplies. Borrow from USA. Cleared for TV. LC card FiE 55-199.

**Sun, sand, and survival.**

MP, USAF, 1954. 22 min, sd, color. Order no. TF 1-4991.

Analyzes the physiological effects of prolonged heat and thirst and emphasizes the importance of sweat control, and the proper use of water of the desert. Also shows the proper use of survival equipment and how to set up a survival plan, send distress messages, make shade, and use the survival manual.

Borrow from USAF. Cleared for TV. LC card FiE 55-122.

**Sundays in the valley of Mexico.**

MP, USOIAA, 1942. 11 min, sd, color.

Shows Sunday recreational opportunities in Mexico City, including scenes of a large cathedral, the roof garden of a modern hotel, and Xochimilco.

Rent from USOIAA film libraries.

Buy from UWF. LC card FiE 52-736.

**Sunset Division: 41st Infantry Division.**

MP, USA, 1950. 15 min, sd, b&w. Order no. MF 7730.

History of the U.S. 41st Infantry Division, particularly during World War II.



Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1707.

**Sunset in the Pacific.**

MP, USCG, 1945. 20 min, sd, color.

Reviews the accomplishments of the Army, Navy, Marine Corps, and Coast Guard photographers by showing memorable scenes of Pacific battles during World War II.

Borrow from USCG. LC card FiE 52-871.

**Superelevated flow in curved open channels.**

MP, USA-Eng, 1945. 25 min, sd, color.

Demonstrates tests on a series of curved open channels, and shows the effect upon flow conditions in the curve produced by superelevating the bottom.

Borrow from USA-Eng. LC card FiE 52-2006.

**Superficial infections.**

FS, USPHS, 1951. 15 double fr, color. (The histopathology of human fungus infections series) Order no. F 13-a.

Depicts morphological characteristics of tissue phases of fungi with particular reference to otomycosis, black piedra, tinea versicolor, and trichomycosis axillaris. Consists of pictures which may be used for making 2x2-inch slides.

Borrow from USPHS-CDC. LC card FiE 53-973.

**Superheat control.**

MP, USN, 1944. 11 min, sd, b&w. (Fireroom operation series) Order no. MN 2356-f.

Shows how to light off a saturated furnace, light the superheater when steam reaches 600 lbs, increase the superheat temperature, and secure the superheater. Buy from UWF. LC card FiE 52-1185.

**Supervising women workers.**

MP, USOE, 1944. 11 min, sd, b&w. (Problems in supervision series) Order no. OE 158. With instructor's manual.

A plant manager advises a foreman to remember that women workers haven't the same industrial experience as men and very often have more home responsibilities; and to take these facts into account in his supervision.

Buy from UWF. LC card FiE 52-159.

**Supervising workers on the job.**

MP, USOE, 1944. 10 min, sd, b&w. (Problems in supervision series) Order no. OE 157. With instructor's manual.

Dramatized incidents illustrating good and poor methods of supervision, including the necessity for obtaining the confidence of workers and the dangers of "snoopering."

Buy from UWF. LC card FiE 52-81.

**Supervision series. See Problems in supervision series.**

**The supervisor as a leader, part 1.**

MP, USOE, 1944. 14 min, sd, b&w. (Problems in supervision series) Order no. OE 168. With instructor's manual.

Four dramatized episodes illustrating poor supervisory practices and the importance of the following rules: Always keep promises. Never take credit for someone else's work. Don't pass the buck. Don't play favorites. Buy from UWF. LC card FiE 52-76.

**The supervisor as a leader, part 2.**

MP, USOE, 1944. 13 min, sd, b&w. (Problems in supervision series) Order no. OE 169. With instructor's manual.

Four more dramatized instances of poor supervision leading to the following generalizations: Be a leader not an authoritarian. Show appreciation for a job well done. Do not become angry. Protect the rights and feelings of workers. Buy from UWF. LC card FiE 52-75.



**Suppling exercises.**

MP, USA, 1942. 16 min, sd, b&w.  
(Horsemanship series, no. 4) Order no. TF 2-603.

Explains conditioning of the muscles and parts of the body in riding. Demonstrates exercises used to supple muscles and parts of the body most used in riding--neck, shoulders, loins, hip joints, knees, and ankles.

Borrow from USA. Buy from UWF. LC card FiE 52-1493.

**Surgical approaches to the ankle joint.**

MP, USVA, 1952. 32 min, sd, color.

Explains by animated diagrams the anatomy of the dorsolateral and medial aspects of the ankle joint; shows operations employing approaches to the dorsal, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 53-106.

**Surgical approaches to the joints of the foot.**

MP, USVA, 1952. 32 min, sd, color.

Explains by animated diagrams the dorsolateral and medial aspects of the foot; shows operations employing approaches to the dorsal, dorsolateral, and plantar aspects; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 53-107.

**Surgical approaches to the bones of the wrist.**

MP, USVA, 1952. 34 min, sd, color.

Explains by animated diagrams the anatomy of the volar, dorsal, and ulnar aspects of the wrist; shows operations employing approaches to the volar, radiovolar, ulnar, and dorsal aspects; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 53-108.

**Surgical approaches to the elbow joint.**

MP, USVA, 1950. 39 min, sd, color.

Explains by animated diagrams the anatomy of the anterior and posterior aspects of the elbow joint; shows operations employing approaches to the anterolateral, lateral, medial, and posterior aspects of the joint; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 53-109.

**Surgical approaches to the hip joint.**

MP, USVA, 1951. 36 min, sd, color.

Explains by animated diagrams the anatomy of the anterior and posterior aspects of the hip joint; shows operations employing approaches to the anterolateral, straight lateral, and posterolateral aspects of the joint; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 52-2215.

**Surgical approaches to the knee joints.**

MP, USVA, 1951. 37 min, sd, color.

Explains by animated diagrams the anterior and posterior aspects of the knee joint; shows operations employing approaches to the anterior and posterior aspects and to the medial and lateral sesamular cartilages; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA. Buy from UWF. LC card FiE 53-110.

**Surgical approaches to the scapulothoracic joint.**

MP, USVA, 1949. 36 min, sd, color.



Explains by animated diagrams the anatomy of the scapulohumeral joint; shows operations utilizing anterior, posterior, and muscle-splitting incisions; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA.  
Buy from UWF. LC card FIE 53-114.

**Surgical approaches to the spine and sacroiliac.**

MP, USVA, 1952. 28 min, sd, color.

Explains by animated diagrams the anatomy of the posterior aspect of the sacroiliac and the anterior and posterior aspects of the region of the spine with emphasis upon the lumbar area; shows operations involving the sacroiliac and the retroperitoneal space; and recapitulates each operation in animation. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-112.

**Surgical approaches to the sternoclavicular and acromioclavicular joints.**

MP, USVA, 1952. 17 min, sd, color.

Explains by animated diagrams the anatomy of the anterior aspect of the sternoclavicular and acromioclavicular joints; shows operations approaching each joint; and recapitulates each operation in animation. For medical personnel.

Borrow from USAFIP or USVA.  
Buy from UWF. LC card FIE 53-113.

**Surgical dressings.**

MP, USN, 1944. 19 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-a.

Shows how to check the dressing cart and prepare it for use, work with a medical officer in changing a dressing, and change a dressing unassisted.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-969.

**The surgical treatment of carotid body sensitivity in man.**

MP, USA, 1951. 20 min, sd, color. Order no. PMF 5171.

Shows carotid body sensitivity in a patient and the surgical procedures necessary for correction; compares preoperative and postoperative electroencephalograms and electrocardiograms. Borrow from USAFIP. LC card FIE 54-59.

**Surveying series.**

Building and utility layout

Measuring and leveling

Traversing

**Survival in the Arctic tundra.**

MP, USAF, 1949. 70 min, sd, color. Order no. TF 1-4597.

Shows a transport crew forced to abandon an airplane after becoming lost over the Arctic tundra, and illustrates the correct methods of survival to be followed.

Borrow from USAF. Cleared for TV. LC card FIE 55-111.

**Survival in the South Pacific.**

FS, USN, 1943. 80 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. (Theatres of war series. Pacific area) Order no. SN 1538-1.

How to obtain water and food, build a fire, construct a shelter, get along with natives, and protect oneself if forced down on an island.

Buy from UWF. LC card FIE 52-1756.

**Survivor recovery and handling.**

MP, USCG, 1947. 9 min, sd, color. (Search and rescue series. Standardization of crew training for search and rescue craft) Order no. MG 5381-a.

Shows methods of using survival suits, flotation litter, and small boats; and demonstrates methods of resuscitation of survivors. Primarily for crews of U.S. Coast Guard search and rescue craft smaller than ocean station vessels.

Buy from UWF. Cleared for TV. LC card FIE 52-852.



**Suspects and witnesses.**

MP, USA, 1949. 52 min, sd, b&w.  
Order no. TF 19-4580.

Shows techniques of interviewing witnesses and suspects by members of the Criminal Investigation Division, various types of personalities questioned, and drawing out and obtaining confessions from criminals.

Borrow from USA. LC card FiE 55-133.

**Sustained operations.**

MP, USAF, 1949. 11 min, sd, b&w.  
Order no. SFP 249.

Shows maneuvers of a B-29 squadron at Okinawa, phases of training carried on, and the performance of peacetime practice missions.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1435.

**The Svea-Newport incident.**

MP, USN, 1943. 3 min, sd, b&w.  
(Rules of the nautical road series) Order no. MN 202-t.

Shows by animation the collision of the Svea and the Newport; and the causes therefor.

Buy from UWF. LC card FiE 52-950.

**Swab your choppers.**

See Oral hygiene: Swab your choppers.

**Swaging cable terminals.**

MP, USOE, 1944. 12 min, sd, b&w.  
(Aircraft work series. Control cables, no. 3) Order no. OE 298.  
With instructor's manual.

How to measure and mark the cable accurately; set up the swaging machine; check the terminals after swaging; and remove, clean, and reassemble parts of the machine.

Buy from UWF. LC card FiE 52-267.

**Swaging cable terminals.**

FS, USOE, 1944. 37 fr, b&w.  
(Aircraft work series. Control cables, no. 3) Order no. OE 298-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2655.

**Swedes in America.**

MP, USOWI, 1943. 16 min, sd, b&w. (American scene series, no. 1)

Ingrid Bergman, speaking to her friends in Sweden, tells of the lives and contributions of Swedes in America, particularly the Swedish-American families in Minnesota. Contains a portrayal of Carl Sandburg. Prepared for overseas use.

Buy from UWF. LC card FiE 52-777.

**Swimming for survival.**

MP, USN, 1954. 18 min, sd, b&w.  
Order no. MN 9198.

Stresses the importance of learning and practicing basic swimming skills by showing emergency situations where survival depends on this knowledge. Shows the side stroke, breast stroke, trudgeon, sculling, treading water, and entering the water by jumping and diving.

Buy from UWF. Cleared for TV. LC card FiE 54-367.

**Swimming. Part 1: The beginner.**

MP, USDA, 1939. 6 min, sd, b&w.  
Excerpted from the film, Learn to swim.

Demonstrates how to breathe properly, kick, and float.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-391.

**Swimming. Part 2: Getting afloat.**

MP, USDA, 1939. 5 min, sd, b&w.  
Excerpted from the film, Learn to swim.

Demonstrates the primary swimming strokes--dog paddle, beginner's crawl, and finning.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-392.

**Swimming. Part 3: Advanced strokes.**

MP, USDA, 1939. 5 min, sd, b&w.  
Excerpted from the film, Learn to swim.

Demonstrates the crawl, breast, and overhand strokes, and the frog, scissors, and flutter kicks.



Rent from USDA film libraries.  
Buy from UWF. LC card FiE  
52-393.

**Swimming pool sanitation.**

FS, USPHS, 1953. 66 fr, color  
with disc: 16 in, 33 1/3 rpm, 8  
min. Order no. F 133.

Shows some of the physical characteristics and operating procedures basic to swimming pool sanitation, including size considerations, recirculation of water, filter methods, dressing rooms, preparations for breakdowns, and maintenance of bath houses.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-989.

**Swimming through burning oil and through surf.**

MP, USCG, 1943. 10 min, sd, b&w.  
Order no. MCG 115-b.

Demonstrates how to jump from a ship into water on which there is burning oil, and how to swim through the flames.

Buy from UWF. LC card FiE 52-861.

**Swinging into step.**

MP, USA, 1945. 33 min, sd, b&w.  
Order no. TF 8-2083.

Shows how amputees are rehabilitated physically and psychologically for a return to normal living.

Borrow from USA, USAF, or USAFIP. Buy from UWF. LC card FiE 52-1529.

**Switchboard cable installation.**

FS, USA, 1952. 65 fr, b&w. Order  
no. FS 11-116.

Shows how to install switchboard cables, including cable running, tagging, sewing, butting, stripping, waxing, forming, wire skinning, terminating, and soldering.

Buy from UWF. LC card FiE 55-500.

**Switchboard SB-22/PT, installation and operation.**

FS, USA, 1954. 58 fr, b&w. Order  
no. FS 11-117.

Explains the merits of the Army switchboard SB-22/PT, and

shows its installation, operation, and maintenance.

Borrow from USA. LC card FiE 55-539.

**Sympathetic nerve block.**

MP, USA, 1948. 15 min, sd, color.  
Order no. PMF 5090.

Shows the techniques used to accomplish sympathetic nerve blocks in four types of cases. Demonstrates a lumbar sympathetic nerve block for diagnostic purposes on a patient complaining of causalgia in his left leg.

Borrow from USAFIP. LC card FiE 54-47.

**Synchro systems, part 1.**

MP, USN, 1944. 15 min, sd, b&w.  
(Radio technician training series)

Order no. MN 1540-w.

Explains how a synchro generator controls the movement of a synchro motor; and shows the electrical transfer of angular motion between two remote points.

Buy from UWF. LC card FiE 52-924.

**Synchro systems, part 1.**

FS, USN, 1944. 36 fr, b&w. (Radio technician training series) Order

no. SN 1540-aw.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-925.

**Synchro systems, part 2.**

MP, USN, 1944. 13 min, sd, b&w.  
(Radio technician training series)

Order no N 1540-x.

Shows the operation of a control transformer and a differential synchro generator; explains how to use a control transformer as a receiver, and a differential synchro generator when putting corrections into the signal of the circuit.

Buy from UWF. LC card FiE 52-926.

**Synchro systems, part 2.**

FS, USN, 1944. 24 fr, b&w. (Radio technician training series) Order

no. SN 1540-ax.



Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-927.

**Synovectomy of the knee for rheumatoid arthritis.**

MP, USA, 1951. 10 min, sd, color. Order no. PMF 5193.

Shows the preoperative, operative, and postoperative phases of a case of rheumatoid arthritis with involvement of the right knee. For medical personnel.

Borrow from USAFIP. LC card FIE 53-18.

**Synthetic rubber.**

MP, USBM, 1944. 21 min, sd, b&w. Order no. 710.

Reviews laboratory research for synthetic rubber; shows operations in a synthetic rubber plant, including the latex still, coagulator, washer, dryer, and bailing of crumb rubber; explains the objectives of scientists in perfecting synthetic rubber.

Borrow from USBM. Cleared for TV. LC card FIE 52-638.

**Syphilis.**

MP, USPHS, 1941. 30 min, sd, color.

Covers the diagnosis of early syphilis, latent syphilis, and late syphilis. For medical personnel.

Borrow from USPHS. LC card FIE 54-19.

**Systemic infections.**

FS, USPHS, 1951. 60 double fr, color. (The histopathology of human fungus infections series) Order no F 13-d.

Depicts morphological characteristics of tissue phases of fungi with particular reference to actinomycosis, aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, cryptococcosis, histoplasmosis, and nocardiosis. Consists of pictures which may be used for making 2x2-inch slides.

Borrow from USPHS-CDC. LC card FIE 53-976.

**TT-47/UG teletypewriter: General principles and operation.**

MP, USN, 1953. 16 min, sd, b&w. Order no. MN 767-a.

Explains how teletypewriters are used in the Navy's communications system and demonstrates for the operator the basic principles of operation, use of the various function keys, and correct procedures for setting up messages and securing the machine.

Buy from UWF. LC card FIE 54-285.

**TT-47 UG teletypewriter: Installation and performance tests.**

MP, USN, 1953. 14 min, sd, b&w. Order no. FN 7467-b.

Demonstrates the step-by-step procedure for unpacking, installation, and assembly of the machine. Designed for personnel who will install the machine rather than the operators.

Buy from UWF. LC card FIE 54-286.

**TT-47/UG teletypewriter: Preventive maintenance.**

MP, USN, 1953. 6 min, sd, b&w. Order no. FN 7467-c.

Explains the importance of frequent checks and stresses the preventive maintenance technique which should be done by the operator rather than maintenance personnel. Shows cleaning, oiling, and minor adjusting of the machine.

Buy from UWF. LC card FIE 54-287.

**TVA.**

MP, TVA, 1941. 21 min, sd, b&w.

Shows the work and accomplishments of TVA; the construction of multipurpose dams operating to help control floods, aid navigation, and produce power; and other activities in the Tennessee Valley, including agricultural work, rural electrification, research, and reforestation.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FIE 52-1640.



**TVA builds Johnsonville steam plant.**

MP, TVA, 1954. 21 min, sd, color. A semitechnical subject showing how TVA's Johnsonville steam plant, with six 125,000-kw capability generating units was constructed on the east shore of Kentucky Lake 12 miles west of Waverly, Tennessee.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. LC card FiE 55-40.

**TVA town.**

MP, USA-CAD, 1951. 26 min, sd, b&w.

Portrays the growth of Decatur, Alabama into an industrial city through assistance provided by the Tennessee Valley Authority. Prepared for use in occupied areas.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2112.

**Tachometers and synchronism indicators.**

FS, USAF, 1942. 51 fr, b&w. Order no. FS 1-26.

Operating principles, inspection, and maintenance procedures for chronometric and generator voltmeter tachometers and engine synchronization indicator on multiple-engine aircraft.

Buy from UWF. LC card FiE 52-1924.

**Tailor-made sheep.**

MP, USDA, 1951. 10 min, sd, b&w. Explains the work done at the U.S. Dept. of Agriculture Sheep Experiment Station, Du Bois, Idaho. Shows two new breeds of sheep--the Columbia and the Targhee--which are well adapted to the American range, and describes their important characteristics.

Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2156.

**Take a letter, please.**

MP, USN, 1943. 22 min, sd, b&w. Order no. MN 1562-c.

Burlesques common faults of dictators identified as scatterbrain,

speed demon, dreamer, mumble-mush, and Simon Legree; shows proper methods of dictating letters.

Buy from UWF. LC card FiE 52-74.

**Take 'er down.**

MP, USN, 1954. 13 min, sd, b&w. Order no. MN 9294.

History of the development of submarines in the U.S. Navy from 1900 to 1954. Includes scenes of the USS Nautilus, the first nuclear-powered vessel.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-403.

**Take-offs and landings. Part 1: The take-off.**

MP, USAF, 1943. 25 min, sd, b&w. Order no. TF 1-3305.

Covers ground check before take-off, engine-starting procedure, taxiing, take-off, climbing, and level flight using the Air Forces BT-13A plane.

Borrow from USCAA film libraries. LC card FiE 53-399.

**Take-offs and landings. Part 2: The landing.**

MP, USAF, 1944. 28 min, sd, b&w. Order no. TF 1-3319.

Demonstrates proper procedure for landing a BT-13 with the power off; analyzes common errors in landing; explains power landings; and demonstrates proper landing procedures with engine throttled back.

Borrow from USCAA film libraries. LC card FiE 53-395.

**Take time for tomorrow.**

MP, USA, 1949. 14 min, sd, b&w. Order no. OF 55.

Explains the educational opportunities available to military personnel; and stresses the advantages of soldiers continuing their education while in service.

Borrow from USA, USAF, or USN. Buy from UWF. Cleared for TV. LC card FiE 52-1722.

**Taking a blood pressure.**

MP, USN, 1943. 8 min, sd, b&w. (Care of the sick and injured by



hospital corpsmen series) Order no. MN 1511-g.

Shows how to locate an artery, read pressure on a gauge, and operate the necessary equipment. Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-962.

**Taking care of diabetes series, nos. 1-11.**

What is diabetes?

Eating for good health

Insulin and its use

Planning good meals

Insulin reaction

Buying good food

Tests in diabetes

Cooking good meals

Diabetic coma

Care of the feet

Selecting meals for all occasions

**Taking medicine.**

MP, USN, 1945. 6 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-a.

Animated cartoon stressing the reasons for taking medicine to prevent malaria.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1168.

**Tale of two cities.**

MP, USA, 1946. 12 min, sd, b&w. Order no. ANSM 74.

A documentary record of the effects of the atomic bombing of Hiroshima and Nagasaki.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 52-1415.

**Tanglewood, music school and music festival.**

MP, USIA, 1950. 21 min, sd, b&w. The Berkshire music school and festival at Tanglewood, Mass.; scenes of students studying at the school, performing, and listening to others, including the Boston Symphony Orchestra under the direction of Serge Koussevitsky. Prepared for overseas use.

Buy from UWF. LC card FiE 52-4390.

**The tank-armored infantry team.**

MP, USA, 1949. 26 min, sd, b&w. Order no. TF 17-1515.

Explains the functions and operations of a tank-armored infantry team in an armored division.

Borrow from USA. LC card FiE 55-138.

**Tanks.**

MP, USOWI, 1942. 10 min, sd, b&w.

Shows the manufacture and performance of the M-3 Army tank. Buy from UWF. LC card FiE 52-760.

**Target for today.**

MP, USAF, 1944. 93 min, sd, b&w. Order no. SFP 189 and/or TF 1-3384.

Explains the effectiveness of strategic bombing upon German industry and shows the particular purpose, plan, and execution of a daylight precision bombing mission.

Borrow from USA or USAF. LC card FiE 52-1457.

**Target invisible.**

MP, USAF, 1945. 8 min, sd, b&w. Order no. SFP 199.

Illustrates the use of radar on a bombing mission over Japan, and explains the work of the radar operator in the bomber's crew.

Borrow from USA or USAF. Withdrawn from sale in 1951. LC card FiE 52-1458.

**Target Nevada.**

MP, USAF, 1953. 14 min, sd, color. Order no. SFP 281.

Shows pictures of atomic explosions in Nevada and explains the part played by the U.S. Air Force in the continental test program of the Atomic Energy Commission and the nuclear weapons project of the Dept. of Defense including the gathering of photographic and electronic data, cloud tracking and cloud sampling, and testing the effects of the flash upon the eyes of Air Force crew members.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 53-124.



**Target Tokyo.**

MP, USAF, 1948. 22 min, sd, b&w.  
Order no. SFP 153.

Documentary record of a B-29 crew from early training in Grand Island, Neb., to a bombing mission over Tokyo, including the trip, the bombing operation, and the return flight to Saipan.

Borrow from USAF. Withdrawn from sale in 1951. LC card FiE 52-1459.

**Task Force Frigid.**

MP, USA, 1948. 37 min, sd, b&w.  
Order no. MF 1360.

Film record of a military exercise held near Ladd Field, Alaska, to test the operating efficiency of men and equipment in --60° temperatures.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1704.

**Task Force Frigid.**

MP, US Defense, 1948. 11 min, sd, b&w. Order no. AFSR 92. Short version of 37-minute film with same title. On same reel with film, V-2 rocket: Assembling and launching.

Personnel and equipment tests conducted in extremely cold weather. Prepared for use by U.S. Armed Forces personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1643.

**Task force frost.**

MP, USA, 1948. 25 min, sd, b&w.  
Order no. MF 1341.

Presents tests to determine the suitability and performance of standard and experimental equipment for arctic warfare under temperatures ranging from 0° F to near freezing.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1703.

**The Taurus-Gulf Trade incident.**

MP, USN, 1943. 3 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-p.

Collision of the Gulf Trade and the Taurus; and the causes therefor.

Buy from UWF. LC card FiE 52-946.

**Taxing collisions.**

MP, USN, 1946. 5 min, sd, b&w. (Flight safety series) Order no. MN 4353-h.

A cartoon approach to the problem of avoiding taxing accidents. Borrow from USCAA film libraries. LC card FiE 54-330.

**Taxing in heavy weather.**

MP, USN, 1943. 13 min, sd, b&w. (Fundamentals of patrol plane handling series) Order no. MN 1338-e.

Demonstrates the problems of taxing in a crosswind, upwind, and tailwind.

Buy from UWF. LC card FiE 52-1004.

**Taxing in moderate winds.**

MP, USN, 1943. 24 min, sd, b&w. (Fundamentals of patrol plane handling series) Order no. MN 1338-d.

Demonstrates the basic principles in taxing on water up wind, down wind, at various angles, and in making turns.

Buy from UWF. LC card FiE 52-1003.

**Teaching crutch walking.**

MP, USOE, 1945. 13 min, sd, b&w. (Nursing series) Order no. OE 422. With instructor's manual.

How to teach the patient to walk in a walker; to learn the various methods of crutch walking--two-point, four-point, and swinging; to sit, rise, and climb stairs; and the safety factors involved in crutch walking.

Buy from UWF. LC card FiE 52-411.

**Teaching crutch walking.**

FS, USOE, 1945. 48 fr, b&w. (Nursing series) Order no. OE 422-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2924.



**Teamed for defense.**

See Teamed for peace.

**Teamed for peace.**

MP, US Defense, 1953. 14 min, sd, b&w. Order no. MN 9220. Also known as Teamed for defense.

Shows joint planning, maneuvers, and equipment of the U.S. Armed Forces.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 53-610.

**Teamwork.**

MP, USMC, 1951. 6 min, sd, b&w. Order no. MH 6760.

Explains the importance of sports in Marine Corps training.

Borrow from USMC. Cleared for TV. LC card FiE 54-404.

**Teamwork and you.**

MP, US Defense, 1950. 10 min, sd, b&w. Order no. AFIF 6.

Emphasizes the importance of teamwork, both personally and organizationally, among members of the armed forces.

Borrow from USA or USAF. Cleared for TV. LC card FiE 52-2030.

**Techniques and sites for subcutaneous and intramuscular injections.**

FS, USA, 1954. 102 fr, b&w, with disc: 16 in, 33 1/3 rpm, 31 min. Order no. SFS 8-198.

Illustrates approved medical procedures for administering subcutaneous and intramuscular injections, various types of hypodermic equipment and their application, and the necessity for following prescribed procedures for the safety and health of patients.

Buy from UWF. LC card FiE 55-502.

**A technique for amalgam restoration.**

MP, USN, 1944. 30 min, si, color. (U.S. Navy. Dental Corps. Operative series) Order no. MN 2149. Demonstrates restoration technique on a non-vital tooth, uti-

lizing platinum screw post retention; shows a tailored and tied matrix, condensation of amalgam, and final polishing. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1061.

**Technique of BCG vaccination.**

MP, USPHS, 1951. 40 min, sd, color. Order no. M 14.

Shows how to set up a BCG clinic; administer the tuberculin test; read and interpret tuberculin tests; and administer the BCG (Bacille Calmette Guérin) vaccine intradermally and by the multiple puncture method.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-210.

**The technique of diving.**

MP, USN, 1944. 24 min, sd, b&w. (Deep sea diving series) Order no. MN 105-c.

Points out the important factors of dress tenders, telephone line, descending line, and knowledge of the conditions of the dive. Demonstrates the dressing procedure, and the method of descending, depending on water temperature, visibility, and currents.

Buy from UWF. LC card FiE 52-1039.

**The technique of hand sending.**

MP, USN, 1944. 9 min, sd, b&w. (Radio operator training series) Order no. MN 2621-b.

Identifies parts of the transmitter; explains elements of the Morse code, timing, and the importance of correct position and operation.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1101.

**Technique of instruction in the Army. Part I: Foundations.**

MP, USA, 1945. 15 min, sd, b&w. Order no. MF 1137.

Demonstrates how to approach a trainee's mind through the senses, and how to create "two-way traffic" between instructor and pupil by the use of questions and answers.



Borrow from USA. Buy from UWF. LC card FIE 52-1605.

**Technique of instruction in the Army. Part 2: Structures.**

MP, USA, 1945. 22 min, sd, b&w. Order no. MF 1138.

Gives examples of good and faulty planning of matter, manner, and method, and shows how "prepared" improvisation can help to keep a class alert and interested.

Borrow from USA. Buy from UWF. LC card FIE 52-1606.

**Technique of instruction in the Army. Part 3: Methods.**

MP, USA, 1945. 25 min, sd, b&w. Order no. MF 1139.

Presents various methods by which instruction may be imparted to troops--lecture, lesson, discussion, and combination of all three. Shows how subject, class, and circumstances determine choice of methods.

Borrow from USA. Buy from UWF. LC card FIE 52-1607.

**Technique of open amputation.**

MP, USA, 1946. 11 min, sd, color. Order no. PMF 5033.

Demonstrates the procedure on a below-knee open-amputation case, and the revision and final plastic repair six weeks later. For medical personnel.

Borrow from USAFIP. LC card FIE 52-2228.

**Technique of tantalum cranioplasty.**

MP, USA, 1948. 40 min, sd, color. Order no. PMF 5097.

Points out typical problems in the cosmetic correction of skull defects by means of tantalum cranioplasty. Demonstrates the technique in the formation and insertion of tantalum plates. For medical personnel.

Borrow from USAFIP. LC card FIE 53-79.

**Technique of using smoke.**

MP, USA, 1949. 19 min, sd, b&w. Order no. TF 3-1496.

Shows the various principles which apply to the tactical use of smoke and situations where smoke can be used advantageously.

Borrow from USA. Cleared for TV. LC card FIE 55-185.

**Techniques of group chest X-ray services.**

MP, USPHS, 1946. 20 min, sd, b&w.

Explains the administration and operation of a miniature-film, mass-radiography program. For administrative and technical personnel.

Borrow from USPHS. Buy from UWF. LC card FIE 53-178.

**Tehuantepec.**

MP, USOIAA, 1943. 10 min, sd, color.

A tourist view of the village of Tehuantepec in Mexico.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-696.

**The telephone and the farmer.**

MP, USDA, 1954. 32 min, sd, color.

Shows how the townspeople of a rural community formed a co-operative, sought financial assistance through the telephone loan program of the Rural Electrification Administration, succeeded in obtaining the loan, and established a modern telephone service.

Withdrawn from sale in 1953.

Rent from USDA film libraries.

Cleared for TV. LC card FIE 52-2167.

**Temperature, pulse, and respiration.**

MP, USN, 1943. 15 min, sd, b&w. (Care of the sick and injured by hospital corpsmen series) Order no. MN 1511-i.

Demonstrates how to take temperature, pulse, and respiration. Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-964.

**Ten commandments for health series.**

Cleaning mess gear  
Drinking water



First aid  
 Native food  
 Personal cleanliness  
 Taking medicine  
 Use your head

**Ten-eighty, a rat poison for professional use.**

FS, USPHS, 1950. 73 fr, b&w with disc: 16 in, 33 1/3 rpm, 15 min. Order no. 5-124.

Explains the importance of 1080 (sodium fluoroacetate) as a rat poison; and its properties, preparation, and use. Restricted to public health and pest control personnel.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-940.

**Ten thousand fires.**

MP, TVA, 1942. 20 min, sd, color.

Explains the causes of forest fires, shows the damage resulting from such fires, and stresses the need for forest fire prevention.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FiE 52-1638.

**Tension testing.**

MP, USOE, 1944. 21 min, sd, b&w. (Engineering series) Order no. OE 348. With instructor's manual.

How a hydraulic tension testing machine operates; how to prepare the machine and a specimen for a test; and conduct the test to determine the specimen's elastic limit, yield point, and ultimate strength.

Buy from UWF. LC card FiE 52-219.

**Tension testing.**

FS, USOE, 1944. 45 fr, b&w. (Engineering series) Order no. 348-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2657.

**Terracing in the Northeast.**

MP, USDA, 1939. 11 min, sd, b&w.

Shows the various steps in building terraces, including fitting the terrace system to the whole farm plan, establishing channels and outlets for excess water, laying out terrace lines on the contour, and performing various machine operations.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-468.

**Teschen disease.**

MP, USDA, 1953. 13 min, sd, b&w.

Shows characteristic symptoms of Teschen disease, a contagious virus disease attacking the brain and nervous system of swine, from its early manifestations through convulsions and final paralysis. Photographed by the Robert Koch Institute, Berlin, Germany. For doctors and students of veterinary medicine.

Rent from USDA film libraries. LC card FiE 53-554.

**Test.**

FS, USCG, 1944. 44 fr, b&w. (Piloting series) Order no. SCG 136-m.

A review quiz of 20 questions based upon the material presented in the 12 preceding filmstrips in this series.

Buy from UWF. LC card FiE 52-831.

**Testing and individual therapy for the aphasic patient.**

MP, USVA, 1950. 28 min, sd, color. (Aphasia series, no. 2)

Explains the testing and rehabilitation procedures that are used in Veterans Administration hospitals for aphasics of different types; demonstrates various methods of psychological and personality testing; and shows patients undergoing therapy for motor, sensory, and formulation aphasia. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FiE 53-114.

**Tests for virulence of C. diphtheriae in animals.**

MP, USPHS, 1950. 13 min, sd, b&w. (Laboratory diagnosis of



diphtheria series, no. 3) Order no. 4-088.1. With utilization guide.

Explains laboratory procedures for preparing pure broth cultures of Corynebacterium diphtheriae and injecting into rabbits, guinea pigs, and chicks to determine their virulence. Shows methods of interpreting the results of such tests.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2247.

**Tests in diabetes.**

FS, USPHS, 1950. 38 fr; color with disc: 16 in, 33 1/3 rpm, 6 min. (Taking care of diabetes series, no. 7) Order no. 5-147.

Explains the reasons for urine and blood sugar tests for diabetes and the use of both types of tests. Borrow from USPHS-CDC. Buy from HPL. LC card FIE 53-955.

**Texas and its natural resources.** MP, USBM, 1950. 43 min, sd, color. Order no. 216.

Covers the mineral resources, oil production, agriculture, cattle raising, recreational facilities, and scenic views of Texas.

Borrow from USBM. Cleared for TV. LC card FIE 52-644.

**That men may fight.**

MP, USA, 1952. 14 min, sd, b&w. Order no. MF 7923.

Portrays research activities of the U.S. Army in the fields of nutrition, health, clothing, and weapons; and emphasizes civilian application of such research.

Borrow from USA or USAFIP. Cleared for TV. LC card FIE 53-240.

**That men may fly.**

MP, USAF, 1949. 23 min, sd, b&w. Order no. SFP 236.

Research activities and accomplishments of the Office of the Air Surgeon, the School of Aviation Medicine, and the Aero Medical Laboratory.

Borrow from USAF or USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-1434.

**That others may live.**

MP, USAF, 1949. 45 min, sd, b&w. Order no. TF 1-4619.

Story of the Air Rescue Service, its mission, equipment, and operations in saving lives.

Borrow from USAF. Cleared for TV. LC card FIE 54-396.

**Theatres of war series. Pacific area.**

Carolines, Marianas, Bonin Islands

Marshall, Gilbert, and Ellice Islands

Melanesia

New Guinea

Philippine Islands

Survival in the South Pacific

**Theatres of war series. Pacific area; Netherlands East Indies.**

Borneo and Celebes

Java

Lesser Sunda Islands

Moluccas

Sumatra

**Then it happened.**

MP, USDA, 1948. 11 min, sd, color.

A documentary record of the Maine forest fire of 1947. Shows how the fire started, spread, and destroyed farms, villages, and forests before it was brought under control. Emphasizes the need for forest fire prevention and fire control measures.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-609.

**Theory and principles of operation, automatic shifting unit.**

MP, USA, 1943. 15 min, sd, b&w.

(Hydramatic transmission series, no. 2) Order no. TF 9-1002. Shows a chart analysis of different oil pressures in a hydraulic control system of an engine and the action of a pump, action of different parts of an automatic shifting system and the path of oil, and transmission action at various speeds.

Borrow from USA. Buy from UWF. LC card FIE 52-1532.



**Theory and principles of operation, fluid coupling and gear train.**

MP, USA, 1943. 26 min, sd, b&w. (Hydramatic transmission series, no. 1) Order no. TF 9-1001. Superseded by 1954 film with the title, The fluid coupling, principles of operation.

Explains the principle of operation and use of fluid coupling in combat vehicles; and the use of different gears, shafts, ratios, and clutch pressure plates.

Borrow from USA. Buy from UWF. LC card FiE 52-1531.

**Theory of simplex and phantom circuits. Part 1: Balanced conditions.**

MP, USA, 1944. 14 min, sd, b&w. Order no. TF 11-2062.

Covers the action of currents in simplex and phantom circuits under balanced conditions, explains in animation the principles of the repeating coil, and shows how these principles are applied to obtain extra channels of communication over existing lines.

Borrow from USA or USAF. LC card FiE 55-140.

**Theory of simplex and phantom circuits. Part 2: Unbalanced conditions.**

MP, USA, 1944. 19 min, sd, b&w. Order no. TF 11-2063.

Shows action of currents in simplex and phantom circuits under unbalanced conditions, including a "short", "open", and unbalanced resistances in the simplex circuit and a "short," "open," and "cross" on the phantom circuit. Explains ways to utilize equipment despite interference.

Borrow from USA or USAF. LC card FiE 55-113.

**Therapeutic exercise: Introduction.**

MP, USA, 1947. 17 min, sd, b&w. Order no. PMF 5034.

An Army surgeon talks to his staff about pertinent problems in the use of therapeutic exercise--nature of the injury, stage of healing of the patient, precautions

to be observed; and illustrates appropriate exercises to be used with patients with nerve, spinal cord, brain, chest, etc. injuries. For professional personnel.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1724.

**Therapeutic exercise: Orthopedics.**

MP, USA, 1947. 28 min, sd, b&w. Order no. PMF 5051.

Demonstrates therapeutic exercises suitable in the management of orthopedic cases.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1726.

**Therapeutic exercise: Peripheral nerve injuries.**

MP, USA, 1947. 17 min, sd, b&w. Order no. PMF 5053.

Shows physical and electrodiagnostic tests used to determine the extent of injuries to the peripheral nerve, and remedial exercises used in the treatment of such injuries. For medical personnel.

Borrow from USAFIP. LC card FiE 53-73.

**Therapeutic exercise: Tendon transplants.**

MP, USA, 1947. 7 min, sd, b&w. Order no. PMF 5054.

Demonstrates therapeutic exercises used with patients with transplanted tendons. For medical personnel.

Borrow from USAFIP. LC card FiE 53-72.

**Therapeutic exercise: Thoracic surgery.**

MP, USA, 1947. 28 min, sd, b&w. Order no. PMF 5056.

Covers physical examination of patients; determination of specific remedial activity; characteristic deformities; preoperative exercises; general aspects of surgery; postoperative treatment and therapy. For medical personnel.

Borrow from USA or USAFIP. Buy from UWF. LC card FiE 52-1729.



**Therapeutic uses of heat and cold. Part 1: Administering hot applications.**

MP, USOE, 1945. 21 min, sd, b&w. (Nursing series) Order no. OE 408. With instructor's manual.

Body reactions to heat; use of heat in the alleviation of pain; how to apply hot water bottles, electric pads, chemical pads, and paraffin bath; use hot soak, compresses, infra-red lamp, and shortwave diathermy.

Buy from UWF. LC card FiE 52-336.

**Therapeutic uses of heat and cold. Part 1: Administering hot applications.**

FS, USOE, 1945. 39 fr, b&w. (Nursing series) Order no. OE 408-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2784.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications.**

MP, USOE, 1945. 22 min, sd, b&w. (Nursing series) Order no. OE 409. With instructor's manual.

Body responses to cold; therapeutic uses of cold; how to administer contrast baths and ice bags; apply ice packs as anesthesia; and use refrigerating blankets and cold chamber.

Buy from UWF. LC card FiE 52-337.

**Therapeutic uses of heat and cold. Part 2: Administering cold applications.**

FS, USOE, 1945. 46 fr, b&w. (Nursing series) Order no. OE 409-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2783.

**Thermometer.**

FS, USAF, 1942. 53 fr, b&w. Order no. FS 1-51.

Describes the use, operation, and maintenance of various types of aircraft thermometers.

Buy from UWF. LC card FiE 52-1923.

**They need to know.**

MP, USSSA, 1954. 14 min, sd, b&w.

Through a dramatized story, emphasizes the importance to wives and children of knowing of the survivors' insurance benefits available to them, upon the death of the family head, under the 1954 social security law.

Borrow from USSSA. Buy from UWF. LC card FiE 54-372.

**They're in the Army now.**

MP, US Defense, 1948. 8 min, sd, b&w. Order no. AFSR 100. On same reel with film, The Truman story.

Recruiting and inducting procedures used by the U.S. Army.

Buy from UWF. LC card FiE 53-314.

**Think it over.**

MP, USAF, 1948. 12 min, sd, b&w. Order no. SFP 222.

Presents the advantages of the peace time Air Force and of careers in the Air Force.

Borrow from USAF. Cleared for TV. LC card FiE 55-104.

**The third pillar.**

MP, USAF, 1948. 19 min, sd, b&w. Order no. SFP 229.

A review of the work and achievements during World War II of the engineers of the U.S. Army Air Forces.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1429.

**32nd Infantry Division.**

MP, USA, 1954. 18 min, sd, b&w. Order no. MF 130-7930.

Traces the history of the U.S. Army's 32nd Infantry Division through the Civil War, Spanish American War, Mexican Border campaign, World War I and World War II. Highlights its action at Buna, Saidor, Anitape, Leyte,



Luzon, and the occupation in Japan.

Buy from UWF. Cleared for TV. LC card FiE 54-405.

**36th Infantry Division.**

MP, USA, 1953. 21 min, sd, b&w. Order no. MF 130-7931.

Historical record of the 36th Infantry Division during World Wars I and II, particularly its part in the battles at Salerno, San Pietro, Cassino, Anzio, and in Germany.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-630.

**This is aluminum.**

MP, USBM, 1947. 29 min, sd, b&w. Order no. 224.

Shows many phases of aluminum, including its abundance, mining operations, processing of bauxite to obtain metallic aluminum, molding, casting, alloying, rolling, annealing, testing of fabricated parts, and manufacturing aluminum articles.

Borrow from USBM. Cleared for TV. LC card FiE 52-652.

**This is civil defense.**

MP, USFCDA, 1952. 3 min, sd, b&w; short version, 1 min.

Shows by animation the part played by individuals in civil defense and the relationship between federal, state, and local governments in the civil defense program. Prepared for television use.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FiE 53-619.

**This is Ecuador.**

MP, USOIAA, 1942. 18 min, sd, b&w.

Shows the geographic regions, natural resources, industries, cities, educational and religious institutions, and hemispheric importance of Ecuador.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-695.

**This is Guadalcanal.**

MP, USN, 1943. 20 min, sd, b&w. Order no. MN 2583.

Documentary story of the occupation and defense of Guadalcanal by the U.S. Marines in World War II.

Borrow from USN. LC card FiE 55-88.

**This is Lakehurst.**

MP, US Defense, 1952. 17 min, sd, b&w. Order no. RTAF 144.

Pictorial tour of the U.S. Naval Air Station at Lakehurst, N. J.

Borrow from USA, USAF or USN. Buy from UWF. Cleared for TV. LC card FiE 53-123.

**This is magnesium.**

MP, USBM, 1952. 13 min, sd, b&w. Order no. 243.

Shows steps in the production of magnesium, uses of magnesium in industry, and the development of new magnesium alloys.

Borrow from USBM. Cleared for TV. LC card FiE 52-671.

**This is the code: Absence of offenses.**

MP, USN, 1953. 10 min, sd, b&w. Order no. MN 7855-a.

Discusses articles of the Uniform code of military justice of the U.S. Armed Forces concerned with various forms of unauthorized absence.

Buy from UWF. LC card FiE 54-337.

**This is the code: Conduct before the enemy.**

MP, USN, 1953. 11 min, sd, b&w. Order no. MN 7855-c.

Discusses articles of the Uniform code of military justice concerned with conduct before the enemy, treatment of prisoners, conduct as a prisoner, proper handling of captured or abandoned property, spies, etc.

Buy from UWF. LC card FiE 54-338.

**This is the code; Crimes against persons and property.**

MP, USN, 1953. 18 min, sd, b&w. Order no. MN 7855-d.



Explains the provisions of the Uniform code of military justice relating to crimes against the person and those against property. Closes with the reminder that wearing the uniform imposes the obligation for a serviceman to uphold his country's honor and reputation as well as his own. Buy from UWF. LC card FiE 54-339.

**This is the code: Disrespect, disobedience, and improper performance of duty.**

MP, USN, 1953. 16 min, sd, b&w. Order no. MN 7855-b. Discusses the provisions of the Uniform code of military justice concerned with disrespect, disobedience, and improper performance of duty. Buy from UWF. LC card FiE 54-340.

**This is the code: General criminal articles.**

MP, USN, 1953. 8 min, sd, b&w. Order no. MN 7855-f. Discusses general provisions of the Uniform code of military justice such as conspiracy, accessory after the fact, contempt toward officials, conduct unbecoming an officer and a gentleman, improper hazarding of a vessel, violating local traffic laws, and tampering with the mails. Concludes by summarizing various articles in the Code. Buy from UWF. LC card FiE 54-341.

**This is the code: Procedural articles.**

MP, USN, 1953. 15 min, sd, b&w. Order no. MN 7855-e. Articles discussed include those dealing with restraint of persons charged with offenses, unlawful detention, authority of civil authorities, confinement with enemy prisoners, resisting apprehension, breach of arrest, escape, releasing a prisoner without authority, compulsory self-incrimination, right of a commanding officer to punish offenders, types of courts-martial,

membership of various courts, perjury, cruel and unusual punishment. Buy from UWF. LC card FiE 54-342.

**This is West Point.**

MP, USA, 1951. 28 min, sd, b&w. Order no. MF 7726. Describes the origin and purpose of the U.S. Military Academy, and presents a picture of the life of a cadet from the time he enters the Academy at West Point until he graduates. Borrow from USA. Buy from UWF Cleared for TV. LC card FiE 52-1706.

**This is worth working for.**

MP, USVA, 1946. 28 min, sd, b&w. Explains the program and services of the Veterans Administration. Produced for the orientation of Veterans Administration employees. Borrow from USVA. LC card FiE 54-331.

**This is your Navy.**

MP, USN, 1951. 12 min, sd, b&w. Order no. MN 6775-a. Portrays the functions and activities of the U.S. Navy. Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1278.

**This land is mine.**

MP, USA-CAD, 1951. 20 min, sd, b&w. Discusses the land reforms which have been made in Japan since the end of World War II, particularly the decrease in farm tenancy. Prepared for use in occupied areas, particularly in Japan. Buy from UWF. LC card FiE 52-2109.

**Thomas Jefferson, the farmer.**

FS, USDA, 1944. 63 fr, single or double, b&w. Order no. 653. With lecture notes. Explains how Jefferson promoted agriculture in the Nation's economy; shows his search for improved methods, labor-saving implements and machines, better



crops and livestock; and explains his views on agricultural education, experimentation, and cooperative action.

Buy from PhotoLab. LC card FIE 52-2825.

**Thoracic surgery series, nos. 1-3**

Hemothorax with a consideration for specific remedial breathing exercises

Foreign bodies in the lung and mediastinum

Foreign bodies in the pericardium and heart

**Thoracic surgery series**

Decortication in the treatment of tuberculous pleuritis

Excision tuberculoma, right lower lobe, and thoracolumbar sympathectomy

Lobectomy, right upper and middle lobes, in the treatment of pulmonary tuberculosis

Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis

**Thoracoplasty, 1st stage and 2nd stage, in the treatment of pulmonary tuberculosis.**

MP, USA, 1951. 23 min, sd, color. (Thoracic surgery series) Order no. PMF 5208.

Demonstrates thoracoplasty in the first and second stage in the treatment of pulmonary tuberculosis. For medical personnel.

Borrow from USAFIP. LC card FIE 53-15.

**Thou shalt have faith.**

MP, USA, 1951. 7 min, sd, b&w. Order no. MF 7806.

An Army field band choral group sings "Ave Maria" and "The Lord Is My Shepherd". Religious paintings are used as visual accompaniment.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1708.

**The threat of the cattle fever tick.**

MP, USDA, 1954. 15 min, sd, color.

Presents the danger of the cattle fever tick to American cattle, a brief history of the 30-year campaign waged to eradicate tick fever in Southern cattle, and the significance of precautions taken to see that the tick does not gain another foothold in the U.S. Borrow from USDA. Cleared for TV. LC card FIE 54-406.

**Three cities.**

MP, USECA; 1952. 30 min, sd, b&w.

Shows the post-war conditions in three European cities--Naoussa, Trieste, and Berlin--the lives of the people in these cities, their opposition to communism, and the assistance provided to them by the Economic Cooperation Administration.

Borrow from EFLA. Cleared for TV. LC card FIE 53-592.

**Three cities.**

MP, USOWI, 1944. 11 min, sd, b&w.

How workers in three American cities, solved wartime living problems in 1944.

Buy from UWF. LC card FIE 52-761.

**Three counties against syphilis.**

MP, USPHS, 1939. 19 min, sd, b&w.

Portrays a demonstration project in southeastern Georgia, involving Federal, State, and County health services, to locate cases of syphilis and provide the necessary treatment.

Borrow from USPHS. Buy from UWF. LC card FIE 53-179.

**Three-phase motor. Part 1: Preparing to rewind.**

MP, USOE, 1945. 17 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 4) Order no. OE 395. With instructor's manual.

How to interpret and record nameplate data of a three-phase motor; identify the line and finish leads; remove coils and determine coil span; use a coil



winding machine; and end-tape machine wound coils.

Buy from UWF. LC card FiE 52-184.

**Three-phase motor. Part 1: Preparing to rewind.**

FS, USOE, 1945. 35 fr, b&w. (Electrical work series. Motor maintenance and repair, no. 4) Order no. OE 395-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2665.

**Three-phase motor. Part 2: Rewinding.**

MP, USOE, 1945. 17 min, sd, b&w. (Electrical work series. Motor maintenance and repair, no. 5) Order no. OE 396 With instructor's manual.

How to insert mush coils and separators or "willies"; fold, trim, and wedge slot insulation around windings; insert phase insulation; and make a delta connection.

Buy from UWF. LC card FiE 52-185.

**Three-phase motor. Part 2: Rewinding.**

FS, USOE, 1945. 31 fr, b&w. (Electrical work series. Motor maintenance and repair, no. 5) Order no. OE 396-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2666.

**Three-wire service entrance.**

MP, USOE, 1945. 24 min, sd, b&w. (Electrical work series. Wiring, no. 5) Order no. OE 374. With instructor's manual.

How to mount and connect an outdoor meter connection box; mount and connect a service control box; ground a three-wire service entrance installation; and install concentric service entrance cable.

Buy from UWF. LC card FiE 52-102.

**Three-wire service entrance.**

FS, USOE, 1945. 50 fr, b&w. (Electrical work series. Wiring, no. 5) Order no. OE 374-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2559.

**Thrufeed grinding a straight pin, part 1.**

MP, USOE, 1944. 29 min, sd, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 1) Order no. OE 85. With instructor's manual.

Principle of centerless grinding; basic elements of the centerless grinding machine; how to set up the machine and true the grinding and regulating wheels.

Buy from UWF. LC card FiE 52-8.

**Thrufeed grinding a straight pin, part 1.**

FS, USOE, 1944. 41 fr, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 1) Order no. OE 85-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2500.

**Thrufeed grinding a straight pin, part 2.**

MP, USOE, 1944. 28 min, sd, b&w. (Machine shop work series. Operations on the centerless grinding machine, no. 2) Order no. OE 86. With instructor's manual.

How to balance the grinding wheel; position the work for grinding; adjust the work guides; take a trial grind; eliminate taper in the grinding wheel; use a crown cam to dress the grinding wheel; and check the workpieces.

Buy from UWF. LC card FiE 52-1.

**Thrufeed grinding a straight pin, part 2.**

FS, USOE, 1944. 43 fr, b&w. (Machine shop work series. Opera-



tions on the centerless grinding machine, no. 2) Order no. OE 86-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2506.

#### **Thunder from the skies.**

MP, USAF, 1950. 14 min, sd, b&w. Order no. SFP 264.

How the U.S. Air Force provides close air support for ground forces in Korea. Includes combat scenes.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1433.

#### **Thunderstorms.**

MP, USN, 1943. 41 min, sd, b&w. (Aerology series) Order no. MN 119-c.

Explains the formation of thunderclouds, points out their identifying features, and discusses alternatives a pilot may follow when storms are encountered.

Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FiE 53-257.

#### **Tibial nerve anastomosis in the lower calf.**

MP, USA, 1949. 8 min, sd, color. Order no. PMF 5117.

Shows tibial nerve damage caused by a missile traversing the mid-calf region, leaving the plantar muscle paralyzed and the sole of the foot anesthetic. Demonstrates the technique of surgical repair, precautions taken, and physiotherapy. For medical personnel. Borrow from USAFIP. LC card FiE 53-37.

#### **El tifo.**

MP, USHIAA, 1947. 8 min, sd, color. Spanish version of motion picture with title, Kill the louse.

Explains measures that a community can use to get rid of the louse and thus eliminate typhus. Emphasizes the importance of cleanliness.

Buy from USHIAA. Cleared for TV. LC card FiE 52-515.

#### **La tifoidea.**

MP, USHIAA, 1947. 9 min, sd, color. Spanish version of motion picture with title, The typhoid carrier.

Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.

Buy from USHIAA. Cleared for TV. LC card FiE 52-495.

#### **Timber and totem poles.**

MP, USDA, 1949. 11 min, sd, color:

Shows the timber resources of the Tongass National Forest in southeast Alaska, and explains the meaning of the totem poles of the Indians.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-588.

#### **Timber growing today.**

MP, TVA, 1947. 15 min, sd, color.

Explains that sustained-yield management of forests is economically sound, and shows how woodland owners in the Tennessee Valley are beginning to adopt such practices.

Borrow from TVA. Buy from film laboratory; write TVA for instructions. Cleared for TV. LC card FiE 52-1639.

#### **Timber today & tomorrow.**

MP, USBIA, 1953. 20 min, sd, color.

Explains the importance and principles of sustained-yield forest management, and the need for forest cover to protect grazing lands, prevent erosion and floods, and furnish refuge for game and fish.

Buy from USBIA. LC card FiE 53-541.

#### **Time.**

MP, USN, 1943. 57 min, sd, b&w. (Navigation series) Order no. MN 83-e.

Explains the division of the globe into time zones; apparent, side-



real, and mean time; use of the chronometer; and three means of computation of time and its reckoning.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-977.

#### **Time.**

MP, USAF, 1942. 10 min, sd, b&w. (Celestial navigation series) Order no. TF 1-546.

Explains various time elements in celestial navigation which are used in solving practical exercises.

Buy from UWF. LC card FiE 52-1484.

#### **Time in the air.**

MP, USN, 1943. 13 min, sd, b&w. (Navigation series) Order no. MN 83-n.

Illustrates how to determine the error of the aircraft navigational watch and demonstrates its use in celestial navigation. Describes also the procedure for making observations of the sun preparatory to solving the astronomical triangle.

Borrow from USCAA film libraries. LC card FiE 54-279.

#### **Time out: Occupational therapy in tuberculosis.**

MP, USA, 1949. 26 min, sd, b&w. Order no. PMF 5116-a.

Shows the role of hospital personnel in the physical, mental, and social rehabilitation of patients with tuberculosis.

Borrow from USA or USAFIP. LC card FiE 54-55.

#### **Time pieces.**

FS, USCG, 1944. 36 fr, b&w. (Piloting series) Order no. SCG 136-f.

Shows how to use the chronometer in navigation; explains its delicacy; and shows how to wind this instrument.

Buy from UWF. LC card FiE 52-838.

#### **Tin from Bolivia.**

MP, USBM, 1945. 20 min, sd, b&w. Order no. 215.

Shows primitive methods of making tin, modern methods of tin mining, and processes involved in preparing tin bullion for factories. Includes scenes and a description of Bolivia.

Borrow from USBM. Cleared for TV. LC card FiE 52-643.

#### **Tinning and solder wiping.**

MP, USOE, 1944. 26 min, sd, b&w. (Shipbuilding skills series, Copper-smithing, no. 4) Order no. OE 343. With instructor's manual.

How to clean copper tubing for tinning; apply flux to copper; tin copper tubing by hand and by dipping; and how copper reacts to heat when being dipped and solder wiped.

Buy from UWF. LC card FiE 52-247.

#### **Tinning and solder wiping.**

FS, USOE, 1944. 59 fr, b&w. (Shipbuilding skills series, Copper-smithing, no. 4) Order no. OE 343-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2715.

#### **Tinplate.**

MP, USBM, 1949. 27 min, sd, color. Order no. 231.

Contrasts old and new methods of making tinplate; then shows the conversion of iron ore, coke, scrap, and limestone into molten metal, bars of steel, and coils of thin sheet steel. Describes the coating of sheet steel with tinplate by the hot-dip and electrolytic methods.

Borrow from USBM. Cleared for TV. LC card FiE 52-659.

#### **To be held in honor.**

MP, USN, 1950. 21 min, sd, b&w. (For which we stand series) Order no. MN 5321-c.

An appeal to service men's sense of moral values and the desirability of their practicing sexual self control.

Buy from UWF. LC card FiE 52-1389.



**To hear again.**

MP, USA, 1947. 37 min, sd, b&w.  
Order no. PMF 5052.

Explains and shows examples of the U.S. Army's aural rehabilitation program--testing, treatment, and social rehabilitation; the use of hearing aids and lip reading; and stories of several patients. Primarily for patient orientation.

Borrow from USA or USAFIP.  
Buy from UWF. Cleared for TV.  
LC card FiE 52-1727.

**To live in darkness.**

MP, USN, 1944. 13 min, sd, b&w.  
Order no. MN 1921-f.

Dramatized incidents showing how three plant workers lost their sight through carelessness.

Withdrawn from sale in 1951.  
Rent from some film libraries.  
LC card FiE 54-228.

**To the shores of Iwo Jima.**

MP, USN, 1945. 19 min, sd, color. Order no. MN 5124.

Documentary record of the battle of Iwo Jima in World War II.  
Borrow from USN. LC card FiE 52-1342.

**Today's chicks.**

MP, USDA, 1950. 19 min, sd, color.

Explains the national poultry improvement program to improve breeding qualities and reduce losses from pullorum disease in poultry flocks. Shows basic operations of program including the selection of breeders, methods of testing for pullorum, sanitation in the hatchery and field, and the production of pedigreed breeding stock.

Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FiE 52-436.

**Toe drain application to levee construction.**

MP, USA-Eng, 1951. 15 min, sd, color.

Deals with the problem of underseepage in the construction of a levee; illustrates the cause and effect of levee seepage; and shows

how underground toe-drains are installed.

Borrow from USA-Eng. Cleared for TV. LC card FiE 52-2000.

**Tom Schuler, cobbler statesman.**

MP, USIA, 1953. 29 min, sd, color.

An animated film showing the rivalries that existed among the early American colonies, and how those differences were ultimately resolved by federation under the Constitution providing for a balance of power among the three branches of government. The story is built around the experiences of a fictional immigrant shoemaker of the period who finds himself honored for his part in ratifying the Constitution. Prepared for overseas use.

Buy from UWF. LC card FiE 54-248.

**Tomorrow we fly.**

MP, USN, 1943. 22 min, sd, b&w.  
Order no. MN 1254.

Follows a pre-flight student through his training course and the materials for a dive bomber through the assembly plant. Plane and student meet when both are ready to fly.

Buy from UWF. LC card FiE 52-1074.

**Tongass timberland.**

MP, USDA, 1948. 18 min, sd, color.

Shows the timber resources and scenic beauties of the Tongass National Forest in southeast Alaska.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FiE 52-583.

**To provide for the common defense.**

MP, USA, 1954. 17 min, sd, color. Order no. FG 61-26.

Explains the history, organization, traditions, and customs of the U.S. Army.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 55-67.



**Topical fluorides: Multiple chair procedure.**

MP, USPHS, 1951. 13 min, sd, color.

Demonstrates how a dental hygienist by working with groups of four patients can utilize the time required for sodium fluoride to dry on patients' teeth. Prepared for use in training personnel for community fluoride programs.

Borrow from USPHS. LC card FiE 54-16.

**Topical fluorides: Technic of application.**

MP, USPHS, 1949. 10 min, sd, color.

Shows the technique of applying a 2 percent solution of sodium fluoride to the teeth of children at ages 3, 7, 10, and 13 in order to obtain a 40 percent reduction in tooth decay.

Borrow from USPHS. LC card FiE 54-15.

**Topographic mapping by photogrammetric methods.**

MP, USGS, 1947. 90 min, sd, color.

Portrays technical procedures employed by the Topographic Division of the U.S. Geological Survey in making standard topographic quadrangles, featuring the use of the multiplex method of mapping. Technical presentation for engineering students and other scientific personnel.

Borrow from USGS. LC card FiE 53-147.

**Topographic symbols.**

MP, USA, 1953. 18 min, sd, b&w. (Basic map reading series, no. 1) Order no. TF 5-1788. Revision of 1945 film with the title, Conventional signs.

Shows how to identify natural and man-made ground features by representative topographic symbols for woods, railroads, highways, fences, water, buildings, etc. Explains the meaning of the different colors used for features on maps.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-483.

**Topside painting: Application.**

MP, USN, 1951. 10 min, sd, color. Order no. MN 6788-b.

Demonstrates preparation of the surface to be painted; methods of mixing paint; and proper techniques of applying paint.

Buy from UWF. LC card FiE 52-1249.

**Topside painting: Preparation.**

MP, USN, 1951. 14 min, sd, color. Order no. MN 6788-a.

Explains the importance of paint; the causes of paint failures; the use of roughing tools for removal of old paint and scale, and of finishing tools for the final cleaning of steel; and the components, mixing, and application of metal conditioner.

Buy from UWF. LC card FiE 52-1248.

**Topsoil.**

MP, USDA, 1948. 11 min, sd, b&w. (School films series, no. 1) With teacher's guide.

Explains the dependence of rural and urban people upon soil; shows the characteristics and importance of topsoil; the centuries required to make topsoil and the minutes during which it can be destroyed; and the need for soil conservation.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-56.

**Torch welding.**

MP, USBM, 1946. 17 min, sd, b&w. (How to weld aluminum series) Order no. 220.

Shows how to make a good torch weld; examples of torch welding aluminum forgings, castings, and aluminum sheet and plate; and close-up of actual welding operations.

Borrow from USBM. Cleared for TV. LC card FiE 52-648.



**Tornado warnings.**

MP, USWB, 1953. 11 min, sd, b&w.

Explains the atmospheric conditions causing tornadoes and the work of the U.S. Air Force, U.S. Weather Bureau, and volunteer weather observers in predicting the paths of tornadoes. Includes scenes of a tornado near Corn, Okla., on June 8, 1951.

Buy from UWF. Cleared for TV. LC card FiE 53-467.

**Torneo de uma peça fixa num suporte.**

MP, USOE, 1945. 21 min, sd, b&w. Order no. OE 58-Port. Portuguese version of motion picture with title, Turning work on a fixture.

How to mount an irregularly shaped casting which cannot be held in a chuck; mount and center the fixture on a lathe; select and mount the tools; and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.

Buy from UWF. LC card FiE 51-541.

**Torneo de uma peça no mandril.**

MP, USOE, 1945. 20 min, sd, b&w. Order no. OE 61-Port. Portuguese version of motion picture with title, Turning work held on a mandrel.

Description and uses of a mandrel; how to fit the mandrel into the workpiece; cut a bevel using the compound rest; calculate speed and feed; and set the controls.

Buy from UWF. LC card FiE 51-547.

**Torneo de una pieza en el mandril.**

MP, USOE, 1945. 20 min, sd, b&w. Order no. OE 61-Sp. Spanish version of motion picture with title, Turning work held on a mandrel.

Description and uses of a mandrel; how to fit the mandrel into the workpiece; cut a bevel using the compound rest; calculate

speed and feed; and set the controls.

Buy from UWF. LC card FiE 51-548.

**Torneo de una pieza fija en un sosten.**

MP, USOE, 1945. 21 min, sd, b&w. Order no. OE 58-Sp. Spanish version of motion picture with title, Turning work on a fixture.

How to mount irregularly shaped casting which cannot be held in a chuck; mount and center the fixture on a lathe; select and mount the tools; and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.

Buy from UWF. LC card FiE 51-542.

**Torque converter, principles of operation.**

MP, USA, 1945. 20 min, sd, b&w. Order no. TF 9-1427.

Explains the principles and operation of a torque converter and demonstrates its dual function as clutch and transmission.

Borrow from USA. Buy from UWF. LC card FiE 52-1738.

**Tournage d'un cylindre entre les pointes.**

MP, USOE, 1951. 17 min, sd, b&w. Order no. OE 313-Fr. French version of motion picture with title, Turning a cylinder between centers.

How to choose and center stock for a job, mount stock in the wood lathe for turning between centers, use the parting tool and the skew chisel, and do sand turning work.

Buy from UWF. LC card FiE 53-461.

**Tournage d'une bride sur plateau.**

MP, USOE, 1951. 16 min, sd, b&w. Order no. OE 317-Fr. French version of motion picture with title, Face turning a collar.

How to prepare the face plate chuck, turn the chuck to size, attach chuck to stock for the collar, turn the collar and hob to size, and taper turn the recess.



Buy from UWF. LC card FiE 53-464.

**Tournage en mandrin.**

MP, USOE, 1951. 15 min, sd, b&w. Order no. OE 316-Fr. French version of motionpicture with title, Turning work in a chuck.

How to mount work on a face plate, turn one face of the work, make a chuck for the opposite face, fit the finished face to the chuck, turn the second face, and remove rechucked work from the chuck.

Buy from UWF. LC card FiE 53-463.

**Tournage sur plateau.**

MP, USOE, 1951. 15 min, sd, b&w. Order no. OE 315-Fr. French version of motionpicture with title, Turning work on a face plate.

Describes types of face plates. Shows how to attach the stock to the face plate, true up the work, scribe the work for inside turning, use the roundnose and diamond point chisels, and smooth the bottom of the recess.

Buy from UWF. LC card FiE 53-462.

**Toward independence.**

MP, USA, 1947. 30 min, sd, b&w. Order no. PMF 5055.

Shows how modern developments in medicine have made it possible for the victims of paraplegia, resulting from spinal cord injuries, to become independent, well adjusted citizens.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FiE 52-1728.

**Toward tomorrow.**

MP, USIA 1952. 20 min, sd, b&w.

Explains India's plan for a 50% increase in food production by 1956; illustrates methods of achieving this goal through modern (1952) dams, irrigation, fertilizers, etc.; and emphasizes the need for cooperation by vil-

lagers. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-505.

**Towards a uniform plumbing code.**

MP, USHHFA, 1948. 27 min, sd, b&w.

A pictorial record of tests conducted by the National Bureau of Standards to determine answers to three controversial problems in plumbing, namely: self-siphonage of fixture traps, stack venting, and wet venting.

Buy from UWF. LC card FiE 53-120.

**Towing a disabled plane.**

MP, USCG, 1947. 3 min, sd, color. (Search and rescue series. Ocean station vessel crew training in search and rescue) Order no. MG 5380-e.

Shows how a U.S. Coast Guard ocean station vessel tows a disabled plane on the surface of the sea.

Buy from UWF. Cleared for TV. LC card FiE 52-882.

**Towing lights.**

MP, USN, 1943. 7 min, sd, color. (Rules of the nautical road series) Order no. MN 202-e.

Gives light specifications for tows; and shows lights for submerged tows, vessels in tow, barges, canal boats, scows, and dump scows in New York harbor. Buy from UWF. LC card FiE 52-935.

**Towing, mooring, handling airplanes.**

FS, USAF, 1942. 81 fr, b&w. Order no. FS 1-215.

Shows the proper methods of towing, mooring, jacking, and hoisting various types of airplanes.

Borrow from USCAA film libraries. LC card FiE 53-1022.

**Towing operations: Ocean towing as applied to wooden rescue tugs.**

MP, USN, 1945. 17 min, sd, b&w. Order no. MN 4368.



A photographic record of a convoy of 205 fleet tugs; 165 wooden and 143 steel rescue tugs. Designed to familiarize Navy personnel with the construction of towing vessels and the characteristics of different types.

Buy from UWF. LC card FiE 52-1329.

#### Towing seaplanes.

FS, USN, 1942. 46 fr, b&w. Order no. SN 824.

Shows how to approach seaplanes for towing, secure ropes, and tow seaplanes under different wind conditions.

Buy from UWF. LC card FiE 52-1879.

#### The town.

MP, USOWI, 1944. 13 min, sd, b&w.

Shows life in an American town, Madison, Ind., and explains the democratic characteristics of the social and civic life of the people. Prepared for overseas use.

Buy from UWF. LC card FiE 52-784.

#### A town in old Mexico.

MP, USOIAA, 1944. 10 min, sd, color.

A tourist view of the villages of Puebla, Orizaba, and Fortin de las Flores in Mexico.

Rent from USOIAA film libraries.

Buy from UWF. LC card FiE 52-675.

#### Town meeting of the world.

MP, USA-CAD, 1952. 30 min, sd, b&w.

Defines the General Assembly of the United Nations as a "town meeting of the world," and explains its functions, organization and operations. Produced for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-2110.

#### Town without water.

MP, USECA, 1950. 13 min, sd, b&w. Known also as Village without water.

How counterpart funds built a pipeline to bring water to a

small Italian town for the first time. Produced for European use. Borrow from EFLA. Cleared for TV. LC card FiE 53-587.

#### Tracks.

MP, USA, 1953. 7 min, sd, b&w. (Operator's adjustments, D-7 tractor, no. 5) Order no. TF 5-1830.

Shows the methods, procedures, and tools used to check and adjust the tracks of the D-7 tractor.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 53-513.

#### Trade training in the Navy.

MP, USN, 1950. 14 min, sd, color. Order no. MN 6674.

Explains the possibilities of learning various trades in the Navy, centering mostly upon aviation and electronics. Intended for recruiting.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1256.

#### Traffic patrols and escorts.

MP, USA, 1949. 22 min, sd, b&w. Order no. TF 19-1579.

Shows military police on traffic patrol and escort duty, techniques for area and organizational traffic control, safe guidance of convoys through controlled areas by advance escort, leap-frog, and truck methods.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-1575.

#### Trail to health.

MP, USBIA, 1949. 20 min, sd, color.

How two Pueblo Indian boys learn that they have tuberculosis and how they are cured. Includes portrayal of Indian home life.

Buy from USBIA. LC card FiE 52-794.

#### Trailer 201.

MP, USIA, 1949. 40 min, sd, b&w.

Covers a trip from New York to Chicago on a large trailer truck,



shows the work of the drivers, and explains the importance of such trucks in American transportation. Prepared for overseas use.

Buy from UWF. LC card FiE 52-902.

**Training aids: Classroom utilization.**

MP, USN, 1950. 15 min, sd, b&w. Order no. MN 6753-b.

How a good Navy instructor conducts a classroom lesson with the use of training aids.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1290.

**Training aids: Selection and planning.**

MP, USN, 1950. 16 min, sd, b&w. Order no. MN 6753-a.

How a Navy instructor selects and plans the use of training aids; fits motion pictures, still pictures, charts, models, and mock-ups into his lesson plan; and checks classroom, equipment, and aids prior to use.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 52-1289.

**Training aids: Slides, large drawings, and transparencies.**

MP, USN, 1951. 18 min, sd, color. Order no. MN 6753-c.

Urges instructors to make their own 3½ x 4" lantern slides, large drawings, and transparencies for use with the overhead projector. Explains the nature of the equipment and materials which are needed and the opportunities for preparing and using such training aids by naval instructors.

Buy from UWF. Cleared for TV. LC card FiE 52-1973.

**Training in operation plans between the ocean station vessel and a ditching plane.**

MP, USCG, 1947. 16 min, sd, color. (Search and rescue series. Ocean station vessel crew training in search and rescue) Order no. MG 5380-b.

Shows the ditching of a plane at sea and coordination of the operation between the plane and a U.S. Coast Guard ocean station vessel.

Borrow from USCG. Cleared for TV. LC card FiE 52-851.

**Training of men.**

MP, USIA, 1952. 10 min, sd, b&w.

Portrays the work of the Etawah Extension Training School in India through the experiences of a student, at the school, in his practice teaching in an Indian village, and at graduation. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-506.

**Training war dogs: Basic exercises.**

MP, USA, 1943. 22 min, sd, b&w. Order no. TF 10-1256.

Shows how a dog is taught to heel, sit, lie down, come to attention, hurdle a three-and-a-half foot wall, and finally to relax.

Borrow from USA. Buy from UWF. LC card FiE 52-1550.

**Transfer molding: Molding a part with inserts.**

MP, USOE, 1945. 10 min, sd, b&w. (Plastics series, no. 5) Order no. OE 470. With instructor's manual.

How transfer molding differs from compression molding; how to mold a part by the transfer method; and coordinate the steps of the molding cycles.

Buy from UWF. LC card FiE 52-297.

**Transfer molding: Molding a part with inserts.**

FS, USOE, 1945. 35 fr, b&w. (Plastics series, no. 5) Order no. OE 470-fa.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2754.

**Transfer of a patient at sea.**

MP, USCG, 1947. 5 min, sd, color. (Search and rescue series. Ocean



station vessel crew training in search and rescue) Order no. MG 5380-f.

Shows the transfer of a patient from a U.S. Coast Guard ocean station vessel to a small boat and thence to a search and rescue plane.

Buy from UWF. Cleared for TV. LC card FiE 52-883.

**Transferring bees to movable-frame hives.**

FS, USDA, 1942. 36 fr, single or double, b&w. Order no. 616. With lecture notes.

Shows the method of transferring bees from the box hives and log "gums" to movable-frame hives.

Buy from PhotoLab. LC card FiE 52-2839.

**The transit. Part 1: Description, set-up, and leveling.**

FS, USA, 1943. 65 fr, b&w. Order no. FS 6-33.

Describes the transit as consisting of a telescope attached to a vernier which may be moved inside a graduated circle, and demonstrates how to set-up and level a transit.

Buy from UWF. LC card FiE 52-2949.

**The transit. Part 2: Verniers.**

FS, USA, 1943. 54 fr, b&w. Order no. FS 6-34.

Explains and shows how to use and read verniers on a transit.

Buy from UWF. LC card FiE 52-2945.

**Transition phase; basic training, part 1.**

FS, USAF, 1944. 41 fr, b&w. Order no. FS 1-890.

Describes the correct procedures for cockpit check, taxiing (including control positions during taxiing), take-off, turns after take-off, climbing turns, and leveling-off. Explains the purpose and meaning of transition phase.

Borrow from USCAA film libraries. LC card FiE 53-996.

**Transition phase; basic training, part 2.**

FS, USAF, 1944. 50 fr, b&w. Order no. FS 1-891.

Describes procedures for medium turns, gliding turns, landings, coordination exercises, and steep turns.

Borrow from USCAA film libraries. LC card FiE 53-995.

**Transition phase; basic training, part 3.**

FS, USAF, 1945. 55 fr, b&w. Order no. FS 1-990.

Lists the factors influencing air-speed at which stalls occur, and describes procedures to recover from standard stalls, characteristic stalls (power off), rudder-controlled stalls (power on), and normal recovery stalls (with power on and power off).

Borrow from USCAA film libraries. LC card FiE 53-990.

**The transition piece: Square to round layout and fabrication.**

MP, USN, 1944. 18 min, sd, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. MN 2339-d.

Shows layout of the pattern on a single piece of metal after preliminary steps in making a scale drawing and template. Follows fabrication through forming and bending stages and mucking of the groove.

Buy from UWF. LC card FiE 52-1218.

**Transition piece: Square to round layout and fabrication.**

FS, USN, 1944. 45 fr, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. SN 2339-p.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-1794.

**Transmissão das doenças.**

MP, USOIAA, 1945. 11 min, sd, color. Portuguese version of motion picture with title, How disease travels.

Shows how disease microbes are spread in a community by water,



flies, and person-to-person contact; and suggests sanitary precautions. Animated cartoon.  
Buy from USIAA. LC card FIE 52-551.

**Transmission, drive shaft, and differential.**

MP, USOE, 1945. 14 min, sd, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 9) Order no. OE 485. With instructor's manual.

How to check the transmission gear shift mechanism, drive shaft, and differential; and test their running condition.

Buy from UWF. LC card FIE 52-354.

**Transmission, drive shaft, and differential.**

FS, USOE, 1945. 33 fr, b&w. (Automotive operation and maintenance series. Preventive maintenance, no. 9) Order no. OE485-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2810.

**Transmission of anthrax, animal to man.**

FS, USPHS, 1954. 70 fr, color with disc: 16 in, 33 1/3 rpm, 12 min. Order no. F 140.

By artist's sketches and clinical photographs shows historical references to anthrax, anthrax spores in imported animal products, the pattern of human anthrax infection, effective control measures, clinical appearance and response to treatment of two cases of human anthrax, appearance of anthrax lesions in 5 additional cases, number and distribution of reported cases of anthrax in the U.S.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-744.

**Transmission security.**

MP, USN, 1944. 19 min, sd, b&w. (Radio operator training series) Order no. MN 2621-d.

Cautions radio operators against any action which might reveal a location or aid the enemy in any way. Points out the danger in sneaking out messages, sending unauthorized messages, and cutting in.

Buy from UWF. LC card FIE 52-1103.

**Transplantation and anastomosis of radial nerve.**

MP, USA, 1948. 9 min, sd, color. Order no. PMF 5081.

Shows the case of a severed left radial nerve which was sutured, but in which recovery failed to ensue. Gives clinical findings, plus technique used in effecting repair. For medical personnel.

Borrow from USAFIP. LC card FIE 53-56.

**Transplanting hen's ova.**

MP, USDA, 1948. 9 min, sd, color.

Shows the operation of transplanting unfertilized eggs from one hen to another, where the eggs are subsequently fertilized, laid, and hatched in the normal manner.

Buy from UWF. LC card FIE 52-585.

**Transportation and evacuation of casualties in a Marine division.**

MP, USN, 1952. 17 min, sd, b&w. Order no. MN 7334.

Explains evacuation of casualty methods and principles. Shows how certain problems of evacuation of casualties have been overcome and how the principle of flexibility can be applied to meet new situations.

Borrow from USN-BuMed. LC card FIE 54-151.

**Transportation of casualties.**

MP, USA, 1951. 26 min, sd, b&w. Order no. TF 8-1705.

Shows methods used in transporting wounded personnel from the combat area to medical installations for treatment.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-2085.



**Trapped.**

MP, USFCDA, 1954. 20 min, sd, b&w. Adaptation of Swedish film with the title, The rescue of people under a bombed house.

Emphasizes the need for trained rescue workers by showing the risks of rescue, special techniques required to rescue trapped casualties, searching in collapsed structures, digging through rubble, tunnelling through shifting masses of debris, and wall-breeching.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FIE 55-45.

**Traversing.**

FS, USA, 1945. 71 fr, b&w. (Surveying series) Order no. FS5-77. Explains how to run a traverse by interior angles, prolong a straight line, run a traverse by deflection angles, and make graphic adjustments of a traverse.

Borrow from USA. Buy from UWF. LC card FIE 52-2947.

**Treasure from the sea.**

MP, USBM, 1950. 11 min, sd, color. Order no. 239.

Portrays by animation and live-action photography the characteristics and uses of magnesium. Emphasizes the importance of its lightness and of its supply source, sea water.

Borrow from USBM. Cleared for TV. LC card FIE 52-667.

**Treasure trove of jade.**

MP, USOIAA, 1942. 37 min, sd, color.

Record of an archeological expedition, sponsored by the National Geographic Society and the Smithsonian Institution, to Vera Cruz, and of its discoveries, including a large number of jade objects.

Rent from some USOIAA film libraries. Buy from UWF. LC card FIE 52-694.

**Treat seed grain.**

FS, USDA, 1938. 56 fr, b&w. Order no. 459. With lecture notes.

Shows diseases of cereals, how they are spread, and how they can be controlled by preventive cleaning and treating of seed grain.

Withdrawn from active circulation in 1952. LC card FIE 52-2904.

**Treatment for paresis of the superior oblique.**

MP, USN, 1943. 7 min, sd, color. (Eye surgery series) Order no. MN 2477-a.

Shows the actual operation performed on a patient with general anesthesia; demonstrates how the lid is depressed, the eyeball incised, and how the tendons are tied. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1121.

**Treatment of jaw fractures.**

MP, USN, 1943. 33 min, st, color. Order no. MN 1053.

Demonstrates how to apply several kinds of jaw splints including extra-oral fixations with vulcanite attachment. For medical personnel.

Buy from UWF. LC card FIE 52-1021.

**A tree grows for Christmas.**

MP, USDA, 1949. 11 min, sd, color or b&w.

Tells the story of the Christmas tree in history and legend and of the Christmas tree industry today; shows how trees are cut and marketed, and how a tree should be handled in the home.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-475.

**Tree planting and land use.**

FS, USDA, 1941. 54 fr, single or double, b&w. Order no. 620. With lecture notes.

Shows how mistakes in land use result in loss of yields and soil; how to restore ruined land with plantings adapted to sites, and how to care for such plantings.

Buy from PhotoLab. LC card FIE 52-2892.



**Trees to tame the wind.**

MP, USDA, 1940. 12 min, sd, b&w.

Shows the planting of trees in the prairie states to serve as wind-breaks and shelterbelts for the protection of crops and soil. Borrow from USFS. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-448.

**Trench foot.**

MP, USA, 1945. 14 min, sd, b&w. Order no. FB 180.

Points out that proper foot care can prevent trench foot, and shows the amputation of a gangrenous toe.

Borrow from USAFIP. LC card FIE 54-28.

**Trench foot.**

MP, USN, 1945. 11 min, sd, color. (Medicine in action series, no. 6) Order no. MN3726-f. Shows the clinical condition and treatment of trench foot by U.S. Army in the Italian theater in 1945. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-995.

**Trends in ordnance, 1949.**

MP, USA, 1949. 13 min, sd, b&w. Order no. FB 230.

Explains developments in the mobility of weapons from World War I to World War II; and how work of mobile instrument laboratories helps develop lighter, more portable artillery weapons. Contains views of the Ordnance Museum, Aberdeen Proving Ground.

Borrow from USA. Buy from UWF. Cleared for TV. LC card no. FIE 52-1682.

**Trichinosis, a disease easily prevented.**

FS, USDA, 1939. 31 fr, b&w. Order no. 573. With lecture notes. Shows stages in the development of the parasite, trichina; explains the disease, trichinosis--its causes, spread, and prevention. Buy from PhotoLab. LC card FIE 52-2927.

**Trickling filter plants.**

FS, USPHS, 1950. 94 fr, b&w with disc: 16 in, 33 1/3 rpm, 9 min. (Municipal sewage treatment plants, no. 3) Order no. 5-159.

Pictures and describes units, structures, and details of equipment used in the operation of trickling filter plants, showing biological aspects of sewage treatment processes.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-963.

**Trieste to Lampedusa.**

MP, USECA, 1950. 15 min, sd, b&w.

Record of a new Triestean fishing fleet, made possible through Marshall aids, sailing from Trieste to the Italian island of Lampedusa in the Mediterranean for the summer fishing season. Produced for European use.

Borrow from FFLA. Cleared for TV. LC card FIE 53-576.

**Trigger squeeze.**

MP, USA, 1943. 20 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 3) Order no. TF 7-1094.

Explains exercises used for taking up the slack of the trigger and applying smooth, even pressure while firing; shows direct results of uneven pressure; and demonstrates complete method of checking--reaction of the eye, trigger squeeze, and body position.

Borrow from USA. Buy from UWF. LC card FIE 52-1509.

**The triode: Amplification.**

MP, USOE, 1945. 14 min, sd, b&w. (Engineering series. Electronics, no. 3) Order no. OE177. With instructor's manual.

Principles of the diode and triode; electric fields; a triode amplifier circuit; amplification of D.C. voltage changes; alternating voltages; distortion; amplification of audio frequency signals.

Buy from UWF. LC card FIE 52-189.



**The triode: Amplification.**  
 FS, USOE, 1945. 36 fr, b&w.  
 (Engineering series. Electronics,  
 no. 3) Order no. OE 177-  
 fs.  
 Supplements motion picture with  
 the same title.  
Buy from UWF. LC card FIE  
52-2669.

**The triple threat of brucellosis.**  
 MP, USDA, 1951. 27 min, sd,  
 color or b&w.  
 Explains the incidence of brucel-  
 losis in the U.S. and emphasizes  
 the threat of this disease to  
 cattle, swine, and human beings;  
 shows the nature of brucellosis  
 and its infection of animals and  
 humans; and recommends four  
 methods of control.  
Rent from USDA film libraries.  
Buy from UWF. Cleared for TV.  
LC card FIE 52-484.

**Troop information and educa-  
 tion in the field.**  
 MP, USA, 1953. 17 min, sd, b&w.  
 Order no. MF 20-7979.  
 Explains the activities and serv-  
 ices of the U.S. Army Troop  
 Information and Education Divi-  
 sion in keeping soldiers in the  
 field informed on current events  
 and assisting them in furthering  
 their education.  
Borrow from USA. Cleared for  
TV. LC card FIE 54-407.

**Troop-movement by air.**  
 MP, USA, 1949. 30 min, sd, b&w.  
 Order no. TF 7-1510.  
 Explains advantages of air trans-  
 port of troops, methods of load-  
 ing, load computation, and flight  
 safety.  
Borrow from USA. LC card FIE  
55-175.

**Troop train.**  
 MP, USOWI, 1943. 11 min, sd,  
 b&w.  
 Shows the movement across the  
 country in 1943 of the 201st  
 Armored Division.  
Buy from UWF. LC card FIE  
52-762.

**Trouble shooting problems: Fuel  
 induction.**  
 MP, USOE, 1945. 17 min, sd,  
 b&w. (Aircraft work series.  
 Power plant maintenance) Order  
 no. OE 276. With instructor's  
 manual.  
 How to trouble shoot the fuel  
 system for failure to develop  
 full power, for rough running at  
 idling speed, and for over-heat-  
 ing.  
Borrow from USCAA film li-  
braries. Buy from UWF. LC card  
FIE 52-160.

**Trouble shooting problems: Fuel  
 induction.**  
 FS, USOE, 1945. 48 fr, b&w.  
 (Aircraft work series. Power  
 plant maintenance) Order no. OE  
 276-fs.  
 Supplements motion picture with  
 the same title.  
Buy from UWF. LC card FIE  
52-2631.

**Trouble shooting problems: Igni-  
 tion.**  
 MP, USOE, 1945. 19 min, sd,  
 b&w. (Aircraft work series.  
 Power plant maintenance) Order  
 no. OE 275. With instructor's  
 manual.  
 How to locate trouble within the  
 ignition system when an engine  
 fails to start, when it runs rough,  
 and when it fails to develop full  
 power.  
Borrow from USCAA film li-  
braries. Buy from UWF. LC card  
FIE 52-250.

**Trouble shooting problems: Igni-  
 tion.**  
 FS, USOE, 1945. 52 fr, b&w.  
 (Aircraft work series. Power  
 plant maintenance) Order no. OE  
 275-fs.  
 Supplements motion picture with  
 the same title.  
Buy from UWF. LC card FIE  
52-2630.

**Trouble shooting problems: Me-  
 chanical and lubrication.**  
 MP, USOE, 1945. 10 min, sd,  
 b&w. (Aircraft work series.  
 Power plant maintenance) Order



no. OE 274. With instructor's manual:

How to check symptoms and locate causes of an airplane engine's running "rough," of low oil pressure, and of high oil temperature.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-147.

**Trouble shooting problems: Mechanical and lubrication.**

FS, USOE, 1945. 46 fr, b&w. (Aircraft work series. Power plant maintenance) Order no. OE 274-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2606.

**Trouble shooting your car.**

MP, USOE, 1945. 12 min, sd, b&w. (Automotive operation and maintenance series. Automobile operation, no. 5) Order no. OE 490. With instructor's manual.

What a driver should do to locate and correct minor car troubles; and how to recognize symptoms of impending trouble.

Buy from UWF. LC card FIE 52-348.

**Trouble shooting your car.**

FS, USOE, 1945. 29 fr, b&w. (Automotive operation and maintenance series. Automobile operation, no. 5) Order no. OE 490-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2804.

**A true standard.**

MP, USNBS, 1954. 12 min, sd, color.

Shows the importance of accurate standard weights and precise weighing techniques, and illustrates certain activities of the Federal, State and local governments in weights and measures administration. Tells in story form the step-by-step relationship between the international standard of mass and the test

weights used by an inspector in testing store scales, and shows how accuracy is maintained in commercial weighing.

Borrow and buy from USNBS. LC card FIE 55-51.

**Truing balance wheels.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 10)

Shows how to recognize and correct a balance wheel which does not run true, including the use of calipers, bending the wheel, using a wrench, and cleaning the balance wheel.

Borrow from USVA. LC card FIE 54-181.

**Truly yours: The dress that fits.**

MP, USDA, 1949. 18 min, sd, color or b&w.

Shows the fitting points to check when buying ready-made dresses, and how to make necessary alterations at home. Explains the most commonly needed alterations for the tall-slender, medium-stout, and short-plump types of figures.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 52-1933.

**The Truman story.**

MP, US Defense, 1948. 9 min, sd, b&w. Order no. AFSR 100. On same reel with film, They're in the Army now.

Scenes of the life of President Harry S. Truman. Prepared for use by U.S. Armed Forces personnel.

Buy from UWF. LC card FIE 52-1647.

**Tsutsugamushi: Prevention.**

MP, USN, 1945. 28 min, sd, b&w. Order no. MN 5041-a.

Describes the nature of tsutsugamushi, symptoms of the disease, and preventive measures.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1340.

**Tube and shape bending.**

MP, USBM, 1944. 14 min, sd, b&w. (How to form aluminum series) Order no. 206.



Explains hand bending, bending by power machines, cold and hot bending of aluminum.

Borrow from USBM. Cleared for TV. LC card FIE 52-635.

**Tube bending by hand.**

MP, USOE, 1943. 15 min, sd, b&w. (Aircraft work series) Order no. OE 142. With instructor's manual.

Why tubes must be bent for installation in airplanes; how to set up the tube bending machine for the job; and how the various parts of the machine function. Buy from UWF. LC card FIE 52-20.

**Tube bending by hand.**

FS, USOE, 1943. 38 fr, b&w. (Aircraft work series) Order no. OE 142-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2542.

**Tube tester operation.**

MP, USN, 1944. 9 min, sd, b&w. (Radio technician training series) Order no. MN 1540-p.

How to use testers to check cathode emission and dynamic mutual conductance of tubes.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-928.

**A tuberculose.**

MP, USOIAA, 1945. 10 min, sd, color. Portuguese version of motion picture with title, Tuberculosis.

Explains the cause, symptoms, and transmission of tuberculosis; and emphasizes that the disease is controllable and curable. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-527.

**Tuberculosis.**

MP, USOIAA, 1945. 10 min, sd, color. (Health for the Americas series)

Explains the cause, symptoms, and transmission of tuberculosis; and emphasizes that the disease

is controllable and curable. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-517.

**La tuberculosis.**

MP, USOIAA, 1945. 10 min, sd, color. Spanish version of motion picture with title, Tuberculosis.

Explains the cause, symptoms, and transmission of tuberculosis; and emphasizes that the disease is controllable and curable.

Buy from USIAA. Cleared for TV. LC card FIE 52-516.

**Tuesday in November.**

MP, USOWI, 1945. 22 min, sd, b&w. (American scene series, no. 13)

Portrays the 1944 presidential election from the pre-election nominating conventions through the party campaigns to election day in November. Explains the organization and structure of government in the United States. Prepared for overseas use.

Buy from UWF. LC card FIE 52-779.

**Tulsa, Oklahoma.**

MP, USA-CAD, 1950. 20 min, sd, b&w.

Depicts the history of the city of Tulsa, Okla. Produced for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FIE 52-2111.

**Tuned circuits.**

MP, USA, 1954. 28 min, sd, b&w. Order no. TF 11-1831.

Explains the theories behind the electronics of tuned circuits and the application of these theories to a practical radio receiver layout and to a radio transmitter.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 55-13.

**Tuning.**

FS, USN, 1942. 27 fr, b&w. Order no. SN 649.

Describes the theory of tuning a radio circuit.



Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1869.

**Turbine operation.**

FS, USCG, 1943. 80 fr, b&w. Order no. SCG 178-a.

Shows the procedures for operating a ship's main turbine.

Buy from UWF. LC card FIE 52-811.

**Turkey.**

MP, US Defense, 1952. 17 min, sd, b&w. Order no. AFIF 31.

Explains the political, social, economic, and industrial significance of Turkey, and its importance in the North Atlantic Treaty Organization.

Borrow from USA or USAF. Cleared for TV. LC card FIE 53-651.

**Turkish harvest.**

MP, USECA, 1952. 20 min, sd, b&w.

A Turkish boy, trained in an agricultural school demonstrates to his father and other men in the village the value of modern farm equipment and methods. Produced for overseas use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-588.

**Turning a cylinder between centers.**

MP, USOE, 1944. 17 min, sd, b&w.

(Precision wood machining series. Operations on the wood lathe, no. 1) Order no. OE 313. With instructor's manual.

How to choose and center stock for a job; mount stock in the wood lathe for turning between centers; use the parting tool and the skew chisel; and do sand turning work.

Buy from UWF. LC card FIE 52-44.

**Turning a cylinder between centers.**

FS, USOE, 1944. 46 fr, b&w.

(Precision wood machining series. Operations on the wood lathe, no. 1) Order no. OE 313-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2539.

**Turning a taper with the tailstock set over.**

MP, USOE, 1942. 17 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 6) Order no. OE 44. With instructor's manual.

How to calculate tailstock offset for cutting tapers; offset the tailstock; and turn a taper with the tailstock set over.

Buy from UWF. LC card FIE 51-537.

**Turning a taper with the tailstock set over.**

FS, USOE, 1944. 54 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 6) Order no. OE 44-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-41.

**Turning brass with hand gravers. Part 1: Turning, facing, chamfering, cut-off.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 5) Demonstrates how to use a graver in turning, facing, and chamfering a brass dowel.

Borrow from USVA. LC card FIE 54-176.

**Turning brass with hand gravers. Part 2: Turning straight and square shoulders.**

MP, USVA, 1949. 10 min, sd, b&w. (Light mechanics series, no. 6) Demonstrates how to use a graver in reducing the diameter of brass wire and in squaring the shoulder.

Borrow from USVA. LC card FIE 54-177.

**Turning taper work.**

MP, USOE, 1944. 12 min, sd, b&w. (Precision wood machining series. Operations on the wood lathe, no. 2) Order no. OE 314. With instructor's manual.



How to center cylindrical wood stock for spindle turning; make clearance cuts; establish the diameters of a taper; turn a single taper; establish diameters for turning two tapers from a single piece of stock; and turn the tapers. Buy from UWF. LC card FIE 52-45.

**Turning taper work.**

FS, USOE, 1944. 49 fr, b&w. (Precision wood machining series. Operations on the wood lathe, no. 2) Order no. OE 314-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2531.

**Turning the tide.**

MP, US Defense, 1950. 22 min, sd, b&w. Order no. CB 102.

Military operations in Korea from August 10 to September 20, 1950.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1653.

**Turning work held on a fixture.**

MP, USOE, 1944. 21 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 10) Order no. OE 58. With instructor's manual.

How to mount an irregularly shaped casting which cannot be held in a chuck; mount and center the fixture on a lathe; select and mount the tools; and turn, face, bore, counterbore, and ream the surfaces of a valve bonnet.

Buy from UWF. LC card FIE 51-507.

**Turning work held on a fixture.**

FS, USOE, 1944. 34 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 10) Order no. OE 58-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-27.

**Turning work held on a mandrel.**

MP, USOE, 1943. 20 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no.

13) Order no. OE 61. With instructor's manual.

Description and uses of a mandrel; how to fit the mandrel into the workpiece; cut a bevel, using the compound rest; calculate speed and feed; and set the controls.

Buy from UWF. LC card FIE 51-510.

**Turning work held on a mandrel.**

FS, USOE, 1943. 28 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 13) Order no. OE 61-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-30.

**Turning work in a chuck.**

MP, USOE, 1944. 15 min, sd, b&w. (Precision wood machining series. Operations on the wood lathe, no. 4) Order no. OE 316. With instructor's manual.

How to mount work on a face plate; turn one face of the work; make a chuck for the opposite face; fit the finished face to the chuck; turn the second face; and remove rechucked work from the chuck.

Buy from UWF. LC card FIE 52-51.

**Turning work in a chuck.**

FS, USOE, 1944. 38 fr, b&w. (Precision wood machining series. Operations on the wood lathe, no. 4) Order no. OE 316-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2533.

**Turning work of two diameters.**

MP, USOE, 1941. 14 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 2) Order no. OE 7. With instructor's manual.

How to use roughing, finishing, facing, and radius tools; rough-turn and finish-turn a workpiece having two diameters; face a work-piece; and machine fillets.

Buy from UWF. LC card FIE 51-515.



**Turning work of two diameters.**  
FS, USOE, 1943. 34 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 2) Order no. OE 7-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-17.

**Turning work on a face plate.**

MP, USOE, 1944. 15 min, sd, b&w. (Precision wood machining series. Operations on the wood lathe, no. 3) Order no. OE 315. With instructor's manual.

Types of face plates; how to attach the stock to the face plate; true up the work; scribe the work for inside turning; use the round-nose and diamond point chisels; and smooth the bottom of the recess.

Buy from UWF. LC card FIE 52-50.

**Turning work on a face plate.**

FS, USOE, 1944. 48 fr, b&w. (Precision wood machining series. Operations on the wood lathe, no. 3) Order no. OE 315-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2532.

**The turret lathe, an introduction.**

MP, USOE, 1945. 17 min, sd, b&w. (Machine shop work series. Operations on the turret lathe, no. 1) Order no. OE 212. With instructor's manual.

Functions of the head, hexagon turret, square turret, and bed; how to determine the sequence of operations; take a multiple cut; and combine cuts from the hexagon and square turrets.

Buy from UWF. LC card FIE 51-597.

**The turret lathe, an introduction.**

FS, USOE, 1945. 30 fr, b&w. (Machine shop work series. Operations on the turret lathe, no. 1) Order no. OE 212-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-104.

**Tussock moth control.**

MP, USDA, 1949. 15 min, sd, color.

Shows aerial spraying of farms in Idaho to eradicate the Tussock moth and its damage to fruit and shade trees.

Borrow from USCAA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2168.

**Twelve nations sign North Atlantic pact.**

MP, USA, 1950. 14 min, sd, b&w. Order no. MF 7563.

Depicts the signing of North Atlantic treaty, with Secretary of State Acheson and President Truman explaining the purpose of the pact and the mutual benefits to member nations.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 52-1626.

**The Twenty-sixth Infantry Division.**

MP, USA, 1952. 16 min, sd, b&w. Order no. MF 7872.

Reviews briefly the origin of the Twenty-sixth Infantry Division in 1917, and covers in detail its activities and achievements in World War II.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-496.

**27th Infantry Division.**

MP, USA, 1953. 20 min, sd, b&w. Order no. MF 130-7929.

Reviews the history of the 27th Infantry Division, particularly its part in the campaigns of Makin, Eniwetok, Saipan, and Okinawa during World War II.

Borrow from USA. Cleared for TV. LC card FIE 54-408.

**29th Infantry Division.**

MP, USA, 1950. 19 min, sd, b&w. Order no. MF 7554.

History of the activities of the 29th Infantry Division from training camp to Germany. Shows amphibious maneuvers in England and combat operations in Normandy, St. Lo, Brest, and Germany.



Borrow from USA. Cleared for TV. LC card FIE 52-2054.

**Twin 40mm gun motor carriage M19.**

MP, USA, 1949. 17 min, sd, b&w. Order no. TF 44-1524.

Explains the characteristics and operations of the gun and gun mount, capabilities and mechanical functioning of the mount, and duties of the crew members. Borrow from USA. Cleared for TV. LC card FIE 55-125.

**Two half hitches and a round turn.**

MP, USCG, 1943. 3 min, sd, b&w. Order no. MCG 302.

Explains why a round turn and two half hitches are used for mooring small craft; and demonstrates the procedure for making the tie.

Buy from UWF. LC card FIE 52-875.

**Two half hitches and a round turn.**

FS, USCG, 1943. 31 fr, b&w. Order no. SCG 302.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-820.

**Types, mechanisms, and oiling systems.**

MP, USAF, 1940. 32 min, sd, b&w. (Aircraft engines series) Order no. TF 1-135.

Presents an overview of the operating principles and component parts of the airplane engine.

Borrow from USCAA film libraries. LC card FIE 54-229.

**Types of damaged kernels and other conditions.**

FS, USDA, 1950. 33 double fr, color. Order no. C-10.

Explains the classification of corn and soybeans, and shows various types of damaged kernels found in commercial lots of wheat, corn, and soybeans.

Buy from PhotoLab. LC card FIE 53-847.

**Types of screw lock splints and bone graft cases.**

MP, USA, 1947. 6 min, sd, color. Order no. PMF 5074.

Shows several cases of injuries to the face and jaw, and the types of screw lock splints and bone grafts utilized in effecting repairs. For medical and dental personnel.

Borrow from USAFIP. LC card FIE 53-62.

**The typhoid carrier.**

MP, USHAA, 1947. 9 min, sd, color.

Explains how the typhoid bacillus may be transmitted in milk and water, and by flies and human carriers. Demonstrates how a cook may be unknowingly a carrier of typhoid.

Buy from USHAA. Cleared for TV. LC card FIE 52-488.

**Typhoid vaccine research.**

MP, USA, 1950. 29 min, sd, color. Order no. PMF 5165.

Demonstrates the application of classical and special techniques to the solution of research problems pertaining to the potency of typhoid vaccine.

Borrow from USAFIP. LC card FIE 54-56.

**Typhus control series.**

Identification of some common sucking lice

**Typhus in Naples.**

MP, USN, 1944. 11 min, sd, color. (Medicine in action series, no. 2) Order no. MN 3726-b.

Covers typhus epidemic in Naples during the winter of 1943-44 and how it was checked by proper control methods. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-991.

**Typical television interference patterns.**

MP, USDA, 1953. 11 min, sd, b&w.

Demonstrates and discusses types of television interference patterns most noticeable on TV



receivers. Primarily for technical personnel.

Borrow from USDA. Buy from UWF. Cleared for TV. LC card FIE 54-152.

**Typing of tubercle bacilli by animal inoculation.**

MP, USPHS, 1950. 14 min, sd, b&w. (Laboratory diagnosis of tuberculosis, no. 4) Order no. 4-089.4.

Demonstrates a technique for the typing and determination of virulence of tuberculosis cultures by animal inoculation; and shows how the cultures are standardized and diluted to insure the validity of the results of such typing.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-197.

**Typing of tubercle bacilli by animal inoculation.**

FS, USPHS, 1950. 58 fr, color with disc: 16 in, 33 1/3 rpm, 7 min. (Laboratory diagnosis of tuberculosis series, no. 4) Order no. 5-123.4.

Covers same material as in motion picture with the same title. Borrow from USPHS-CDC. LC card FIE 53-939.

**UCLA.**

MP, USIA, 1948. 44 min, sd, b&w. Shows student life, student government, athletics, social events, classroom activities, and academic opportunities in American colleges and universities, as illustrated by the University of California at Los Angeles. Prepared for overseas use.

Buy from UWF. LC card FIE 52-903.

**Ulnar nerve and soft tissue defect and simultaneous repair in the forearm.**

MP, USA, 1950. 10 min, sd, color. Order no. PMF 5133.

Uses a clinical case to demonstrate a method of accomplishing the simultaneous repair of a soft tissue defect and ulnar nerve defect in the forearm. For medical personnel.

Borrow from USAFIP. LC card FIE 53-31.

**Ulnar nerve suture at the wrist.** MP, USA, 1948. 10 min, sd, color. Order no. PMF 5092.

Shows the preoperative, surgical, and postoperative management of a patient with an ulnar nerve injury resulting from a shell fragment penetrating the ulnar surface of the left wrist. For medical personnel.

Borrow from USAFIP. LC card FIE 53-50.

**Uncinariasis.**

MP, USOIAA, 1945. 10 min, sd, color. Spanish version of motion picture with title, Hookworm.

Explains how a family is reduced to weakness and poverty by hookworms and how they rid themselves of illness; emphasizes preventive sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-542.

**Uncinariose (opilação).**

MP, USOIAA, 1945. 10 min, sd, color. Portuguese version of motion picture with title, Hookworm. Explains how a family is reduced to weakness and poverty by hookworms and how they rid themselves of illness; emphasizes preventive sanitary measures. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-540.

**Uncommon valor.**

MP, USMC, 1952. 8 min, sd, b&w. Order no. MH 7331.

Presents the story of the statue, Flag Raising on Iwo Jima, created by Felix de Weldon. Contains scenes of the 1945 landing on Iwo Jima, the original photograph of the flag raising, the sculptor at work, the statue and its unveiling at Quantico.

Borrow from USMC. Buy from UWF. Cleared for TV. LC card FIE 53-115.

**Unconsciousness.**

FS, USN, 1942. 59 fr, b&w with disc: 16 in, 33 1/3 rpm, 13 min. (First aid series) Order no. SN 217-b.



Shows first-aid treatment for hysteria, fainting, heat exhaustion, heat stroke, sunstroke, epilepsy, apoplexy, carbon-monoxide poisoning, drowning, and electric shock.

Borrow from USCAA film libraries or USN-BuMed. Buy from UWF. LC card FiE 52-1846.

**Under control: The story of malaria prevention around man-made lakes.**

FS, USPHS, 1946. 91 fr, color with disc: 16 in, 33 1/3 rpm, 16 min. Order no. 5-039.

Explains the measures used by the Tennessee Valley Authority to prevent mosquito breeding in its man-made lakes.

Borrow from USPHS-CDC. LC card FiE 53-905.

**Underwater demolition team.**

MP, USA, 1949. 9 min, sd, b&w. Order no. MF 7579.

Shows how a U.S. Navy underwater demolition team, consisting of skilled swimmers, locates and destroys mines and other obstacles, prior to an amphibious operation.

Borrow from USA or USN. Cleared for TV. LC card FiE 52-2203.

**Uniform code of military justice series.**

The code and you  
General court martial  
Non-judicial punishment  
Special court martial  
Summary court martial

**Union and the community.**

MP, USA-CAD 1951. 18 min, sd, b&w.

Portrays how a Union Council in Chester, Pa., helped develop social agencies needed by the community. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-2114.

**Union local.**

MP, USIA, 1951. 26 min, sd, b&w.

Presents a dramatized story of how a machinist's union presents its problems to management and how agreements are reached through discussion. Explains how union officers are elected, their responsibility to union members, and their function in labor-management meetings. Prepared for overseas use.

Buy from UWF. LC card FiE 53-8.

**The United Nations & world disputes.**

MP, US Defense, 1950. 21 min, sd, b&w. Order no. AFSR 123. Presents the part of the United Nations in attempting to resolve disputes in four countries (Indonesia, Palestine, India, and Korea) which have threatened world peace since 1945.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1413.

**United Nations campaign in north-east Korea.**

MP, USA, 1952. 25 min, ad, b&w. Order no. MF 7884.

Reviews the capture of Seoul and Pyongyang by United Nations forces in the fall of 1950 and describes, using combat footage, the role of the U.S. Army 10th Corps in the evacuation of Hungnam.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FiE 52-2068.

**UN counterattack.**

MP, US Defense, 1951. 17 min, sd, b&w. Order no. CB 111.

Military operations in Korea from May 20 to June 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1662.

**UN forces consolidate below 38th parallel.**

MP, US Defense, 1951. 20 min, sd, b&w. Order no. CB 106.

Military operations in Korea from December 20, 1950, to January 20, 1951.



Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1657.

**UN forces cross the 38th parallel.**  
MP, US Defense, 1951. 19 min, sd, b&w. Order no. CB 109.

Military operations in Korea from March 20 to April 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1660.

**UN forces escape trap.**

MP, US Defense, 1951. 16 min, sd, b&w. Order no. CB 105.

Military operations in Korea from November 20 to December 20, 1950.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1656.

**UN forces move north.**

MP, US Defense, 1951. 17 min, sd, b&w. Order no. CB 107.

Military operations in Korea from January 20 to February 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1658.

**UN offensive.**

MP, US Defense, 1950. 21 min, sd, b&w. Order no. CB 103.

Military operations in Korea from September 20 to October 20, 1950.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1654.

**UN offensive continues.**

MP, US Defense, 1951. 18 min, sd, b&w. Order no. CB 108.

Military operations in Korea from February 20 to March 20, 1951.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1659.

**UNESCO and Japan.**

MP, USA-CAD, 1951. 10 min, sd, b&w.

Explains the functions and operations of the United Nations Educational, Scientific and Cultural Organization, with special reference to its meaning for the Japanese people. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. LC card FIE 52-2113.

**U.S. Army safety program.**

MP, USA, 1954. 4 min, sd, b&w. Order no. MF 20-8356.

Depicts the presentation of the National Safety Council Award of Honor to the U.S. Army for its 1953 safety record.

Borrow from USA. LC card FIE 54-409.

**U.S. Army service clubs.**

FS, USA, 1954. 69 fr, b&w, with disc: 16 in, 33 1/3 rpm, 12 min. Order no. SFS 12-18.

Explains the functions and responsibilities of the service clubs of the U. S. Army.

Borrow from USA. LC card FIE 55-541.

**U.S. civil defense in action.**

MP, USFCDA, 1953. 13 min, sd, b&w.

Reviews what has been done and what needs to be done in civil defense; shows training operations in Los Angeles, Albuquerque, New York, and Providence; and explains how press, radio, and television assist in providing survival information to the public. Prepared especially for television.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FIE 53-119.

**U.S. forces in Europe.**

MP, US Defense, 1951. 17 min, sd, b&w. Order no. AFSR 127.

Explains why U.S. soldiers, sailors, and airmen are in Europe and describes U.S. efforts in rehabilitating the German people as contrasted with activities of the Russian occupation forces.

Borrow from USA or USAF. LC card FIE 55-165.



**U.S. Marine Air Reserve re-  
cruiting TV trailer no. 1.**

MP, USMC, 1953. 5 motion pic-  
tures on 1 reel, sd, b&w. Order  
no. MH 7915a-e.

1. Sports. 49 sec. 2. Officer  
procurement. 51 sec. 3. Marine  
Corps Reserve. 55 sec. 4. Ma-  
rine Air Reserve, part 1. 25  
sec. 5. Marine Air Reserve,  
part 2. 30 sec.

Borrow from USMC. Cleared for  
TV. LC card FIE 54-231.

**United States Naval Academy.**

MP, USN, 1947. 39 min, sd, color.  
Order no. MN 5318.

Portrayal of the Academy and of  
activities typical of midshipman  
life.

Borrow from USN. LC card FIE  
55-90.

**U.S. naval Arctic operations:  
Construction.**

MP, USN, 1949. 21 min, sd, color.  
Order no. MN 5377-e.

Problems encountered in con-  
struction work in the Arctic and  
how such problems have been  
solved.

Buy from UWF. LC card FIE  
52-1322.

**U.S. naval Arctic operations:  
Equipment.**

MP, USN, 1949. 22 min, sd, color.  
Order no. MN 5377-d.

Types of equipment used in con-  
struction and transportation in  
the Arctic, with modification and  
maintenance necessary for effi-  
cient operation.

Buy from UWF. LC card FIE  
52-1321.

**U.S. naval Arctic operations:  
Exploring for oil.**

MP, USN, 1948. 22 min, sd, color.  
Order no. MN 5377-c.

Geological and geophysical  
methods of exploring for oil in  
the Arctic; surveying by means  
of aerial magnetometer, gravity  
meter, and seismograph; tech-  
niques of core hole drilling and  
deep test well drilling.

Buy from UWF. LC card FIE  
52-1325.

**U.S. naval Arctic operations:  
Introduction.**

MP, USN, 1949. 22 min, sd, color.  
Order no. MN 5377-a.

Discusses general topography  
and climate of northern Alaska in  
summer and winter; problems of  
adequate clothing, food, and  
transportation as met by the  
Eskimos and White man.

Buy from UWF. LC card FIE  
52-1319.

**U.S. naval Arctic operations:  
Logistics.**

MP, USN, 1949. 33 min, sd, color.  
Order no. MN 5377-b.

Methods of logistic support of  
base camp, Point Barrow, Alas-  
ka; procedures for unloading and  
warehousing material in the Arc-  
tic; function of base camp and  
methods employed in logistic sup-  
port of satellite camps and mobile  
field parties with the Petroleum  
Reserve.

Buy from UWF. LC card FIE  
52-1320.

**U.S. Naval Reserve: Air Naval  
Reserve, the weekend warriors.**

MP, USN, 1950. 13 min, sd, b&w.  
Order no. MN 6827-a.

Traces the experience of a re-  
servist from boot training to his  
first cruise aboard a carrier.

Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 52-1257.

**U.S. Naval Reserve: Submarine  
Naval Reserve.**

MP, USN, 1951. 14 min, sd, b&w.  
Order no. MN 6827-c.

Portrays the enlistment of a  
young man into the Submarine  
Naval Reserve; follows his ex-  
periences during two summer  
cruises; and explains the physical  
and psychological characteristics  
required of submarine crews.  
Designed primarily for recruit-  
ing purposes.

Borrow from USN. Buy from  
UWF. Cleared for TV. LC card  
FIE 53-150.



**U.S. Naval Reserve: The surface reserve.**

MP, USN, 1950. 14 min, sd, b&w.  
Order no. MN 6827-b.

Explains the training and courses in the U.S. Naval Reserve, and shows some of the experiences of reservists during an annual two-week cruise.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 53-254.

**U.S. Navy armored life jacket.**

MP, USN, 1945. 7 min, sd, b&w.  
Order no. MN 9026.

Demonstrates how a bullet-proof fabric material called Doran can be used to protect Navy personnel against small arms fire.

Buy from UWF. LC card FIE 52-1272.

**U.S. Navy Dental Corps. Operative series.**

A technique for amalgam restoration

**U.S. Navy Dental Corps. Prosthesis series.**

The construction of a maxillary anterior fixed bridge

Construction of a partial maxillary and a mandibular plate

Indirect technique for the precision construction of crowns, bridges, and inlays

**The U.S. overseas information program.**

MP, USIA, 1954. 29 min, sd, color.

Describes the threat of Soviet propaganda and anti-American sentiment abroad and explains what the U. S. Government is doing, through the U. S. Information Agency, to deal with these problems. Scenes of U. S. overseas information operations--use of publications, information centers, motion pictures. Voice of America, and cooperation of American private groups.

Buy from UWF. Cleared for TV. LC card FIE 54-283.

**U.S. Quartermaster aerial supply operations.**

MP, USA, 1952. 18 min, sd, b&w. Order no. FB 241.

Shows transportation by air of supplies and equipment to battle fronts, including heavy 105mm howitzers and 3/4 ton trucks.

Borrow from USA. Cleared for TV. LC card FIE 55-198.

**U.S. weapons in combat.**

MP, USA, 1953. 15 min, sd, b&w. Order no. MF 7927.

Portrays weapons supplied by the United States to NATO (North Atlantic Treaty Organization) nations under the Mutual defense assistance program.

Buy from UWF. Cleared for TV. LC card FIE 53-158.

**United we stand.**

MP, US Defense, 1949. 22 min, sd, b&w. Order no. AFSR 112.

Pictures the American Legion convention at Philadelphia in August, 1949; Secretary of Defense Johnson's report on unification; Legion parade; Gen. Clay at the National Commander's dinner; and Philadelphia's historic shrines.

Buy from UWF. Cleared for TV. LC card FIE 52-1408.

**The unseen army.**

MP, USA, 1954. 23 min, sd, b&w. Order no. MF 45-8198.

Tells the story of civilian workers in the Ordnance Corps of the U.S. Army. Shows the scope, duties, and responsibilities of the Ordnance Corps with scenes of typical installations and activities.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 54-153.

**The upper extremity.**

MP, USN, 1944. 15 min, sd, color. (Amputations series, no. 3) Order no. MN 3429-c.

How to perform guillotine amputation on upper extremity. Shows specific operation of the supracondylar area of the arm; revision and reamputation of the



stump; and the technique of cine-plastic operation. Illustrates types of prostheses for upper extremity amputations. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1146.

**Upper extremity prosthetics.**  
MP, USVA, 1952. 23 min, sd, color.

Explains the prescription, fabrication, fitting, and harnessing of artificial arms; shows pre-prosthetic and prosthetic training activities; describes various devices and appliances; and discusses some of the adjustments related to the acceptance and use of artificial arms. For medical personnel.

Borrow from USVA. Buy from UWF. LC card FIE 53-116.

**Upstream where floods begin.**  
MP, USDA, 1954. 12 min, sd, b&w.

A filmograph dealing with the watershed protection work of the Soil Conservation Service. Explains how conservation land treatment and the construction of small upstream structures lessen the threat of flood damage and benefit the farming community.

Buy from UWF. Cleared for TV. LC card FIE 55-98.

**Urease crystallization.**  
MP, USA, 1948. 6 min, sd, color.  
Order no. PMF 5115.

The principal steps used to isolate the urealytic enzyme as performed by Dr. J. B. Sumner.

Borrow from USAFIP. LC card FIE 54-54.

**Uruguay.**  
MP, USOIAA, 1945. 19 min, sd, b&w.

Shows and describes the people and resources of Uruguay.

Rent from USOIAA film libraries. Buy from UWF. LC card FIE 52-692.

**Use and care of fiber rope.**  
MP, USN, 1945. 20 min, sd, b&w. (Shipbuilding skills series. Rigging) Order no. MN 2340-b.

Explains how to care for, inspect, and use fiber ropes; compares sisal, manila and jute; and shows methods of splicing and eyeing.

Buy from UWF. LC card FIE 52-1202.

**Use and care of hand tools. Part 1: Vises, screwdrivers, hammers, pliers.**

FS, USAF, 1944. 68 fr, b&w.  
Order no. FS 1-647.

Displays the different types of vises, screwdrivers, hammers, and pliers, and explains how to use and care for each type.

Borrow from USCAA film libraries. LC card FIE 53-1000.

**Use and care of wire rope.**  
MP, USN, 1944. 18 min, sd, b&w. (Shipbuilding skills series. Rigging) Order no. MN 2340-a.

Describes the construction, use, and protective qualities of wire rope; stresses importance of careful handling to avoid kinks; and explains seizing, the eye splice, friese fitting, and the thimble.

Buy from UWF. LC card FIE 52-1219.

**The use of aircraft for insect control. Part 1: Mosquito control.**

MP, USPHS, 1949. 13 min, sd, b&w. (Malaria control series) Order no. 4-077. With utilization guide.

Depicts the general techniques, materials, and equipment developed in the use of aircraft for mosquito control; and indicates the kind of situation in which such control may economically and feasibly be applied.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2259.

**The use of aircraft for insect control. Part 1: Mosquito control.**

FS, USPHS, 1949. 71 fr, b&w with disc: 16 in, 33 1/3 rpm, 14 min. (Malaria control series) Order no. 5-113.



Covers same material as in motion picture with the same title. Borrow from USPHS-CDC. Buy from UWF. LC card FIE 52-2984.

**Use of chemical materials as shark repellent.**

MP, USN, 1944. 13 min, sd, color. Order no. MN 9001.

Experimental work done by the Naval Research Laboratory in search for an effective shark repellent. Illustrates final results, manner of using repellent, and types of carriers.

Borrow from some film libraries. Withdrawn from sale in 1954. LC card FIE 52-1271.

**Use of improvised and regular stretchers.**

FS, USFCDA, 1953. 55 fr, b&w. Order no. STF 4.

Shows how to prepare a stretcher and to carry the stretcher with an injured person.

Buy from SVE. LC card FIE 53-514.

**The use of logs in farm buildings.**

FS, USDA, 1944. 50 fr, single or double, b&w. Order no. 648. With lecture notes.

Shows the use of logs in building construction on the farm. Includes photographs of structures built of logs.

Withdrawn from active circulation in 1952. LC card FIE 52-2912.

**Use of radio and visual signaling devices.**

MP, USCG, 1947. 19 min, sd, color. (Search and rescue series. Standardization of crew training for search and rescue craft) Order no. MG 5381-c.

Shows the rescue of men at sea in rafts by the U.S. Coast Guard SAR plane and ship, and the use of radio and visual signals during the afternoon and night.

Borrow from USCG. Cleared for TV. LC card FIE 52-679.

**Use of serum albumin.**

MP, USN, 1943. 6 min, sd, color. Order no. MN 2476.

Explains the medical value of serum albumin and demonstrates the preparation of the packaged outfit for use and the procedure for assembling and administering the serum.

Borrow from USN-BuMed. LC card FIE 54-298.

**Use of special electronic and visual search aids.**

MP, USCG, 1947. 10 min, sd, color. (Search and rescue series. Ocean station vessel crew training in search and rescue) Order no. MG 5380-d.

Shows a night search for plane survivors on rafts by a U.S. Coast Guard ocean station vessel and by a search and rescue plane.

Buy from UWF. Cleared for TV. LC card FIE 52-884.

**The use of warfarin in rodent control.**

FS, USPHS, 1952. 54 fr, color with disc: 16 in, 33 1/3 rpm, 6 min. Order no. F 74.

Explains the characteristics of the rodenticide, warfarin, its effectiveness, and methods of use.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 53-979.

**Use of whole blood, blood plasma, and serum albumin with special reference to shock.**

MP, USN, 1953. 15 min, sd, color. Order no. MN 7335.

Presents characteristics of shock and shock cycle. Schematic visuals provide information of blood components used to combat shock and background information of blood and structure of the circulatory system.

Buy from UWF. LC card FIE 54-299.

**Use your ashtray.**

MP, USDA, 1953. 40 sec, sd, b&w. (Smokey Bear forest fire prevention, series 3--"pledge" trailers--no. 2).

Explains the importance, while driving through forests, of using the ashtray in an automobile to



extinguish matches and cigarettes. Prepared for television use.

Borrow from USFS. Cleared for TV. LC card FIE 53-596.

**Use your head.**

MP, USN, 1945. 6 min, sd, b&w. (Ten commandments for health series) Order no. MN 2808-g.

Animated cartoon in which "Mac Gillicuddy" spreads dysentery by his refusal to use the latrine.

Borrow from USN-BuMed. Buy from UWF. LC card FIE 52-1174.

**Useful knots.**

MP, USN, 1942. 23 min, sd, b&w. Order no. MN 70.

Demonstrates how to tie the overhand knot, square knot, bowline, sheep bend, half hitch, clove hitch on a pile, clove hitch on a cleat, and rolling hitch.

Buy from UWF. LC card FIE 52-1015.

**Using animals in the laboratory.**

FS, USPHS, 1953. 68 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Basic laboratory training for nonprofessional workers, no. 4) Order no. F 106-d.

Shows methods of handling rats, hamsters, guinea pigs, rabbits, and chicks for such purposes as giving injections, making venous punctures, taking temperatures, and giving medication.

Borrow from USPHS-GDC. Buy from UWF. LC card FIE 54-703.

**Using a boring bar between centers: Work held on carriage.**

MP, USOE, 1944. 22 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 16) Order no. OE 64. With instructor's manual.

How to set up a boring bar between centers of a lathe; clamp an irregular workpiece on a lathe carriage; mount, adjust, and use a boring bar between centers of the lathe; and align the workpiece center with the lathe centerline.

Buy from UWF. LC card FIE 51-528.

**Using a boring bar between centers: Work held on carriage.**

FS, USOE, 1944. 33 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 16) Order no. OE 64-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-33.

**Using a follower rest.**

MP, USOE, 1943. 21 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 15) Order no. OE 63. With instructor's manual.

Description and uses of the follower rest; how to mount the follower rest on the lathe; adjust the jaws of the follower rest to the work; and lubricate the work to prevent damage to the jaws and workpiece.

Buy from UWF. LC card FIE 51-529.

**Using a follower rest.**

FS, USOE, 1943. 30 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 15) Order no. OE 63-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-34.

**Using a ladder as a stretcher.**

FS, USFCDA, 1953. 37 fr, b&w. Order no. STF 6.

Shows how to use a ladder as an improvised stretcher in moving an injured person.

Buy from GVE. LC card FIE 55-516.

**Using a portable spray gun.**

MP, USOE, 1945. 26 min, sd, b&w. (Aircraft work series. Finishing) Order no. OE 289. With instructor's manual.

How the pressure tank operates; how to clean portable spray guns; adjust paint, spray, and air controls; stroke while painting; and use the suction type spray gun.



Buy from UWF. LC card FIE 52-91.

**Using a portable spray gun.**

FS, USOE, 1945. 49 fr, b&w. (Aircraft work series. Finishing) Order no. OE 289-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2605.

**Using a shell end mill.**

MP, USOE, 1943. 21 min, sd, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 1) Order no. OE 72. With instructor's manual.

How the vertical milling machine differs from other milling machines; how to produce a flat surface with a shell end mill; use the sliding head; what speed and feed are, and how to calculate them.

Buy from UWF. LC card FIE 51-570.

**Using a shell end mill.**

FS, USOE, 1943. 20 fr, b&w. (Machine shop work series. Operations on the vertical milling machine, no. 1) Order no. OE 72-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-74.

**Using a steady rest.**

MP, USOE, 1943. 25 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 14) Order no. OE 62. With instructor's manual.

Description and uses of the steady rest; how to spot the work for the location of the steady rest; mount the steady rest on the lathe; and adjust the jaws of the rest to the work.

Buy from UWF. LC card FIE 51-511.

**Using a steady rest.**

FS, USOE, 1943. 34 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 14) Order no. OE 62-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-31.

**Using a steady rest when boring.**

MP, USOE, 1944. 21 min, sd, b&w. (Machine shop work series. Operations on the engine lathe, no. 17) Order no. OE 65. With instructor's manual.

How to mount a long casting on a lathe faceplate; turn a true bearing spot for supporting the workpiece with a steady rest; and how boring, turning, and forming operations are performed when work is supported by a steady rest.

Buy from UWF. LC card FIE 51-512.

**Using a steady rest when boring.**

FS, USOE, 1944. 39 fr, b&w. (Machine shop work series. Operations on the engine lathe, no. 17) Order no. OE 65-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 51-32.

**Using ladders in rescue.**

FS, USFCDA, 1953. 48 fr, b&w. Order no. STF 7.

Shows how to assist an injured person down a ladder, lower an unconscious person by means of a life basket, and use a ladder to move a casualty from one building to another.

Buy from SVE. LC card FIE 55-521.

**Using visual aids in training.**

MP, USOE, 1944. 14 min, sd, b&w. (Problems in supervision series) Order no. OE 167. With instructor's manual.

An instructor, teaching his class the use of the micrometer, follows a carefully planned procedure involving the use of a training motion picture, a coordinated filmstrip, and an instructor's manual.

Buy from UWF. LC card FIE 52-84.



**El uso del soporte fijo.**

MP, USOE, 1945. 25 min, sd, b&w. Order no. OE 62-Sp. Spanish version of motion picture with title, Using a steady rest.

Description and uses of the steady rest; how to spot the work for the location of the steady rest; mount the steady rest on the lathe; and adjust the jaws of the rest to the work.

Buy from UWF. LC card FIE 51-556.

**Uterine cancer: The problem of early diagnosis.**

MP, USPHS and ACS, 1951. 21 min, sd, color. With booklet.

A teaching film on the early diagnosis of uterine cancer through visualization of the cervix, bimanual palpation, tissue biopsy where indicated, and routine vaginal and selective cervical smears. For general practitioners, residents, interns, medical students in their clinical years.

Borrow from ACS or USPHS-NCI. Buy from ACS. LC card FIA 52-171.

**VD--Taking chances.**

MP, USN, 1952. 11 min, sd, b&w. Order no. MN 6918-a.

Explains the medical facts of venereal disease. Through animation shows the physical effects of the disease, and through an amusement park sequence encourages the establishment of group spirit of men on liberty. Illustrates numerically the odds on taking chances with venereal disease.

Borrow from USN-BuMed. LC card FIE 54-154.

**VDRL tests for syphilis.**

FS, USPHS, 1952. 100 fr, b&w with disc: 16 in, 33 1/3 rpm, 19 min. Order no. F 122.

Shows the procedures, techniques, and equipment pertaining to VDRL (venereal disease research laboratory) tests, including preparation of the basic antigen emulsion and procedures for the slide and tube flocculation

tests for serum and for the spinal fluid test.

Borrow from USPHS-CDC. Buy from UWF. LC card FIE 54-726.

**VHF airborne radio set SCR-522.**

MP, USAF, 1944. 24 min, sd, b&w. Order no. TF 1-3380.

Explains the inspection and checking of radio transmitting and receiving sets in both plane and repair shop.

Borrow from USCAA film libraries. LC card FIE 53-393.

**VT bomb and rocket fuses.**

MP, USA, 1945. 25 min, sd, b&w. Order no. FB 197.

Demonstrates operations of proximity bomb and rocket fuses over land and water; method of arming; and safety precautions to be observed.

Borrow from USA. Buy from UWF. LC card FIE 52-1676.

**V-2 rocket: Assembling and launching.**

MP, USA, 1947. 20 min, sd, b&w. Order no. FB 219.

Shows the experimental work in V-2 rockets being carried on at White Sands, New Mexico.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FIE 52-1677.

**V-2 rocket: Assembling and launching.**

MP, US Defense, 1948. 11 min, sd, b&w. Order no. AFSR 92.

Short version of 20-minute film with same title. On same reel with film, Task Force Frigid.

Experimental work in V-2 rockets being conducted at White Sands, New Mexico. Prepared for use by U. S. Armed Forces personnel.

Borrow from USA. Buy from UWF. Cleared for TV. LC card FIE 53-311.

**Vaccinate against smallpox.**

MP, USILAA, 1947. 8 min, sd, color.

Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure



technique; and shows how smallpox disappears from communities where all people are vaccinated.

Buy from USHIAA. Cleared for TV. LC card FIE 52-494.

**La vacuna; o, Defensa contra la invasión.**

MP, USOIAA, 1943. 13 min, sd, color. Spanish version of motion picture with title, Defense against invasion.

Explains how vaccination makes the body immune to certain diseases. Animated cartoon.

Buy from USHIAA. Cleared for TV. LC card FIE 52-538.

**Vacuum tubes.**

FS, USN, 1942. 37 fr, b&w. Order no. SN 650.

Describes the theory of operation of vacuum tubes and their function in the radio circuit.

Borrow from USCAA film library. Buy from UWF. LC card FIE 52-1870.

**Vacuum tubes: Electron theory and the diode tube.**

MP, USAF, 1942. 16 min, sd, b&w. Order no. TF 1-470.

Explains electron behavior in matter, electron sources in vacuum tubes, symbols of tubes, functioning of tube in a circuit, and effect of plate voltage changes, space charge, and diode and duo-diode as reflectors.

Buy from UWF. LC card FIE 52-1486.

**Vagotomy for duodenal ulcer.**

MP, USA, 1947. 11 min, sd, color. Order no. PMF 5064.

Demonstrates the preoperative, surgical, and postoperative phases in the performance of a vagotomy. Explains the surgical program undertaken in cases of duodenal ulcers which are difficult to control under medical regime.

Borrow from USAFIP. LC card FIE 54-42.

**Valley of the giant.**

MP, USA-Eng, 1949. 29 min, sd, color or b&w.

Portrays and explains the flood control plan, as of 1949, for the lower Mississippi River Valley. Borrow from USA-Eng. Buy from UWF. Cleared for TV. LC card FIE 52-1981.

**Valley of the Tennessee.**

MP, USOWI, 1944. 29 min, sd, b&w.

Shows the need for conservation in the Tennessee River Valley, the origin of the TVA, the building of the dams, and the influence of the TVA on the lives of the people in the Valley. Prepared for overseas use.

Borrow from TVA. Buy from UWF. LC card FIE 52-749.

**Valve types and reversing gears.**

FS, USCG, 1943. 62 fr, b&w. Order no. SCG 176-a.

Explains eccentric action, the construction and functions of various valves and gears, and how the reversing of an engine is accomplished.

Buy from UWF. LC card FIE 52-806.

**Vaned elbow: Layout and fabrication.**

MP, USN, 1944. 29 min, sd, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. MN 2339-a. Shows how to make a vaned elbow for a ship's ventilation system; illustrates development of the rough sketch, parallel lines, templates, elbow and vane sections, and the final welding.

Buy from UWF. LC card FIE 52-1235.

**Vaned elbow: Layout and fabrication.**

FS, USN, 1943. 60 fr, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. SN 2339-n.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-1792.



**The Varanger-Dora Weems incident.**

MP, USN, 1943. 4 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-o.

Collision of the Varanger and the Dora Weem; and the causes therefor.

Buy from UWF. LC card FiE 52-945.

**Variola.**

MP, USIAA, 1947. 8 min, sd, color. Portuguese version of motion picture with title, Vaccinate against smallpox.

Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.

Buy from USIAA. Cleared for TV. LC card FiE 52-508.

**Vascularization of the liver.**

See The liver. Part 1: Normal histology of the human liver. Chapter 2: Vascularization of the liver.

**Vascular injuries.**

MP, USA, 1952. 44 min, sd, color. Order no. PMF 5180.

Shows the diagnosis and effect of two traumatic injuries; demonstrates preoperative measures, and techniques of arterial repair. Borrow from USAFIP. LC card FiE 54-62.

**Vectographs, laboratory procedures.**

MP, USN, 1942. 21 min, sd, b&w. Order no. MN 941.

Defines the vectograph, shows equipment used, and demonstrates the proper procedure for making a vectograph transparency.

Buy from UWF. LC card FiE 52-1020.

**Vectors.**

MP, USN, 1945. 12 min, sd, b&w. (Radio technician training series) Order no. MN 1540-n.

Explains vectors, changes in angle or magnitude, how vectors

are plotted, and how the resultant is found.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-929.

**Vehicle loading and stowing.**

MP, USA, 1943. 15 min, sd, b&w. (Military stevedoring series, no. 6) Order no. TF 55-1119.

Shows how to load jeeps, trucks, tanks, and locomotives aboard ship; how to use nets, straps, and dunnage for lifting; and soap, grease, and blocks in stowing vehicles.

Borrow from USA. Buy from UWF. LC card FiE 52-1588.

**Venereal disease control series in the U.S. Navy.**

A letter to Mary  
The story of the DE-733

**Venereal disease and tuberculosis survey in Georgia.**

FS, USPHS, 1948. 112 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. Order no. 5-121.

Explains the procedures in initiating and conducting a combination venereal disease and tuberculosis survey in Georgia.

Borrow from USPHS-CDC. LC card FiE 53-936.

**Venereal disease facts: It's up to you.**

MP, USN, 1946. 21 min, sd, b&w. Order no. MN 38-b.

Through flashbacks to other Navy films reviews the importance of the use of preventives against venereal disease. Through animation and shots of actual cases, demonstrates what happens to a person when he is infected.

Borrow from USN-BuMed. LC card FiE 54-155.

**Venezuela.**

MP, USOIAA, 1942. 10 min, sd, color. (South American medley series, no. 1)

Trip through the Andes from the Port at La Guaira to the capital city of Caracas, with references to the history of the country.



Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE  
52-691.

**Venezuela moves ahead.**  
MP, USOIAA, 1942. 36 min, sd,  
color.  
Overall treatment of Venezuela  
including history, geography,  
agriculture, and industry of the  
country.

Rent from USOIAA film libraries.  
Buy from UWF. LC card FIE  
52-690.

**Vera Cruz.**  
MP, USOIAA, 1943. 19 min, sd,  
color.  
Tourist view of Mexico's pro-  
vince of Vera Cruz.

Rent from USOIAA film libraries.  
Buy from UWF. LC card  
FIE 52-689.

**Verniers.**  
MP, USOE, 1941. 19 min, sd, b&w.  
(Machine shop work series. Pre-  
cision measurement no. 4) Order  
no. OE 4. With instructor's man-  
ual.

Principle of the vernier scale and  
its application to a micrometer  
and to inside and outside calipers;  
how to use and read vernier  
micrometers and vernier call-  
pers.

Buy from UWF. LC card FIE  
51-7.

**Verniers.**  
FS, USOE, 1943. 37 fr, b&w.  
(Machine shop work series. Pre-  
cision measurement, no. 4) Or-  
der no. OE 4-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
51-8.

**Verticle drill series.**  
See Machine shop work series.  
Operations on the drill press.  
Vertical drill.

**Vertical welds, steel.**  
FS, USN, 1942. 41 fr, b&w. Order  
no. SN 130.

An aircraft machine shop demon-  
stration film which shows the

principles of torch manipulation  
making vertical welds on steel.  
Buy from UWF. LC card FIE  
52-1832.

**The vesicants.**  
FS, USA, 1944. 44 fr, color.  
(Chemical warfare injuries se-  
ries. Prophylaxis and therapy,  
no. 3) Order no. FS 8-67.  
Pictures typical injuries of the  
eyes, skin, and respiratory tract  
caused by lewisite and nitrogen  
mustards; shows the progress of  
lesions under treatment, but not  
therapeutic procedures. For  
medical personnel.  
Borrow from USAFIP. LC card  
FIE 53-818.

**The vesicants.**  
FS, USA, 1944. 57 fr, color.  
(Chemical warfare injuries se-  
ries. Prophylaxis and therapy,  
no. 2) Order no. FS 8-66.  
Illustrates typical injuries of the  
eyes, skin, and respiratory tract  
due to mustard vapor and liquid  
mustard; shows the progress of  
lesions; and pictures the results  
of prophylaxis and therapy, but  
not therapeutic procedure. For  
medical personnel.  
Borrow from USAFIP. LC card  
FIE 53-819.

**Vesicular diseases of animals.**  
MP, USDA, 1951. 11 min, sd,  
color. Revision of 1944 film with  
the same title.

Shows typical condition of hogs  
affected with vesicular stoma-  
titis. Photographed at the Animal  
Disease Station, Agricultural Re-  
search Center, Beltsville, Md.  
Revision contains current meth-  
ods used in detecting the disease.  
Rent from USDA film libraries.  
Buy from UWF. LC card FIE  
52-2132.

**Vesicular exanthema.**  
MP, USDA, 1954. 16 min, sd,  
color.  
Story of the outbreak of vesicular  
exanthema in 1952; its rapid  
spread, and measures taken to  
control it. Shows disease symp-  
toms; depicts differential diag-



nostic field tests, and reviews federal, state, industry cooperation in eradication efforts.

Borrow from USARS. Rent from USDA film libraries. Cleared for TV. LC card FIE 54-401.

**The veteran becomes a farmer.**  
MP, USOE, 1946. 28 min, sd, b&w. Order no. OE 398. With instructor's manual.

How individuals and groups in a farm community cooperate in giving help and counsel to a veteran wishing to become a farmer.

Buy from UWF. LC card FIE 52-316.

**Veterans and the land.**

MP, USDA, 1946. 21 min, sd, b&w.

Gives an overview of the different kinds of farming; explains what a farmer has to know and be able to do; and gives advice to veterans who wish to become farmers.

Rent from USDA film libraries. LC card FIE 52-384.

**Veterinary food inspection service, Part 2: Theater of operations.**

MP, USA, 1949. 16 min, sd, b&w. Order no. FB 228.

Methods used by the U.S. Army in the inspection of meat from its arrival at overseas ports until its issue to front-line troops.

Borrow from USA or USAFIP. Buy from UWF. Cleared for TV. LC card FIE 52-1681.

**Veterinary preventive medicine.**

MP, USA, 1950. 17 min, sd, b&w. Order no. TF 8-1566.

Describes the operations of veterinary service in the prevention of animal epidemics and troop food poisoning.

Borrow from USAFIP. LC card FIE 54-79.

**Veterinary service with army animals series, nos. 1-3.**

Introduction and remount service  
Evacuation and treatment of animal casualties

Injuries and disease of army animals, World War II

**Veterinary services.**

MP, USAF, 1953. 28 min, sd, color. Order no. TF 1-4892.

Explains the functions and duties of the U.S. Air Force Veterinary Services in the inspection and acceptance or rejection of food and the maintenance of cleanliness of personnel and equipment.

Borrow from USAF. Cleared for TV. LC card FIE 55-118.

**Vice-President Nixon, ambassador of friendship.**

MP, USIA, 1954. 37 min, sd, b&w.

Pictorial record of the 1953 trip of Vice-President and Mrs. Richard M. Nixon to the countries of Asia and the Middle East. The Vice-President introduces the film and, at the conclusion, sums up his impressions of his trip. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 54-256.

**Vicious circle.**

MP, USDA, 1954. 21 min, sd, color.

Discusses, through a dramatized story of a young farmer, the avian type of tuberculosis and its destructiveness among chickens and hogs. Indicates the difficulty of detecting the disease in poultry flocks, and recommends prevention and control measures including separation of poultry and swine.

Borrow from USARS. Rent from USDA film libraries. Cleared for TV. LC card FIE 54-343.

**Victory at Thermopylae.**

MP, USEGA, 1950. 10 min, sd, b&w.

The development, with American technical assistance, of a new rice-growing industry in Greece. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FIE 53-574.

**The victory division: 24th Infantry.**

MP, USA, 1950. 17 min, sd, b&w. Order no. MF 7722.

History of the 24th Infantry Division in the Pacific area during World War II.



Borrow from USA. Buy from UWF. LC card FiE 52-2057.

**Victory at Tarai.**

MP, USIA, 1952. 10 min, sd, b&w.

A sequel to the motion picture, *Battle in the Tarai*, portraying the same family and emphasizing the values of cooperative enterprise in the reclamation of Tarai. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FiE 53-507.

**Victory in the air.**

MP, USAF, 1945. 15 min, sd, b&w. Order no. SFP 187.

Explains the uses made by the Army Air Forces of materials produced by civilian workers during World War II. Stresses the importance of continuous research and development.

Borrow from USA or USAF. LC card FiE 54-332.

**The village that wouldn't die.**

MP, USECA, 1950. 13 min, sd, b&w.

The story of how the people of Aunay-sur-Adon built and lived in a shanty town on the site of their village, demolished during the Normandy invasion, until they were able, with the help of Marshall aid, to erect a modern town. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-560.

**Village without water.**

See *Town without water.*

**Viral hepatitis.**

MP, USA, 1953. 21 min, sd, b&w. Order no. FG 8-6.

Defines viral hepatitis, gives physical findings, and shows how the physical examination is confirmed by laboratory diagnosis. Illustrates treatment, and causes for relapse. Discusses differential diagnosis of hepatitis, with and without jaundice. Explains the mode of transmission.

Borrow from USAFIP. LC card FiE 54-32.

**La viruela.**

MP, USIAA, 1947. 8 min, sd, color. Spanish version of motion picture with title, *Vaccinate against smallpox.*

Explains the necessity for vaccination against smallpox; demonstrates the multiple pressure technique; and shows how smallpox disappears from communities where all people are vaccinated.

Buy from USIAA. Cleared for TV. LC card FiE 52-511.

**Visual day signals.**

MP, USN, 1943. 14 min, sd, color. (Rules of the nautical road series) Order no. 202-1.

Shows international day signals for ships not under command, inland day signals, and various other signals.

Buy from UWF. LC card FiE 52-939.

**Visual flight rules.**

MP, USN, 1951. 22 min, sd, color. Order no. MN 6914.

Explains and illustrates Civil Air Regulations, part 60, as they apply to naval aviators while flying under VFR clearances.

Borrow from USCAA film libraries or USN. Buy from UWF. Cleared for TV. LC card FiE 52-2143.

**Visualizing an object.**

MP, USOE, 1945. 9 min, sd, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 1) Order no. OE 51. With instructor's manual.

How a blueprint is developed; how dimensions are shown by different views; and how special information is indicated on a blueprint.

Buy from UWF. LC card FiE 51-501.

**Visualizing an object.**

FS, USOE, 1948. 39 fr, b&w. (Machine shop work series. Fundamentals of blueprint reading, no. 1) Order no. OE 51-fs. Supplements motion picture with the same title.



Buy from UWF. LC card FIE 51-21.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure.**

MP, USOE, 1945. 32 min, sd, b&w. (Nursing series) Order no. OE 406. With instructor's manual.

Physiology of the respiratory, heat regulatory, and circulatory systems and their inter-relationships; how to ascertain and record the vital signs--temperature, pulse, respiration, and blood pressure.

Buy from UWF. LC card FIE 52-412.

**The vital signs and their interrelation: Body temperature, pulse, respiration, blood pressure.**

FS, USOE, 1945. 81 fr, b&w. (Nursing series) Order no. OE 406-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2925.

**Vivax malaria.**

FS, USPHS, 1948. 76 fr, color with disc: 16 in, 33 1/3 rpm, 17 min. Order no. 5-043.

Explains the distribution, clinical manifestations, diagnosis, treatment, and prevention of vivax malaria.

Borrow from USPHS-CDC. LC card FIE 53-909.

**Voices of a choir.**

MP, USIA, 1951. 24 min, sd, b&w. Tells the story of the Bach festival held annually each spring in Bethlehem, Pa., and records a performance of the Bach Choir composed of many members of the community. Prepared for overseas use.

Buy from UWF. LC card FIE 52-2134.

**Voices of the people.**

MP, USA, 1949. 18 min, sd, b&w. Order no. OF 36.

Includes a discussion of the importance of freedom of speech; a tour of the Freedom Train; and a portrayal and discussion of the Declaration of Independence and Bill of rights.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1718.

**Volt ohmmeter operation.**

MP, USN, 1944. 15 min, sd, b&w. (Radio technician training series) Order no. MN 1540-s.

Shows how to operate a volt ohmmeter (Weston and other types) to measure ohms and volts.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-930.

**Voltaic cell, dry cell, and storage battery.**

MP, USA, 1943. 18 min, sd, b&w. (Electricity and magnetism series, no. 3) Order no. TF 11-1187. Explains the principles of a voltaic cell, a dry cell, and a storage battery.

Borrow from USA or USAF. Buy from UWF. LC card FIE 52-1561.

**Voyage to recovery.**

See Rehabilitation: Voyage to recovery.

**WAC physical fitness rating.**

FS, USA, 1944. 40 fr, b&w, with disc: 16 in, 33 1/3 rpm, 15 min. Order no. SFS 8-96.

Explains the importance of physical fitness, the items in the physical fitness rating, and the statistical method of determining a specific rating.

Borrow from USAFIP. LC card FIE 54-724.

**Waves at work.**

MP, USN, 1953. 17 min, sd, color. Order no. MN 7413.

Shows enlisted Waves performing various duties, including those of hospital corpsman, dental technician, radioman, air controlman, storekeeper, and tradesman.

Borrow from USN. Cleared for TV. LC card FIE 53-553.



**War comes to America.**

MP, USA, 1945. 67 min, sd, b&w.  
(Why we fight series) Order no. OF 7.

Reviews briefly the history of the United States; describes the characteristics, habits, and beliefs of the American people; and explains the events from 1931 to 1941, that led to the United States entry into World War II.

Buy from UWF. LC card FiE 52-1713.

**War of Independence, 1775-1783.**

MP, USN, 1952. 22-min, sd, color.  
(History of the United States Navy series) Order no. MN 6943-a.

Presents through still pictures, using the filmograph technique, the general movements of the Continental Army and Navy from 1775 to 1783. Depicts the founding of the Navy, the battle of Valcour Island, John Paul Jones, and Washington's strategy at Yorktown.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 53-117.

**The war speeds up.**

MP, USA, 1944. 18 min, sd, b&w.  
Order no. MF 1077.

Illustrates how soldiers in combat depend on the "big four"--artillery, bombs, trucks, and tires.

Buy from UWF. LC card FiE 52-1603.

**Ward care of pneumonia patients.**

MP, USA, 1950. 23 min, sd, b&w.  
Order no. TF 8-1650.

Discusses the care of pneumonia patient by nurses and medical clerks; emphasizes the mechanics and operation of the sky-tent; calls attention to the rules of positive health.

Borrow from USAFIP. LC card FiE 54-83.

**Ward care of psychotic patients.**

MP, USA, 1945. 44 min, sd, b&w.  
Order no. TF 8-2090.

Discusses the duties of ward attendants and methods of caring

for psychotic patients in closed wards.

Borrow from USAFIP. LC card FiE 54-88.

**Ward management and nursing.**

Part 1: Ward management temperature, pulse, respiration, bed making, and bathing.

FS, USA, 1944. 72 fr, b&w. Order no. FS 8-81.

Shows simple operations of nursing procedure that the enlisted man assigned to duty in the hospital ward may be called upon to perform.

Borrow from USAFIP. LC card FiE 53-813.

**The warden post message center.**

FS, USFCDA, 1953. 60 fr, color with disc: 12 in, 33 1/3 rpm, 12 min. Order no. 11. With training bulletin.

Explains how to locate message centers in a warden post, select personnel for these centers, and equip and operate the centers.

Borrow from USFCDA. Buy from SVE. LC card FiE 55-532.

**The warden's responsibility for emergency sanitation measures.**

FS, USFCDA, 1953. 58 fr, color with disc: 12 in, 33 1/3 rpm, 12 min. Order no. 7. With training bulletin.

Explains the sanitation responsibilities of a civil defense warden concerning water, food sanitation, sewage and rubbish disposal, insect and rodent control, incidence of disease and radiological defense.

Borrow from USFCDA. Buy from SVE. LC card FiE 55-528.

**The warm front.**

MP, USN, 1943. 21 min, sd, color.  
(Aerology series) Order no. MN 119-1.

Describes the meeting boundaries of warm and cold air; shows how dangerous stratified layers of clouds are formed and how to plan a course around them; discusses types of visibility, precipitation, ceiling conditions, and



their locations; explains cirrus, cirrostratus, and alto-stratus clouds.

Borrow from USCAA film libraries. Withdrawn from sale in 1950. LC card FiE 54-333.

**The warning shadow.**

MP, USPHS and ACS, 1953. 17 min, sd, color.

Describes the first of many successful pneumonectomies for lung cancer as performed in St. Louis in 1933 by Dr. Everts A. Graham. Explains the importance of semi-annual chest X-rays for men over 45 years of age to facilitate early diagnosis and cure of lung cancer. Borrow from ACS. Buy from ACS. LC card FIA 53-331.

**Wartime nutrition.**

MP, USOWI, 1943. 10 min, sd, b&w.

Gives nutritional rules to be followed when eating in factories, restaurants, and cafeterias.

Withdrawn from sale in 1954. Rent from some film libraries. LC card FiE 52-751.

**Washington and its natural resources.**

MP, USBM, 1952. 26 min, sd, color. Order no. 246.

Shows scenes of land, water, minerals, and forests, and the diversified agriculture and industry based upon them.

Borrow from USBM. Cleared for TV. LC card FiE 52-674.

**Watchdog of the Air Force dollar.**

MP, USAF, 1952. 12 min, sd, b&w. Order no. SFP 286.

Explains the activities of the Auditor General as part of the staff organization of the Comptroller, U.S. Air Force; and describes the procedures followed to insure economical expenditure of the Air Force funds.

Borrow from USAF. Cleared for TV. LC card FiE 52-2171.

**Water.**

MP, USDA, 1948. 11 min, sd, b&w. (School films series, no. 2) With teacher's guide.

Explains that water is necessary to all life; shows agricultural conditions during droughts and during floods on uncovered land; makes the point that too much rain can be as destructive as too little rain; and emphasizes the need for soil conservation practices.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-55.

**Water for a nation.**

MP, USDA, 1949. 19 min, sd, b&w.

Explains that the farmer depends upon water for his crops and livestock and that the nation depends upon farmers to protect the water supply through soil- and water-conservation practices. Shows examples of such conservation practices on farms and ranches. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-439.

**Water, friend or enemy.**

MP, USOLAA, 1943. 10 min, sd, color.

Stresses the importance of pure water; illustrates correct measures in keeping spring and well water from being contaminated; and suggests boiling of water as a final precaution. Animated cartoon.

Buy from USOLAA. Cleared for TV. LC card FiE 52-506.

**Water in the West.**

MP, USBR, 1951. 26 min, sd, b&w.

Describes the need for and the history of water resource developments in the West to transform the desert into a productive region.

Borrow from USBR. Buy from UWF. Cleared for TV. LC card FiE 52-2174.

**Water on the fire.**

MP, USDA, 1953. 27 min, sd, color.

Demonstrates effective and economical ways to use water in extinguishing various types of burning fuels in the forests of eastern United States.



Borrow from USFS. Buy from UWF. Cleared for TV. LC card FiE 53-148.

**Water on the land.**

MP, USIAA, 1947. 9 min, sd, color.

Explains the values of irrigation in farming and demonstrates some simple irrigation methods. Borrow from USIAA. Cleared for LC card FiE 52-559.

**Water purification: Diatomite filter system, installation, operation, and maintenance.**

MP, USN, 1953. 17 min, sd, color. Order no. MN 7489-b.

Describes the installation, operation, and maintenance of diatomite filters, including the equipment and the preparation of the chemicals. Also shows the "batch method" of pretreating raw water for high turbidity using soda ash and alum.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-156.

**Water purification, introduction.**

MP, USN, 1953. 10 min, sd, color. Order no. MN 7489-a.

Emphasizes the importance of disinfecting water; explains the various sources of water and the steps required to provide a safe water supply; and mentions briefly diatomite filters and distilling equipment.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-157.

**Water purification: Vapor compression distillation.**

MP, USN, 1953. 15 min, sd, color. Order no. MN 7489-c.

Shows how fresh water is obtained from sea water, including installation of the distillation unit, the process (by animation) of converting sea water to a distillate, and methods of cleaning the evaporator.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-158.

**Water supply and purification.**

FS, USA, 1943. 64 fr, b&w. Order no. FS 8-62.

Provides illustrative material for use in the instruction of proper methods of field water supply and purification. Shows water supply of storage, purification, and distribution.

Borrow from USAFIP. LC card FiE 53-829.

**Water wisdom.**

MP, TVA, 1953. 20 min, sd, color. Illustrates through dramatized incidents the results of carelessness by swimmers and fishermen on inland lakes, particularly those made from the damming of streams and rivers in the Tennessee Valley.

Borrow from TVA. Buy from HPI. Cleared for TV. LC card FiE 53-647.

**Waters of Coweeta.**

MP, USDA, 1953. 20 min, sd, color or b&w.

Illustrates and explains the research being carried on at the hydrologic laboratory in the Coweeta Experimental Forest in the Nantahala Mountains of North Carolina, with particular emphasis upon the relationship between watershed practices and the flow of water in streams.

Borrow from USFS; Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 53-149.

**Watertight covers.**

FS, USN, 1944. 57 fr, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. SN 2339-o.

Supplements motion pictures with the titles: Watertight cover: part 1, Layout and fabrication; part 2, Assembly.

Buy from UWF. LC card FiE 52-1793.

**Watertight covers. Part 1: Layout and fabrication.**

MP, USN, 1944. 14 min, sd, b&w. (Shipbuilding skills series. Sheetmetal work) Order no. MN 2339-b.



Shows how to construct a type F round watertight cover; the over-all fabrication of lid, hinge, collar, gasket and combing; and the complete cover ready for assembly.

Buy from UWF. LC card FiE 52-1216.

**Watertight covers. Part 2: Assembly.**

MP, USN, 1943. 15 min, sd, b&w. (Shipbuilding skills series. Sheet-metal work) Order no. MN 2339-c.

How to weld and assemble combing, lid and collar, locking device, dogs, hinge, screen, and rubber gasket.

Buy from UWF. LC card FiE 52-1217.

**Waxing dentures.**

FS, USN, 1949. 36 fr, color with disc: 16 in, 33 1/3 rpm, 10 min. (Dental prosthetic laboratory techniques series) Order no. SN 5372-e.

Describes steps involved in adding and contouring wax around teeth and over base plate to furnish a likeness of the finished denture. For dental personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1811.

**We, the Japanese people.**

MP, USA-CAD, 1952. 25 min, sd, b&w.

Shows some of the democratic changes the Japanese people have adopted since 1945. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. Cleared for TV. LC card FiE 52-2115.

**Wealth of the Andes.**

MP, USOIAA, 1943. 19 min, sd, color.

A trip, via the Central Railway of Peru, to the Cerro de Pasco mining district deep in the mountains of Peru. Explains that copper and lead constitute the "wealth of the Andes."

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-688.

**Wearing of the uniform.**

MP, USA, 1948. 20 min, sd, b&w. Order no. TF 19-1485.

Shows how smart appearance while wearing the uniform and good personal conduct of the individual soldier affect his well-being.

Borrow from USA. Buy from UWF. LC card FiE 52-1573.

**Weather.**

FS, USN, 1942. 50 fr, b&w. Order no. SN 808.

Explains the development of high- and low-pressure areas, and cold fronts. Explains the measures to be taken by the pilot as he encounters these conditions.

Borrow from USCAA film libraries. LC card FiE 54-798.

**Weather and radar.**

MP, USN, 1953. 17 min, sd, b&w. (Aerology series) Order no. MN 119-1.

Illustrates some of the operational values to be gained by using radar in locating and identifying weather disturbances, including cold fronts, warm fronts, thunderstorms, typhoons, and hurricanes. Characteristic echo patterns on the PPI (planned-position-indicator) scope are shown.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FiE 54-159.

**Weather control during instrument flight, part 1.**

FS, USN, 1943. 101 fr, b&w with disc: 16 in, 33 1/3 rpm, 16 min. (Instrument flight control series) Order no. SN 1059-s.

Analyzes techniques in instrument flying under adverse weather conditions; explains the formation and dangers of ice; and shows use of de-icers and electric units in removing ice.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1893.

**Weather control during instrument flight, part 2.**

FS, USN, 1943. 78 fr, b&w with disc: 16 in, 33 1/3 rpm, 24 min.



(Instrument flight control series)  
Order no. SN 1059-t.

Explains turbulence, static, thunderstorms, and precipitation; and that altitude, nature of terrain, size, intensity, velocity, distance to destination, type of storm, and aircraft are to be considered in a storm.

Borrow from USCAA film libraries. Buy from UWF. LC card FIE 52-1894.

#### Weather duties.

MP, USCG, 1947. 6 min, sd, color. (Search and rescue series. Ocean station vessel crew training in search and rescue) Order no. MG 5380-c.

Shows weather duties aboard a U.S. Coast Guard ocean station vessel and their relationship to oceanic air travel, including, by animation, how a plane follows a USCG weather-front warning and avoids a storm; radar tracking of weather balloons; and radio transmission of weather data to the U. S. Weather Bureau.

Buy from UWF. Cleared for TV. LC card FIE 52-887.

#### Weather for the navigator.

See Flying the weather map:  
Weather for the navigator.

#### Weather: Friend or foe.

MP, US Defense, 1951. 22 min, sd, b&w. Order no. AFSR 129.

Explains the use of weather data as a means of facilitating the efficient execution of military operations. Describes weather data compilation and evaluation by U.S. Air Force and U.S. Navy weather services in cooperation with the U.S. Weather Bureau.

Borrow from USA or USAF. LC card FIE 55-164.

#### Weather map symbols.

FS, USN, 1944. 87 fr, b&w. (Navy quiz series, no. 44) Order no. SN 2542-ar.

Illustrates 4 sets of 18 questions each on weather conditions and symbols.

Borrow from USCAA film libraries. LC card FIE 54-799.

#### Weathermen of the sea.

MP, USCG, 1950. 14 min, sd, b&w.

Describes the functions of and activities aboard a U. S. Coast Guard cutter on weather patrol duty in the North Atlantic.

Borrow from USCG. Buy from UWF. Cleared for TV. LC card FIE 52-870.

#### We build a town.

MP, USIA, 1952. 20 min, sd, b&w. Portrays the building of the refugee town of Faridabad with the help of the Indian Government and point four aid, including homes, roads, schools, power plant, etc.; and explains plans for the future. Prepared for overseas use.

Buy from UWF. Cleared for TV. LC card FIE 53-508.

#### Weed control on irrigation systems.

MP, USBR, 1952. 30 min, sd, color.

Shows the problems caused by weeds on the banks and in the channels of canals and drains of irrigation systems, and methods to be used in controlling weeds in order to reduce operating problems, maintenance costs, and water losses.

Borrow from USBR. LC card FIE 54-160.

#### Weekend paratrooper.

MP, USAF, 1950. 9 min, sd, b&w. Order no. SFP 262.

Pictorial account of a paratroop drop conducted in Jacksonville, Fla., by members of the Army and Air Force Organized Reserves.

Borrow from USA or USAF. Cleared for TV. LC card FIE 52-1460.

#### The West system of aircraft identification, special characteristics.

MP, USAF, 1942. 13 min, sd, b&w. Order no. TF 1-673.

Describes the secondary features of wings, engines, fuselage, and



tail that are helpful in the identification of aircraft.  
Borrow from USCAA film libraries. LC card FiE 53-406.

**Weights and measures for hospital corpsmen.**

FS, USN, 1943.86 fr, b&w with disc: 16 in, 33 1/3 rpm, 19 min. Order no. SN 1581.

Outlines the principal points in the apothecary and metric systems of weights and measures.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1763.

**Welcome home.**

MP, USA, 1945. 20 min, sd, b&w. Order no. MF 1226.

Scenes of American soldiers leaving the U.S. in 1942-43 for overseas duty, in combat overseas, and returning to the U.S. in 1945.

Borrow from USA. Buy from UWF. LC card FiE 52-1696.

**Welding aluminum tubes with sheets.**

FS, USN, 1942. 33 fr, b&w. Order no. SN 145.

Shows the necessary equipment; describes some of the peculiarities of aluminum; and outlines the proper procedure to follow in welding an aluminum tube to a flat sheet.

Buy from UWF. LC card FiE 52-1834.

**Welding procedures series. Oxyacetylene welding, no. 1.**

Oxy-acetylene welding: Light metal

**Welding procedures series. Oxygen cutting, nos. 1-3.**

Manual cutting to a line: Free-hand

Manual cutting a bevel: Free-hand

Manual cutting a shape: Free-hand guided

**Welding procedures series. Testing, no. 1.**

The guided bend test

**West Virginia and its natural resources.**

MP, USBM, 1951. 32 min, sd, color. Order no. 241.

Gives a panoramic view of West Virginia, its agriculture, industry, and scenic attractions, with particular emphasis upon its mineral resources and steel mills.

Borrow from USBM. Cleared for TV. LC card FiE 52-669.

**Western grebe.**

MP, USFWS, 1949. 15 min, sl, color.

The Western grebe in its habitat on the prairie sloughs. Includes the courtship dance in which the birds seem to run on top of the water.

Borrow from USFWS. Buy from Calvin. LC card FiE 53-530.

**Westward is Bataan.**

MP, USA, 1945. 45 min, sd, b&w. Order no. OF 27.

Scenes of the campaign which won control of New Guinea and gave the allies bases needed for carrying the Pacific war to the Philippines and eventually to Japan in 1945.

Buy from UWF. LC card FiE 52-1717.

**Wetlands.**

MP, USDA, 1944. 11 min, sd, b&w. Shows the location of 120 million acres of wetlands in the United States and explains that 31 million of these acres, if drained, can be used for farming. Shows the principal types of water control and methods of land drainage.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-440.

**What is a farm worth?**

MP, USDA, 1947. 14 min, sd, color.

Explains the factors to be considered in appraising a farm, illustrated through the experiences of a young couple interested in buying a farm in Illinois.



Borrow from USFCA. Rent from USDA film libraries. Buy from UWF. LC card FIE 52-380.

**What is diabetes?**

FS, USPHS, 1950. 47 fr, color with disc: 16 in, 33 1/3 rpm, 8 min, (Taking care of diabetes series, no. 1) Order no. 5-141. Explains in simple terms the nature of diabetes and its control through diet and the use of insulin.

Borrow from USPHS-CDC. Buy from HPI. LC card FIE 53-949.

**What is disease?**

MP, USOIAA, 1945. 11 min, sd, color. (Health for the Americas series)

Explains that disease can be caused by tiny living creatures so small they cannot be seen without a microscope; and suggests ways to protect oneself against disease. Animated cartoon.

Buy from USIAA. Cleared for TV. LC card FIE 52-528.

**What is right?**

FS, USA, 1949. 14 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-3.

Gives moral directions for living. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FIE 52-2953.

**What price Iwo.**

MP, USN, 1946. 11 min, sd, color. Order no. MN 6519.

Depicts the role of the Medical Corps during the battle of Iwo Jima when casualties reached 1,000 a day. Shows first aid and medical treatment of casualties on the beachheads, evacuation of the wounded by plane, and surgery being performed aboard ship.

Borrow from USN-BuMed. LC card FIE 54-161.

**What puts a 4-H girl "in"?**

FS, USDA, 1950. 34 double fr, color. Order no. C-14.

Shows how a 4-H girl meets the problems of proper fitting and selection of dresses and accessories, and gives suggestions on improving personal appearance.

Buy from PhotoLab. LC card FIE 53-850.

**What you should know about biological warfare.**

MP, USFCDA, 1952. 3 min, sd, b&w; short version, 1 min.

Shows through animated sequences what could happen to animals, food crops, and people in the event of biological warfare. Prepared for television use.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FIE 53-617.

**What's my score?**

MP, USVA, 1947. 20 min, sd, b&w.

Demonstrates the ability of paraplegics to handle jobs in competition with non-handicapped veterans. Shows the basic steps in training a paraplegic and gives examples of veterans with other handicaps performing various jobs.

Borrow from USVA. LC card FIE 54-334.

**Wheat kernel classes and varieties.**

FS, USDA, 1950. 43 double fr, color. Order no. C-11.

Shows some characteristics of the head and kernel of wheat, with special reference to the hard red winter class.

Buy from PhotoLab. LC card FIE 53-848.

**When it's your turn at the meat counter.**

FS, USDA, 1951. 27 double fr, color. Order no. C-16.

Gives information to assist consumers in purchasing beef, shows the various Federal grades of beef and the cuts sold at retail, and suggests how beef can best be used by grade and cut.

Buy from PhotoLab. LC card FIE 53-852.



**When work is done.**

MP, USOWI, 1944. 9 min, sd, b&w.

How Sylacauga, Ala., a small town crowded with war plant workers in 1944, solved its housing and recreation problems.

Buy from UWF. LC card FIE 52-750.

**Whistle signals for approaching steam vessels.**

MP, USN, 1943. 17 min, sd, b&w. (Rules of the nautical road series) Order no. MN 202-j.

Shows by animation the rules for using 1, 2, and 3 blast signals, the danger signal, and the bend signal in various approaching situations.

Buy from UWF. LC card FIE 52-940.

**White pine blister rust.**

MP, USDA, 1942. 20 min, sd, color.

Shows how blister rust, a fungus disease, attacks white pines; describes the life cycle of the disease including the use of currant and gooseberry bushes as hosts; and explains the methods used to control the spread of the disease.

Rent from USDA film libraries. Buy from UWF. LC card FIE 52-474.

**Who's too old.**

MP, USN, 1952. 14 min, sd, b&w. Order no. MN 7424.

Dramatized story of a veteran who wants to join the Naval Reserve but whose wife objects, saying that he was in the last war, that he is too old, and that they cannot afford it. He reasons with her and persuades her to change her mind.

Borrow from USN. Buy from UWF. Cleared for TV. LC card FIE 52-2189.

**The why of automobile lubrication.**

MP, USBM, 1952. 24 min, sd, color. Order no. 247.

Explains, principally through animation, the need for lubrication of automobiles and the use of various oils and greases.

tion of automobiles and the use of various oils and greases.

Borrow from USBM. Cleared for TV. LC card FIE 53-246.

**Why we fight series.**

The battle of Britain

Divide and conquer

The Nazis-strike

Prelude to war

War comes to America

**Wild fruits for soil conservation.**

FS, USDA, 1946. 36 fr, single or double, b&w. Order no. 668.

With lecture notes.

Shows how to use eroded or odd areas of wasteland for the production of edible fruits.

Buy from PhotoLab. LC card FIE 52-2893.

**Wildlife and soil conservation.**

FS, USDA, 1947. 58 fr, single or double, b&w. Order no. 670.

With lecture notes.

Shows how farmers can increase and protect wildlife by improving their land pattern, providing travel lanes, and growing suitable vegetation on wasteland.

Buy from PhotoLab. LC card FIE 52-2916.

**Wildlife and the human touch.**

MP, USDA, 1952. 19 min, sd, color or b&w.

Pictures characteristic forest animals in their native habitat in the National Forests, and explains what the U.S. Forest Service is doing to protect the animals and their habitat.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FIE 52-2169.

**Wildlife management through soil conservation in the northeast.**

FS, USDA, 1939. 50 fr, b&w. Order no. 562. With lecture notes.

Shows how engineering practices and wise planting save soil and make otherwise useless land a refuge and source of food for wildlife.



Buy from PhotoLab. LO card  
FIE 52-2917.

**Wildlife of the Aleutian Islands.**  
MP, USFWS, 1949. 15 min, sl,  
color.

Sea lions, sea otters, and colonies  
of sea birds living on the Aleu-  
tian Islands.

Borrow from USFWS. Buy from  
Calvin. LC card FIE 53-531.

**Will for peace.**

MP, USA-CAD, 1951. 33 min, sd,  
b&w.

Contrasts the post-war activi-  
ties of the United States with  
those of Russia; shows how the  
United States has worked toward  
peace through the UN, UNRRA,  
the Marshall Plan, etc., while  
Russia has concentrated its ac-  
tivities upon preparations for  
war. Prepared for use in oc-  
cupied areas.

Buy from UWF. Cleared for TV.  
LC card FIE 52-2116.

**The Wilson Dam School.**

MP, TVA, 1942. 20 min, sd,  
b&w.

Photographic survey of the  
activities and curriculum of an  
elementary school during the  
time, 1933-41, that it was oper-  
ated by the Tennessee Valley Au-  
thority under the guidance of the  
Alabama State Dept. of Educa-  
tion. Shows activities of the  
children with emphasis upon the  
full development of each child.

Borrow from TVA. Cleared for  
TV. LC card FIE 52-1641.

**Winches and booms.**

MP, USA, 1943. 18 min, sd,  
b&w. (Military stevedoring se-  
ries, no. 3) Order no. TF 55-  
1093.

Explains the construction and  
operation of winches; and shows  
how a signalman uses various  
hand motions in directing winch  
operators.

Borrow from USA. Buy from  
UWF. LC card FIE 52-1585.

**Wind erosion: Its control on the  
southern Great Plains.**

FS, USDA, 1937. 45 fr, b&w.  
Order no. 456. With lecture notes.  
Shows causes and effects of wind  
erosion, and how to prevent and  
control such erosion through con-  
servation practices.

Buy from PhotoLab. LC card FIE  
52-2907.

**Wind-tunnel tests of opening  
characteristics of various base-  
ball-type hemispherical para-  
chutes.**

MP, USNACA, 1949. 15 min, sl,  
b&w.

Shows opening characteristics of  
parachutes in wind-tunnel tests  
conducted by the NACA. Incom-  
plete. For technical personnel, to  
be used only with NACA Tech-  
nical note 1869: Wind-tunnel in-  
vestigation of the opening charac-  
teristics, drag, and stability of  
several hemispherical para-  
chutes.

Borrow from USNACA. LC card  
FIE 54-220.

**Wing assembly: The bow tip.**

MP, USOE, 1944. 24 min, sd, b&w.  
(Aircraft work series. Wood fab-  
rication, no. 6) Order no. OE  
284. With instructor's manual.

How to fit the bow tip strip to the  
leading edge strip; make the spar  
tip joint; install the ribs; shape  
the bow tip; apply and glue the  
bow tip skins; and varnish the  
surface.

Buy from UWF. LC card FIE  
52-286.

**Wing assembly: The bow tip.**

FS, USOE, 1944. 36 fr, b&w.  
(Aircraft work series. Wood fab-  
rication, no. 6) Order no. OE  
284-fs.

Supplements motion picture with  
the same title.

Buy from UWF. LC card FIE  
52-2773.

**Wing assembly: The inboard  
panel.**

MP, USOE, 1944. 19 min, sd, b&w.  
(Aircraft work series. Wood fab-  
rication, no. 5) Order no. OE 300.  
With instructor's manual.



How to install subassemblies in a jig; apply and glue the skins; apply and remove pressure strips; finish the outside surface; and inspect the completed assembly.

Buy from UWF. LC card FiE 52-285.

**Wing assembly: The inboard panel.**

FS, USOE, 1944. 35 fr, b&w. (Aircraft work series. Wood fabrication, no. 5) Order no. OE 300-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2774.

**Wing assembly: The nose section.**

MP, USOE, 1944. 20 min, sd, b&w. (Aircraft work series. Wood fabrication, no. 4) Order no. OE 299. With instructor's manual.

How to position the main spar in the jig; install the webbed ribs, junction rib, regular ribs, and leading edge strip; apply and glue the skins; and finish the surface of the nose section.

Buy from UWF. LC card FiE 52-284.

**Wing assembly: The nose section.**

FS, USOE, 1944. 44 fr, b&w. (Aircraft work series. Wood fabrication, no. 4) Order no. OE 299-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2775.

**Wing construction.**

MP, USAF, 1941. 10 min, sd, b&w. (Airplane structures series) Order no. TF 1-212.

Describes the construction and functions of airplane wings; the chord, spars, and ribs; materials used in construction; and the use of interior and skin bracing to withstand the forces of thrust and drag.

Borrow from USCAA film libraries. Buy from UWF. LC card FiE 52-1480.

**Winged scourge.**

MP, USOIAA, 1943. 10 min, sd, color.

Shows various methods of combatting and eliminating the anopheles mosquito. Animated cartoon featuring the Seven Dwarfs.

Rent from USOIAA film libraries.

Buy from USOIAA. Cleared for TV. LC card FiE 52-493.

**Winged victory on foot: 43d Infantry Division.**

MP, USA, 1949. 14 min, sd, b&w. Order no. MF 7553.

History of the U.S. 43d Infantry Division from its activation in 1941 throughout World War II.

Borrow from USA. Buy from UWF. LC card FiE 52-1705.

**Wings for Roger Windsock.**

MP, USAF, 1952. 14 min, sd, b&w. Order no. SFP 270.

An animated cartoon story of a boy who dreams of piloting early airplanes and of the exciting adventures of an airplane pilot--saving lives, putting out forest fires--and comes to realize how much aviation has changed the world.

Borrow from USAF or USCAA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-1447.

**Wings over Brazil.**

MP, USOIAA, 1944. 14 min, sd, b&w.

Shows progress in aviation made by Brazil during World War II.

Rent from USOIAA film libraries.

Buy from UWF. LC card FiE 52-687.

**Wire rope terminal connections.**

MP, USN, 1944. 31 min, sd, b&w. (Shipbuilding skills series. Rigging) Order no. MN 2340-g.

Demonstrates how to make and test the following terminal connections--clips, eye splices, and metallic splices.

Buy from UWF. LC card FiE 52-1205.



**Wire sizes and voltage drop.**

MP, USOE, 1945. 13 min, sd, b&w. (Electrical work series. Wiring, no. 4) Order no. OE 372. With instructor's manual.

Factors influencing the ability of conductors to carry electron flow; measurement of wire sizes; wire area in circular mils; voltage drop; and Ohm's law.

Buy from UWF. LC card FiE 52-104.

**Wire sizes and voltage drop.**

FS, USOE, 1945. 26 fr, b&w. (Electrical work series. Wiring, no. 4) Order no. OE 372-fs. Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2562.

**Wiring old buildings with armored cable.**

MP, USOE, 1945. 22 min, sd, b&w. (Electrical work series. Wiring, no. 8) Order no. OE 379. With instructor's manual.

How to install outlet boxes; cut and strip armor from cable; attach cable to outlet boxes; run armored cable; repair openings in walls; and join conductors at ceiling outlet.

Buy from UWF. LC card FiE 52-98.

**Wiring old buildings with armored cable.**

FS, USOE, 1945. 38 fr, b&w. (Electrical work series. Wiring, no. 8) Order no. OE 379-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2556.

**Wiring telltale panel.**

MP, USOE, 1945. 17 min, sd, b&w. (Shipbuilding skills series. Marine electricity, no. 6) Order no. OE 115. With instructor's manual.

Purpose of telltale units; how to strip cable; form and lace conductors on a jig; strip the ends of conductors and put on lugs; and hook up conductors and test the connections.

Buy from UWF. LC card FiE 52-207.

**Wiring telltale panel.**

FS, USOE, 1945. 49 fr, b&w. (Shipbuilding skills series. Marine electricity, no. 6) Order no. OE 115-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2688.

**Wise land use pays.**

MP, USDA, 1938. 19 min, sd, b&w.

Discusses principles of land management and soil conservation in the South; shows methods of conserving land including contouring, terracing, strip-cropping, reforestation.

Rent from USDA film libraries.

Buy from UWF. LC card FiE 52-466.

**Wise parents, healthy babies.**

MP, USIAA, 1947. 11 min, sd, color.

Explains how prenatal services safeguard the health of the prospective mother and child; shows the need for placing the baby under the care of a doctor, and the need for immunization of the baby against certain diseases.

Buy from USIAA. Cleared for TV. LC card FiE 52-499.

**With the Marines at Tarawa.**

MP, USMC, 1944. 19 min, sd, color. Order no. MH 3527.

Film record, mostly combat photography, of the Battle of Tarawa in November 1943.

Borrow from USN or USMC. LC card FiE 54-335.

**With the Marines: Chosin to Hungnam.**

MP, USN, 1951. 24 min, sd, b&w. Order no. MN 7314.

Documentary film record of the withdrawal from the Chosin Reservoir area and the naval evacuation operation at Hungnam.

Borrow from USN or USMC. Buy from UWF. Cleared for TV. LC card FiE 52-1308.



**Within the town.**

MP, USVA, 1952. 24 min, sd, b&w. Explains the volunteer service programs being carried on in Veterans Administration hospitals, and stresses the importance of these services as a supplement to the regular hospital program.

Borrow from USVA. Buy from UWF. Cleared for TV. LC card FiE 52-2216.

**Without fear.**

MP, USECA, 1952. 15 min, sd, color.

Emphasizes the importance of freedom and the need for cooperation among European nations in order that the people may be strong and prosperous, and free from poverty within and from danger without.

Borrow from EFLA. Cleared for TV. LC card FiE 53-590.

**Women in defense.**

MP, USOWI, 1942. 11 min, sd, b&w.

Shows how women in 1942 contributed to the war programs in science, industry, and the voluntary services.

Buy from UWF. LC card FiE 52-754.

**Women in the Air Force.**

MP, USAF, 1951. 14 min, sd, b&w. Order no. SFP 258.

Shows the training of WAF's at Lackland Air Force base; technical, administrative, and specialists' jobs open to women in the Air Force; and educational and recreational opportunities available to WAF's.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1425.

**Women Marines.**

MP, USMC, 1951. 14 min, sd, b&w. Order no. MH 6975.

Training procedures and experiences encountered by women Marines from their arrival at recruit depots through assignment to regular duty stations.

Mentions benefits and pleasures derived from service in the Marine Corps.

Borrow from USMC. Cleared for TV. LC card FiE 54-410.

**The woodcock.**

MP, USFWS, 1953. 14 min, sd, color.

Explains the conservation program of management and utilization of the woodcock, one of the game birds common to the eastern United States.

Borrow from USFWS. Buy from Calvin. Cleared for TV. LC card FiE 53-627.

**Wooden faces of Totonicapán.**

MP, USOIAA, 1942. 9 min, sd, color. (Guatemala sketch book series, no. 3)

Shows the making of masks and their use in religious festivals in Guatemala; describes Thanksgiving customs at Chichicastenango.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-686.

**Woodland manners.**

MP, USDA, 1952. 20 min, sd, color or b&w.

Shows that it is important for persons who visit the National forests to observe the necessary sanitary measures, be careful with fire, and leave picnic spots in good condition.

Borrow from USFS. Rent from USDA film libraries. Buy from UWF. Cleared for TV. LC card FiE 52-2970.

**Wool: Marketing and manufacture.**

MP, USDA, 1932. 45 min, si, b&w.

Shows the handling of wool from herd to market and manufacture--shearing of sheep, shipment of fleece, grading of wool, milling of wool, weaving of yarn into cloth.

Rent from USDA film libraries. Buy from UWF. LC card FiE 52-364.



**Work horse of the western front:  
30th Infantry Division.**

MP, USA, 1950. 18 min, sd, b&w.  
Order no. MF 7585.

History of the activities of the 30th Infantry Division during World Wars I and II. Shows combat scenes in Normandy, St. Lo, Belgium, and Holland.

Borrow from USA. Cleared for TV. LC card FiE 52-2055.

**Work of the rescue unit.**

MP, USFCDA, 1953. 18 min, sd, b&w. Re-issue with explanatory foreword of motion picture with the same title released in 1942 by the U.S. Office of Civilian Defense.

Shows the personnel and equipment needed for a rescue unit and how such a unit works in rescuing persons buried under bombed buildings.

Borrow from USFCDA. Buy from Byron. Cleared for TV. LC card FiE 55-46.

**Work simplification.**

MP, USAF, 1945. 19 min, sd, b&w. Order no. TF 1-3742.

Shows methods of eliminating unnecessary clerical duplication and of developing more effective use of available manpower.

Borrow from USAF. LC card FiE 55-108.

**Work simplification in the shop.**

MP, USA, 1954. 17 min, sd, b&w. Order no. TF 20-1738.

Defines the work simplification program as it applies to the Army, both in the military and civilian phases. Analyzes work simplification tools including work distribution chart, work count, flow process chart, motion economy, and work layout studies.

Borrow from USA. LC card FiE 55-221.

**Working for better public health  
through recognition of feelings.**

MP, USPHS, 1953. 25 min, sd, b&w. Order no. M 8.

Shows synchronous treatment of interviews typical of both acceptable and unacceptable human re-

lations situations in public health work, discusses the problems involved, and advances the theory that it is better to uncover and discuss feelings than to concentrate entirely upon the problem itself.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 54-162.

**Working through college.**

MP, USA-CAD, 1951. 20 min, sd, b&w.

Story of a college student and the assistance provided him by a student employment adviser in finding a job which helps meet his expenses and enables him to acquire practical experience in the field he has chosen as a career. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-2117.

**Working with other supervisors.**

MP, USOE, 1944. 8 min, sd, b&w. (Problems in supervision series) Order no. OE 153. With instructor's manual.

Shows how a supervisor fails because he does not recognize the importance of working harmoniously with other people, particularly with his fellow supervisors.

Buy from UWF. LC card FiE 52-139.

**The world at war.**

MP, USOWI, 1943. 44 min, sd, b&w.

Traces the trend toward war during the decade, 1931-1941, showing the events in Asia and Europe from the Japanese invasion of Manchuria in 1931 to the bombing of Pearl Harbor.

Buy from UWF. LC card FiE 52-755.

**World in a schoolroom.**

MP, USA-CAD, 1951. 17 min, sd, b&w.

Portrays citizens of Manhasset, L. I., N. Y., visiting the school to demonstrate their skills so that students may see the application of principles and tech-



niques taught them by instructors. Prepared for use in occupied areas.

Buy from UWF. Cleared for TV. LC card FiE 52-2118.

**Worms in your muscles.**

FS, USPHS, 1948. 52 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. Order no. 5-095. Short version for non-professional audiences, of filmstrip with the title, Spread and prevention of trichinosis.

Discusses the life cycle of *Trichinella spiralis*; the medical implications of trichinosis; and control measures and consumer precautions.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-927.

**Worship in life.**

FS, USA, 1950. 25 fr, color. (The character guidance program series. The chaplain's hour) Order no. FS 16-7.

Explains the meaning, purpose, and value of worship. Prepared for use by army chaplains.

Borrow from USA. Buy from UWF. LC card FiE 52-2957.

**Wound rotor controllers.**

MP, USOE, 1945. 17 min, sd, b&w. (Electrical work series. Motor control, no. 4) Order no. OE 391. With instructor's manual.

Wound rotor motor principles; operation of a faceplate controller, drum-type nonreversing controller, drum-type reversing controller, and automatic magnetic starter for a wound rotor motor. Buy from UWF. LC card FiE 52-179.

**Wound rotor controllers.**

FS, USOE, 1945. 40 fr, b&w. (Electrical work series. Motor control, no. 4) Order no. OE 391-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2659.

**Wounds.**

MP, USN, 1947. 9 min, sd, b&w. (Personnel damage control series) Order no. MN 6466-c.

Shows treatment of leg wounds and the control of bleeding from different kinds of wounds. Explains by animation the circulatory system.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1377.

**Wounds.**

MP, USN, 1943. 20 min, sd, color. (Personnel damage control series) Order no. MN 836-b.

Shows how to treat, dress, and apply sulfa powder to scalp, head, chest, and intestinal wounds, including injuries caused by bullets and flying fragments.

Borrow from some film libraries. Withdrawn from sale in 1954. LC card FiE 52-1312.

**Wounds of the face and jaw.**

MP, USN, 1945. 19 min, sd, color. (Early care of plastic surgical cases series) Order no. MN 2715-b.

Shows a complete operation including wiring the jawbone, sewing the inside of the mouth, reworking the nose, face, and respiratory system. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1120.

**Wounds of the hand.**

MP, USN, 1945. 14 min, sd, color. (Early care of plastic surgical cases series) Order no. MN 2715-a.

Shows the parts and structure of the hand. Explains the desirability of primary closure of wounds in combat areas with elective surgery and plastic surgery reserved for special hospitals in the United States. For medical personnel.

Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1119.

**Wounds, part 1.**

FS, USN, 1942. 50 fr, b&w with disc: 16 in, 33 1/3 rpm, 10 min. (First aid series) Order no. SN 220-a.

Shows various ways to stop bleeding and precautionary measures to prevent infection.



Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1849.

#### Wounds, part 2.

FS, USN, 1942. 49 fr, b&w with disc: 16 in, 33 1/3 rpm, 11 min. (First aid series) Order no. SN 220-b.

How to treat abrasions, and how to clean animal and snake bites. Borrow from USN-BuMed. Buy from UWF. LC card FiE 52-1850.

#### Wrenches.

MP, USA, 1943. 19 min, sd, b&w. (Care and use of hand tools series, no. 1) Order no. TF9-2026. Explains the uses and advantages of various wrenches, and shows the damage which may result from incorrect and dangerous practices in using them.

Borrow from USA or USAF. Buy from UWF. LC card FiE 52-1536.

#### Wright-Patterson Air Force Base.

MP, US Defense, 1953. 19 min, sd, b&w. Order no. RTAF 149.

Explains the work of the Air Materiel Command and the Wright Air Development Center at Wright-Patterson Air Force Base in Ohio.

Borrow from USA or USAF. Buy from UWF. Cleared for TV. LC card FiE 53-606.

#### Wyoming and its natural resources.

MP, USBM, 1949. 30 min, sd, color. Order no. 234.

Panoramic treatment of the mineral resources, agriculture, forestry, stock raising, industry, parks and monuments, and scenic attractions of Wyoming. Emphasizes the production of petroleum and natural gas.

Borrow from USBM. Cleared for TV. LC card FiE 52-662.

#### X-ray inspection.

MP, USOE, 1944. 21 min, sd, b&w. (Engineering series) Order no. OE 173. With instructor's manual, Use of radiographs in industry; generation of X-rays in the X-ray tube; wave nature of X-rays; procedure

in making radiographs; and interpretation of radiographs for defects in metals.

Buy from UWF. LC card FiE 52-170.

#### X-ray inspection.

FS, USOE, 1944. 54 fr, b&w. (Engineering series) Order no. OE 173-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FiE 52-2634.

#### Yaws.

MP, USA, 1947. 14 min, sd, color. Order no. PMF 5049.

Discusses yaws--the causative organisms; geographical distribution; non-venereal status; age groups involved; predisposing factors; modes of transmission; and the stages and course of the entity, pathology, treatment, and prognosis of disease.

Borrow from USAFIP. LC card FiE 54-39.

#### A year in America.

MP, USA-CAD, 1951. 30 min, sd, b&w.

Portrays Japanese exchange students studying at an American university. Prepared for use in occupied areas, particularly in Japan.

Buy from UWF. Cleared for TV. LC card FiE 52-2119.

#### The years of decision.

MP, USECA, 1950. 21 min, sd, b&w.

Shows the beginnings of the Marshall plan in response to post-war needs of the European peoples, the results of its first years of operation, and its effects on the lives of individual men and women. Produced for European use.

Borrow from EFLA. Cleared for TV. LC card FiE 53-558.

#### Yosemite.

MP, USNPS, 1954. 18 min, sd, color.

Scenic tour of Yosemite National Park in California and an expla-



nation, using maps, models, and animated drawings, of the three major geologic changes in the Yosemite Valley.

Buy from EBF. LC card FiE 54-257.

**You and your job.**

MP, USPHS, 1946. 10 min, sd, b&w. (Small milk plant operation series)

Emphasizes and illustrates the concept that trained, responsible men are essential in the processing of safe, pasteurized milk. For milk handlers and sanitarians.

Borrow from USAFIP or USPHS. Buy from UWF. LC card FiE 53-180.

**You can be safe from X-rays.**

MP, USPHS, 1951. 10 min, sd, b&w. Order no. FG 90.

Cartoon showing right and wrong methods used by an X-ray technician and emphasizing safety rules to be followed by the personnel of photofluorographic units.

Borrow from USPHS-CDC. Buy from UWF. LC card FiE 53-205.

**You can hear again.**

MP, USVA, 1949. 30 min, sd, b&w. Dramatized story of a veteran who finally recognizes his defective hearing and, through the aural rehabilitation program of the Veterans Administration, learns to compensate for his hearing difficulty and to lead a normal life.

Borrow from USVA. Buy from UWF. Cleared for TV. LC card FiE 52-2218.

**You can lick TB.**

MP, USVA, 1949. 20 min, sd, b&w.

Presents the dramatized story of a typical tuberculosis patient in a Veterans Administration hospital. Stresses the importance of rest, readjustment to a less strenuous life, and taking an interest in the VA rehabilitation program in order to become

fitted for work within one's physical capacities.

Borrow from USAFIP or USVA. Buy from UWF. Cleared for TV. LC card FiE 53-2.

**You never can tell.**

See Security control: You never can tell.

**You too are the Navy.**

MP, USN, 1950. 15 min, sd, b&w. Order no. MN 6775-b.

Explains and illustrates the importance of civilian work in the U.S. Navy.

Borrow from USN. LC card FiE 55-94.

**Young Uruguay.**

MP, USOIAA, 1943. 17 min, sd, b&w.

Shows the young people of Uruguay at home, play, and school; and emphasizes progressive steps being made in education.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-716.

**Your Air Force in action.**

MP, USAF, 1950. 14 min, sd, b&w. Order no. SFP 256.

Scenes of the U.S. Air Force in Korea providing airlift facilities and air support for United Nations troops, evacuating civilian personnel, transporting troops and supplies, supporting ground troops, and carrying out strafing and bombing missions.

Borrow from USAF. Buy from UWF. Cleared for TV. LC card FiE 52-1446.

**Your Army in disaster relief.**

MP, USA, 1949. 18 min, sd, b&w. Order no. MF 7546.

Shows how the Army aids stricken communities: its work following the explosion at Texas City, Texas, and in snowbound and flooded areas.

Borrow from USA. Buy from UWF. LC card FiE 52-1622.

**Your Army today.**

MP, USA, 1947. 11 min, sd, b&w. Order no. MF 1328.



Presents the U.S. Army of 1947, its future possibilities and varied responsibilities, and the need for skilled and trained men. Introduction by General Dwight D. Eisenhower.

Borrow from USA. Buy from UWF. LC card FIE 52-1702.

**Your driving habits.**

MP, USOE, 1945. 15 min, sd, b&w. (Automotive operation and maintenance series. Automobile operation, no. 2) Order no. OE 487. With instructor's manual.

Elements of good driving; how to start the engine; use the clutch and shift gears; use brakes; drive on curves, in mountainous country, and through snow and mud; and park a car.

Buy from UWF. LC card FIE 52-315.

**Your driving habits.**

FS, USOE, 1945. 40 fr, b&w. (Automotive operation and maintenance series. Automobile operation, no. 2) Order no. OE 487-fs.

Supplements motion picture with the same title.

Buy from UWF. LC card FIE 52-2780.

**Your enemy: Grasshopper.**

MP, USDA, 1951. 23 min, sd, color.

Emphasizes the destructive characteristics of grasshoppers; shows five species of grasshoppers; explains the life cycle of the grasshopper; and demonstrates control measures.

Rent from USDA film libraries.

Buy from UWF. Cleared for TV. LC card FIE 52-472.

**Your health center.**

MP, USIAA, 1947. 8 min, sd, color.

Describes the services available in a health center, and explains the importance of these services in the prevention of disease and the protection of the health of the community.

Buy from USIAA. Cleared for TV. LC card FIE 52-561.

**Your job and the psychiatric patient. Part 1: The psychiatric patient.**

FS, USVA, 1947. 56 fr, b&w.

Reviews through the use of cartoons and captions some of the more common psychiatric behavior patterns in veterans. Directed toward VA hospital attendants who deal with neuro-psychiatric patients.

Borrow from USAFIP or USVA. LC card FIE 54-720.

**Your job and the psychiatric patient. Part 2: How the patient may affect the attendant.**

FS, USVA, 1947. 36 fr, b&w.

Explains through the use of cartoons and captions some of the reactions of VA hospital attendants to neurotic and psychotic behavior of patients, and urges attendants to regard such behavior as symptoms of illness.

Borrow from USAFIP or USVA. LC card FIE 54-721.

**Your job and the psychiatric patient. Part 3: The attendant helps the patient.**

FS, USVA, 1947. 45 fr, b&w.

Suggests, through the use of cartoons and captions, ways in which VA hospital attendants should conduct themselves in working with neuropsychiatric patients.

Borrow from USAFIP or USVA. LC card FIE 54-722.

**Your job in the Navy: Aviation ratings.**

MP, USN, 1944. 36 min, sd, color. Order no. MN 1606-f.

Explains the work of aerographer's mate, aviation machinist's mate, aviation metalsmith, aviation ordnanceman, aviation radioman, and photographer's mate.

Borrow from USN. LC card FIE 55-86.

**Your job in the Signal Corps.**

MP, USA, 1951. 20 min, sd, b&w. Order no. MF 7803.

Describes the role of the U.S. Army Signal Corps in time of



war and peace, including its responsibilities for all types of communications, land mines, submarine cables, and radionetworks.

Borrow from USA. Cleared for TV. LC card FIE 55-191.

**Your Marine Band from then to now.**

MP, USMC, 1954. 27 min, sd, b&w. Order no. MH 8058.

Presents a history of the U.S. Marine Band narrated by the present (1954) leader of the Band, Lt. Col. Wm. F. Santelmann, with the Band playing arrangements of well-known songs of the past on instruments of the period in which the song first became known.

Borrow from USN or USMC. Cleared for TV. LC card FIE 54-233.

**Your money's worth.**

MP, USFR, 1953. 38 min, sd, color.

Explains the nature and uses of money, the economic disorders that bring about changes in the value of the dollar, and measures that can be taken to prevent or treat these disorders.

Borrow from USFR, Richmond. LC card FIE 54-344.

**Your National Guard.**

MP, USA, 1951. 15 min, sd, b&w. Order no. MF 7875.

Presents the history and activities of the National Guard from 1792 to the present time and the importance of its citizen soldiers.

Borrow from USA. LC card FIE 55-189.

**Your part in position classification.**

MP, USN, 1947. 15 min, sd, color. Order no. MN 5366.

Explains various civil service positions in the U.S. Navy Dept.; and stresses the importance of accurate job descriptions.

Buy from UWF. LC card FIE 52-1317.

**Your proudest duty.**

MP, USA, 1947. 26 min, sd, b&w. Order no. TF 10-1473.

Explains the duties and responsibilities of military personnel escorting bodies of war dead to their families for reinterment.

Borrow from USA. Buy from UWF. LC card FIE 52-1551.

**Your safety belt.**

FS, USN, 1943. 45 fr, b&w. Order no. SN 1259.

Stresses the importance of having the safety belt properly fastened, shows some of the reasons causing it to come loose, and gives precautions to be observed in the use of the belt. Discusses Army, Navy, and commercial belts.

Borrow from USCAA film libraries. LC card FIE 54-800.

**Your service obligation.**

MP, USN, 1953. 8 min, sd, b&w. Order no. MN 9269.

Explains the provisions of Public law 51, 82nd Congress, ways of satisfying one's service obligations, and some of the advantages of joining a participating unit.

Borrow from USN. Cleared for TV. LC card FIE 54-234.

**Your social security.**

MP, USSSA, 1951. 18 min, sd, b&w.

Reviews the history of social security in the United States and explains the 1950 amendments to the social security laws which extended the coverage of old age and survivors' insurance and increased the benefits.

Borrow from USSSA. Withdrawn from sale in 1954. Cleared for TV. LC card FIE 53-118.

**Your soil, your future.**

MP, USIIAA, 1947. 8 min, sd, color.

Explains the importance of soil conservation and shows certain soil conservation practices, including contour plowing, crop rotation, and reforestation.

Buy from USIIAA. Cleared for TV. LC card FIE 52-560.

**Your strip film projector.**

FS, USPHS, 1945. 65 fr, b&w. Order no. 5-003.



Shows how to operate the Sandwick sound filmstrip projector, model MC-364.

Borrow from USPHS-CDC. LC card FiE 53-884.

**You're being boarded.**

MP, USCG, 1952. 25 min, sd, b&w.

Explains the minimum safety requirements prescribed by law for motorboats, and the procedures used by the U.S. Coast Guard in boarding and examining such boats. Directed primarily to pleasure boat owners and commercial boat owners and operators.

Borrow from USCG. Buy from UWF. Cleared for TV. LC card FiE 53-83.

**Yucatán.**

MP, USOIAA, 1943. 21 min, sd, color.

Travelogue of Mexico's province of Yucatán.

Rent from USOIAA film libraries. Buy from UWF. LC card FiE 52-730.

**Yugoslavia.**

MP, US Defense, 1953. 11 min, sd, b&w. Order no. AFIF 34.

Explains Yugoslavia's geography, people, political history, government, economic structure, and importance in world affairs.

Borrow from USA or USAF. Cleared for TV. LC card FiE 53-652.

**Zeroing and use of the score book.**

MP, USA, 1943. 27 min, sd, b&w. (Rifle marksmanship with the M-1 rifle series. Preparatory training, no. 6) Order no. TF 7-1101.

Shows method of obtaining the correct zero reading and recording data in a score book; and demonstrates how to adjust a gun in accordance with the zero reading in order to counteract the deflections of firing.

Borrow from USA. Buy from UWF. LC card FiE 52-1511.

**Zinc, its mining, milling, and smelting.**

MP, USBM, 1948. 30 min, sd, b&w. Order no. 230.

Locates zinc-ore areas in the United States; describes the process of mining the ore, transporting it to the mill, and smelting the ore to produce zinc oxide and metallic zinc; and illustrates some of the principal industrial uses of zinc.

Borrow from USBM. Cleared for TV. LC card FiE 52-658.

**The zipper fleet.**

MP, USN, 1947. 9 min, sd, b&w. Order no. MN 6647.

Shows how ships are put into "moth balls" and the continuous efforts to keep them seaworthy and ready for active duty.

Borrow from USN. LC card FiE 52-1302.