

MN 2000
MISC-1958/59

Agricultural Extension Service

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MN 2000 MISC-1958/59

3 Misc 1958



Audio Visual CATALOG 1958-59



- Motion Pictures
- Tape Recordings
- Film Strips
- Slide Sets
- TV Shorts

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AGRICULTURAL EXTENSION SERVICE
INSTITUTE OF AGRICULTURE
UNIVERSITY OF MINNESOTA
ST. PAUL 1 MINNESOTA

University of Minnesota
U. S. Department of Agriculture
County Extension Services
Cooperating

Cooperative Extension Work
Agriculture, Home Economics
and 4-H Clubs

Dear Friend:

Here is your catalog of audio-visual materials for 1958-1959. Please discard your old catalog and order from this because there are many changes.

We have appreciated your comments on the materials and have tried to incorporate your suggestions into this new catalog. Please feel free to continue to bring to our attention, any films, film strips, slide sets and other materials that might be of interest to users.

Because films are not treated as first class mail, it is wise to allow at least three days time after your request reaches this office. You may request first class mailing and be billed accordingly if third class mail does not meet your needs.

You can help us reduce disappointments by returning materials promptly after their use.

Sincerely yours,

Gerald R. McKay
Extension Specialist in
Visual Education

GRM:e

CATALOG OF MOTION PICTURES, FILMSTRIPS AND SLIDE SETS
AVAILABLE FROM THE AGRICULTURAL EXTENSION SERVICE FILM LIBRARY
of the
INFORMATION SERVICE

Institute of Agriculture
University of Minnesota
St. Paul 1 Minnesota

HOW THE AGRICULTURAL EXTENSION SERVICE FILM AND SLIDE LIBRARY OPERATES

The Agricultural Extension Service Film and Slide Library of the University is maintained to serve agricultural extension workers, high school agriculture teachers, and other professional workers in agriculture and home economics.

Because Agricultural Extension Service funds are used to operate the library, no charge is made to any agricultural extension personnel for use of the materials. Others using films or slides are asked to pay a service charge to cover costs of handling. This service charge is listed with the description of the materials.

In this catalog we list 16mm. motion pictures, including many for television, 2 x 2 slide sets, a few filmstrips, and a few tape recordings. We have also listed a few flannelgraphs. They are listed under separate headings on different color paper.

Printed forms, which facilitate ordering, will be sent to you on request. These should simplify your work of keeping a record of what has been ordered.

New films added to the library since our last catalog was printed are indicated by an asterisk. Those which have been cleared for television use are marked with "TV".

From Whom Should Films Listed in the Catalog be Ordered?

Address your orders to: Extension Specialist in Visual Education, Agricultural Extension Service, Institute of Agriculture, University of Minnesota, St. Paul 1, Minnesota. Please note the St. Paul address.

What are Service Charges?

For Extension workers, there is no charge. The Agricultural Extension Service finances the library to serve its staff members.

For Other U. S. Department of Agriculture Employees, there is no charge for USDA films. The regular charges, listed herein, will be made for other films.

For All Others Eligible to Use the Library, there is a service charge indicated in the catalog. These charges cover the cost of mailing, inspecting, repairing, reviewing, and replacing films in the library. For all films, and slide sets, the minimum charge is \$1.00. The library has many USDA and other films which were purchased with extension funds. A graduated charge according to the size and the original cost of the film is made.

What About Postage?

Extension and other USDA workers may use the frank on films that contain no advertising and weigh less than four pounds. Movies over four pounds cannot be franked.

When to Order?

Try to order at least three weeks before you plan the showing. Indicate a second choice whenever possible or tell us the type of meeting where you plan to use the film. We will try, whenever possible to fill orders on less than three weeks notice. Often this is not possible.

Are There Other Sources of Films?

Yes, there are several listed in a separate section in this year's catalog. (See Table of Contents.) You are urged to use them whenever possible. Please remember to place your order directly with these sources and not through us. The only films we have are listed in this catalog or in the monthly "Tip Sheet."

Using the Table of Contents and Indexes

In the Subject Matter Index following the introduction, all movies and slide sets are listed according to subject matter.

The movies and slide sets are cataloged separately. Each section is printed on a different color paper.

PLEASE NOTE

The Agricultural Extension Service reserves the right to substitute another film in emergencies. You will be notified if this must be done.

Your Opinion of Films is Important

It is difficult to keep a library of 700 films up-to-date without your help. We'll appreciate your opinion of each film you show. There's a place for comments on the self-addressed return card.

If you indicate that the film needs checking, our normal procedure is to have a University Specialist look at it. The film then is edited or discarded as he directs. We need your help to spot needed changes.

AND FINALLY, PLEASE . . .

Return the films on the date specified. One film returned late may cause a whole series of cancellations to many users.

Tapes for Radio, Discussion and Slide Sets

Taped interviews with specialists from University Farm can enrich your radio programs and your discussion meetings.

What's New in Farm Research is a weekly series of tape recorded interviews which are being used at 24 radio stations. The interviews run 7 1/2 minutes and are recorded on a single track recorder at 7 1/2 inches per second.

Farm Topics is a series of taped interviews used each week by 20 radio stations. Two 7 minute interviews (which can be used separately or together) are recorded on a single track machine at 7 1/2 inches per second.

You can get either or both of the above series for radio use (if your station doesn't already use them) by writing to Ray Wolf. Tapes are sent out regularly and are to be returned to us.

You can get copies of Farm Research, Farm Topics and other agricultural and home programs by sending your own tape to Arnold E. Luce. He will have a catalog entitled "Tapes for Teaching" which lists many agricultural and home economics programs. Details on ordering are in the catalog. To receive a copy of "Tapes for Teaching", write to:

Arnold E. Luce
Audio-Visual Consultant
Department of Education
301 State Office Building
St. Paul 1 Minnesota

4-H Chats (four to five minutes) with 4-H State Staff members, are available each week for those who want timely 4-H helps. These tapes are now being used by 24 stations. All correspondence regarding tapes for radio should be sent to Ray Wolf, Extension Specialist in Information, Institute of Agriculture, University of Minnesota, St. Paul 1, Minnesota.

Tapes for use with slide sets are available with some slide sets.

These sets which have tape syllabuses are:

- #43 - European Corn Borer
- #89 - What to Wear with What
- #105 - Agriculture Outlook for 1958 - (1959 available Dec. 22, 1958)
 - 1) General Business and Family Living
 - 2) General Business and Crops
 - 3) General Business and Dairy
 - 4) General Business and Livestock
 - 5) General Business and Poultry
 - 6) General Business, Farm Costs and Credit
- #125 - Woody Shrubs for Landscapes and Protection Planting
- #148 - 4-H Home Furnishing Project
- #134 - Bulk Milk Handling
- #189 - Corn Yesterday and Today
- #222 - Respiratory Diseases of Poultry

Other Film Sources

Here is a list of sources of sponsored 16 mm films which are available to you from other sources. We DO NOT have these films in our library. Order them directly from the concerns listed. Will you please help us keep in good standing with these companies by returning their films promptly and reporting the kind of meeting and attendance for each film?

Allis Chalmers Manufacturing Company 700 South 3rd Street Minneapolis Telephone Fe 2-5338	Films on entertainment and educational, mostly on agriculture
Braniff International Airways 665 Northwest Bank Building Minneapolis Telephone Fe 5-7891	Films on South America
Canadian Pacific Railway 708 2nd Avenue South Minneapolis Telephone Fe 2-3571	Travelogues on Canada
Canadian National Railways Motion Picture Library 1040 Rand Tower Marquette at 6th Minneapolis Telephone Fe 2-6391	Travelogues on Canada
Elliott Film Company 1114 Nicollet Avenue Minneapolis Telephone Fe 6-4219	Entertainment, educational, religious, many sponsored films
General Mills, Inc. Film Department 9200 Wayzata Minneapolis 26, Telephone Li 5-2811 Ext. 2623	Educational and sponsored films
Ideal Pictures 1915 Chicago Avenue Minneapolis Telephone Fe 8-8965	Entertainment, educational, religious films, agriculture
J. I. Case Company 233 Park Avenue South Minneapolis Telephone Fe 3-2371	Films on agriculture with emphasis on farm machinery
Midland Cooperatives Inc. 739 NE Johnson Minneapolis Telephone St 1-9571	Films on agriculture
Midwest Audio-Visual Company 10 West 25th Street Minneapolis Telephone Fe 9-7195	Entertainment, educational films
Minnesota Department of Highways 1279 University Avenue St. Paul Telephone Mi 6-4688	Films on traffic safety and some filmstrips

Minnesota Tuberculosis and Health
614 Portland Avenue Association
St. Paul 2 Minnesota
Telephone Ca 6-8855

Health education

Trans World Airlines
634 Marquette Avenue
Minneapolis Telephone Fe 6-8634

Travelogues

Western Air Lines
128 S . 7th St.
Minneapolis Telephone Fe 9-0771

Travelogues

For Additional Film Sources, Use Space Below

Audio-Visual Extension Service
115-121 TSMa
University of Minn. Mpls 14
Telephone Fe 2-8158 Ext. 6432

Educational films

SUBJECT MATTER INDEX

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT

<u>Page</u>	<u>Movies</u>
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29	Big Gamble, The
29	Care And Management of Layers
29	* Cologne Trade Fair
29	Conservation Reserve Acres
29	Farm Automation
29	Farmer Cooperatives In Europe
29	Fiftieth Year Of Meat Inspection
30	* Franklin County 27
30	From Harvest To Harvest
30	Grain Marketing and Sanitation
30	Know The Apples You Buy
30	Know The Bread You Buy
30	Know The Eggs You Buy
30	Know The Meat You Buy
31	Know The Milk You Buy
31	* Leaving It To The Experts
31	Letter From America
31	* Magic Formula, The
31	* Marketing Farm Products Abroad
31	* Marketing Grade 'A' Milk
31	Meats With Approval
31	Outlook - 1957
32	* Production 5118
32	Round Trip
32	Telephone And The Farmer, The
32	What Is A Farm Worth
32	Wheat To Bread
32	* When Steam Was King
32	Your Road To Sales
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105	* Agricultural Outlook for 1958 (1959 Outlook available after 12/22/58)
91	Agricultural Outlook Charts Related to Foods
91	Better Living
91	Facts About Bulk Milk Handling

New Movies, Slide sets, and Filmstrips added during the past year.

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT

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91	Farmstead Arrangement
91	Food Facts And Figures
91	* Getting And Using Farm Credit
91	Marketing Livestock By The Calendar
92	Marketing Quality Poultry
92	Partners Talk It Over
92	Taxes And Expenditures
92	What Is A Farm Management Service

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Minneapolis Grain Exchange

AGRICULTURAL ENGINEERING AND ELECTRIFICATION

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33	Arch Against The Sky
33	Barns For Better Dairying
33	Better Than Kings
33	Better Farming With Silos And Silages
33	Better Farm Homes With Concrete
34	Building An Expandable House
34	Care Of A Tractor
34	Concrete On The Farm
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35	Let's Make Concrete
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35	Mr. Farmer Builds A Septic Tank
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36	Power In The Land
36	Principles Of Electricity
36	Range Shelters
36	Reconditioning A Grain Drill
36	Reconditioning A Two Bottom Tractor Plow
36	Repainting A Frame Building
37	Ropp Farm Story, The
37	Safe Farm Wiring
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37	Treat Wood Right
37	Welding Comes To The Farm
32	* When Steam Was King

AGRICULTURAL ENGINEERING AND ELECTRIFICATION

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92	See Your Home In A New Light
92	Using Electric Motors Productively On The Farm
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	U. S. 628 Care And Repair Of Farm Machinery
	Ditching With Dynamite
	Boulder Blasting
	Stump Blasting
	Tractor Care - Carburetors And Manifolds
	- For Farm Tractors
	" " - Cleaned Air - No Wear
	" " - Spark Plugs
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	Corn Picker
	Repair And Adjustment Of Power
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**	- Electricity
**	- Wiring Wisdom
**	- Farm Lighting
**	- Equipment & Fundamentals of Welding
**	- Learning To Run A Bead

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38	Chop The Crop
39	Do Varieties Run Out
40	Life Of Plants, The
40	Making The Most Of A Miracle
40	* Nature's Need For Nitrogen
74	Potatoes Unlimited
41	Seed Dispersal
	<u>Slides</u>
93	Minneapolis Grain Exchange - Revised 1956
111	Soil Fertility And Soybeans
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	Plant Propagation
	Sexual Reproduction In Plants
	More Sugar Per Acre

** No Syllabus Available

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GRAIN (cereals, corn and oil seeds)

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38	Corn
38	Corn Maturity Dates Are Important
38	Corn Yesterday And Today
39	From Harvest To Harvest
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41	So Shall Ye Reap
41	Soybeans The Feature Story
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75	Lost Harvest
76	Red Seeds
76	Stem Rust

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92	Clean Grain On It's Way To The Storage Bin
93	Corn Yesterday And Today
93	Hunger Signs In Corn
93	* Malting Barley Production Practices
109	Stem Rust Of Wheat
94	* Wheel Track Planting

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37	Better Seeds For Better Grasslands
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39	Establishing Alfalfa
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39	Grass Silage
40	Grass - The Big Story
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40	Hay Is What You Make It
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41	One Equals Four
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42	Bovine Contagious Pleuropneumonia
42	By-Products Of The Meat-Packing Industry
42	Do Unto Animals
82	Epidemic, Foot And Mouth Disease In Canada
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29	Fiftieth Year Of Meat Inspection
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42	In The Beginning
42	It Pays To Take It Easy
43	Livestock And Mankind
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94	Market Classes And Grades Of Livestock
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94	Meat Identification
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44	Battling Brucellosis
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45	Inside A Cow's Udder
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45	John Martin And Son
31	* Marketing Grade 'A' Milk
45	Milk And The Dairy Cow
45	Milk Parade
45	More Profit Per Acre
45	No Hand Stripping
45	Power Of Pennies
46	Quality Milk Production
46	Quality Milk With Less Labor
46	Science Of Milk Production, The
46	Triple Threat Of Brucellosis
46	Turn On The Sales Power
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95	* Better Milk Through Improved Practices
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52	Horizon's Unlimited
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ENTERTAINMENT AND GENERAL INTEREST

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98	Take My Word For It
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Filmstrips

Are You Inviting Corn Picker Accidents
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FILMS FOR TELEVISION USE

16 millimeter films are very useful for television programs. Since a number of extension agents have regular TV programs, many of the films listed in the next section will be of interest.

Films which have been cleared for TV use are marked with a "TV". You should not plan to use any of the others on a TV program because of possible legal entanglements. Encyclopedia Britannica films (EBF) can be used on television if certain fees are paid. Rate on EBF 10-minute color films in this catalog is \$1.25 per minute. Permission can be obtained from the state extension office.

Many of the films marked "TV" have been made at the University primarily for use on television. These are locally adapted with narration by state specialists. You will find they are some of the best films.

Any film used on a program should be previewed first. This of course applies to use in meetings as well as on a TV program. Previewing provides an opportunity to time the film accurately and to plan an effective introduction.

There is no charge for any film used on a television program. Films should be ordered as far in advance as possible. Although we will try to fill orders right up to the minute before a film is used, most films are not available on less than two weeks' notice.

* Before a film, slide set or filmstrip, denotes a new film.

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT

- Movies
Service
Charge
1.50

- | | | | |
|---|---|----|------|
| * | <p>ATOMIC AGE FARMER - 12 min., B. and W., Handel Films,
This film shows how agricultural research is speeded up by
using radio-active tracer elements in livestock feed and
fertilizer. The film is of general interest rather than suited
to a particular group. It would be useful in senior high or
adult classes.</p> | TV | 1.50 |
| | <p>BIG GAMBLE, THE - 15 min. - Black and White - USDA
Federal Crop Insurance Corporation. . . Dramatizes the
progress in agriculture and the provision for insurance
protection from over fifty causes of crop loss. The far-
mer's struggles against nature's destructive forces are
aided through the Federal All-Risk Crop Insurance Program.</p> | TV | 1.00 |
| | <p>CARE AND MANAGEMENT OF LAYERS - 10 min.
Black and White - U. of Minn. . . This film was made in
a laying house on a farm in Watonwan County. Cora Cooke
and a farmer discuss principles of poultry management.
Shows many labor saving devices, egg coolers and well
planned laying rooms.</p> | TV | 1.00 |
| * | <p>COLOGNE TRADE FAIR - 5 min. Black and White, USDA
Filmed at the Fine Foods Fair in Cologne, Germany. The
U. S. exhibit served as a showcase for our agricultural
products which are available to European consumers. The
fair served as an effective meeting place to bring business
men together. This film would be useful in showing one of
the measures the U. S. government is taking to build mar-
kets for our farm products.</p> | TV | .50 |
| | <p>CONSERVATION RESERVE ACRES - 6 min. - Color - USDA
Explains the conservation reserve program of the soil
bank. Film would be good to start discussion on the soil
bank application.</p> | TV | .50 |
| | <p>FARM AUTOMATION - 6 1/2 min. - B. & W. - USDA
Produced by USDA primarily for television to tell the
story of the revolution of mechanization in agriculture.
Electricity is featured as it helps do chores such as feed-
ing, watering, feed elevation, and milking. The film is
of rather general nature.</p> | TV | .50 |
| | <p>FARMER COOPERATIVES IN EUROPE - 30 min. - Black and
White - USDA. . . Tells the story of how and why co-
operatives got started in Europe. Explains the basic
principles of several farmer cooperatives.</p> | | 1.00 |
| | <p>FIFTIETH YEAR OF MEAT INSPECTION - 6 min. - Black and
White - USDA. . . This film was made primarily for tele-
vision but has a message that could be used at meetings.
It shows Secty. of Agriculture Benson talking about 50 years
of accomplishment in the field of federal meat inspection.
Would be useful anywhere meat production or marketing
is being discussed.</p> | | .50 |

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT

(cont.) - Movies

	<u>Service Charge</u>
<p>FRANKLIN COUNTY 27 - 32 min. - Black and White - USDA Extension staff members of Franklin County, Iowa, developed a presentation on agricultural programs. Their story was told in this film. They use an 'economic balance bar' as the main vehicle to show what has been taking place in our agricultural economy. A number of other very effective visual aids are also used.</p>	1.00
<p>FROM HARVEST TO HARVEST - 30 min. - Color - Indiana Farm Bureau. . . Shows how grain is handled to keep it in top condition for consumer use. Sanitation practices are explained and stressed. Would be excellent to show for elevator meetings or for any group of farmers where grain handling is being discussed. It is not intended for a consumer audience although it might be all right on some occasions.</p>	4.80
<p>GRAIN MARKETING AND SANITATION - Black and White - Harold Pederson, Extension Economist in Marketing. . . Consideration of all factors which affect sanitation of grain, from spraying of grain to control weeds, keeping clean grain bins, factors of sanitation while the grain is in transit to market, and how the value of the grain is increased by good sanitation.</p>	TV .50
<p>KNOW THE APPLES YOU BUY - 6 min. - Black and White - Loomis. . . Do you know how to get the most from your apple dollar? This film shows a number of the common varieties of Minnesota apples and the chief advantages of each.</p>	TV .50
<p>KNOW THE BREAD YOU BUY - 6 min. - Black and White - Loomis. . . Do you know how to get the most from your bread dollar? The difference between enriched and un-enriched bread? The food value of raisin, whole wheat, and white breads? The film will tell you. Bulletin on Bread and Cereals is offered.</p>	TV .50
<p>KNOW THE EGGS YOU BUY - 5 min. - Black and White - Loomis. . . Minnesota has an egg law. Film shows grades of eggs and what to expect in weight and quality from each grade. Mrs. Loomis stresses the wonderful food value of eggs. Bulletin, "Know the Eggs You Buy" is offered.</p>	TV .50
<p>KNOW THE MEAT YOU BUY - 5 min. - Black and White - Loomis. . . Film shows good cuts of meat, food values and how to buy beef, pork and lamb. In other words how to stretch your meat dollar. A bulletin, "Know the Meat You Buy" is offered free.</p>	TV .50

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT
(cont.) - Movies

			<u>Service Charge</u>
	KNOW THE MILK YOU BUY - 5 min. - Black and White - Loomis. . . Shows food value of milk. Kinds of milk shown and discussed are: skim, butter, chocolate, dry, evaporated, condensed and homogenized. Each is discussed as to calories, protein, carbohydrates, vitamins, and minerals. Bulletin, "Know the Milk You Buy" is offered free.	TV	.50
*	LEAVING IT TO THE EXPERTS - 10 min. - Black and White - McGraw Hill: . . Two farmers discuss the pros and cons of why lay people should try to be informed on matters of public interest. The film was planned as introductory material for discussion groups. It would be very useful as a starter for discussion.	TV	1.50
	LETTER FROM AMERICA - 30 min. - Black and White - Goodyear. . . A foreign-born American writes a letter to his sister in Europe explaining how the American system of free enterprise had helped him as well as others to advance in life through their own hard work and productivity. This is an inspiring picture and a good explanation of how our economic system works.	TV	1.00
*	MAGIC FORMULA, THE - 30 min. - Black and White - Ed. Radio and TV Center. . . Describes the concept of parity, how it developed and its shortcomings. It was produced by the Radio and TV Center at Ann Arbor, Michigan, with members of the agricultural economics staff at Michigan State University serving as technical advisors. Dr. Luther Pickrel made use of this film at a number of farm forum meetings during the winter of 1957.	TV	1.00
*	MARKETING FARM PRODUCTS ABROAD - 17 min. - color - USDA - Shows how Agricultural Attaches promote the sale of America's agricultural products in 60 foreign locations. The film also explains how agricultural trade groups and private industry team with the government in building friendship and prosperity for us and our world neighbors. Work in Europe, Latin America and the Far East is pictured.	TV	1.00
	MEATS WITH APPROVAL - 25 min. - Black and White - USDA. . . . This film tells the story of federal meat inspection. It is an excellent instructional film.		1.00
	OUTLOOK - 1957 - 7 min. - Black and White - USDA The 1957 version of outlook information series produced by USDA. Produced primarily for television but usable for other occasions. Shows some of the changes in income and expenditures since 1950. Makes predictions about farmers' income in 1957. Good short for many types of meetings.	TV	.50

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT

(Cont.) - Movies

	<u>Service Charge</u>
<p>PRODUCTION 5118 - 31 min.-Color - Champion Paper Co. One of the communications training films used at district meetings in the Spring of 1957. It is the story of the production of a film in which actors learn the importance of good communications. The film ends by emphasizing the Golden Rule. This film should not be shown without first previewing it. A good introduction is very important if the film is to be effective.</p>	1.00
<p>ROUND TRIP - 24 min. - Black and White - Twentieth Century Fund . . . This film tells the story of world trade and shows advantages of having goods going both ways. It is excellent as a starter for discussion.</p>	3.00
<p>TELEPHONE AND THE FARMER - 30 min. - Color - Office of Inf. Washington D. C. . . This film is designed to be used in communities where telephone service can and should be improved. The story of how an Iowa community improved its telephone service and reached more rural people through the use of an REA loan. Typical farm situations are shown.</p>	1.00
<p>WHAT IS A FARM WORTH - 18 min. - Color - Farm Credit Administration - USDA. . . . Portrays the basic principles of farm valuation. A young couple intending to invest in a farm are shown while being urged by the county agent and the secretary-treasurer of the national farm loan association to attend the appraisal demonstration. Principles involved in selecting a productive profitable farm are described in an interesting manner.</p>	1.00
<p>WHEAT TO BREAD - 10 1/2 min. - Bl. & Wh. - Univ. of Minn. TV Explains why the farmer's share of the consumer's bread dollar changes. Factors responsible for the changing price levels are shown. Harold C. Pederson is narrator. He uses a number of visuals in the film.</p>	1.00
<p>WHEN STEAM WAS KING - 26 min. - Color - J. I. Case Co. TV A historical sketch of the use of steam from threshing to cutting wood. A grandfather and his grandson tell the story in an entertaining way. Modern tractors are shown for contrast.</p>	1.00
<p>YOUR ROAD TO SALES - 18 min. - Black and White - American Dairy Assn. . . . It explains how an efficient advertising campaign has, and will increase the sales of dairy products. The film would be excellent to use at meetings of dairy farmers when marketing was being discussed. The farmer's stake in an advertising program is stressed.</p>	1.00

AGRICULTURAL ENGINEERING AND ELECTRIFICATION		- Movies	<u>Service Charge</u>
<p>ABC OF HAND TOOLS - 30 min. (in two parts) - Color - General Motors. . . A Walt Disney production showing proper use and care of common hand tools. Tips on sharpening and reconditioning damaged or dull tools are included. This film would be useful in farm mechanics classes or 4-H farm mechanics projects. It is designed primarily for boys and men.</p>			4.80
<p>ARCH AGAINST THE SKY - 22 min. - black and white - Great Lakes Steel. . . This is the story of a farm family in the corn belt. It shows how the farmer took chances with the weather and other factors to make his crop come through. A county agent who tells the story is showing his reasons for farmers' using modern machinery and farming methods. The film shows how farmers can use steel quonset huts for many things from storing feed or seed to machines and dairy cows.</p>	TV		1.00
<p>BARNs FOR BETTER DAIRYING - 30 min. - Color - Univ. of Wis. and U. S. Steel The story of 10 years of research in dairy housing done by the University of Wisconsin. Comparison is made of many factors in stanchion and loose housing barns. There's no advertising although steel is shown quite often. O.K. for any group discussing dairy housing or related subjects.</p>			4.80
<p>BETTER FARMING WITH SILOS AND SILAGES - 13 min. - color - Portland Cement Assn. . . Shows recommended practices for ensiling different types of forage crops and the advantages of feeding silage. Film also describes the construction of an upright concrete stave silo.</p>	TV		1.00
<p>BETTER FARM HOMES WITH CONCRETE - 24 min. - Color - Portland Cement Assn. . . Shows how concrete can be used advantageously in the building of farm homes. The film covers footings, foundation details for basements, concrete floors and floor finishes, interior and exterior walls above ground, and fireproof roof coverings.</p>			1.00
<p>BETTER THAN KINGS - 25 min. - Color - Westinghouse Electric Corporation. . . Highly dramatized presentation of household electrical conveniences we now have, which are "better than kings". More important portions emphasize the necessity for planning household circuits to accommodate present and future loads. A general interest film perhaps best suited for groups in home management and planning.</p>			1.00

AGRICULTURAL ENGINEERING AND ELECTRIFICATION

(Cont.) - Movies

	<u>Service</u> <u>Charge</u>
<p>BUILDING AN EXPANDABLE HOUSE - 6 min. - Black and White - USDA Film shows the construction of a one story-house which is capable of being expanded to meet growing family needs.</p>	.50
<p>CARE OF A TRACTOR - 20 min. - black and white - U. S. Office of Education. . . The day by day operating care of a tractor; the importance of periodic inspections; and the operations necessary for daily, weekly, semi-annual and annual seasonal check-up of parts; how to use the manufacturer's operating manual.</p>	1.00
<p>CONCRETE ON THE FARM - 22 min. - Color - Portland Cement Association. . . This film shows the many uses to which concrete can be put on the farm. Some emphasis is put on the correct making of concrete. It would be of interest chiefly to men or boys who are planning to do some concrete work on their farms.</p>	1.00
<p>DAWN OF BETTER LIVING, THE - 16 min. - Color - Westinghouse Electric Corp. . . This Walt Disney production presents the completely electrified home of tomorrow. Cartoons follow the vision of better living through 300 years of progress. In addition, the film explains the need for efficient home wiring to provide plenty of outlets and ample circuit protection through the use of automatic circuit breakers.</p>	1.00
<p>ELECTRIC HEAT LAMPS - 4 min. - Black and white - Bates TV Film shows sizes and types of infra red heat lamps; two kinds of fixtures to protect the lamps; and height and method of hanging lamp for pigs and chicks.</p>	.50
<p>ELECTRIC MOTORS FOR THE FARM - 5 1/2 min. - Black and White - Arnold Flikke. . . Three common types of electric motors for the farm (Split Phase, Capacitor and Repulsion - Induction) are compared as to cost, construction, size, starting ability and starting work. Uses for each type and points to consider in selecting motors is also included.</p>	TV .50
<p>ELECTRIC SERVICE ENTRANCE - 5 min. - Black and White - Flikke. A Visualized discussion on service entrance equipment - what it is and the part it plays in farm electrification. Things discussed are meter pole, disconnect switch, entrance box, overhead and underground wiring.</p>	TV .50

AGRICULTURAL ENGINEERING AND ELECTRIFICATION (Cont.) - Movies

		<u>Service Charge</u>
ELECTRIC WIRES FOR THE FARM - 6 min. - Black and White - Bates. Shows kinds and sizes of wires for various uses on the farm and in the home. New wire insulation materials are shown and discussed. Safety is stressed.	TV	.50
FIRE CISTERNS FOR THE FARM - 10 min. - Color - Portland Cement Assn. . . Shows how rural people can have fire protection by constructing a 3000 gallon concrete fire cistern on the farm. The use of reusable forms is demonstrated.	TV	1.00
GROUNDING ELECTRIC MOTORS - 5 min. - Black and White - Hustrulid. . . This filmed demonstration shows how to properly ground an electric motor and a hand drill so as to prevent shock and possible death. The value of a 3-pronged outlet and plug are emphasized.	TV	.50
LET'S MAKE CONCRETE - 25 min. - Color - Portland Cement Co. Explains the correct way to mix concrete and some of the uses for it.	TV	1.00
* LIFE CYCLE HOUSING FOR HOGS - 22 min. - Color - Douglas Fir Plywood Assn. . . The film shows how fir plywood can be used in housing for hogs. Plywood is promoted, although the advertising is not particularly objectionable. Various housing structures for farrowing, pig raising, and fattening are described. The practices and buildings featured are adapted to raisers of large numbers - one to two thousand hogs a year.	TV	1.00
LIVE POWER HARVEST - 25 min. - Color - Standard Oil Co. The story of the 4-H Tractor Maintenance Program. It is suitable for 4-H leader meetings and 4-H club meetings. It would be especially valuable for 4-H tractor maintenance members at a local tractor clinic or some other similar county event.		1.00
MAGIC LINK, THE - 20 min. - Color - Jan Handy Organization The story of a family having difficulties with their many electrical appliances due to inadequate electrical wiring. It illustrates the dangers of poor wiring and also the corrective measures that should be taken. Suitable for adult audiences and 4-H and rural youth groups.		1.00
MR. FARMER BUILDS A SEPTIC TANK - 23 min. - Color - Portland Cement Assn. . . Shows the do's and don'ts in building a septic tank on the farm. The advantages of having a water supply and sewage disposal system are brought out. Suitable for all adult audiences and older 4-H or Rural Youth groups.	TV	1.00

AGRICULTURAL ENGINEERING AND ELECTRIFICATION	(Cont.)	- Movies Service Charge
<p>PAGEANT OF PROGRESS - 20 min. - Color - Sponsored by J. I. Case. . . Shows the development of plows from the crude, forked stick used by early man, to the present modern tractor plow. It also portrays the development of grain and seed threshing from the treading of animals and the use of the flail in the early days to the use of modern combines.</p>		1.00
<p>PRINCIPLES OF ELECTRICITY - 24 min. - Color - General Electric Co. . . This film would be useful in discussing farm mechanics projects with 4-H members or in teaching farm classes in vo-ag. program. It shows graphically what positive and negative charges are and how they produce a current. This film contains no advertising.</p>		1.00
<p>RANGE SHELTERS - 9 min. - Black and White - University of Minnesota. . . Describes the advantages of a portable range shelter for growing chicks. Cora Cooke points out various features of this low-cost type of housing. Also for TV.</p>	TV	.50
<p>RECONDITIONING A GRAIN DRILL - 31 min. - Black and White - U. S. Office of Education. . . Shows how to inspect and repair a typical grain drill; how to clean and lubricate the fertilizer and seeding machines; how to repair disc furrow openers, drive chains, and the pawl assembly; and how to calibrate the seeding mechanism.</p>		1.00
<p>RECONDITIONING A TWO-BOTTOM TRACTOR PLOW - 25 min. - Black and White - U. S. Office of Education. . . Shows how to check and repair the wheel assemblies and the power lift assembly; how to recondition the plowshares; how to adjust the coulter; and how to check and adjust the furrow wheels in the field.</p>		1.00
<p>REPAINTING A FRAME BUILDING - 18 min. - Black and White - U. S. Office of Education. . . Shows how to prepare a building for painting; how to set up staging; how to prepare paint; how to apply the prime and second coats; and how to care for brushes, paint and equipment.</p>		1.00

AGRICULTURAL ENGINEERING AND ELECTRIFICATION (Cont.) - Movies

		<u>Service Charge</u>
ROPP FARM STORY, THE - 18 min. - Color - Asbestos Cement Products. . .How the farm buildings one man's farm were made more attractive and also weatherproof by using asbestos shingles. Suggest several uses for these shingles and ways to put them on. Good for adult or senior high students.	TV	1.00
SAFE WIRING - 7 min. - Black and White - Andrew Hustrulid A graphic presentation of the dangers of overloading electric circuits by adding larger fuses and by plugging in too many appliances to a single line.	TV	.50
TRACTOR TRAGEDIES - 12 min. - Black and White - Kansas State Farm Bureau. . .Shows safe and unsafe methods of hitching machinery to tractors. Protection from the power take-off is stressed also. Causes and prevention of tractor tipping are shown. The film would be suitable for any tractor safety discussion.	TV	1.00
TREAT WOOD RIGHT - 20 min. - Color - Dow Chemical Co. Shows the commercial process of treating wood with penta. It tells how treated poles and posts can be used on the farm. Points out the cooperation between the U. S. Department of Agriculture and industry in developing this treating process. The film contains no advertising.		3.00
WELDING COMES TO THE FARM - 27 min. - Black and White - Lincoln Electric. . .Explains how an electric welder can be used on the farm. Gives actual instructions in the operation of a welder and shows how a farmer can save money by having one. Good for almost any group except young children. A farm girl is the star in this picture.	TV	1.00

AGRONOMY - FIELD CROPS

BETTER FARMING WITH SILOS AND SILAGE - 13 min. - color - Portland Cement Assn. . .Shows recommended practices for ensiling different types of forage crops and the advantages of feeding silage. Film also describes the construction of an upright concrete stave silo.	TV	1.00
BETTER SEEDS FOR BETTER GRASSLANDS - 30 min. - Color - USDA. . .This is a story of the breeding and release of better legume and grass varieties for grassland improvement. Dr. Will Myers, head of the University of Minnesota Agronomy Department, is the central figure. The film explains activities of the foundation seed project and the extreme care that is taken all along the line from breeder's laboratory to the farmer. It emphasizes the part that improved varieties under proper management can play in helping to raise our standards of living.		1.00

AGRONOMY - FIELD CROPS

(Cont.) - Movies

		<u>Service Charge</u>
<p>CASH IN ON CORN - 20 min. - Color - National Fertilizer Association. . . Tells how a farmer should go about producing 100 bushels of corn per acre on his land. It gives ten steps necessary for these high yields; the relative benefits to the soil from practices designed to produce 100-bushel yields compared to practices for low yields; and the profit potentials of high corn yields. The film was produced under the guidance of some of our top agronomists and soils experts. An excellent film, Harold Jones says, to go along with presentations on increased corn yields. Fits into the more-corn-per-acre theme stressed so much recently.</p>	TV	1.00
<p>CHOP THE CROP - 22 min. - Color - J. I. Case Company An excellent film outlining the methods and materials used for ensiling grasses and legumes as well as corn. Much of the film deals with various types of silos that have been successfully used under actual feeding conditions. A number of recent developments are covered such as the plastic silo seal and vertical type self-feeding silo. This is one of the latest films produced on the subject of silage.</p>		1.00
<p>CORN - 17 min. - Color - USDA . . . Somewhat similar to the popular film, CASH IN ON CORN. Shows the latest approved methods of achieving increased yields and more efficient production of this crop, based on research. It includes the latest information on hybrid varieties; methods of land preparation; crop rotation; efficient planting; cultivation; weed and insect control; picking practices; and modern storage methods.</p>	TV	1.00
<p>CORN MATURITY DATES ARE IMPORTANT - 6 min. - Black and White - Ed Jensen and Ernest Rinke. . . Film points out the farmers' stake in University of Minnesota's corn trials. It shows maturity zones in the state, the importance of maturity dates and buying good, recommended seed corn. Results of actual corn maturity trials are shown.</p>	TV	.50
<p>CORN YESTERDAY AND TODAY - 9 1/2 min. - Black and White - University of Minnesota. . . Film was made to show results of the demonstration of cultural methods on corn in Goodhue County. Present day methods were contrasted with those of 30 years ago. Fertilization, variety, erosion control, weed and insect control are stressed. Narration is by Harold Jones and Ed. Jensen.</p>	TV	.50

AGRONOMY - FIELD CROPS

- (Cont.) - Movies

	<u>Service Charge</u>
DEEPER ACRES - 28 min. - Color - National Fertilizer Ass'n. Shows how a combination of fertilizers and deep-rooted legumes can build up soil and produce higher yields.	1.00
DO VARIETIES RUN OUT? - 5 min. - Black and White - TV Ed Jensen. . Varieties do not change genetically. The film points out that lower yields result from such factors as disease, reduced soil fertility, mixing of varieties, insects and weather.	.50
ESTABLISHING ALFALFA - 13 min. - Black and White - University of Wisconsin. . . This film adequately covers the establishment of alfalfa in a general way without specifics on any one variety. It emphasizes recommended soil practice connected with establishing a new seeding of alfalfa.	1.00
ESTABLISHING BETTER STANDS OF GRASSES AND LEGUMES- 22 min. - Color - Iowa State College. . . Opens with two greenhouse experiments describing proper soil bed and depth of planting. Continues with Iowa scenes of seeding with various drills, broadcast, etc., and describes the rate of seeding cover crops, care of young legume-grass stands, fertilization, etc. A few points are not completely applicable here.	4.80
FROM HARVEST TO HARVEST - 30 min. - Color - Indiana Farm Bureau. . . Shows how grain is handled to keep it in top condition for consumer use. Sanitation practices are explained and stressed. Would be excellent to show for elevator meetings or for any group of farmers where grain handling is being discussed. It is not intended for a consumer audience although it might be all right on some occasions.	4.80
GRAIN MARKETING AND SANITATION - Black and White - TV Harold Pederson, Extension Economist in Marketing. . . Consideration of all factors which affect sanitation of grain, from spraying of grain to control weeds, keeping clean grain bins, factors of sanitation while the grain is in transit to market, and how the value of the grain is increased by good sanitation.	.50
GRASS SILAGE - 6 min. - Black and White - Rodney Briggs Film gives pointers on evaluating quality of grass silage, on using preservatives (molasses, ground grain and sodium meta bisulphate) and on storage of grass silage.	.50

AGRONOMY - FIELD CROPS

- (Cont.) - Movies

Service Charge

GRASS - THE BIG STORY - 30 min. - Color - USDA. . . Tells how grass can be used to reclaim unproductive, run-down land. Shows how grass can be fit into the different kinds of farming in various parts of the country. Lists some of the still unanswered questions and some of the research work being done. One of the few films on the subject of "Grassland Farming". 1.00

GREEN GOLD - 22 min. - Color - Republic Steel Corporation- Rental: Will be paid by Republic Steel. TV
 Stressing the improvement and effective use of grassland agriculture and livestock, this film features Dr. W. M. Myers, head of the Dept. of Agronomy and Plant Genetics, University of Minnesota. The story includes the successful application of latest methods of seeding, fertilization, harvesting and grazing grassland as promoted by a boy for his father's farm. The use of modern machinery and techniques described in the movie further the cause of grass-livestock farming.

HAY IS WHAT YOU MAKE IT - 22 min. - Color - USDA 1.00
 It emphasizes the value of clean hay fields, cutting at the right stage and proper curing. This film is suitable for youth as well as adult audiences.

LIFE OF A PLANT, THE - 13 min. - Black and White - USDA 1.00
 1935. . . Although not new, this film is still very good. It contains nothing out-of-date. It shows by time-lapse photography the growth of a seed from the time it falls to the ground until it has developed into a full-grown plant. The different stages characteristics, and development of the different parts of the plant in process of growth are explained. Use of magnifying lenses for photography bring out important botanical details.

MAKING THE MOST OF A MIRACLE - 27 min. - Color - 1.00
 American Plant Food Council. . . Explains how plants manufacture food. Shows in graphic form the various nutrients needed by plants-some from the soil and others from the air. Pictures deficiency symptoms in growing plants. Suggests that commercial fertilizers can be used to hold and raise the fertility levels. Contains no advertising.

NATURE'S NEED FOR NITROGEN - 25 min. - Color - TV 1.00
 Standard Oil Co. . . The need for nitrogen by plants is stressed. Time lapse photography shows how nitrogen affects bacterial action in the soil and affects the growth of plants. Anhydrous ammonia is promoted intensively all the way through with examples of how corn yields have been increased because of it.

AGRONOMY - FIELD CROPS - (Cont.) - Movies

Service
Charge

- * **NATURE'S NEED FOR NITROGEN** - (continued) - Anyone using this film should explain to his audience that there are other forms of nitrogen fertilizer and other kinds of fertilizer besides nitrogen. Excellent close up photography showing how plants grow and use nitrogen.
- ONE EQUALS FOUR** - 20 min. - Color - J. I. Case 1.00
A good film dealing with pasture renovation. Names three objectives in better pasture management and suggests ways of accomplishing them. Advances the idea that one acre of really good pasture can be equal to four acres of poor pasture.
- SEED DISPERSAL** - 11 min. - Color - Ency. Britannica 2.40
Shows how seed is dispersed by wind, water, animals, man and mechanical means. Time-lapse photography is used to illustrate actual movement of seeds.
- SEEDS AND SCIENCE - THE WESTERN STORY** - 28 min. - 1.00
Color - Calif. Seed Assn. . . This film explains the careful planning which goes into breeding and producing alfalfa seed on the west coast. Many steps in the process are shown. Purpose of the film is to show others why they should sow western grown alfalfa seed. Very little direct advertising. Any adult or young farmer group would enjoy the film.
- SO SHALL YE REAP** - 35 min. - Color - Flax Institute of TV 1.00
U. S. . . . This film was produced in 1947 and it does a good job of telling and showing how flax can be worked into the plans of any farm.
- SOYBEANS, THE FEATURE STORY** - 22 min. - Soybean TV 1.00
Institute. . . . Shows how soybeans fit into the farm management plan and suggests cultural practices.

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

General

- ANIMAL BREEDING** - 15 min. - Black and White - Encyclo- 3.00
pedia Britannica. . . . Describes the basic principles of genetics in animal breeding. It traces the study of genetics from the time of Mendel through Bakewell's work and to the present day. Purpose of the film is primarily to present basic information.

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

General (cont.)

Service Charge

<p>BOVINE CONTAGIOUS PLEUROPNEUMONIA - 28 min. - Color - USDA. . . . This film reports incidence of this disease and shows tissues and organs of affected animals. Control by vaccination and other measures in Australia is described. Film was made in Australia. It would be of particular value to veterinary regulatory officials and other professional veterinarians. <u>If it is used with farm groups, a veterinarian should be contacted first.</u></p>	<p>1.00</p>
<p>BY-PRODUCTS OF THE MEAT PACKING INDUSTRY - 11 min. TV Color - Swift and Co. . . . This picture is animated. It shows the importance of using by-product materials and how science has discovered and developed ways of using them. It shows how the use of waste products makes a bigger gain for the meat producers. A good film for use in any type audience.</p>	<p>1.00</p>
<p>DO UNTO ANIMALS - 22 min. - Black and White - USDA This picture tells in a very interesting way how to handle livestock as it is being shipped to market.</p>	<p>1.00</p>
<p>FEEDING FARM ANIMALS - 22 min. - Black and White - USDA. . . . A film designed to give basic facts on feeding and stimulate the desire of farmers to learn more from bulletins, magazines, and books. The information is presented as practical advice from an experienced farmer to his young neighbor.</p>	<p>3.00</p>
<p>HEALTHIER LIVESTOCK THROUGH RESEARCH - 7 min. - Black and White - USDA. . . . A tour of the new Plum Island Animal Disease Laboratory of the USDA. This laboratory, dedicated in September, 1956, is located half a mile off the tip of Long Island and will be working on foot and mouth disease. It will be closed to the general public. The film points out the extreme care that is taken to prevent infection from outside sources.</p>	<p>TV .50</p>
<p>IN THE BEGINNING - 17 min. - Black and White - USDA Prologue to life. Remarkable time-lapse cinematography of the ovulation, fertilization and early development of the mammalian egg. Unusual exposition of a biological subject in the layman's language.</p>	<p>1.00</p>
<p>IT PAYS TO TAKE IT EASY - 14 min. - Black and White - Allis Chalmers . . . An excellent film for showing losses to the livestock industry and farmers due to injuries. It tells the story of two Faribault County livestock loss prevention demonstration teams and how they sold the idea of livestock conservation in their local community. The film is</p>	<p>1.00</p>

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE - (Cont.) - Movies

Service
Charge

General (cont.)

- IT PAYS TO TAKE IT EASY - (continued) - a good one to sell 4-H'ers and FFA boys on demonstrations and to promote better handling of livestock. Good for adults too. The local angle makes this especially interesting in Minnesota.
- LIVESTOCK AND MANKIND - 10 min. - Black and White - 1.00
USDA. . . . Animal husbandry and veterinary science increase the usefulness of domestic animals to mankind. Illustrates how the United States Department of Agriculture and the states cooperate in the eradication of diseases; inspection of herds; laws regulating dairy conditions and livestock and poultry improvement. Film is of interest to all farm groups.
- OUTBREAK - 29 min. - Color - USDA. . . The story of foot-and-mouth disease, the centuries' old plague affecting cloven-hoofed animals that has swept over the Old World time and again and played havoc with the livestock industry of every country it touched. The film documents foot-and-mouth disease from its earlier history to the outbreaks in the United States and the Mexican outbreak. 1.00
- RINDERPEST - 20 min. - Color - USDA. . . This is a technical picture designed for veterinarian training and shows the history and geographical distribution of Rinderpest, a disease of cattle, sheep and goats. The film is useful for the student in studying this disease and measures to prevent its introduction into the U. S. 1.00
- RUMEN STORY, THE - 25 min. - Color - Ralston Purina Co. . . . A story of what goes on inside a cow's rumen. It gives a good description of the first step in the digestive process. Bacterial action and the part microorganisms play are pictured. The film is free from advertising. 2.00
- TESCHEN DISEASE - 15 min. - Black and White - USDA 1.00
A disease of swine affecting the nervous system. Shows and discusses similarities with other diseases and deficiencies. Must be ordered with the approval or on request of local veterinarian.
- YOUR MEAT INSPECTION SERVICE - 30 min. - Color - 1.00
USDA. . . . Shows the services performed by the Federal Meat Inspection Service and how the public is protected. Grading of beef and hogs at a packing plant is described. The scientific measures used in inspection are stressed. The film could be used effectively in groups of livestock raisers, homemakers or others interested in food.

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE - (Cont.) - Movies
Service Charge

Beef

MODERN BEEF CATTLE - 22 min. - Color - American
Aberdeen Angus Association. . . .A good film to use in
teaching the fundamentals of judging beef cattle. It sug-
gests a score card to follow and explains each point. The
film also includes an interesting explanation of desirable
features to look for when selecting an animal for slaughter.
The carcass cuts are marked out with white paint on a
live animal. Some advertising of the Angus breed is in-
cluded. 1.00

Dairy

ALL THE THINGS WE'VE WANTED - 29 min. - Color -
Kraft Foods, Inc. . . .A general interest film in the field
of feeding dairy cattle. It tells how a dairy farmer and
his family equipped their house by doing a better job of
feeding their dairy cattle. It shows several practices
relating to feeding and harvesting roughage. Some of the
crops are not suited to Minnesota farms. This should be
previewed before being used. 1.00

BATTLING BRUCELLOSIS - 20 min. - Color - USDA 1.00
A USDA film on the control of Bang's disease. This should
be excellent in a county where a campaign is being put on.

BRUCELLOSIS RING TEST - 5 1/2 min. - Color - USDA TV .50
Shows how the brucellosis ring test is used on milk
samples from dairy herds as a screening procedure to
locate herds containing infected animals. This film was
intended to supplement the older one entitled "Triple
Threat of Brucellosis".

COW AND I, THE - 27 min. - color - Kraft Foods Inc. - TV 1.00
This is the story of a young couple who inherit a cow
and don't know what to do with it. Their experiences,
mostly comical, bring out several practices which good
farmers follow in producing high quality milk. The film
is largely entertaining, although it does teach a few lessons.

GOOD MILKING PAYS - 13 min. - Black and White - TV 1.00
Univ. of Wis. . . .Shows how to milk properly with a
machine. Stimulation of milk flow and correct placing
of teat cups are explained. One of Wisconsin's television
films.

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE		- (Cont.)	- Movies
			<u>Service</u>
			<u>Charge</u>
<u>Dairy (cont.)</u>			
<p>INSIDE A COW'S UDDER - 6 min. - Black and White - All year - Alvin Weber. . . .A somewhat technical presentation of the internal structure (lobule unit, alveolus and milk ducts) of a cow's udder. Shows how and where milk is made and secreted. Shows a cross section of udder and a reconstructed model of alveolus.</p>	TV		.50
<p>INSIDE STORY OF MODERN MILKING - 30 min. - Color - Sponsored by Coop. . . .Shows how milk secretion takes place and explains the let down of milk. Emphasizes recommended practices in using milking machines. This film is quite similar to "No Hand Stripping" made by Babson Bros. and featuring Dr. W. E. Peterson,</p>			1.00
<p>JOHN MARTIN AND SON - 22 min. - Black and White - Kraft Foods Inc. . . .A sound picture on how milk production can be increased through herd testing and bookkeeping. It plays up 4-H, Future Farmer and County Fair activities.</p>			1.00
<p>MILK AND THE DAIRY COW - 5 min. - Black and White - All Year - Ralph Wayne. . . .Film describes marvels of the dairy cow such as converting roughage to milk. Film shows world's champion milk producer, annual U. S. milk production and what's in a quart of milk.</p>			.50
<p>MILK PARADE - 10 min. - Color - Milk Industry Foundation Shows the processing of milk in a modern sanitary dairy. Emphasizes the safeguard on quality. Intended primarily to show urban distribution of milk.</p>			1.00
<p>MORE PROFIT PER ACRE - 20 min. - Color - American Jersey Cattle Club. . . .Story of a family which improves its lot through dairy cattle. Shows some of the activities of the home office of the American Jersey Cattle Club.</p>			1.00
<p>NO HAND STRIPPING - 40 min. - Color - Babson Bros. (Surge). . . .Dr. Peterson's second film which deals with the techniques of milking.</p>			1.00
<p>POWER OF PENNIES - 30 min. - Color - American Dairy Assoc. . . .Explains why the American dairy farmer must advertise his product if he is to maintain the present market. Shows how \$1 spent for advertising through the ADA can do the work of \$12. Minnesota is one of the original states in the association which now covers 40 states. The film points out how a greatly increased advertising program can be financed.</p>			1.00

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

- (Cont.) - Movies
Service
Charge

Dairy (cont.)

- QUALITY MILK PRODUCTION - 28 min. - Black and White - 1.00
Kraft Foods, Inc. . . A film which shows how farmers can produce higher quality milk by better dairy practices. Sanitation and proper cooling of milk are stressed.
- QUALITY MILK WITH LESS LABOR - 18 min. - Color - 1.00
Portland Cement Assn. . . . Demonstrates approved methods of cleaning dairy utensils for the production of quality milk. It also shows the adaptation of conventional type to pen type barns. The film would be very helpful to introduce a discussion on milk houses or pen type barns. The field is not completely covered but a number of considerations are presented.
- SCIENCE OF MILK PRODUCTION, THE - 33 min. - Color - 1.00
Ralston Purina Co. . . This is Dr. W. E. Petersen's first picture and deals with nutrition and milk secretion.
- TRIPLE THREAT OF BRUCELLOSIS - 30 min. - Color - TV 1.00
USDA 1951. . . This film tells the story of brucellosis, a disease that each year takes a heavy toll of livestock, causing huge losses to the livestock industry, and attacks humans in the form of undulant fever. The picture covers three phases of brucellosis as it attacks animals, and shows the nature of the disease and recommends measures for control and eradication.
- TURN ON THE SALES POWER - 20 min. - Color - American Dairy Association. . . This is a promotional film for ADA and for the dairy industry. It shows what the ADA is doing to promote greater use of dairy products and has special significance here in Minnesota. In it are Bob Hope and Bob Crosby. 1.00

Sheep

- BLUE TONGUE - 9 min. - Color - USDA. . . . Shows the history, symptoms and characteristics of this disease of sheep. The film explains transmission and suggests means of prevention and control. It was made primarily for use in schools of veterinary medicine and for practicing veterinarians. Must be ordered with the approval or on request of a local veterinarian. 1.00

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

- (Cont.) - Movies
Service
Charge

Sheep (cont.)

COOPERATIVE WOOL - FROM FLEECE TO FABRIC - 33 min. - Black and White - USDA. . . . The story of wool, showing western range flocks, sheep dogs, and sheep shearing. Marketing is an important chapter of this story. Shows cooperative wool marketing in detail. This film can be used to show the principles of cooperatives or for the story of sheep raising.		1.00
CULLING SHEEP - 10 min. - Color - Union Pacific Railroad Western scenes of sheep culling that are quite usable for Minn. raisers, desiring to improve their flock for both meat and wool production. Includes methods of culling, culling layouts, comparison of wool and meat quality, and selection of ewe lambs and breeding rams.		1.00
SAVE MORE LAMBS - 11 min. - Black and White - USDA Practices in helping to save more lambs in the flock are given in this picture. Feed and care of pregnant ewes and help in delivering lambs is shown. Docking the lamb with a hot iron or rubber binder is demonstrated.	TV	1.00
SCRAPIE - 8 min. - Color - USDA. . . . Briefly reviews the history of scrapie, an obscure disease of sheep. It shows key symptoms, methods of diagnosis and tells ways of combating the disease. Made primarily for schools of veterinary medicine and practicing veterinarians.		1.00
SHEEP SHEARING - 21 min. - Black and White - USDA How to handle sheep for shearing; the step-by-step procedure in shearing; and the method of rolling and tying the fleece.		1.00
STORY OF PHENOTHIAZINE, THE - 22 min. - Color - DuPont. . . This is a picture which traces the discovery of phenothiazine from the very beginning to its present extensive use in treating livestock. One of the best films on the subject.		1.00
TAILOR-MADE SHEEP - 10 min. - Black and White - USDA Describes the development of the two breeds of sheep - Columbia and Targhee. Shows a lot of the steps in the experimental process of selection by characteristics. Tells something of the importance of sheep in the U. S.	TV	1.00
WESTERN SHEEP - 22 min. - Color - Union Pacific Railroad Tells the story of sheep raising in the west. A large number of recommended practices are shown. While the setting is in the western states most of the practices apply to our own state.		4.80

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

- (Cont.) - Movies
Service
Charge

Sheep (cont.)

YOUR LAMB GOES TO THE FAIR - 12 1/2 min. - Black and White - U. of Wis. . . This film shows how to train and fit a lamb for the fair. All of the steps commonly used in fitting lambs are demonstrated. An excellent film for 4-H or FFA members who will be exhibiting lambs. TV 1.50

Swine

FARROWING PIGS - 12 1/2 min. - Black and White - U. of Wis. . . Shows steps the herdsman can take to insure safe delivery and healthy pigs. Recommended equipment, such as pens, heat lamps, etc., are included. The film could be used for any group discussing swine management. TV 1.50

HOG CHOLERA - AFRICAN SWINE FEVER, A COMPARISON - 23 min. - Color - USDA. . . Shows autopsies of several swine affected with cholera, and explains some of the characteristics. Lesions and pathologic changes of organs and tissues are shown. African swine fever, a highly fatal disease, is described. This film has been used by the University's School of Veterinary Medicine and is intended primarily for professional use. If it is to be used with a farm group, the local veterinarian should be contacted first. 1.00

HOGS FOR PROFIT - 25 min. - Color - U. of Minn. and George A. Hormel. . . This film was produced at the request of county agents who asked for a picture on recommended type and swine management practices. Script and voicing is by H. G. Zavoral, extension specialist in animal husbandry. The film includes such practices as building farrowing stalls, selecting brood sows, and shipping to market. Feeding is mentioned but not discussed. TV 1.00

HOG SENSE - 25 min. - Color - Union Pacific Railroad Here's a good over-all swine management film with a slightly Western flavor containing many practices applicable in Minnesota. Produced in 1953, it covers up-to-date methods of breeding, raising, and marketing and shows some practices never before filmed. 1.00

LEANER HOGS AND LONGER PROFITS - 25 min. - Color - Chicago Union Stock Yards. . . This is the story of an Illinois farmer who changed from lard type to meat type hogs. It shows good swine management practices and the benefits of meat type hogs to both the farmer and the consumer. Film is suitable for any type audience where swine is the topic for discussion. TV 4.80

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE

- (Cont.) - Movies
Service
Charge

Swine (cont.)

<p>NATIONAL BARROW SHOW - 30 min. - Black and White - Lederle Lab. . . Tells the story of the 1953 National Barrow Show. It features showing and judging of Chester Whites, Yorkshires, Durocs, Hampshires, Berkshires, and Spotted Polands. 4-H and FFA judging contest are included. The film is concluded with a good summary by H. G. Zavoral and Carroll Plager. It would be suitable for any audience interested in livestock.</p>		1.00
<p>PIG PROJECTS MAKE PROFITS - 13 min! - Color - United Duroc Record Assn. . . Gives suggestions for points to consider in purchasing the bred gilt. Shows construction of individual house, importance of sanitation and water. Duroc hogs are shown but are never mentioned by breed.</p>	TV	1.00
<p>PORK ON THE FARM - 22 min. - Color and Black and White - USDA. . . Illustrates butchering, cutting, storing, and curing of pork. It tells briefly of hog raising on a small scale which would be <u>Better adapted to northern counties than in the corn belt.</u></p>	TV	1.00
<p>PORK PEOPLE LIKE - 12 min. - Color - U. of Illinois Compares the profit from raising meat type hogs with that from the fat type. Shows carcasses of each type and explains why meat from the lean type is in more demand. Ideal boars and gilts of the meat type are featured.</p>		3.00
<p>PROBING FOR PROFITS - 18 min. - Black and White - Iowa State College. . . The film shows procedures used in Iowa to select meat type hogs on the farm. Advantages of the meat type hog are well illustrated. Would be effective at any meeting where young or adult farmers were discussing swine.</p>	TV	3.00
<p>SAVING LITTLE PIGS - 10 min. - Color - Union Pacific Railroad. . . Shows steps in caring for the sow, getting equipment ready and handling little pigs so more per litter will be saved. It is an excellent film for adults or young people interested in the swine enterprise.</p>		1.00
<p>THREE MORE LITTLE PIGS GO TO MARKET - 22 min. - Color - Portland Cement Assn. . . This picture shows how hogs can be raised on concrete.</p>		1.00

ANIMAL HUSBANDRY - BEEF, DAIRY, SHEEP, SWINE	- (Cont.)	- Movies <u>Service</u> <u>Charge</u>
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Swine (cont.)

<p>VESICULAR EXANTHEMA - 21 min. - Color - USDA Shows the start of Vesicular Exanthema in California and the spread of the disease throughout the United States. Shows the way in which Federal and State Disease control agencies approached the problem on controlling the disease through legislation requiring the cooking of garbage feed. Must be ordered with the approval or on request of a local veterinarian.</p>	1.00
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ENTERTAINMENT AND GENERAL INTEREST	- Movies
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<p>AN AGRICULTURAL PORTRAIT - 26 min. - Color - Minn. Centennial Commission. A top quality professional film produced by Reid Ray Film Industries, highlighting the development of Minnesota agriculture from territorial days to the present. It is a story of the land and its people, a story of how folks on farms and in the cities have worked together. Excellent photography shows the many varied industries that make up Minnesota's economy. The film would fit into almost any group situation either for entertainment or for teaching Minnesota's agricultural background.</p>	TV	none
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<p>AGRICULTURE STORY, THE - 13 1/2 min. - Color - USDA - A summary of the many fields of work done by the United States Department of Agriculture. Accomplishments of USDA are shown. Film unfolds the story of how American Agriculture has reached a high point in efficiency.</p>	TV	1.00
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<p>BANDAGES AND BULLETS - 20 min. - Color - Johnson & Johnson. . . . Film shows historical development of bandages and shows that bandages are as important as bullets. Little emphasis is placed on practical application of using bandages. The film would provide entertainment for a group studying first aid.</p>	TV	1.00
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<p>BELTSVILLE NEWSREEL - 20 min. - Black and White - USDA. . . . A series of three television shorts showing work being done at the Beltsville Experiment Station.</p>	TV	1.00
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We have now put them together on reels numbered 1, 2, and 3. Here are the subjects and running time of each reel.

ENTERTAINMENT AND GENERAL INTEREST

- (Cont.)

- Movies

Service
Charge

- #1. - 30 minutes
Super Easter lilies, insecticides, powdered fertilizer, fatherless turkeys, improved weed killers, better vegetables, twin calf research, Zoysia grass, slab silo, better strawberries, inoculating soybeans, adding fat to turkey feed, stilbestrol in feed for steers, new fruit juice powder, better leather.
- #2. - 20 minutes
New source of cortisone from Mexican yams, better plastics, cotton that holds a crease because of resin treatments, gibberellic acid and its effect on plant growth, dextran as a blood plasma extender, fats for better turkey feeds, new detergents - fat and non fat, safer work clothes because of fire-proofing.
- #3. - 20 minutes
Better candles with whey, global spread - a new dairy product, paints that bend, rat-proof cloth, potato magic, shrink-proof wool fabrics, peaches - harvesting through marketing, wool marketed cooperatively.

These films are made up of short segments one to three minutes long, showing current research at the United States Department of Agriculture's experiment station at Beltsville. Groups which would be interested include service clubs, adult classes and older youth.

- * **THE CHANGING SCENE** - 17 min. - Black and White - NAPC TV 1.00
One in a series of communications training films. This film shows how the change in farming over the years has made it necessary for ag leaders to change their methods of communicating. The film is intended to inspire county agents and other ag leaders to keep up with the changing scene. It would be useful in working with a program planning committee.
- FLOOD WEATHER** - 30 min. - Black and White - U. S. 1.00
Weather Bureau. . . A newsreel type of picture describing floods of the Potomac and the Missouri Rivers. Shows how the Weather Bureau aided rescue workers by giving weather information and flood crest warnings.
- HANNIBAL VICTORY** - 55 min. - Color - USDA. . . This 1.00
film tells the story of a large transport as it loads in a Pacific harbor, crosses the ocean, and unloads in the Phillipines. The pictures were taken during the latter part of the war.
- HELPFUL HENRY** - 22 min. - Black and White - International 1.00
Harvester Co. . . A comedy. It will produce a good laugh in any audience. Shows the mistakes a city chap makes on his first trip to the farm.

ENTERTAINMENT AND GENERAL INTEREST

- (Cont.) - Movies

Service
Charge

<p>HORIZONS UNLIMITED - 23 min. - Black and White - U. S. Highway Assn. . . A very interesting film on the romance and progress of travel and the development of our high-ways. It shows many of the little heard of means of transportation and how they all link together to form the system of highways in the U. S. It contains no advertising.</p>	TV	1.00
<p>HURRICANE WATCH - 15 min. - Black and White - USDA It briefly describes the methods used in locating and tracking down hurricanes. It also explains the meaning of "hurricane warning" and "hurricane watch" and tells how information is disseminated. Shown too, are safety precautions that should be taken to minimize loss of life and property.</p>	TV	1.00
<p>NEW HORIZONS - 23 min. - Black and White - Seaboard Railroad. . . This picture gives a panoramic view of activities in the southeastern states. Industry, agriculture, forestry and recreation and general scenery are shown.</p>	TV	1.00
<p>OPERATION HURRICANE - 15 min. - Black and White - U. S. Weather Bureau. . . Shows how weather bureau warning centers reduce the hurricane menace along the east coast. Precautions against damage are suggested. The nature of hurricanes is shown by animation. This is an interesting film suitable for almost any general meeting.</p>	TV	1.00
<p>POWER BEHIND THE NATION - 25 min. - Color - U. S. Treasury Dept. . . This picture describes the greatness of the U. S. It was made from a Hollywood production and is an excellent piece of work. The film is sponsored by the Treasury Dept. and is suitable for any audience you might have.</p>	TV	1.00
<p>PRICE OF FREEDOM, THE - 23 min. - Black and White - National Association of Manufacturers. . . This film demonstrates that the "price of freedom" is a matter of individual responsibility and that personal freedom can be lost through apathy, disunity, and misunderstanding.</p>	TV	1.00
<p>RABIES CAN BE CONTROLLED - 10 min. - Color - Lederle Tells how dogs can be vaccinated to prevent rabies. Explains the disease and its importance to humans. Shows steps in testing the vaccine and the care with which it is made.</p>		1.00
<p>SNOW HARVEST - 25 min. - Color - USDA. . . This is a story of the important activity of making snow surveys in the mountains of the west and shows the techniques of measuring snow to forecast irrigation and other water supplies, in detail. Shows winter mountain scenery rarely looked upon by man.</p>		1.00

ENTERTAINMENT AND GENERAL INTEREST - (Cont.) - Movies

Service
Charge

TORNADO - 18 min. - Black and White - U. S. Weather Bureau 1.00
Shows how a tornado warning system which was set up by local weathermen saved lives. Gives procedure for safety of individuals during a storm and also methods and equipment used by weather bureau in locating, warning, and tracking tornados.

ENTOMOLOGY AND RODENTS - Movies

ALFALFA WEEVIL - 12 min. - Color - Hercules Powder Co. 1.00
A field report showing life cycle of Alfalfa Weevil and methods of control using toxaphene. Shows how weevil damages the alfalfa plant and appearance of fields suffering severe damage. Some good close-up shots of this insect.

BEEES AND HONEY - 30 min. - Color - H. A. Schaffer 4.80
Tells the story of beekeeping in an interesting and colorful way but does not try to convince anyone he should keep bees. It includes shots of bees gathering nectar, making honey, preparing for winter. Shows a boy who delighted in teasing bees and finally got stung.

CONTROLLING POCKET GOPHERS - 6 min. - Black and TV .50
White - H. L. Parten. . . Filmed outside showing types of mounds, location of runways, preparation of poisons, tools to use, and placing a bait. Extension Folder 75, "Controlling Pocket Gophers", is offered free.

CORN BORER (IOWA STATE) - 10 min. - Color - Iowa State 2.40
College. . . This is a story of the corn borer showing how it spread from Boston in 1917 to the Midwest in 1949. It includes an explanation of how to detect the presence of corn borers in the field. Satisfactory and unsatisfactory methods of control are shown. Emphasis is placed on detecting the stage at which insecticides give the best results. Equipment used in treating corn borers is also shown.

EUROPEAN CORN BORER - 11 min. - Color - USDA 1.00
This tells the story of the corn borer and suggests control measures. Very practical and down to earth in its treatment of the subject.

ENTOMOLOGY AND RODENTS

- Movies

Service Charge

500,000 TO ONE - 22 min. - Color - Sinclair Refining Co. The most recent film showing how man controls the tremendous potential of insects in agricultural production. Describes the fantastic power of insects to multiply, their adaptability and the necessity for maintaining the fundamental balance of nature while using chemical controls. Research in insecticide development is covered just after the many striking closeup scenes of insects and their development.		1.00
GOOD-BYE FLY - 11 min. - Color - Iowa State College Damage caused by the common fly is shown. Film introduces the subject of fly control and explains why control is necessary. <u>Anyone who shows this film should be familiar with local insecticides that are currently recommended and know how to use them.</u>		2.40
GRASSHOPPERS CAN BE CONTROLLED - 22 min. - Color - USDA. . .Demonstrates <u>how</u> grasshoppers can be controlled through individual and community action. The film explains conditions that are good and bad for egg laying and multiplying and shows how serious outbreaks may develop. Control recommendations are general.	TV	1.00
THE HELPFUL HONEY BEE - 3 min. - Black and White - USDA. . .Features the importance of honey bees in American agriculture. The film contains some excellent close-ups of the bee and illustrates beekeeping techniques.	TV	.50
THE HIDDEN MENACE - 23 min. - Color - USDA A graphic film story of the menace of agricultural pests that can be carried unwittingly from one country to another. It tells of the staggering losses already inflicted by pests and diseases from foreign countries. . .of the constant efforts to keep out such dangerous visitors. . .and of what everyone can do to help. The film explains why Mr. and Mrs. Traveler are subjected to a minor delay by inspectors who look for these hidden menaces in baggage and personal belongings.	TV	1.00
HONEYMAKERS, THE - 22 min. - Color - U. of Minnesota Story of the life of a bee is shown in this film which was made by the entomology division at the University Farm.		1.00

ENTOMOLOGY AND RODENTS - (Cont.) - Movies

		<u>Service Charge</u>
*	KEEP 'EM OUT - 10 min. - Black and White - Public Health Service. Shows the devastation and destruction caused by rats. The film is not new but is effective to show the need for rat control programs. It points out various phases of control for rural and urban groups.	TV 1.00
	KILL 'EM WITH GAS - 15 min. - Color - American Cyanamid Co. . .Shows life habits, breeding places, and methods of controlling rats. There are several tips on rat prevention and destruction of breeding places. Recommends methods of using calcium cyanide gas to kill present rat population. Also tips on places to look for rat burrows and ways to treat them. It includes something on the use of poison baits following the use of the gas. Especially useful in any rat-control program.	1.00
	MENACE OF THE CORN BELT - 10 min. - Color - John Deere . . . This film shows how the European corn borer operates and spreads. Effective control methods are illustrated.	1.00
	NATURAL ENEMIES OF INSECT PESTS - 29 min. - Color - U. of Calif. . .Shows how parasitic insects attack other insects and keep them under control. Life cycles of several insects are pictured. The insects shown are of interest particularly to growers in California but the principles involved are important generally. An excellent film for teaching this method of insect control.	4.80
	RIVAL WORLD, THE - 27 min. - Color - Shell Oil Co. Shows the tremendous loss of life and property caused by insects throughout the world. Contains many close-up shots of insects at work. Several scenes were made in Africa. The film does not discuss local insect control on a practical basis. O. K. for television	1.00
	ROOF RATS - 15 min. - Black and White - Castle Films The habits of the roof and Norway rats are described in this film. Where they are found, what they eat, etc. Good for use in stimulating discussion on rat control, but nothing is mentioned in the film itself about control.	1.50
*	RURAL RAT CONTROL - 16 min. - Black and White - Federal Security Agency. Explains the importance of rat control in rural areas and practical means of getting it done. The film is similar to "Keep 'Em Out" but contains enough different information so both could be used at the same meeting.	TV 1.00

ENTOMOLOGY AND RODENTS

- (Cont .)

- Movies

Service
Charge

- SPITTLEBUG AND ITS CONTROL, THE - 13 min. - Color - Hercules Powder Co. . . A field report showing life cycle and habits of the Spittlebug with emphasis on its attack on alfalfa. . Suggests control measures using toxaphene. Brings in the State Entomologist, County Agent, and farmer. 1.00
- YOUR ENEMY GRASSHOPPER - 22 min. - Color - USDA TV 1.00
Shows the five species of grasshoppers that cause 90% of the damage in the U. S. It describes the life cycle of the grasshopper, explains conditions that are good and bad for egg laying, and multiplying, and shows how outbreaks may develop. Film shows control methods and urges farmers everywhere in the U. S. to fight the hoppers because of their menace to health and prosperity.

FARM SAFETY

- AND THEN THERE WERE FOUR - 23 min. - 2 reels - Black and White - Socony Vacuum Co. . . A safety film designed to impress drivers with the importance of safe driving rules and principles. Care of the equipment, consideration for the other fellow, and common sense on the road are stressed. The picture is suitable for almost any age and type of group. 1.00
- CASE OF TOMMY TUCKER - 22 min. - Black and White - Chrysler Corp. . . A traffic safety film desined for teaching young people. It shows what a community might do in carrying out a program of traffic safety. This film uses the emotional appeal of a young school boy injured in a traffic accident. 1.00
- CHAIN REACTION - 15 min. - Black and White - American Transit Assn. . . The film begins by showing how a day starting off wrong can create a chain of accident situations all day long. The latter part shows how differently the happenings might have been with a little courtesy in the morning. Narration is by Bob Hope. It is an effective traffic safety presentation and closes with a positive approach. TV 1.50
- CLOSED BOOK - 30 min. - Black and White - Ohio Farm Bureau Mutual Ins. Co. . . The film features a doctor practitioner who has cared for many people in the community. He has become somewhat of a fanatic on safety since he lost his wife in a hit-and-run accident. Action centers around a luncheon club of which he is a member. Brings in a young couple for variety. The advantages of a safety committee organization are shown. Near the close the doctor expounds a real safety message, telling how he cared for the various accident victims. TV 1.00

FARM SAFETY - (Cont.) - Movies

		<u>Service Charge</u>
DON'T SKID YOURSELF - 16 min. - Black and White - Aetna Ins. Co. . . Shows the winter driving tests at Pine Lake, Wis., and how they contribute to safer driving. A number of suggestions are given for handling cars on slippery roads. Also for TV	TV	3.00
FARM INCONVENIENCES - 12 min. - Black and White - International Harvester. . . . A film showing how carelessness on the farm can cause accidents. A good comedy.		1.50
FARM PETROLEUM SAFETY - 26 min. - Color - Am. Petroleum Inst. . . Companion to the film "Farm Tractor Safety", already in the library and of equal importance in your safety program. Stresses the safe handling of kero- sene and other petroleum products used on the farm. The emotional impact can't help but make a convert of the viewer to farm petroleum safety.		1.00
FARM TRACTOR SAFETY - 22 min. - Color - Am. Petro- leum Inst. . . Ways to prevent tractor accidents are shown. A model tractor built by U. of Wis. is used to show cause of tractor tipping. Safety rules in the handling of a farm tractor are emphasized.	TV	1.00
FIRE CISTERNS FOR THE FARM - 10 min. - Color - Portland Cement Assn. . . Shows how rural people can have fire protection by constructing a 3000 gallon con- crete fire cistern on the farm. The use of reusable forms is demonstrated.	TV	1.00
FIRE ON THE FARM - 20 min. - Black and White - Bureau of Communications Research. . . Shows ideas of preven- tion and fire protection. It has a good lesson.	TV	1.00
HANDS OFF - 30 min. - Color - Iowa State College Some very good scenes of corn picker accidents. Consists of brief history of several corn picker accidents happen- ing in the middle west. Especially plays up the importance of hands in everyday use. Shows how a few moments of time saved by neglecting to turn off a machine can spell disaster.		4.80
HELP WANTED - 32 min. - Black and White - Johnson and Johnson. . . A good film giving tips on first aid in many different accident situations. This is a good film for gen- eral safety meetings or one where first aid is being stressed.	TV	1.00

FARM SAFETY - (Cont.) - Movies

		<u>Service Charge</u>
IT DIDN'T HAVE TO HAPPEN - 13 min. - Black and White - Int. Film Bureau - An effective safety film dealing with shop safety but involving similar principles of farm safety. The film finally shows a fatal accident caused by careless methods of a fellow worker. It carries a pungent message. Suitable for upper high school or adult classes.	TV	1.50
KITCHEN SAFETY - 10 min. - Black and White - Sound - Young America. . . Illustrates the most common safety problems encountered in the kitchen, and shows how to avoid them.		1.50
LAST DATE, THE - 20 min. - Black and White - Lumber - man's Mutual. . . This is definitely a teen-age driving picture. Teen-agers after a high school football game discuss the term "teenicide." They go to an evening dance. A young boy with a hot-rod crashes with a girl who came to the dance with his pal. (The crash is not shown.) It is a soliloquy by the injured girl. <u>You never see her face</u> , which she bemoans.	TV	1.00
MAKE YOUR HOME SAFE - 12 min. - Bl. & Wh. - Young America Emphasis in this film is on being thoughtful, skillful and careful. Shows how one child in a family changed his attitude and started the whole family on the road to safe living. Points of danger in a home are shown, along with ways to overcome them.	TV	1.50
MIRACLE OF PARADISE VALLEY - 40 min. - Black and White - Sinclair Ref. Co. . . This film shows the need for safety practices and how community action can be or- ganized to promote safety.	TV	1.00
MRS HAZARD'S HOUSE - 13 min. - Color - Encyclopedia Brit. . . . This film was planned for use in young adult meetings. It teaches safety with small children. Anima- tion in the beginning and excellent photography through- out makes it an interesting film.	TV	2.40
NO TIME TO SPARE - 12 min. - Black and White - Ins. Companies of Canada - This is a Canadian film showing the back-pressure-arm-lift, Holgar-Nielson method of artificial respiration. It would be helpful in camps, health meetings or for any group studying health or first aid.	TV	1.50

FARM SAFETY - (Cont.)

- Movies

	<u>Service Charge</u>
ON TWO WHEELS - 12 min. - Black and White - General Motors. . . The story of a juvenile court for bicycle riders. Film shows many safety rules for bicycle riders. The court is operated by children to try to improve bike riding habits. Well suited for 4-H groups.	1.00
OUTLAWING FARM FIRES - 22 min. - Color - Farm Underwriters Assn. . . Shows what causes most farm fires and what can be done to prevent them. Points out in a very vivid way the danger points to look for on every farm.	TV 4.80
PETER AND THE WHIFFLE-HOUND - 10 min. - Color - Liberty Mut. Ins. Co. . . An animated cartoon showing how the reckless attitude of pedestrians contributes to accidents. A good lesson in child traffic safety. This film would be very useful for a group of younger 4-H club members. O. K. for TV.	TV 2.40
SAFE FARM WIRING - 19 min. - Color - Films Production Company. . . Wiring farms and homes safely. This is strictly an educational film - No Hollywood frills--Good narration (Don Riley KSTP) on how electricity can and will assist farm and home work when used safely. Emphasis on good wiring as good farm business with some good color farm scenes. A good film for adult and 4-H groups.	1.00
SAFETY BEGINS AT HOME - 11 min. - Black and White - Young America. . . This is a sound picture which shows about a dozen of the common causes of accidents, in the home, and, of course, ways to prevent them.	1.50
SAFETY IN THE HOME - 13 min. - Black and White - Encyclopedia Britannica. . . As a family is preparing for an outing, mother falls and hurts an ankle. As a result the two children go through the house looking for safety hazards. Suitable for family discussions of home safety.	1.50
SAFETY, OUR #1 CROP - 22 min. - Black and White - General Motors. . . A film telling the story of the national 4-H safety contest. It includes safety suggestions for members working with 4-H safety.	1.00
SAFETY PIN, THE - 25 min. - Color - John Deere and Co. This is the story of a Future Farmer group which is conducting a safety workshop. Shows how they carry out a home hazard hunt on a community wide basis. A number of common farm hazards are pointed out in the home of an accident victim whose son has just been selected as chairman of a newly formed safety committee. Suitable for almost any group but probably best for young folks.	1.00

FARM SAFETY

- (Cont.)

- Movies

Service
Charge

<p>SAFETY WITH A CORN PICKER - 6 min. - Black and White - Prickett. . .A very impressive film of John Anderson, a Winona County farmer who lost both of his hands in a corn picker and how he continues to farm with artificial hands. Prickett narrates and with a model corn picker shows its dangers and offers safety tips.</p>	TV	.50
<p>SAFETY WITH A POWER TAKE-OFF - 6 min. - Black and White - Prickett. . .Prickett uses two model power take-off shafts to demonstrate the importance of keeping shield in place. He shows the torn and tattered clothing of a power take-off accident victim.</p>	TV	.50
<p>TRACTOR SAFETY - 6 min. - Black and White - Rabehl - 4-H boy, Rochester, Minn. . .A very interesting demonstration by a 4-H Club boy using model tractors and showing how to prevent tractor accidents by hitching and driving properly.</p>	TV	.50
<p>TRACTOR TRAGEDIES - 12 min. - Black and White - Kansas State Farm Bureau. . .Shows safe and unsafe methods of hitching machinery to tractors. Protection from the power take-off is stressed also. Causes and prevention of tractor tipping are shown. The film would be suitable for any tractor safety discussion.</p>	TV	1.00
<p>WE DRIVERS - 14 min. - Color - General Motors The gremlin SAFETY SAM has to sharpen his wits against RECKLESS RUDY and others to teach how to be a safe driver. All driving operations from starting the motor to setting brakes are shown.</p>		2.40
<p>YOU'RE DRIVING 90 HORSES - 26 min. - Color - Bell Telephone System. . .This film builds a story around the three "C's" in driving: Concentration, Control and Courtesy. It also teaches defensive driving. An excellent film to teach responsibility in driving to student drivers as well as those who have been driving. There are scenes of probably accident hazards and vehicles which have been in accidents.</p>	TV	1.00
<p>YOUR SAFETY FIRST - 18 min. - Color - Automobile Mfg. Assn. . .Cartoon style drawings trace the history of automobile making through more than half a century. The film stresses work done by designers and manufacturers in making autos more safe. It is entertaining as well as educational.</p>	TV	1.00

FARM SAFETY - (Cont.) - Movies

Service
Charge

YOUR WORD OF HONOR - 24 min. - Black and White - 1.50
Kaiser-Frazer Co. . . A good film on traffic safety for teen-agers. Professional race drivers show interest in eliminating the reckless and poor driving being done by a group of teen-agers in a certain town. After the professional drivers talk to them about the necessity of driving safely, each teen-ager is given a pledge to sign. This film would be excellent for 4-H and younger Rural Youth meetings where highway safety is the topic of discussion.

FORESTRY - Movies

EVERYMAN'S EMPIRE - 22 min. - Color - USDA 1.00
A story of our national forests in beautiful color. The film brings out economic uses of our national forests as well as their recreational values.

* THE FIGHT TO CONTROL DUTCH ELM DISEASE - 19 min. - TV 3.60
Color - Standard Oil. . Shows cause, spread and methods of control of Dutch Elm disease. Symptoms that can be detected by laymen are illustrated. The effect that this disease can have on a community is explained. Governing boards such as city councils, commissioners and park boards would be interested in this film because of the potential menace of Dutch Elm disease in their communities.

FOREST CONSERVATION - 11 min. - Color - Encyclopedia Britannica. . . This film explains the need for careful conservation of America's forest resources. It emphasizes the fact that our country's forests, which were once the mightiest and most varied on the face of the earth, need careful management and protection against fire and insect pests. 2.40

FOREST GROWS, THE - 11 min. - Color - Encyclopedia Britannica. . . The film portrays the dramatic story of the forest as a living, changing, ever-developing community of trees. Scenes are shown taken all over the nation. The closing scenes show how a forest area can be shared by different types of trees, because of their different characteristics. 2.40

FOREST PRODUCES, THE - 11 min. - Color - Encyclopedia Britannica. . . The forest has given three great gifts to mankind - timber, water and beauty for recreation and enjoyment. This film teaches that water is very important and valuable to the nation; also all the lumber and jobs the forest industry furnishes. It suggests that man can continue to receive the riches of the forest as long as he manages them wisely. 2.40

FORESTRY

- (Cont.)

- Movies

		<u>Service Charge</u>
FROM TREES TO LUMBER - 14 min. - Black and White - American Forest Products Industries. . .A documentary type of film dealing with the growing, harvesting and processing of trees for lumber, plywood and allied products.	TV	1.00
FROM TREES TO PAPER - 11 min. - Black and White - American Forest Products Industries. . .Story of the importance of trees to the paper industry. Shows how trees are planted, wood is cut, pulp is made and finally the paper itself.	TV	1.00
FRYING PAN AND THE FIRE - 22 min. - Color - USDA The story of two campers whose trip in the woods was spoiled by a fire they carelessly started.		1.00
IT'S A TREE COUNTRY - 15 min. - Color - American Forest Products Industries. . .Shows the importance of forests to our country and its people. It explains the ex- tent of many uses of forest products. The film covers management, planting, harvesting and prevention of forest fires. A good general interest film.		1.00
LITTLE SMOKEY - 12 min. - Color - USDA - Forest Service. . .A documentary of "Smokey, the forest fire preventin' bear" narrated by Hopalong Cassidy. A little brown bear cub, found clinging with burned paws to a charred tree, becomes famous as Smokey, the Bear. Now a full grown bear, Smokey is the living symbol of the need for applying fire prevention measures in all forests in the United States.	TV	1.00
MAKING MAPLE SYRUP - 10 min. - Black and White - U. of M. (kine). . .A television show by Parker Anderson and Marvin Smith was recorded on film and is available for use at meetings. The film points out how to tap trees, equipment to use in collecting sap and gives other infor- mation about the process. Ray Wolf introduces Parker and Marvin.		1.00
NEW PAUL BUNYAN, THE - 28 min. - Color - Weyerhaeuser -Lumber Co. . .A story of the forest and its products from tree to mill or factory. Reforestation is shown. The need for a continued source of forest products is stressed.		1.00
OUT OF THE WOODS - 17 min. - Color - U. S. Forest Service. . .Depicts the functions of the farm service forester within the framework of a typical case history.	TV	2.40

FORESTRY - (Cont.) - Movies

			<u>Service Charge</u>
PAUL BUNYAN HAD A SON - 13 min. - Color - USDA - 1948			1.00
A story of white pine blister rust in the North Central States. Folklore has it that Paul Bunyan, legendary giant of the lumbering country, cut down the great forests. This film tells of a new Bunyan, Paul's son, John, who is the symbol of conservation. Under John's care, the white pines have come back to the land. Now they must be protected from blister rust. The film shows the damage done by blister rust and explains what steps have been taken in the Lake States to stop the spread of the disease.			
PILING FARM LUMBER - 8 min. - Black and White - Parker Anderson. . . This movie points out briefly the basic considerations and requirements in piling lumber to insure successful seasoning of home grown, custom sawed green lumber.	TV		.50
* PROMISE OF TREES - 27 min. - Color - Weyerhaeuser Superb photography shows tree farm management and integrated utilization of wood. The film follows processes through which wood goes beginning at the tree farm and ending in a modern plant. Excellent pictures of pulp and paper processes.	TV		1.00
RIVER, THE - 40 min. - Black and White - USDA This has been out for a few years, but still is an excellent picture to show the effect of indiscriminate timber cutting on soil erosion and the general prosperity of the people.			1.00
SMOKE JUMPERS - 10 min. - Color - USDA. . . Shows how U. S. Forest Service has developed its own airborne squadron - "smoke jumpers" (parachute firefighters) - to combat forest fires in the remote, roadless areas of our great North country and the Southwest. The film covers both the glamorous and unglamorous aspects of smoke jumping, and carries a dramatic forest fire prevention message.	TV		1.00
SMOKEY THE BEAR - 5 min. - Black and White - USDA A short produced for television use during fire prevention week. This film would add interest to any meeting. It is built around a cowboy song and a group of boys up in a camp in the mountains. Could well be used to supplement another film.	TV		1.00
STRENGTH OF THE HILLS - 11 min. - Black and White - USDA. . . Includes shots of game birds, shaded groves, fishing in the streams, and state parks, and forest. A sequence deals with the lumber industry and the countless uses of wood.	TV		1.50

FORESTRY

- (Cont.)

- Movies

Service
Charge

<p>THEN IT HAPPENED - 11 min. - Color - USDA. . . This is a one reel color film showing the Maine forest fire of 1947. The tragedy of this fire is shown and suggestions for safety are given.</p>	TV	1.00
<p>TIMBER RESOURCES REVIEW - 6 min. - Color - U. S. Forest Service. . . An analysis of what is good and what is bad concerning the management of commercial forest lands in U. S. Emphasis on needful practices on private forest lands is made -- based on the 1955 Timber Resource Review.</p>	TV	1.00
<p>TREE BANK - 12 min. - Color - USDA . . . Film was produced primarily to explain how forestry practices fit into the overall soil bank program. Advantages such as soil, water, and wildlife conservation are explained. Steps in tree production from seed to tree are also shown.</p>		1.00
<p>TREE GROWS FOR CHRISTMAS, A - 11 min. - Color - USDA Tells the story of the Christmas tree in history and legend, and of the Christmas tree industry today. Shows that cutting of Christmas trees, when properly done, is good forestry. It shows how the trees are cut and marketed and how a tree should be properly handled after it is brought into the home. The film ends on a scene showing the Christmas tree fulfilling its traditional destiny. Recommended for general meetings. The film is not specific enough to teach detailed tree harvesting.</p>	TV	1.00
<p>TREE FARMING - 7 min. - Black and White - Marvin Smith Timber! Film points out advantages of tree farming. How to properly manage the farm forest. How to become a tree farmer. How foresters estimate board feet and income from a crop of trees.</p>	TV	.50
<p>TREE PLANTING - 6 min. - Black and White - Spring, Parker Anderson. . . This film shows actual planting of trees by mechanical and hand methods; equipment and tools to use; care of trees before planting and how to plant.</p>	TV	.50
<p>TREES ARE A CROP - 23 min. - Color - National Film Board of Canada. . . Farm woodland management on a Canadian farm is shown. It explains the management and suggests ways of getting larger returns from farm forests. Good for extension work in Minnesota.</p>		4.80
<p>TREES FOR TOMORROW - 24 min. - Black and White - American Forest Products Industries. . . This is a film explaining how planned forest management will provide sufficient trees for the future. Various uses of wood and wood products are pictured.</p>	TV	1.00

FORESTRY

- (Cont.) - Movies

Service
Charge

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| * | <p>VISION IN THE FOREST - 5 min. - Color - USDA
 Features Vaughn Monroe and his family enjoying a camping trip in the forest. Chris Monroe wanders away and sees a Smokey Bear poster come to life. She hurries back with the news and everyone agrees that Smokey is a good friend of the forest. Songs featured in the film include "Racing With The Moon", "Riding In The Sky" and "Smokey The Bear". The Monroe family shows how we all can cooperate with Smokey to prevent forest fires.</p> | TV | 1.00 |
| | <p>WOODLAND MANNERS - 20 min. - Color - USDA. . . The film is planned to show proper use of the national forests. A family shows how to guide children in using parks and camp grounds. By contrasting poor care with good, the family demonstrates what a responsible group should do when in a public park or forest. The film is well suited for older 4-H and Rural Youth members.</p> | | 1.00 |
| | <p>THE WOODLANDS STORY - 26 min. - Color - Kimberly Clark Corp. . . A story of nursery practices, forest management, and transportation to mill for conversion into marketable products. Included are interesting scenes of timber cruising, selection and cutting. The film is intended for general forestry education.</p> | TV | 1.00 |
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| 4-H, FFA AND RURAL YOUTH | - Movies | | |
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| A | <p>NEW WORD FOR FARMING - 24 min. - Color - Am. Petroleum Inst. A boy convinces his city girl friend that an agricultural education is just as important as any other. He has her help him write a movie script which brings out the importance of agriculture. Out-dated agricultural methods in Peru are contrasted to modern methods. Film would be good entertainment for rural youth groups.</p> | | 1.00 |
| B | <p>BETTER USE OF LEISURE TIME - 11 min. - Black and White - Coronet. . . Shows how a boy finds several ways to use leisure time. His parents work with him and they discover many things he can profitably spend his leisure time doing. A number of leisure time activities are suggested.</p> | | 1.50 |
| B | <p>BOYS ON THE LAND - 23 min. - Black and White - Minn. Assn. of FFA. . . The film was made in commemoration of the 25th Anniversary of FFA in Minn. It shows the various activities which FFA chapters carry on. A good inspirational film for FFA work.</p> | TV | 1.00 |

4-H, FFA AND RURAL YOUTH

- Movies

Service
Charge

- COUNTY FAIR (#2) - 25 min. - Color - International Harvester Co. . . A story of rural youth preparing for and participating in the county fair. Scenes of attractions at the county fair are shown. The preparation of livestock and other exhibits are included. 1.00
- DECISION FOR BILL - 25 min. - Color - USDA. . . A vocational guidance film as well as an excellent review of the work of all branches of the USDA. The technique used to present the many types of work done by the USDA is that of a student seeking vocational guidance from his faculty adviser. 1.00
- DEVELOPING LEADERSHIP - 11 min. - Black and White - Coronet. . . This film shows how leaders are developed and the qualities which make up a leader. It is the story of a group of young people who get together to try to do something for a flood relief project. Explains how the psychology of leadership evolves. This picture is best suited for older youth or adults. 1.50
- FFA SILVER ANNIVERSARY - 35 min. - Black and White - Firestone Tire and Rubber Co. . A thorough, day-by-day pictorial account of the activities of 12,000 FFA's at their 25th Anniversary National Convention at Kansas City, 1953. Inside scenes of national committees in action give additional insight into this organization of farm boys studying vocational agriculture in the high schools. Special features include the Silver Anniversary celebration and speeches by President Eisenhower and Secretary of Agriculture Benson and Secretary of Health, Education and Welfare Oveta Culp Hobby. TV 1.00
- 4-H CLUB CAMP, WASHINGTON, D. C. 1950 - 5 min. - Black and White - USDA. . . This is a picture of Minnesota representatives at club camp in Washington. There is an introduction of Leonard Harkness, state 4-H club leader Carol Sanstead, state club agent, and D. T. Grussendorf, county agent. John Burski, Sauk Rapids; Marjorie Wyland, St. Paul; John Seehus, Detroit Lakes; and Anita Erickson, Goodhue, tell of their experiences while at the camp. 1.50
- 4-H HEADLINES - 22 min. - Color - New Idea Avco Manufacturing Corp. . . The story of a news reporter as he interviews and gets the stories about 4-H'ers who have made the headlines in their 4-H club work. Shots are taken on farms, at state fairs, and National 4-H Club Congress. TV 1.00
- GRASS ROOTS AMBASSADORS - 28 min. - Color - Allis Chalmers. . . Good for use as a general film or as a film for telling the IFYE story. It tells the story of the International Farm Youth Exchanges who visit the U. S. as well as those from U.S. visiting foreign lands. How they learn the habits, agriculture and customs is shown. TV 1.00

4-H, FFA AND RURAL YOUTH

- (Cont.) - Movies

Service Charge
1.00

HERE'S HEALTH - 10 min. - Black and White - Minn. TB and Health Assn. . . This film gives a hint on health practices and tells how PTA's and 4-H clubs cooperate in the Christmas Seal program, and in general health activities. Prominent in the movie are Leonard Harkness, State 4-H Club Leader, and Ramsey County 4-H'ers.

HOPE OF TOMORROW, THE - 10 min. - Color - Ford Motor Co. . An excellent newsreel building interest in the annual National 4-H Camp in Washington, D.C. Many scenes in and around Washington, Arlington, Va . , and Mount Vernon with typical 4-H sightseers. Group meetings with Pres. Eisenhower at the White House and with V. P. Nixon at the Lincoln Memorial highlight the film. 1.00

* IT PAYS TO BE A 4-H DAIRYMAN - 15 min. - Color - U. of Minn. . This film was produced to encourage young people to sign up for the 4-H Dairy project. It features Tim Main, county agent, giving suggestions for leaders of 4-H clubs. Tim explains the importance of 4-H dairying and shows how 4-H dairy members have developed outstanding dairy herds. Also pointed out are the advantages to those club members who may not become career dairymen. TV 1.00

KEEPING CLEAN AND NEAT - 11 min. - Color - Encyclopedia Britannica. . . This film emphasizes social values of cleanliness and neatness and shows how these qualities can be achieved. Characters are a junior high school boy and girl who demonstrate the principles of being well groomed. The film would be of special value to younger 4-H club members. 2.40

* LET'S PLAN A 4-H TOUR - 25 min. - Color - Purdue University. . . The story of how an Indiana 4-H club tour was planned. Includes all details of the organization and carrying out of the tour with seven stops being made by over 100 participants. This film would be very useful to show to any club or other group on how to conduct a tour. TV 4.80

MAKE AND MODEL YOUR OWN THE 4-H WAY - 22 min. - Black and White - Simplicity Pattern Co. . . Designed by the sponsors of the National 4-H Dress Revue to help local leaders and girls with clothing projects and dress revues. From the local clothing meeting the film progresses to the county achievement day and to state and national revues. Suggestions are given for stage settings, lighting, scripts and equipment along with modeling tips. 1.00

NATIONAL 4-H CLUB CAMP - 1956 - 12 min. - Color - Ralston Purina Co. . The story of a National 4-H camp in Washington. Various activities that 4-H'ers participate in are shown. Many scenes of historic places around Washington are included. Prepared originally for television. TV 1.00

<u>4-H, FFA AND RURAL YOUTH</u>	<u>- (Cont.) - Movies</u>	<u>Service Charge</u>
NATIONAL 4-H CLUB CONGRESS, 1955 - 28 min. - Black and White - Firestone Tire. . . The film portrays activities of the 34th National Club Congress in Chicago. It covers highlights of the tours, discussions, parade and many recognition events in which 1200 state and national award winners participate each year.		1.00
1947 STATE FAIR - 20 min. - Color - Silent - Minnesota State Fair. . . This is a two reel color silent picture stressing 4-H club work and the Minnesota State Fair.		1.00
PARLIAMENTARY PROCEDURE IN ACTION - 16 min. - Black and White - Coronet. . . This film shows an actual meeting in which many phases of parliamentary procedure are used. The film demonstrates ruling a motion out of order, rising to a point of order, call for the orders of the day, and the making of a motion as well as many other points of interest. For best use of the film, a discussion of parliamentary procedure should precede showing.		3.00
PARTNERS - 30 min. - Black and White - University of Minn. This film was made in 1921 by Reid Ray Film Co. working with the state 4-H Club staff to explain club work. It emphasizes how youngsters in 4-H can influence their parents in accepting modern recommended practices. Value of the picture now is strictly historical and the entertainment provided in looking at 1920 automobiles, dresses, hair do's etc. The film would be good at an annual 4-H banquet if it were worked into a historical theme. Maynard Coe, T. A. Erickson and their co-workers are featured.		1.00
PROJECT FOR TOMORROW - 29 min. - Black and White - ECA. . . This motion picture shows the story of a young boy in Austria and how he became interested in 4-H club work, how his teacher, parents, and even grandfather, took part in helping him with a project.		1.00
ROAD TURNS RIGHT, THE - 44 min. - Black and White - Sears Roebuck Co. . . A sponsored film which pays tribute to the local 4-H leaders. Would be excellent in a campaign to recruit more local leadership.		1.00
SHARE THE FUN BREAKFAST, 1950 - 28 min. - Black and White - U. S. Rubber Co. . . This film shows the talents of 4-H club members who attended the "Share the Fun" breakfast held in Chicago at the National 4-H Club Congress. Instrumental, vocal, acting and Indian Dances are shown being done by 4-H members from all over the U. S.		1.00

4-H, FFA AND RURAL YOUTH	- (Cont.) - Movies	<u>Service Charge</u>
SHARE THE FUN BREAKFAST, 1951 - II - 30 min. Black and White - U. S. Rubber Co. . . Be sure to add the II if you want the 1951 edition. The film is on the "Share the Fun" breakfast at the National Club Congress in Chicago.		1.00
SHARE THE FUN BREAKFAST, 1952 - 40 min. - Black and White - U. S. Rubber Co. . . This is the 1952 version of the "Share the Fun" breakfast sponsored by the U. S. Rubber Co. When requesting this film be sure to specify 1952 .		1.00
SPEECH - CONDUCTING A MEETING - 11 min. - Black and White - Young America. . . The ordinary mistakes that people make in conducting a meeting are brought out and rules of parliamentary procedure are explained.		1.50
SPEECH - GROUP DISCUSSION - 13 min. - Black and White - Young America. . . This film would be good as a tool for leadership training meetings. Rural Youth and older 4-H boys and girls would find it helpful in getting started with group discussions. It shows the common kinds of discussions and gives suggestions for more effective ways of conducting them.		1.50
STATE JUNIOR LIVESTOCK SHOW OF 1947 - 11 min. - Color Farm Bureau. . . A newsreel of the South St. Paul Junior Livestock Show. The film follows 4-H members all the way through the show, including the banquet and sale on the final day.		1.00
THAT INSPIRING TASK - 30 min. - Color - Sears, Roebuck Foundation. . . The story of the aims and ideals of the FFA, and what some typical members have accomplished.	TV	1.00
TIM'S CHOICE - 54 min. - Color - John Deere. . . A long but very entertaining film featuring a good 4-H Club family. Story involves two brothers and a sister with their parents. It concerns their projects and related experiences. Several lessons in safety and 4-H work are taught. The only limitation on this film is its length. It is excellent entertainment.		1.00
TOMORROW'S LEADERS - 22 min. - Color - Allis Chalmers A travelog of the country showing 4-H'ers and their projects. Some historical scenes of places in Washington and Beltsville. How 4-H helps to develop good leaders to make America strong and great.	TV	1.00

4-H, FFA AND RURAL YOUTH

- (Cont.)

- Movies

Service Charge

TOWN THAT CAME BACK, THE - 30 min. - Color - Ford Motor Co. . . The story of how a 4-H club brought a little country town back to life after it had gone down hill for a number of years. It shows how community cooperation sparked by a good club and a few capable leaders brought happiness to the little country town. This film would be very good in a community where a new 4-H club is being organized or an old club, rejuvenated.

1.00

HOME ECONOMICS

- Movies

Clothing

Service Charge

FACTS ABOUT FABRICS - 28 min. - Black and White - DuPont. . . Explanations of types of yarns used in making fabrics, how they are woven in different ways, and variations in dyeing, printing, and finishing. Of interest to women and older girls.

1.00

SEWING FUNDAMENTALS - 10 min. - Black and White - Young America. . . Presents and explains the fundamentals of sewing and the basic sewing tools.

1.50

SEWING - HANDLING MATERIALS - 10 min. - Black and White - Young America. . . Shows how to handle various types of materials, such as cottons, woolens, silk and synthetic fabrics in preparation for sewing.

1.50

TRULY YOURS - 18 min. - Color - USDA. . . This film shows TV the fitting points to check when buying ready-made dresses, and alterations that may be done successfully at home by women who sew. It includes the most commonly needed alterations for the tall slender, the medium stout, and the short plump types of figures. The film should be helpful to leaders of adult classes in clothing construction, selection and buymanship. Better for adults than for 4-H groups.

1.00

WASTE NOT - WANT NOT - 28 min. - Color - National Waste Conf. Comm. . . An explanation of re-used and re-processed wool fabric is given through the story of a housewife who gives old woolen clothing to a clothing collector and shops for woolen clothes for her two youngsters. Methods of producing woolen fabrics are given in detail.

1.00

Foods and Nutrition

CHIQUITA BANANA - 11 min. - Color - United Fruit Co. Cartoon shows how bananas can be served in meals, as salad, fried, in pie, etc. Very good for use in junior and adult groups. Musical and good color.

1.00

HOME ECONOMICS

- (Cont.)

- Movies

Service
Charge

Foods and Nutrition (cont.)

<p>COOKING: MEASURING - 10 min. - Black and White - Young America. . . This film discusses common measuring tools used in the kitchen and illustrates recommended procedures for measuring typical dry solids, liquids, and fats. Gives attention to those measurements most subject to error.</p>		1.50
<p>CUTTING AND FREEZING MEAT, POULTRY AND FISH - 30 min. - Color - Cornell. . . This picture deals with the above subject, showing cutting of carcasses and boning of various cuts. The film also shows several types of wrapping for freezing. This film can be used for either a freezing demonstration or for one on meat cutting.</p>		4.80
<p>FREEZING GREEN BEANS - 5 min. - summer, Shirley Trantanella. . . A demonstration of preparing, scalding, packaging, sealing, and labeling green beans for freezing. Folder 156, "Freezing Fruits and Vegetables," is offered.</p>	TV	.50
<p>FREEZING PEACHES - 5 min. - Black and White - Trantanella. . . A demonstration on selecting, scalding, sweetening, cutting, sealing, and labeling peaches for freezing. The use of ascorbic acid is explained. Folder 156, "Freezing Fruits and Vegetables," is offered.</p>		.50
<p>FREEZING SWEET CORN - 5 min. - Black and White - Trantanella. . . This demonstration tells and shows how to prepare corn rapidly for freezing. Facts include amount of water to use, scalding time, how to cool, label corn, and how to wrap in aluminum foil and a plastic bag.</p>	TV	.50
<p>HOME COOKERY OF FISH - 10 min. - Black and White - Encyclopedia Britannica. . . Demonstrates, with effective close-up photography, three basic methods for cooking fish at home; boiling, broiling, and baking. Fish used in the demonstrations: cod fillet, halibut steak, and whole dressed white fish - represent usual forms found in most fish markets. The film also illustrates the use of attractive, tasty garnishes to give eye-appeal and added nutritive qualities to fish when it is served.</p>		1.50
<p>HOME MANAGEMENT; BUYING FOOD - 10 min. - Black and White - Young America. . . Describes usual patterns used by the average housewife in buying food for the family. It points out how certain principles of purchasing can be applied to the buying of family food, with resulting economies. Recommended by Eleanor Loomis. This film is suitable for groups of junior high age and over.</p>		2.40

HOME ECONOMICS

- (Cont.) - Movies

Service Charge

Foods and Nutrition

<p>KIDS MUST EAT - 22 min. - Black and White - USDA</p>		<p>1.00</p>
<p>A quiz conducted by Joe Kelly and his Blue Network Quiz Kids brings out facts about the Department of Agriculture sponsored school lunch program. Information is given on what other communities can do to get a similar program started.</p>		
<p>THE RAISINS YOU BUY - 5 min. - Color - USDA</p>	<p>TV</p>	<p>.50</p>
<p>The story of how California raisins are cleaned, processed and packaged. Inspection service of the USDA is featured with emphasis on safeguarding the quality. Several ways of using raisins are suggested.</p>		
<p>THE THREE SQUARES - 13 min. - Color - USDA</p>	<p>TV</p>	<p>1.00</p>
<p>Tells how canning of foodstuffs began and how it grew. Film emphasizes the importance of canning to us and to future generations. Live action and animation are combined to make the film very interesting.</p>		
<p>WEIGHT REDUCTION THROUGH DIET - 15 min. - Color - National Dairy Council. . .</p>	<p>TV</p>	<p>1.00</p>
<p>This film tells of the experience of several adults who were overweight and shows the diet they used to reduce. "Before" and "after" pictures show what can be done. A good film for home agents to use in adult meetings where basic food requirements and various diets are discussed.</p>		
<p>WHY FOODS SPOIL - 14 min. - Color - Encyclopedia Britannica. . .</p>	<p>TV</p>	<p>2.40</p>
<p>The film introduces molds, yeasts, and bacteria but gives special emphasis to molds. Having established why foods spoil, the film shows how preservation is possible through the use of gamma rays. A summary points out how basic knowledge of tiny plants helps scientists develop new ways of preserving food.</p>		
<p>WRAPPING FOOD FOR FREEZING - 6 min. - Black and White - All year, 1954 - Trantanella. . .</p>	<p>TV</p>	<p>.50</p>
<p>This demonstration shows kinds of good wrapping materials, such as aluminum foil, polyethylene bags and laminated glassine. Also shows how to wrap hamburgers, chicken and pie. Bulletin 244, "Freezing Food for Home Use," is offered.</p>		
<p>ENERGY SAVING KITCHENS - 6 1/2 min. - Black and White - USDA. . .</p>	<p>TV</p>	<p>.50</p>
<p>The film was produced primarily for television, but is good for any kind of meeting where kitchen arrangement is being discussed. Kitchen features recommended by USDA are pictured and explained.</p>		

HOME ECONOMICS

- (Cont.) - Movies

Service
Charge

Foods and Nutrition

- STEP SAVING KITCHEN - 17 min. - Color - USDA . . . Here is a picture that shows design, construction and labor-saving devices of a kitchen. It is based on the USDA kitchen shown at the State Fair in 1948. 1.00
- YARN ABOUT A KITCHEN - 23 min. - Color - Iowa State College. . . This is the story of how an old kitchen was remodeled into a new efficient one. By means of yarn, the steps in old and new kitchens were traced and the advantages of a well planned kitchen shown. Good for any group, teenage or above. TV 4.80

HORTICULTURE

- Movies

- BREEDING BETTER FOOD CROPS - 24 min. - Color - National Garden Bureau. . . Shows how garden seeds are produced and explains the extreme care that goes into crossing and raising seeds for market. TV 1.00
- BRIDGE GRAFTING - 6 min. - Black and White - Ted Weir .50
Film shows how to repair a damaged tree trunk with two types of bridge grafts. Tools and equipment needed for cutting and fitting scion and waxing are shown. Bulletin 273, "Grafting Fruit Trees," is offered.
- FOR YOUR POTATO PLEASURE - 12 min. - Color - No. Dak. A. C. . . Shows overall aspects of potato production in the Red River Valley. Major operations of potato raising are described with particular emphasis on various harvesting techniques. Includes a good comparison of old and new methods of harvesting. This film is one of a series being produced. O. K. for television. TV 1.00
- FRESH FROM THE WEST - 30 min. - Color - Union Pacific Railroad. . . Tells the story of western vegetable production. Should be of value to commercial vegetable gardeners interested in techniques used in California. Soil preparation, irrigation, harvesting, preparation of products for transit and icing of refrigerator cars are shown. Includes some excellent air views of California vegetable growing areas. 1.00
- FRUITS FOR THE NORTH - 23 min. - Color - Univ. of Minn. TV 1.00
The story of how new fruit varieties are created by modern methods of fruit breeding. Accomplishments of the University of Minnesota's Fruit Farm at Excelsior are shown and many new fruit varieties described. Suitable for any audience above the middle elementary grades. O. K. for television.

HORTICULTURE - (Cont.) - Movies

		<u>Service Charge</u>
FRUITS OF LIFETIME - 26 min. - Color - Union Pacific R. R. A beautiful color film showing the production and distribution of Western fruits. Packaging to meet market demands is explained. The operation of a modern railroad in speeding fruit to market is featured. The film is of general interest and could be useful for almost any audience.		1.00
GARDEN FOR ABUNDANCE - 15 min. - Color - National Garden Bureau. . . This film explains how planting and caring for a garden is easy. Shows the steps in preparation of the soil, planting and caring for plants, and harvesting of the vegetables. Suggested demonstration material is included.	TV	2.40
GARDEN GADGETS - 17 min. - Black and White - Univ. of Minn. . . This is a movie recording (kinescope) of one of Ray Wolf's television shows on KTCA, channel 2. In the show, Ray introduces O. C. Turnquist who shows various items of equipment that can be used in gardening and lawn care. The items include sprayers, dusters, clippers, and many other things gardeners can use effectively. Four dealers who provided the equipment are mentioned near the end of the film.	TV	1.00
GRAFTING FRUIT TREES - 16 min. - Black and White - Univ. of Minn. . . Ted Weir, assistant superintendent of the Minnesota fruit breeding farm demonstrates how to make three kinds of grafts on fruit trees. This is a movie recording (kinescope) of one of Ray Wolf's television shows on KTCA, channel 2. The film shows how to do each step of the process and illustrates the use of various tools required. Ray introduces Ted and asks questions throughout the show to bring out important points.	TV	1.00
GROW YOUR OWN - 22 min. - Black and White - USDA A victory gardening film. The picture sets forth in light vein the essentials of good gardening.		1.00
HOW TO GROW DAHLIAS - 21 min. - Color - Int. Film Bureau Shows the general culture of dahlias as well as the hybridization of new plants and breeding of better stock. Garden clubs and upper high school classes would find this film particularly helpful. It is a practical down-to-earth production.	TV	4.80
POTATOES UNLIMITED - 30 min. - Color - Union Pacific Railroad. . . Potato growers will find a good many points for discussion in this thorough coverage of practices used in growing, handling, and transporting commercial and certified seed potatoes. A portion covers a method of indexing certified seed.		1.00

HORTICULTURE - (Cont.) - Movies

		<u>Service Charge</u>
PRUNING AND STAKING TOMATOES - 5 min. - Black and White - Turnquist. . . Shows how to prune and stake tomatoes using different types of tying material. Folder 167 is offered free.	TV	.50
PRUNING TREES - 6 min. - Black and White - L. C. Snyder Describes tools needed and methods of pruning a young apple tree, gooseberry bush, shade tree, alpine currant hedge, Mugho pine and a spruce tree. Folder 161, "Pruning Fruit Trees," is offered.	TV	.50
TRANSPLANTING IRIS - 6 1/2 min. - Black and White - R. J. Stadtherr. . . Dick Stadtherr demonstrates how to transplant Iris including seed treatment for disease and soil fertilization. Photographed at University Farm.	TV	.50
TRANSPLANTING TOMATOES - 5 min. - Black and White - Turnquist. . . It's a windy day, but Turnquist does a thorough job of showing how to make and use a fertilizer solution, how to dig a hole for planting, depth and spacing for tomatoes, and how to set tall plants in a trench. Folder 164, "Getting Started with Your Vegetable Garden" is offered free.	TV	.50
YAM GOES TO MARKET, THE - 20 min. - Color - Louisiana Sweet Potato Commission. . . This film follows movement of Louisiana yams from harvest fields to the American dinner table. It stresses correct handling practices in wholesale and retail stores and in the home. Some <u>yummy</u> , <u>yammy</u> recipes are also featured.	TV	1.00

PLANT PATHOLOGY - Movies

		<u>Service Charge</u>
LOST HARVEST - 20 min. - Color - DuPont. . . The need for controlling certain seed-borne and soil borne-diseases that cause heavy damage to crops every year is shown in this film. It includes laboratory work and the testing back of seed disinfectants, and shows mechanical seed treating on the farm.		1.00

* # MAN AGAINST A FUNGUS - 35 min. - Color - Rust Prevention Assn. . . This film is available to you only from the Rust Prevention Association at 820 Midland Bank Building, Minneapolis. It is not available from the Agricultural Extension Library.

It is an educational film showing how science has made it possible to control many of the fungus diseases of grain. The film dramatically pictures the tremendous loss caused each year to grain crops and shows how such losses can be prevented.

Order this film from Rust Prevention Assn., 820 Midland Bank Bldg., Minneapolis

PLANT PATHOLOGY

- (Cont.) - Movies

Service Charge

RED SEED - 22 min. - Color - The Panogen Co. (Ringwood Chem. Corp.). . . Filmed in Sweden to show farmers why they should treat seed. It shows the reasons for and techniques of seed treatment. Some description of the Panogen manufacturing process is given. There is a little advertising in the film but it is not objectionable. You would find the film useful at any adult or young farmer meeting on this subject. 1.00

STEM RUST - 20 min. - Color - USDA - 1950. . . This is the story of stem rust, a fungus disease that destroys wheat, oats, barley, and rye, and its control. It shows how barberry bushes spread the disease to grain crops, the importance of these crops and dependent industries in the nation's economy, the nature of the disease, and how it damages the grain. Covered in detail is the story of riding grain areas of barberry bushes which spread the disease. TV 1.00

WHITE PINE BLISTER RUST - 20 min. - Color - USDA 1.00
The complete life cycle of the disease how it enters and kills white pines and the effective control measures now being used.

POULTRY - Movies

BETTER POULTRY AND POULTRY PRODUCTS FOR YOU - 1.00
16 min. - Color - Land O'Lakes. . . This film shows the Land O'Lakes poultry operations including the Anoka farm, and main dressing and egg marketing plants. It was planned to acquaint members and others interested in Land O'Lakes with what the organization does in the poultry field and the high quality products which are put on the market.

CHICKEN OF TOMORROW, THE - 23 min. - Color - Texas TV 1.00
Co. (Petroleum). . . . A general interest story of modern chick hatcheries and poultry raising for the market. It includes some excellent shots of developing chick embryos and hatching eggs.

CULL FOR PROFIT - 11 min. - Color - USDA. . . . The three TV 1.00
most important times to cull chickens are presented: when the chicks are received from the hatchery, when they are moved to the range, and when they are put into the laying house. Methods of culling and what to look for are shown. The film is good to use for demonstration purposes.

POULTRY - (Cont.) - Movies

Service Charge

<p>EGG AND YOU, THE - 32 min. - Color - Armour and Co. Radio commentator Everett Mitchell visits several poultry farmers and discusses with them standards of egg quality and how to grade them. Shows the way to more profitable egg production.</p>		1.00
<p>GOOD EGG, THE - 6 min. - Black and White - USDA This film was produced primarily for television but is equally suitable for any meeting you may have where egg consumption is the topic. By picturing a magician who shows many appetizing egg dishes, the film encourages greater use of eggs.</p>	TV	.50
<p>HEN MAKES AN EGG, A - 18 min. Color - Ralston Purina Co. . . This is a sound version of the old silent film which was made a number of years ago. Cora Cooke, extension poultry specialist, is featured in the introduction and does the narration throughout the new film. It shows actual anatomical processes in the formation of an egg inside a hen's body. Management practices are suggested at the end. Some picture quality was lost in the process of adding sound, but it is still a very effective film.</p>		4.80
<p>INSIDE STORY, THE - EGG SOLIDS - 20 min. - Color - Inst. of Am. Poultry Ind. . . A good presentation of the production and use of dried egg solids. It would be suitable for producer groups as a means of increasing their knowledge of and respect for consumers of egg solids. It would also be helpful in consumer groups as a sales talk for the dried products.</p>		1.00
<p>MORE MONEY FOR YOUR EGGS - 23 min. - Color - Purdue University. . . Reasons for producing high quality eggs are explained and factors which contribute to high quality egg production shown. Typical small farm situations are used.</p>		4.80
<p>RANGE SHELTERS - 9 min. - Black and White - University of Minnesota. . . Describes the advantages of a portable range shelter for growing chicks. Cora Cooke points out various features of this low-cost type of housing. Also for TV.</p>	TV	.50
<p>TODAY'S CHICKS - 19 min. - Color - USDA. . . This is the story of poultry improvement through a plan - The National Poultry Improvement Plan - a federal-state supervised program designed to improve the breeding qualities and reduce loss from pullorum disease in our poultry flocks. The film shows how a typical hatcheryman, with the cooperation of flock owners, specialized poultry breeders and supervisors of the plan, can conduct his operations in such a manner as to produce high quality chicks.</p>	TV	1.00

POULTRY - (Cont.) - Movies

Service
Charge

VICIOUS CIRCLE - 24 min. - Color - USDA. . . This is the story of how a young farm couple eradicated TB from their poultry and hogs. The film stresses selling old hens and keeping only pullets for laying. It is an excellent film for teaching facts about avian TB. Suitable for almost any audience.

1.00

SOILS AND FERTILIZERS - Movies

Service
Charge

BIG TEST, THE - 14 min. - Color - National Fertilizer Assn. Shows how soil sampling and testing is done and explains the importance of testing. Setting is in a North Carolina County Agent's office. The film is general enough on testing methods and recommendations to be quite useful in Minnesota. It was planned for farmer meetings and young men's groups.

1.00

BIRTH OF THE SOIL - 10 min. - Color - Encyclopedia Britannica. . . Reveals how man's survival depends upon a few inches of topsoil which only nature, over a period of centuries can manufacture. Explains the processes by which topsoil is produced from basic raw materials. Contrasts the productive capacity of topsoil with that of subsoil.

2.40

BOY SCOUTS LEARN SOIL CONSERVATION - 5 1/2 min. - TV Black and White - USDA. . . This film was made at the 1957 Boy Scout Jamboree in Valley Forge. It shows a part of the jamboree in which the scouts were taught important conservation practices.

1.00

FIRST IN THE HEARTS OF FARMERS - 22 min. - Black and White - Natl. Fert. Assn. . . A film on the use of fertilizers. Shows reasons for and methods of applying the common commercial fertilizers.

1.00

FOR YEARS TO COME - 22 min. - Color - USDA. . . The use of Soil Conservation methods to increase the yield per acre up to 20% was not only possible, but according to this picture, it was of vital necessity to produce the bumper crop needed by a nation at war. This picture follows the work of one man in converting his farm to the newer ways of saving the soil and using each acre to its best advantage.

1.00

SOILS AND FERTILIZERS

- Movies - Cont.

Service
Charge

<p>GRASS ROOTS IN THE SOIL - 22 min. - Color - Iowa State College. . .One of the best films in its field. It shows the importance of grass in holding soil and keeping it productive. Tells how grass farming can be worked into present farming programs. Suitable for all ages from junior high through adult.</p>	<p>4.80</p>
<p>GREENER PASTURES - 18 min. - Color - John Deere This film introduces pasture renovation showing different phases of pasture improvement. Includes such practices as testing soils, applying lime and fertilizers, ripping up old sod and preparing the new seed bed and selecting and sowing locally adapted seed. Paul Burson is shown in one of the scenes taken in southeastern Minnesota. This film is not a complete treatise on the subject but should be a good stimulator for discussion.</p>	<p>1.00</p>
<p>HUNGER SIGNS - 22 min. - Color - Sound - Natl. Fert. Assn. TV As the title indicates, the picture shows how different crops appear when the soil has been lacking in certain plant foods. The films have been checked and approved by E. R. Duncan, soils specialist.</p>	<p>1.00</p>
<p>IN COMMON CAUSE - 22 min. - Black and White - USDA This is a film put out by the Soil Conservation Service and shows the organization of conservation districts and how the program in general works.</p>	<p>1.00</p>
<p>* IS YOUR WATERSHED SAFE - 8 min. - Black and White - TV USDA. . .Shows some of the soil damage caused by water. Possible preventive measures that will reduce or eliminate the losses of soil and water are explained.</p>	<p>1.00</p>
<p>KEEP YOUR EYE ON THE SOIL - 22 min. - Black and White - John Deere. . .This film shows the reasons for using conservation practices.</p>	<p>1.00</p>
<p>KNOW YOUR LAND - 11 min. - Color - USDA. . .Explains the basis of land classification. It identifies the eight classes of land and points out that each class has its proper use and treatment. Not a technical film.</p>	<p>1.00</p>
<p>LEVEL FARMING - 12 min. - Color - J. I. Case. . .This film explains reasons for farming on the contour and tells how farmers can save time and money by using this method.</p>	<p>1.00</p>
<p>MY COUNTRY - 28 min. - Color - Goodyear. . .This film shows how the greatness of America has come from the soil and why we should conserve the soil now. A large number of soil conserving practices are described.</p>	<p>1.00</p>

SOILS AND FERTILIZERS

- (Cont.) - Movies

Service
Charge

- OUR SOIL RESOURCES - 10 min. - Black and White - Encyclopedia Britannica. . .Explains graphically how soil is formed by the physical and chemical disintegration of rock and by the decomposition of plant and animal matter. Points out the world's four soil groups and defines the geographic limits of each in the U. S. Describes how man, through poor farming methods, has depleted the soil; and explains techniques for replacing fertility losses and curbing erosion. 1.50
- RAIN DROPS AND SOIL EROSION - 24 min. - Color - USDA 1.00
This film tells the story of what rain drops do to various kinds of soil. It shows how water can be controlled by conservation practices. Experiments with different kinds of methods are shown. Excellent as background material for soil erosion and the general prosperity of the people.
- SAVE THE SOIL - 11 min. - Black and White - USDA 1.00
Terracing, strip cropping, rotation, contouring, keeping livestock on the land, spreading lime commercial fertilizer and planting trees all help to save the soil. How peoples' lives depended on good soil from pioneer days to the present is shown.
- SOIL CONSERVATION WITH REGULAR FARM EQUIPMENT - 1.00
22 min. - Color - John Deere. . .Shows how a plow and other common farm equipment can be used to make a terrace and do other necessary work to conserve the soil. This film was listed in the 1954 catalog but not in the last one. It is now back in the library.
- SOIL STRUCTURE - THE KEY TO PRODUCTIVITY - 18 min. - 1.00
Color - Monsanto Chemical Co. . .General film dealing with the use of "Krilium" chemical soil conditioner. Shows relative run-off under different conditions. Shows behavior of different soils when treated with "Krilium". Although commercially sponsored, this film shows how chemical soil conditioners work.
- SOIL TEST - 22 min. - Color - Iowa State College. . .By using 4.80
cartoons, the film compares three farmers in their attempts to raise corn. It shows how a neighbor takes soil samples accurately and has his soil tested. It explains steps through which the sample goes in the state college laboratory and what fertilizer recommendations mean to the farmer. The film would be interesting for any group of people from teenage up.

SOILS AND FERTILIZERS - (Cont.) - Movies

		<u>Service Charge</u>
STRIPS AND CURVES - 23 min. - Color - J. I. Case	TV	1.00
Shows methods of mechanically conserving soil through the use of contours, strip cropping, rotation, vegetative cover, etc. The importance of stabilizing farm income while conserving soil is also stressed. This film should help encourage discussions on soil conservation.		
TERRACING WITH A MOLDBOARD PLOW - 11 min. - Color - J. I. Case. . .		1.00
This film shows how to make a standard terrace by using an ordinary moldboard plow and following wood stakes for a guide.		
THIS IS OUR LAND - 22 min. - Black and White - Ethyl Corp.	TV	1.00
A soil conservation picture showing the need for permanent care of our soil resources.		
TOPSOIL AND TEAMWORK - 23 min. - Color - Minn. Soil Cons. Comm. . .	TV	1.00
The film explains why soil conservation districts were organized in Minnesota and gives a brief history of their development. A number of soil conservation practices are shown. Also included are some of the important soil conservation activities such as judging and plowing contests.		
WEATHER OR NOT - 22 min. - Color - Natl. Fertilizer Assn.		1.00
Shows how farm profits can be boosted by the combined use of irrigation and fertilizer. Pasture irrigation is used to demonstrate the results. This film would be useful only in areas where irrigation is a recommended practice. There is no advertising in it.		
WHAT IS SOIL - 10 min. - Black and White - Films, Inc. (not-sponsored). . .		1.50
A young boy sets out to grow a bean in soil that he himself has made. In the process, by demonstration and experimentation, the film develops an understanding of soil and soil formation.		
WHAT'S IN THE BAG - 18 min. - Color - Natl. Plant Food Council. . .	TV	1.00
The story of nitrogen, phosphorus and potash and how each of these fertilizer components is produced. Their respective importance is explained. Significance of a complete fertilizer is pointed out. All right for any audience. Approved for TV.		

VETERINARY MEDICINE - Movies

Service Charge

<p>BATTLING BRUCELLOSIS - 20 min. - Color - USDA A USDA film on the control of Bang's disease. This should be excellent in a county where a campaign is being put on.</p>	1.00
<p>BLUE TONGUE - 9 min. - Color - USDA. . . Shows the history, symptoms and characteristics of this disease of sheep. The film explains transmission and suggests means of prevention and control. It was made primarily for use in schools of veterinary medicine and for practicing veterinarians. Must be ordered with the approval or on request of a local veterinarian.</p>	1.00
<p>BOVINE CONTAGIOUS PLEUROPNEUMONIA - 28 min. - Color - USDA. . . This film reports incidence of this disease and shows tissues and organs of affected animals. Control by vaccination and other measures in Australia is described. Film was made in Australia. It would be of particular value to veterinary regulatory officials and other professional veterinarians. <u>If it used with farm groups, a veterinarian should be contacted first.</u></p>	1.00
<p>EPIDEMIC, FOOT-AND-MOUTH DISEASE IN CANADA - 16 min. - Color - Dept. of Agriculture, Ontario, Canada. . . This film shows how the 1952 outbreak of foot-and-mouth disease in Saskatchewan was brought under control. It describes how the disease affects cloven-hoof animals, then shows the destruction and burial of all infected or exposed animals and the strict quarantine measures. No early history of the disease with problems of diagnosis is shown. The film is intended primarily for meetings where veterinarians are available to help with discussion.</p>	1.00
<p>HEALTHIER LIVESTOCK THROUGH RESEARCH - 7 min. - Black and White - USDA. . . A tour of the new Plum Island Animal Disease Laboratory of the USDA. This laboratory, dedicated in September, 1956, is located half a mile off the tip of Long Island and will be working on foot and mouth disease. It will be closed to the general public. The film points out the extreme care that is taken to prevent infection from outside sources.</p>	TV .50
<p>INSIDE A COW'S UDDER - 6 min. - Black and White - All year - Alvin Weber. . . A somewhat technical presentation of the internal structure (lobule unit, alveolus and milk ducts) of a cow's udder. Shows how and where milk is made and secreted. Shows a cross section of udder and a reconstructed model of alveolus.</p>	TV .50

VETERINARY MEDICINE - Movies - (Cont.)

	<u>Service Charge</u>
OUTBREAK - 29 min. - Color - USDA. . . The story of foot-and-mouth disease, the centuries' old plague affecting cloven-hoofed animals that has swept over the Old World time and again and played havoc with the livestock industry of every country it touched. The film documents foot-and-mouth disease from its earlier history to the outbreaks in the United States and the Mexican outbreak.	1.00
RINDERPEST - 20 min. - Color - USDA. . . This is a technical picture designed for veterinarian training and shows the history and geographical distribution of Rinderpest, a disease of cattle, sheep and goats. The film is useful for the student in studying this disease and measures to prevent its introduction into the U. S.	1.00
RUMEN STORY, THE - 25 min. - Color - Ralston Purina Co. . . A story of what goes on inside a cow's rumen. It gives a good description of the first step in the digestive process. Bacterial action and the part microorganisms play are pictured. The film is free from advertising. Must be ordered with the approval or on request of local veterinarian.	2.00
SCRAPIE - 8 min. - Color - USDA. . . Briefly reviews the history of scrapie, an obscure disease of sheep. It shows key symptoms, methods of diagnosis and tells ways of combating the disease. Made primarily for schools of veterinary medicine and practicing veterinarians.	1.00
STORY OF PHENOTHIAZINE, THE - 22 min. - Color - DuPont. . . This is a picture which traces the discovery of phenothiazine from the very beginning to its present extensive use in treating livestock. One of the best films on the subject.	1.00
TESCHEN DISEASE - 15 min. - Black and White - USDA A disease of swine affecting the nervous system. Shows and discusses similarities with other diseases and deficiencies. Must be ordered with the approval or on request of local veterinarian.	1.00
TRIPLE THREAT OF BRUCELLOSIS - 30 min. - Color - USDA 1951. . . This film tells the story of brucellosis, a disease that each year takes a heavy toll of livestock, causing huge losses to the livestock industry, and attacks humans in the form of undulant fever. The picture covers three phases of brucellosis as it attacks animals, and shows the nature of the disease and recommends measures for control and eradication.	TV 1.00

VETERINARY MEDICINE

- (Cont.) - Movies

Service
Charge

VESICULAR EXANTHEMA - 21 min. - Color - USDA

1.00

Shows the start of Vesicular Exanthema in California and the spread of the disease throughout the United States. Shows the way in which Federal and State Disease control agencies approached the problem on controlling the disease through legislation requiring the cooking of garbage feed. Must be ordered with the approval or on request of a local veterinarian.

VOCATIONAL GUIDANCE AND INFORMATION SERVICE

- Movies

Service
Charge

BIG HARVEST - 25 min. - Black and White - Sound - Twentieth

3.00

Century Film Co. . . A picture of general interest on the development of agriculture. Shows how everyone has benefited from scientific research and cooperative activity. Would be good for service clubs and civic groups.

COMPASS FOR AGRICULTURE - 20 min. - Color - USDA

TV

1.00

The story of collecting agricultural information and making it available to farmers. Shows how all sorts of data are assembled, processed, and distributed to those who need information.

I OPEN THE DOOR - 14 min. - Black and White - Pfizer Co.

1.00

The story of a New York Home Demonstration agent and her work. Includes attending homemaker meetings, working with 4-H clubs and planning a kitchen with a farm wife.

WAVES OF GREEN - 40 min. - Color - Dearborn Motors

1.00

This production is a tribute to the land grant colleges of America. It tells of the work of prominent men in agriculture including Hayes and Stakman of Minn. The story of how colleges have met and are meeting the changing needs of agriculture is told. The work of the agricultural extension service plays a prominent part in this film. Excellent for telling the story of ag extension.

WEEDS

- Movies

FARM CHEMICALS DO PAY OFF - 28 min. - Color - Peavy

TV

1.00

Co. . . A general story of how farmers are using chemical weed killers to control weeds. It shows the equipment which Peavy helped develop for spraying. This film was planned principally for the grain producing areas of the state.

WEEDS - (Cont.) - Movies

Service Charge

THE DODDER - 10 min. - Black and White - EPI Classroom Films. . . Shows the life of dodder by means of time-lapse photography. Includes the anatomy, physiology, and ecology of the dodder. Film would be useful in any group studying weeds. TV 1.50

WILDLIFE AND NATURAL RESOURCES - Movies

ARTERIES OF LIFE - 10 min. - Color - Encyclopedia Britannica. . . Points out the importance of water and forests in providing and regulating the flow of moisture in top soil. Clearly explains the water cycle and the water table and describes nature's methods of distributing life-giving water. 2.40

HERITAGE WE GUARD, A - 30 min. - Black and White - USDA. . . A Metro-Goldwyn-Mayer production tracing the history of our wildlife, starting with America's early abundance and tracing through the period of man's movement westward, which has already brought about the extinction of a number of species. Shows the resources that still remain and what is being done today to conserve them. 3.00

LIFE BLOOD OF THE LAND - 22 min. - Color - USDA
A general interest film showing how water is needed in every phase of life. The need for controlling water is emphasized. Explains why careful logging and grazing are important. 1.00

REALM OF THE WILD- 30 min. - Color - USDA. . . Shows how our national forests are the natural home of America's animal and plant life. One of the best pictures on conservation. Both entertaining and educational. Released in 1945, 4.80

STRENGTH OF THE HILLS - 11 min. - Black and White - USDA. . . Includes shots of game birds, shaded groves, fishing in the streams, and state parks, and forests. A sequence deals with the lumber industry and the countless uses of wood. TV 1.50

THIS VITAL EARTH - 10 min. - Color - Encyclopedia Britannica. . . Portrays the beauty and logic of the balance in nature and organization of the living community. Explains the dependence of plants and animals on each other for survival and control. Reveals how man upsets the balance in nature by robbing the soil of hidden values. Illustrates the nonproductiveness of soil deficient in certain minerals. 2.40

TO CONSERVE OUR HERITAGE - 36 min. - Color - Minneapolis Moline. . . Scenes around the U. S. showing dramatically the lesson of poor land and water management and what must be done. 1.00

WILDLIFE AND NATURAL RESOURCES

- (Cont.) - Movies

Service
Charge

WILDERNESS DAY - 29 min. - Color - Minnesota Foundation

1.00

This film shows the natural beauty of Quetico Superior National Forest in northern Minnesota. It was produced by Ray Dale Sanders of Brainerd. It does an excellent job of explaining how our natural resources can be preserved for future generations. Would be good for 4-H, Boy Scout, or any similar group planning to visit northern Minnesota.

WILDLIFE AND THE HUMAN TOUCH - 18 min. - Color -

TV

1.00

USDA. . . This is a film produced by the U. S. Forest Service to show how the National Forests are used to preserve wild life. Some good scenes of many different wild animals, fowl and fish in natural habitats. Shows what happens when man moves in to upset the natural balance of life and how human carelessness can destroy our forests.

THE WORLD AT YOUR FEET - 25 min. - Color - Canadian

4.80

Film Board. . . This film deals with soil substance and the multitude of types of animal life in the soil. It illustrates with samples of garden and forage crops how vital a healthy condition of the soil is to both plants and animals. Suitable for farm audiences of almost any age. It gives excellent basic material that can be worked into a program of soil care.

YOURS IS THE LAND - 25 min. - Color - Encyclopedia Bri-

4.80

tannica. . . We learn what happens to the basic needs of man after he began to make his way in the earth, remains of the forests, barren land and little wildlife thrives on it. Shows the necessity of land producing its best as there is little left. It suggests management of life-supporting resources.

For new movies as announced in the TIP SHEET

		<u>Servic. Charge</u>
<p>IMPROVING YOUR GARDEN SOIL - 17 min. - Black and White- Kinescope - A kinescope of a television program in which Ray Wolf interviews extension soils specialists Lowell Hanson and Curtis Overdahl on the subject of improving garden soil. Types of soil and textures are shown. Constituents of various fertilizers are explained with emphasis on how to select and figure the value of each. The HOME LAWN extension folder can be used with this film.</p>	TV	1.00
<p>CARING FOR THE NEWBORN CALF - 15 min. - Black and White Kinescope - Univ. of Minn. . .Jesse Williams of the dairy department is interviewed by Ray Wolf in this kine on such things as measuring the calf, dehorning, saving and freezing colostrum, using milk replacers, teaching the calf to drink, tatooing, figuring hay and grain rations and treating the navel with iodine. Twin Holstein calves are used to demonstrate these various steps in caring for the newborn calf.</p>	TV	1.00
<p>TIPS ON TRANSPLANTING TOMATOES - 14 min. - Black White Kinescope - Univ. of Minn. . .Ray Wolf interviews Robert Nylund of the horticulture department on practices related to transplanting tomatoes. Included are such items as containers, dry fertilizers, making and using starter solutions, transplanting short and long plants, dusting plants with insecticides and using black plastic covering. Extension Folder GETTING STARTED WITH YOUR GARDEN would be good supplementary material.</p>	TV	1.00
<p>ARE MANNERS IMPORTANT - 11 min. - Black and White - Encyclopedia Britannica. . .The film is designed to stimulate thought and provoke discussion among students of junior high school age. It shows how good manners, defined as consideration for others, help people live together in a pleasant, enjoyable way. The value of friendly introductions is emphasized.</p>		1.50
<p>CREATIVITY - 10 min. - Color - USDA A mood-setting film in which color, motion and shapes have been combined with statements of the world's greatest philosophers. It is a very effective piece of work intended to set the mental stage for conferences or meetings in which individual responsibility or "Creativity" is to be stressed. Be sure to preview this film before you show it to an audience.</p>		2.40
<p>SOCIAL COURTESY - 11 min. - Black and White - Coronet. Shows that getting along in social groups requires a natural, easy form of behavior that makes use of courtesy. The film explains how to improve social manners, how to appreciate the difference between formal and informal events, how to make a simple introduction, and how to learn the "right thing to do". You can use this film very effectively with children of junior high age.</p>	TV	1.50

New movies (Cont.)

		<u>Service Charge</u>
HOW TO BE WELL GROOMED - 11 min. - Black and White - Coronet. . . Shows how two young teen agers, Don and Sue, improve their personal appearance through attention to good grooming habits. It demonstrates four fundamentals of good appearance: health, posture, cleanliness and neatness. It illustrates that in friendships and in business, success depends a great deal on how one looks. The film should be very useful in 4-H and FFA meetings.	TV	1.50
KNOW THE SEED YOU PLANT - 21 min. - color - Minn. Crop Improvement Assn. . . Will Myers, head of the University's agronomy department, explains the steps in producing Minnesota certified seed and shows why every farmer should use it. Breeders seed, plant selection, purification, sam- pling, inspection and many other terms used in connection with certified seed are explained.	TV	1.00
<p>This film replaces the film "Minnesota Certified Seed".</p>		
WHAT IS A FARM WORTH? - 17 min. - color - USDA (Federal Land Bank) - The story of a young couple looking for a farm to purchase. All the factors which affect its value are pointed out at an appraisal meeting. Coopera- tion of county agent and agriculture instructor is shown. The function of the Federal Land Bank in extending credit is emphasized.	TV	1.00
HOW TO HAVE AN ACCIDENT IN THE HOME - 8 min. -color- Walt Disney . . . Mr. Donald Duck, an average citizen, is almost hit by a street car, a piano, and a truck on his way home. Once at home, he thinks he is safe, but to his dis- may finds that there are more hazards at home than he realized.		2.40
<p>The film points out in cartoon style many common hazards around the home. It is entertaining as well as educational. Suitable for any age or type of group.</p>		
FOUR-H AND THE INSECT WORLD - 25 min. - color - Univ. of Georgia. . . A large variety of insects are discussed through the framework of a boy's 4-H project. Natural means of protection of insects are described. Activities of 4-H work including camps, record keeping, making collections and individual work are featured.	TV	4.80
<p>The film promotes 4-H club work and at the same time does a good job of teaching entomology.</p>		

New movies (Cont.)

Service
Charge

FOUR-H TRACTOR TRAILS - 15 min. - color - Standard
Oil Co. . . A story of the 4-H tractor project as demon-
strated by a 4-H member. Tommy is shown at the state
fair competing with other club members. A narrator
tells of all the work Tommy did to win his trip to the fair.
This includes, maintenance, safety and tractor handling.
Although Tommy doesn't win first place in the contest, he
does display the qualities of a 4-H member.

1.00

CATALOG OF AGRICULTURAL EXTENSION SLIDE SETS

Specialists in the Minnesota Agricultural Extension Service and the USDA have prepared these 2 x 2 slide sets. Send your request for slides to:

Extension Specialist in Visual Education
Agricultural Extension Service
Institute of Agriculture
St. Paul 1, Minnesota

Most slide sets cover state-wide conditions, and yet fit a number of local situations. The addition of locally made slides to any of these sets will greatly increase their value. The state sets should be considered as a central core around which to build material for your meetings. Please note these regulations:

1. If you need the set more than one week, state the dates you will be needing it in your original request. If no one else is waiting, you may keep it. Slides must be returned promptly on the day you have indicated.
2. Anticipate your needs and place the order two or more weeks before date needed. Be sure to specify dates slides are to be used in your county.
3. Order sets by number and title. Printed order forms are available upon request. It will facilitate record keeping if they are used.
4. When ordering, specify a second and third choice in case your first choice is out.
5. Return syllabus with the slides and be sure the last slide is not left in the slide projector.
6. Boxes of slides are frankable if you have the franking privilege, provided you put in your letter of transmittal.
7. Be sure to put the cover on the box of slides and tie the box securely when you return it.
8. NOTE: A SERVICE FEE OF 50¢ PER SET WILL BE CHARGED TO OTHER THAN EXTENSION WORKERS WITH A MINIMUM CHARGE OF \$1.00 PER ORDER.
9. Please preview your slide sets.

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT - Slides

Slide set
Number

163. BETTER LIVING - 34 slides - Color - USDA Farm Credit Administration and others. . . Primarily a teaching slide set picturing the basic principles of farm cooperation as compared with single ownership, partnership, or corporation in the U. S. The necessity for managerial ability in the purchasing and marketing services of cooperatives is shown as well as the importance of teamwork required between management, personnel and the board of directors. Designed for agricultural classes. With lecture notes.
134. FACTS ABOUT BULK MILK HANDLING - 47 slides - Color and Black and White - Bill Dankers, Fred Olson, and U. S. Steel Co. A slide set with a 25 minute tape recording describing the bulk system of handling milk showing the entire process from the milking of the cow to delivery of milk to the processing plant. It includes various phases of the subject including quality control, the size of tank required, costs and problems involved in changing over.
188. FARM MANAGEMENT - 20 slides - Color - Ermond Hartmans and Hal Routhe. . . This slide set illustrates some of the most important principles in planning a farm business. It also provides basic data for crop and livestock choices pertaining to Minn. conditions. The purpose of this set is to assist farmers in doing a better job of overall farm planning in order to make for a more profitable farm business.
61. FARMSTEAD ARRANGEMENT - 16 slides - Black and White - S. B. Cleland. . . These 16 slides show both good and bad arrangement of buildings in the farmstead. The originals from which they were made were airplane views of farms in Goodhue county. For any group in which some are planning to build or remodel, this set will stimulate lively discussion.
150. FOOD FACTS AND FIGURES - 21 slides - Color - U. S. Dept. of Ag. . . Tells who gets the consumer's dollar, how food habits have changed, and how farmers have increased their production. Brings in the nutrition angle also. Good for both town and rural groups.
- * 235. GETTING AND USING FARM CREDIT - 22 slides - Color - adapted by Hal Routhe. Recognizing credit as a useful farm tool, the slides present 10 aids to build and maintain a good credit standing. This set is the cooperative effort to the Farm Credit Administration and College Farm Management specialists.
214. MARKETING LIVESTOCK BY THE CALENDAR. - 24 slides, mostly color - Routhe, Hartmans, H. Pederson. . . Illustrates the seasonal pattern in livestock prices. Graphs show price cycles and script suggests how to plan livestock marketing for maximum profits.

AGRICULTURAL ECONOMICS, MARKETING, FARM MANAGEMENT - Slides

84. **MARKETING QUALITY POULTRY** - 30 slides - Color. . .
Stresses the importance of quality in marketing poultry and shows ways to improve the quality. Primarily for 4-H groups interested in dressing poultry.
147. **PARTNERS TALK IT OVER** - 45 slides - Color. . . Discusses a good life insurance program for families. Suggests that as the family grows and the responsibilities increase the insurance program should be shifted to meet the needs. Prepared by Women's Division, Institute of Life Insurance.
223. **TAXES AND EXPENDITURES** - 15 slides - Color - Harold Pederson. . . Shows how our tax load is divided among local, state and national taxes and how various factors affect the amount of taxes we pay. Cartoons and bar graphs tell the story graphically of tax levies assessed valuation and classification of property for tax purposes.
122. **WHAT IS A FARM MANAGEMENT SERVICE** - 46 slides - Color and Black and White - S. B. Cleland. . . Cleverly organized to show a farmer what a farm management service can do for him.

AGRICULTURAL ENGINEERING AND ELECTRIFICATION - Slides

172. **HOW TO BUILD FENCES** - 43 slides - Black and White - Successful Farming Magazine. . . This set tackles all major problems involved in fencing and points up the advantage of good fences, especially with modern farming practices of crop rotation, contour farming, rotational grazing, and livestock disease control. Besides the basic fence story, the filmstrip covers problem fences, temporary fences and gates. Many of these photos were taken at Rosemount Experiment Station of the U. of Minn. Cost from Successful Farming Magazine is \$3.50 in filmstrip form.
119. **SEE YOUR HOME IN A NEW LIGHT** - 31 slides - Color - General Electric. (Revised) . . This set of slides shows effective ways of lighting in the home and gives dimensions for proper lighting in certain working areas. Kitchen areas such as dishwashing, food preparation and meal planning are shown. Other rooms such as the laundry, living room, bedroom and bathroom, and workshops are discussed.
31. **USING ELECTRIC MOTORS PRODUCTIVELY ON THE FARM** - 35 slides - Black and White. . . How to select and install electric motors, how to make them profitable, and how to protect them from burning out. Productive uses of electric motors on the farm.

AGRONOMY - Slides

165. **CLEAN GRAIN ON IT'S WAY TO THE STORAGE BIN** - 36 slides - Color. . . It was produced by Dow Chemical Co. Shows the practices necessary to prevent contamination in grain storage. All the steps are included with special emphasis on fumigation for control of stored grain insects.

AGRONOMY - Slides - (Cont.)

189. CORN YESTERDAY AND TODAY - 45 slides - Mostly Color
Tells the story of an acre of 1925 corn planted along side an acre of 1955. Cultural practices in keeping with the two periods were used. The slides compare costs, returns and work involved. Narration of the tape is by Harold Jones, Ed Jensen and Arnold Wiebusch, soils agent in Goodhue County. It runs about 26 min.
169. HOW TO MAKE AND STORE GRASS SILAGE - 41 slides - Color and Black and White - Successful Farming Magazine. . . Here's a timely series covering three basic questions in silage preparation: How can it be done faster? How can it be done with less work? How can it be stored to insure top quality preservation? These slides show that by cutting at the right time, storing at the correct moisture content and by packing correctly, the highest quality can be obtained in making grass silage.
167. HUNGER SIGNS IN CORN - 25 slides - Color - Middle West Soil Improvement Comm. . . . Hunger signs that show on the leaves, stalks and ears of corn can help you detect the nutrients that are lacking or out of balance. They will not tell you what causes the starvation. When you read the signs you can take measures to correct the shortage, this year if possible, certainly by another year. With lecture notes that very adequately round out the teaching values of the color photos. The catalog lists a very similar filmstrip on the same subject.
168. HUNGER SIGNS ON LEGUMES - 39 slides - Color - Middle West Soil Improvement Comm. . . Deficiency symptoms are shown on soybeans, alfalfa, red clover, alsike clover and ladino clover. The effects of shortages and proper supply of phosphorus, potassium, calcium, magnesium, boron, iron and manganese are brought out by close-up and field color photos comparing affected and well-nourished plants.
- * 239. MALTING BARLEY PRODUCTION PRACTICES - 37 slides - Color - Wm. Hueg. . . A discussion of the production practices recommended in raising high quality barley for malting purposes. Economic gains made possible by using these practices are stressed.
97. MINNEAPOLIS GRAIN EXCHANGE, THE - Color. . . A revised set of color slides showing the operation of this organization. For 4-H members interested in the clean grain project or any ag. class studying grain marketing, these slides would be very helpful.
- * 238. SUCCESSFUL ALFALFA - YOU CAN GROW IT! - 40 slides - Color - American Potash Institute. . . Ten management practices essential to producing good alfalfa are shown and explained. Several phases of alfalfa production - hay, silage, pasture, concentrate feeds and soil improvement - are discussed. A very complete syllabus accompanies the set. Slides and syllabus have been checked by our specialists and recommended for use in Minnesota.

AGRONOMY - Slides - (Cont.)

241. WHEEL TRACK PLANTING - 16 slides - Color - Curtis Overdahl. The set shows and discusses basic principles of wheel track planting of corn. It could be supplemented with local slides and used very effectively in an agent meeting or high school agriculture class. It would be a good nucleus for a group discussion on the subject.

ANIMAL HUSBANDRY - Slides

General

108. BE HUMANE - IT'S YOUR GAIN - 33 slides - Black and White and Color - George Wisdom. . . Slides illustrate the handling of livestock on the farm; enroute and at market, emphasizing the prevention of a \$50,000,000 annual loss through deaths, cripples and bruises.
197. MARKET CLASSES AND GRADES OF LIVESTOCK - U. of Wis. Shows classes and grades of livestock and carcasses.
157. MEAT IDENTIFICATION - 63 slides - Color - Vo. Ag. Dept. - Oscar Meyer Co. and the Animal Husbandry Dept. - U. of Wis. This slide set is a good one for the identification and classification of various cuts of meat. It gives comprehensive information about all the pork and beef cuts and additional sections are available, if you wish, on lambs and veal. This is excellent for use before both farm and consumer groups in teaching meat identification.
80. MEAT LOSSES IN SHIPPING LIVESTOCK - 48 slides - Color - The story of bruised meat. Prepared by National Livestock Loss Prevention Board. Shows bruised sections of carcasses caused by improper handling of livestock.

Beef

101. FEEDER CATTLE GRADES - 25 slides - Color - Many classes and grades of cattle are available for feeding. Choose feeders to fit your accommodations and feed supply - these slides with syllabus will help in making that choice.
86. GROOMING AND SHOWING BEEF CATTLE - 34 slides - Color This set shows how to properly groom beef cattle, and also the correct show ring procedure. Good material to show just before a fair or livestock show.
133. PASTURE FEEDING OF BEEF CATTLE - 34 Slides - Black and White and Color - . . . As the title implies, this set gives the story of pasture feeding of beef cattle. Many of the pictures and much of the information for the slide set were taken on the farms of some of our leading beef feeders who use pastures extensively in their operations. This set works very nicely with the folder #169, "Pasture Feeding of Beef Cattle".

ANIMAL HUSBANDRY - Slides - (Cont.)

Dairy

- * 244. BETTER MILK THROUGH IMPROVED PRACTICES - 32 slides - Color - J. H. Gholson, J. C. Olson. . . This set illustrates management practices designed to produce quality milk. Bacteria-count charts and milk bacteria slides help to emphasize the importance of attitude and neatness in quality milk production. This slide set was made at the same time and is a good supplement to the folder of the same title - Extension Folder 106.
- 154. DON'T GAMBLE WITH MASTITIS - 32 slides - Color - Dr. A.E. Schipper. . . An entirely new set on mastitis control. Shows some of the causes and symptoms and suggests some methods of control. Extension Folder #175, "Don't Gamble with Mastitis", may be used as supplementary material.
- 88. GROOMING AND SHOWING DAIRY CATTLE - 34 slides - Color - This set is also the same as No. 86 except that it deals with dairy cattle.
- 46. PRODUCING QUALITY MILK - 57 slides - Color - H. R. Searles and W. L. Slatter. . . The story of producing quality milk is told through cartoons in color.

Sheep

- 87. GROOMING AND SHOWING SHEEP - 39 slides - Color. . . This set is the same as No. 86 except that it deals with sheep.
- 106. HARVESTING WOOL - 12 slides - Black and White and Color - Series illustrates principles of sheep shearing, employing the Australian method.
- 102. MARKETING WOOL EFFECTIVELY - 24 slides - Color - Do you know wool? Its value? Slides show the production and marketing of wool for more \$\$\$ and ¢¢¢. No syllabus.
- 22. SHEEP PRODUCTION - 36 slides - Black and White and Color - Selection of sires, handy equipment, pastures, parasite control, shearing.
- 103. SLAUGHTER LAMB GRADES - 6 slides - Black and White - Are your lambs marketed at the most economical grades? Can you bargain effectively with buyers? Slides illustrate grades, enabling a feeder to follow current market reports accurately. No syllabus.
- 110. TIPS ON SHEEP SHEARING - 27 slides - Black and White - Sunbeam, Inc. . . Slides illustrate tips on preparation for and shearing and handling of wool, and good husbandry practices. Slides are self-explanatory but additional pertinent lessons may be presented verbally.

ANIMAL HUSBANDRY - Slides - (Cont.)

Swine

171. HOW TO SAVE MORE PIGS - 34 slides - Black and White - Successful Farming Magazine. . . Shows positive ways of cutting down on that early pig loss. Covers such vital phases of hog-raising as disease prevention, farrowing, feeding and sanitation. Experience and research have shown that a few proper precautions mean money in the farmer's pocket and this set explains the simple steps to take. Priced at \$2.25 from Successful Farming Magazine in filmstrip form.
100. LITTLE WOMAN IS CHANGING THE HOG MARKET, THE - 60 slides - Color and Black and White -. . . Guiding farmers in the production of quality pork for today's housewife. By showing less interest in grease fat, fatbacks and other fat cuts than formerly, she is demanding leaner pork. To meet the change in demand, both breeders and feeders will need to "get in step" and produce the hog that will yield quality cuts and still do well in the feed lots. Slides show guiding factors from both consumer and producer angles.
243. THE MEAT TYPE HOG - 26 slides - Color - National Swine Growers Council. . . The slides demonstrate the efficiency of the meat type hog in economic production of meaty pork products. Eight conditions listed by producers in the make-up of the ideal animal are illustrated. Carcass cross sections show how and where measurements are taken. Planned for use in upper high school and adult classes.
132. MODERN HOG RATIONS PAY - 21 slides - Color and Black and White. . . A slide set on Dr. L. E. Hanson's experiment showing the difference in rate of gains, feed efficiency in hogs comparing a 1920, 1930, and a modern 1953 ration.
57. SYSTEMS OF RAISING HOGS - 31 slides - Color - H. G. Zavoral Mr. Zavoral has shown in this set the features of the centralized plan, the use of concrete, the use of clean pasture and a combination of these plans. The pictures were taken in southern Minnesota.

ENTOMOLOGY AND RODENTS - Slides

41. BENEFICIAL INSECTS - STORED GRAIN INSECTS - CATTLE GRUBS - 21 slides - Color - USDA. . . This set has three groups with a total of 21 slides which tell the story of each of the topics very well. A control measure is suggested for each insect.
165. CLEAN GRAIN ON IT'S WAY TO THE STORAGE BIN - 36 slides - Color - Dow Chemical Co. . . Shows the practices necessary to prevent contamination in grain storage. All the steps are included with special emphasis on fumigation for control of stored grain insects.

ENTOMOLOGY AND RODENTS

- Slides - (Cont.)

152. COMMON INSECTS - 12 slides - Color - Hercules Powder Co. Some of the common destructive insects of this region. Could be very useful for identification purposes.
43. EUROPEAN CORN BORER, THE - 14 slides - Color - USDA - Tape available. . . The various stages in the life cycle of this insect are shown in the set. Control measures are shown. Another damaging insect - the Southwestern corn borer which is not yet in Minn. - is also shown.
129. FOREST TENT CATERPILLAR, BIOLOGY AND CONTROL - 14 slides - Color. . . These slides illustrate all the stages of the life history of the Forest Tent Caterpillar. Slides representative of damage by this caterpillar are also included. Result of sprayed versus unsprayed are identified.
166. GRAIN SANITATION (USDA) - 52 slides - Black and White - USDA. . . This most recent set to emphasize that grain is food and that it must be kept clean supplements Slide Set #151. Covered here are: insects that attack grain and the damage they cause, perpetual harbors for insects and rodents, ways or preventing insect infestation, the bird and rodent problem and the sampling and grading of grain.
151. KEEP GRAIN CLEAN - 22 slides - Color - Minneapolis Grain Exchange. . . The primary objectives of the Food and Drug Administration clean grain program are to improve the sanitary conditions under which grain is handled and stored and to take such actions as are necessary to insure clean food for consumers. These slides were selected to help a speaker explain why and how civic leaders in a farm community should concern themselves with this program and also to illustrate methods of initiating appropriate steps for improvement.
68. POCKET GOPHER CONTROL - 25 slides - Color - Illustrates method of killing pocket gophers by the poison bait method. Shows how to mix the poison, locate the runways and place the poison.
142. REDUCING LOSSES FROM GRAIN STORAGE - 10 slides - Color Describes the important part molds play in grain storage. Special emphasis is given to the importance of moisture levels for the different grains and conditions under which the moisture content of stored grain may change. Prepared by Clyde Christensen working with Harold Pederson.

FARM SAFETY - Slides

124. ARE YOU INVITING CORN PICKER ACCIDENTS - 43 slides - Black and White - Glenn Prickett. . . Tells the way corn picker accidents have happened and suggests how they can be avoided. This set is highly recommended.
196. ARE YOU SAFE AT HOME - 50 slides. . . Points out the common safety hazards found in homes. Suggestions to correct them are given.
127. LIVE SAFETY, PREVENT HOME ACCIDENTS - 19 slides - Color - Glenn Prickett. . . The set pictures many farm accidents such as falls, fires, burns, handling guns, etc.
121. SAFETY IN TRACTOR CARE AND OPERATION - 30 slides - Black and White - International Harvester. . . G. Prickett has used this slide set for many displays and it has been borrowed to use at meetings where safety is being discussed. It is in cartoon form.
206. SET UPS FOR UPSETS - 24 slides - Black and White - National Safety Council. . . It shows many common tractor accidents that occur on farms and a statement on each slide that suggests prevention techniques of the particular accident. A good set for any farm group.
205. TAKE MY WORD FOR IT - 23 slides - Black and White
Experience is a good teacher, but there are things you can't afford to learn by experience. Shows just a few of the farm accident victims who have paid a price they could not afford - a severed hand, a mangled leg and in some cases, life itself. Their stories teach how to avoid such a price. A collection from accidents pictured by Mr. Rupp in The Farmer Magazine.
198. TEN COMMON DRIVING EMERGENCIES AND HOW TO MEET THEM - 34 slides - Color - Glenn Prickett. . . These are copied from charts setting up the problems and then suggesting answers. Complete captions on each slide make an accompanying syllabus unnecessary. Mr. Prickett has used the set very successfully at a number of safety meetings around the state.
229. TRACTORS AND TRAFFIC - 23 slides - Color - National Safety Council. . . Safe handling of tractors on highways. Emphasizes safe handling of tractors in traffic and highways--especially when pulling out of farm driveways --and when pulling farm equipment. Proper lighting and reflectorizing of drawn equipment is emphasized.
185. USING ELECTRICITY SAFELY (no syllabus) - 35 slides - Black and White. . . Tells how to use electric appliances safely. Any group of people from 4-H Club age and up would profit from seeing these slides.

FARM SAFETY - Slides - Cont.

- 207. USING SHOP TOOLS SAFETY - 49 slides. .Shows "do's" and "don'ts" when using power tools. Copied from printed safety literature.
- 208. USING POWER TOOLS SAFELY - 49 slides. . Shows "do's" and "don'ts" when using power tools. Copied from printed safety literature.
- 210. WHAT YOU SHOULD KNOW ABOUT RADIOACTIVE FALL-OUT - 50 slides - Glenn Prickett. . . Tells what rural people should know about this subject. Prickett, a farm safety specialist, has used the set a number of times and recommends it for any audience of youth or adults.

New Filmstrips in Library

SAFETY WITH GUNS - a series of six color, single frame filmstrips on various phases of gun safety. The six areas covered include:

1. Types of guns, actions and parts
2. Methods of loading, carrying, cleaning and storing
3. Marksmanship, shooting positions, checking ammunition
4. Hunter responsibility, farmer relations, conservation practices
5. Description of upland game and waterfowl for identification purposes
6. Hunting tips and techniques, preparing for a hunt, safety practices

You will need a single frame filmstrip projector to show these filmstrips. You will find these filmstrips very helpful in youth meetings because of the emphasis now being put on the subject of gun safety. Please indicate whether you want certain ones of the whole set.

FORESTRY - Slides

- 58. COMMON EVERGREEN TREES OF MINNESOTA - 24 slides - Color. . The characteristics of evergreens including general shape, leaves, and bark are shown. The set would be suitable at 4-H meetings, or any meeting where tree varieties are mentioned.
- 59. COMMON BROADLEAF TREES OF MINNESOTA - 32 slides - Color. . . Similar to set on evergreens except that it includes the broadleaf trees.
- 187. LET'S VISIT OUR FORESTS - 40 slides - Color. . . Tells what a forest is and how the public as well as the owner benefits. Operation of certain fundamental forest practices which owners could profitably adopt are explained. The set is recommended for general meetings, youth as well as adult.
- 74. PLANNING FARMSTEAD SHELTERBELTS - 30 slides - Color
This set deals with the reasons for having a shelterbelt and makes suggestions for laying one out.
- 75. PLANTING FARMSTEAD SHELTERBELTS - 36 slides - Color
These slides show the preparation of soil, the handling of seedlings and actual plantings. Suggestions are made for the renovation of old shelterbelts.

FORESTRY - Slides - (Cont.)

76. SHELTERBELT CARE AND MAINTENANCE - 37 slides - Color
Emphasizes the need for proper care of the shelterbelt. Gives suggestions for care and maintenance including protection from insects, gophers, livestock, weeds, etc.
128. TREES (BROADLEAF) FOR BEAUTY AND SHELTER - 36 slides - Color. . . This set includes views of trees that are frequently planted in Minnesota. Some are equally useful for shelter and yard plantings. Others are of value only in the landscape or in protection plantings.
17. WOODLOT MANAGEMENT - 12 slides - Color. . . Treatment and management of farm woodlot. Results of proper thinning and proper control of underplanting. This set is adapted to the northeastern section of the state where coniferous trees are more abundant. Pictures taken in St. Louis county and the Cloquet Experiment Station.
125. WOODY SHRUBS FOR LANDSCAPE AND PROTECTION PLANTING 41 slides - Color - Tape. . . Leon Snyder and Marvin Smith have made a tape to go with this slide set. It is made primarily for use by agents in showing types of landscape plantings and shelterbelts for use on farms and city lots. There is also a syllabus which can be used. Please indicate which you prefer when requesting booking. Ext. Bulletin 196 and 267 could be used with this set.

4-H, FFA AND RURAL YOUTH - Slides

Activities

83. COUNTY BOOTHS (OPEN CLASS) AT 1948 MINNESOTA STATE FAIR - 23 slides - Black and White - Glenn Peterson. . . A view of each of the booths entered in 1948. No syllabus.
10. 4-H CLUB CONSERVATION CAMP AT ITASCA PARK - 32 slides - Color - Revised. . . Activities at 1957 conservation camp. Interesting views of camp and camp life make this an enjoyable set of slides to show at 4-H club meetings.
175. MISSISSIPPI 4-H TRIP - 1954 - 42 slides - Color - U. of Minn. This set has been made from slides taken by the participants in the 1954 Minn. 4-H Interstate Exchange Trip to Mississippi. Well-photographed scenes document the points of interest visited including ones of historic nature and others of agricultural import.
213. MISSISSIPPI 4-H EXCHANGE TRIP IN 1956. - 40 slides - Color - This set was made up from slides taken by participants in the Mississippi trip. The trip is well documented. Set would be useful in any meeting where 4-H activities were being discussed. Points of historic and agricultural interest are shown.

4-H, FFA AND RURAL YOUTH - Slides - (Cont.)

120. 1950 STATE FAIR BOOTHS - KANSAS STATE - 21 slides - Color
This set is similar to Minn. 4-H Booth set but gives a few different ideas.
194. STATE FAIR 4-H BOOTHS - 40 slides. . . Of the 1954 and 1955 state fair booths. Included are several charts showing points to keep in mind when planning a booth. The currently used score card is also shown. This set could be used for a discussion of window displays also. Many agents have made color slides of their best county booths each year. These could be worked in nicely with set # 194.
- * 242. STATE FAIR 4-H BOOTHS 1957 - 49 slides - Color - 4-H Staff
A number of booths in the 4-H building were photographed to show effective techniques in planning and building booths. A syllabus accompanies the slides pointing out features of interest in each. Principles brought out are the same as in the set of slides on 1954 State Fair 4-H Club booths.

Demonstrations

60. 4-H DAIRY GROOMING AND SHOWMANSHIP - Ralph Wayne
These slides are intended to tell 4-H dairy boys and girls how to prepare and show their calves at a fair. A few suggestions on grooming and several on what to do and how to do it at the fair are in the set.
62. GOOD 4-H DEMONSTRATION METHODS . . . This set suggests good techniques in putting on 4-H demonstrations. Clothes to wear for both boys and girls, equipment needed, kinds of charts and similar ideas are included.
52. PREPARING A LAMB FOR THE FAIR - 15 slides - Black and White - W. E. Morris. . . Shows the steps in preparing and exhibiting a 4-H club lamb. A prize-winning lamb at the Junior Livestock Show was used as an example.
195. PREPARING THE 4-H VEGETABLE AND POTATO EXHIBIT - 30 slides - Color - O. C. Turnquist, extension horticulturist, has assembled these to illustrate this 4-H task. Many of the slides were made at the state fair. They show important techniques valuable for any group interested in exhibiting vegetables or potatoes.
117. JUDGING DAIRY CATTLE - 58 slides - Color - Ralph Wayne
The set was planned for use in teaching students how to judge cattle. The features to look for in judging are pictured and explained. All common dairy breeds are used for examples.
6. 4-H SHEEP JUDGING - 15 slides - Black and White and Color
Sheep judging simplified for use of 4-H club members.

4-H, FFA AND RURAL YOUTH - Slides - (Cont.)

Leadership and Meetings

107. INDIVIDUALS IN A GROUP (Revised)- 18 slides - Black and White - Evelyn Harne. . . Intended for use by older 4-H members and Rural Youth. The slides would be excellent background material for a discussion of how leaders can work more effectively with groups.
240. KEEPING OUR YOUNGER 4-H'ERS LONGER - 22 slides - Color - Iowa State College. . . This set has been adapted for Minnesota use from the Iowa slides. Material in the slides is based on research findings with reasons given for (1) boys and girls not joining, (2) joining, (3) dropping out, and (4) remaining as club members. The set should be of interest to any club that is studying the problems of getting and keeping boys and girls in club work.
220. PARLIAMENTARY PROCEDURE - 49 slides - Color - 4-H Staff Fundamentals of conducting a group meeting are pictured in cartoon form. The set was developed primarily for 4-H club work, but would be useful in any meeting where parliamentary procedure is being discussed. They are in single frame size - that is just half the regular size. An ordinary 2 x 2 slide projector will handle them, however, because the outside dimension is the same as all of our other slides.

Projects

11. 4-H FORESTRY - 40 slides - Color. . . Planting trees to beautify the farm and to provide an effective windbreak.
158. 4-H GOOD GROOMING - 1954 - 36 slides (Boys and Girls) - Color Both 4-H boys and girls should be interested in good grooming. Good grooming ties in with the 4-H health activity and with the 4-H girls' clothing project. Several slides were taken at the 1953 State Good Grooming Contest. These were made into a set that should be of interest to 4-H boys, girls, and local leaders. A script accompanies the set and the slides take from 20 to 30 minutes to present. This could be followed by a discussion on grooming.
112. 4-H HOME BEAUTIFICATION - 23 slides - Color. . . These slides were used in 4-H leader training meetings to explain the home beautification project. They suggest possibilities in carrying out the project.
148. 4-H HOME FURNISHING PROJECT - 26 slides - Color - This set tells about the type of thing a club member can make in the home furnishings project. Set covers, such things as bed dressings, window curtains, furniture finishes, chair pads, room layouts, etc. Along with each slide set you will receive a folder containing swatches of fabric suggested for window curtains, chair pads, dust ruffles, and dressing table skirts. This folder will have to be mailed separately from the slide set. Be sure to return both when finished.

4-H, FFA AND RURAL YOUTH - Slides - (Cont.)

Projects

66. HOME DRESSING OF POULTRY - 21 slides - Color - Cora Cooke
Primarily intended for 4-H poultry project members preparing poultry for exhibit. The slides show various steps in killing and dressing and include necessary equipment.
219. WATERFOWL CONSERVATION - 21 slides - Color. . .Shows the possibilities of waterfowl conservation in west central Minnesota. Explains how to track hatched ducklings to find migration routes and feeding grounds.

AGRICULTURAL EXHIBITS AVAILABLE - You will be interested in the exhibits on all phases of Extension work available from the United States Department of Agriculture in Washington. Subjects include farm machinery, forage forestry, grains livestock, marketing, pasture, soil and water conservation, extension work in general and 4-H club work. These exhibits will be sent to you at no cost except transportation and the work of setting them up. Since there is usually only one of a kind requests should be made as far in advance as possible. For a complete description of exhibits on a particular subject write the Exhibits Service, Office of Information, USDA, Washington 25. We have information regarding many of the USDA exhibits at the state Agricultural Extension Service office on the St. Paul Campus, also.

FLANNELGRAPHS

The CAMEL - A flannelgraph to show the many responsibilities and duties of a leader. Illustrates how the 'load' of responsibilities may be lifted with the use of junior leaders, leader council, or leader training, whichever suits the occasion. Service charge \$1.00.

The 4-H TREE - This flannelgraph illustrates the need for strong 4-H support in the home, church, and school. The 4-H tree also illustrates the many phases of 4-H work and the ultimate goal of developing good citizens. Presented at the 1958 Leaders Institute. Service charge \$1.00.

GARDEN PLANNING - Can be used to illustrate Extension Folder #164, 'Getting Started With Your Vegetable Garden' by O. C. Turnquist. This flannelgraph has been designed to provide for planning, layout, and first and second plantings. Service charge \$1.00

HOME ECONOMICS - Slides

Clothing

155. COLOR IN YOUR CLOTHES - 36 slides - Color - McGraw Hill Book Co. . .Although this set was made for school use, it should be effective in 4-H club activities and projects. It shows how effective use of color in clothes will greatly enhance attractive-

Clothing

COLOR IN YOUR CLOTHES (continued) . . .ness and appearance. It gives a value scale of colors, neutrals, warm and cool colors; and shows how these color values can be utilized in clothes. Combining colors, use of color in accessories, plaids and prints in combination with plain colors and the importance of a harmonious color scheme are considered. No syllabus needed.

174. THE FIT OF A MAN'S SUIT - 28 slides - Black and White - USDA Extension Service. . . The purpose of this slide set is to show the basic principles of a good fit in a man's suit. The steps are: be measured for size, determine body type - short, medium, portly, etc.; select model that looks well - 2 or 3 button single breasted and double breasted; and checks for details of fit from the set of the collar to the length of the trousers.
160. HINTS ON MAKING A DRESS, PART 1 - 47 slides - McGraw Hill Book Co. . . This series gives clear, complete information on dress patterns and on the factors to consider in choosing material such as pattern style, season, best colors for the individual and sewing skill. Terms are defined for pattern-reading. How to alter patterns, how to pin and cut and how to transfer pattern markings are included. The commentary is on each slide.
161. HINTS ON MAKING A DRESS, PART 11 - 39 slides - Black and White - McGraw Hill Book Co. . . Logically following slide set #160, this shows how to stitch darts, how to make a plain seam and how to finish seam edges. The "hows" of seam pressing, making of collars, attaching facings, matching skirt pieces and attaching the waist and skirt are included. Fitting of the garments, attaching the waist and skirt are included. Fitting of the garments, testing seams, making seams for the placket and putting in the zipper are discussed. Tips on hemming and making and inserting the sleeves are suggested. Each slide has its own commentary.
162. MAN'S APPEARANCE COUNTS, A - 38 slides - USDA Extension Service. . . Designed for typical young Americans and their girl friends or wives to stress the basic components of good appearance. Uses non-professional models and a limited variety and number of items, to develop the idea that good appearance is not essentially a matter of extensive wardrobes, but depends on good selection and good taste in what you have. The lecture notes suggest a preliminary check of the local clothing market to build audience confidence.
176. QUALITY OF A MAN'S SUIT - 28 slides - Black and White - USDA Extension Service. . . In this slide set two suits with contrasting qualities - one high and one low - show the values, or the lack of values and what they may do for the wearer in service and appearance and comfort. High points of both materials and workmanship will help men to understand how certain materials and construction function to give the suit qualities wanted.

HOME ECONOMICS

- Slides - (Cont.)

Clothing

156. RIGHT CLOTHES FOR YOU, THE - (Girls) - 37 slides - Color - McGraw Hill Book Co. . . This slide set was made for school use but will fit into 4-H club activities well. It shows how clothes should be becoming and appropriate to the season, place and occasion. Magazines and window shopping, it points out, are valuable idea sources for clothes. Valuable information is given on both tailored and sports clothes, with points on lounging and dressy clothes.
159. SEWING BY HAND - 42 slides - Black and White - McGraw Hill Book Co. . . This set emphasizes learning the basic setups in hand sewing. It begins with correct posture, holding of materials, threading of needles, making a knot and how to use a thimble. Stitches made are basting, gathering and slip stitch. Fasteners are sewed on with buttonhole stitch, buttons with a shank and socks darned. Commentary on each slide.
89. WHAT TO WEAR WITH WHAT - (Boys) - 35 slides - Color - Athelene Scheid - Tape available. . . This slide set was designed to help young men select clothing suited for body build and personal coloring. The information given on good fit, texture, and color combinations is fundamental to a well dressed appearance, anytime, any place. Clothes were modeled by young men in School of Agriculture at the University Farm in 1950.

Foods and Nutrition

105. II AGRICULTURAL OUTLOOK CHARTS RELATED TO FOOD - 15 color slides. . . Selected from the 1957 chartbook. They show food purchases in various areas, sources of calories, vitamins, minerals, and foods purchased by different income groups. A syllabus has been prepared by extension nutritionists and mailed to every home agent. The set is numbered 105-II - 1957.
186. COOKING MEAT ACCORDING TO THE CUT - 50 slides - Black and White - USDA. . . It shows proper cooking methods for the different cuts of meat. It would be helpful for homemaker groups.
150. FOOD FACTS AND FIGURES - 21 slides - Color - USDA
Tells who gets the consumer's dollar, how food habits have changed, and how farmers have increased their production. Brings in the nutrition angle also. Good for both town and rural groups.
153. FREEZING FRUITS AND VEGETABLES - 60 slides - Color - USDA. . . Step-by-step procedures for freezing fruits in sugar and in syrup using strawberries and peaches. Same procedure applies to other fruits. Second part shows broccoli and corn-on-the-cob.
227. GOOD MEALS FOR BUSY DAYS - 50 slides - Color - Verna Mikesh, Grace Brill. . . Attractive menu planning suggestions with sound management practices make this set useful for pre-

HOME ECONOMICS

- Slides - (Cont.)

Foods and Nutrition

GOOD MEALS FOR BUSY DAYS - (continued). . .sentation to 4-H and Extension home project groups. Emphasis is on the use of evaporated milk. Three menus are suggested. Arrangements for reproducing the recipes suggested should be made locally as recipes do not appear on the slides. The slides are single frame size.

199. HOW TO COOK MEAT BY DRY HEAT - 50 slides - Color Shows three methods of dry heat cookery - roasting, broiling, and pan-broiling. It shows preparation and end result of proper dry heat cooking. The set was prepared by the National Livestock and Meat Board and would be excellent for homemaker and 4-H groups.
200. HOW TO COOK MEAT BY MOIST HEAT - 50 slides - Color - National Livestock and Meat Board. . .It shows modern methods of braising for pot roasts, steaks, chops and other cuts; also cooking in liquid for stews and large cuts. This set would be excellent for homemaker and 4-H groups.
218. JUDY'S FAMILY FOOD NOTEBOOK - 46 slides - Color - Verna Mikesch, Grace Brill. . . Discusses the importance of eating different kinds of food every day. Foods are pictured very attractively. The set should be good for teaching the principles of nutrition to younger 4-H club members.
216. MEAT CUTS - KNOW YOUR BEEF AND PORK (Fresh and Cured)- 50 slides - Color - National Livestock and Meat Board. . .Set shows retail cuts of meat in close-up pictures. Also includes cookery methods which can be used with each cut.
217. MEAT CUTS - KNOW YOUR LAMB, VEAL AND VARIETY MEATS (Fresh and Cured) - 32 slides - Color - National Livestock and Meat Board. . .Similar to set #216. Close up pictures well done.
212. MILK AND GOOD HEALTH - 50 slides . . .A set of 50 color slides on the part milk plays in promoting good health. These are single frame size which are cut up from a filmstrip of cartoons and plain drawings. Information is from National Research Council. A regular 2 x 2 slide projector will handle the slides.
96. PRODUCTION AND USE OF DRIED MILK - 52 slides - Black and White and Color - Ralph Wayne. . .Designed primarily for a consumer audience but could be very helpful in discussing the milk market situation with producers. The set tells how dry milk production has increased, how it is manufactured, and pictures many uses. Suggestions for producing higher quality are included.
202. QUICK BREADS "BISCUIT METHOD" - 41 slides - Color - These slides will be of particular interest to the 4-H girl enrolled in beginning food projects and women enrolled in the extension home program. Also of interest to girls preparing 4-H demonstrations.

HOME ECONOMICS - Slides - (Cont.)

Foods and Nutrition

203. QUICK BREADS "MUFFIN METHOD" - 38 slides - Color - Of special interest to 4-H girls enrolled in food projects and to homemakers enrolled in extension home program groups. Recipes are included in the script. They are not the same as those found in 4-H food bulletins, but are acceptable.
204. QUICK BREADS - "VARIETY ROUNDUP" - 47 slides - Color - This series will be of interest to the 4-H member enrolled in 4-H breadbaking or food preparation. Homemakers interested in quick breads and deep frying will find it useful. Recipes are included in the script. The operator must allow for extra time to enable viewers to obtain the recipes, or else provide recipe sheets. 4-H girls may profit by some excellent demonstration suggestions. All will profit by the introduction of some unusual foods attractively served.
201. TRICK OF YEAST ROLLS AND COFFEE CAKE, THE - 50 slides - Color. . . Of interest to 4-H girls enrolled in the advanced bread baking project and to members of extension home project groups. Many practices illustrated can be hints for 4-H demonstrators, especially the choice of containers for ingredients. Some of the recipes given deviate from those given in 4-H and extension home bulletins and literature.
149. YOU AND YOUR MEAT SUPPLY - 33 slides - Color - Wilson & Co. and SCS. . . Formerly "Modern Meat Merchandising - The Consumer and the Farmer." This set is from a demonstration presented at Livestock and Land Institute. It shows pounds and costs of various cuts from sides of beef and the problems of pricing to attract the consumer. Excellent for consumer groups.

Home Management

232. BELTSVILLE ENERGY SAVING KITCHEN WORKROOM - 35 slides - color - USDA. . . Shows all kitchen work centers including a laundry unit. The new kitchen emphasizes well planned storage, a minimum of steps between items of equipment, provision for sitting at the sink and mixing center, and construction features which eliminate motions.
42. BUILDING KITCHEN CUPBOARDS - 26 slides - Color and Black and White . . . Suggestions for building and remodeling kitchen cupboards. Both new and made-over kitchens are shown. Some contemplated changes are shown in a third kitchen.
190. CHRISTMAS DECORATIONS - 27 slides. . . On table-mantle and door decorations. These were copied from color pictures in "Better Homes and Gardens".

HOME ECONOMICS

- Slides - (Cont.)

Home Management

230. DIRECTING YOUR DOLLARS - 62 slides - Color - Institute of Life Insurance. . . Money management problems of high school boys and girls are indicated in three case situations. Questions and comments following each case serve to stimulate group participation.
79. HOME DEMONSTRATION WORK IN McLEOD COUNTY - 26 slides - Black and White. . . Shows the various types of work done by a home agent. Prepared to interest girls in extension work.
119. SEE YOUR HOME IN A NEW LIGHT - (Revised) - 31 slides - Color - General Electric. . . This set of slides shows effective ways of lighting in the home and gives dimensions for proper lighting in certain working areas. Kitchen areas such as dish-washing, food preparation, and meal planning are shown. Other rooms such as the laundry, living room, bedroom and bathroom, and workshops are discussed.
215. SELECTION AND USE OF ACCESSORIES IN THE HOME - 26 slides - Color - Myra Zabel. . . A quiz on selection of accessories for the home. It was made to accompany 4-H Club multilith Chapter 4 entitled "Accessories for Your Home".
82. A STEP SAVING KITCHEN - 29 slides - Color - USDA. . . Explains how maximum convenience can be secured in a U. kitchen planned primarily for the farm home. This U. kitchen was designed in the housing and equipment laboratories of the Bureau of Human Nutrition and Home Economics, USDA.

HORTICULTURE

- Slides

231. ANNUAL FLOWERS - Color - C. Gustav Hard. . . Common annual flowers are shown with an explanation of growth characteristics. The syllabus tells where individual flowers will best serve in an overall planting. This set is adapted for home horticulturists and the 4-H improvement project.
73. GARDEN FLOWERS - 36 slides - Color - L. C. Snyder. . . A description of common garden flowers of Minn. A few wild flowers which could be raised in the garden are included.
53. HOME FRUIT PLANTINGS - SOUTHERN MINNESOTA - 38 slides - mostly color - L. C. Snyder. . . These slides show the small fruit varieties adapted to the southern half of Minnesota and recommended practices in their culture.
54. HOME FRUIT PLANTINGS - NORTHERN MINNESOTA - 35 slides - Mostly Color - L. C. Snyder. . . This set is similar to No. 53 except that it is designed for the northern half of Minnesota. Majority of the slides are the same in both sets.

HORTICULTURE - Slides - (Cont.)

228. HOME VEGETABLE GARDEN, THE - 50 slides - Color - Turnquist
Discusses cultural practices necessary for a successful vegetable garden. Includes planning, soil preparation, planting, summer care, pest control as well as storage conditions after harvest.
77. HOUSE PLANT CULTURE - 35 slides - Color - L. C. Snyder
Explains such steps as the potting, watering, fertilizing, planting and controlling pests of house plants.
72. KINDS OF HOUSE PLANTS - 40 slides - Color - L. C. Snyder
This set deals with the kinds of house plants commonly grown. These include flower plants, bulbs, gift plants, succulents, ferns, and vines.
211. SOME PRINCIPLES OF FLOWER ARRANGEMENT - 30 slides - Color - C. Gustav Hard, extension horticulturist. . . The pictures were taken at a recent flower arrangement short course at the Institute of Agriculture. Suitable at any meeting of 4-H or others interested in the subject. Not suggested for beginning design.
15. SUCCESSFUL RASPBERRY GROWING - 33 slides - Color
Planting, harvesting, and prevention of injury to plants and berries.
125. WOODY SHRUBS FOR LANDSCAPE AND PROTECTION PLANTING
41 slides - Color - Tape. . . Leon Snyder and Marvin Smith have made a tape to go with this slide set. It is made primarily for use by agents in showing types of landscape plantings and shelterbelts for use on farms and city lots. There is also a syllabus which can be used. Please indicate which you prefer when requesting booking. Ext. Bulletin 196 and 267 could be used with this set.

PLANT PATHOLOGY - Slides

221. POTATO DISEASES - 50 slides - Color - Herb Johnson, Extension Plant Pathologist. . . Shows common diseases of potatoes and a short description of the pathogen in each case. Rather detailed coverage of late and early blight is included. The set shows some virus diseases and their control.
99. STEM RUST OF WHEAT - 28 slides - Color - The story of stem rust of wheat. Its life cycle, including the part that barberry plays, is shown. Suggestions for control are given.

Microscopic Slides of Black Stem Rust

Some excellent material for teaching the various stages of stem rust is available by writing to Mr. T. H. Stewart, Box 2502, St. Paul Campus, University of Minnesota, St. Paul 1.

PLANT PATHOLOGY

- Slides - (Cont.)

Microscopic Slides of Black Stem Rust (continued)

Stages in the life cycle of black stem rust are shown on microscopic glass slides. They are packaged three to a box as follows:

1. Cross section of wheat tissue infected with the black or winter stage of stem rust.
2. Cross section of common barberry leaf infected with the cluster cup stage of stem rust.
3. Cross section of wheat tissue infected with red or summer stage of stem rust.

These slides are available to agriculture or science teachers and to anyone who can use them in his work.

POULTRY

- Slides

66. HOME DRESSING OF POULTRY - 21 slides - Color -
This set of slides is primarily intended for 4-H poultry project members who are preparing poultry for a show. It is also adapted for anyone doing home dressing and could be expanded with special adaptation for preparation of poultry for the locker.
234. HOUSING YOUR LAYING FLOCK - 35 slides - Color. . . This set illustrates several types of laying houses. Suggestions for ventilation, insulation, automatic equipment and materials handling are included. Ideas for community nests and dropping pits are proposed for consideration when planning new buildings and converting old ones.
85. LET'S KEEP A GOOD EGG GOOD - 50 slides - Color. . . The different egg grades are shown with factors that are responsible for their deterioration.
222. RESPIRATORY DISEASES OF POULTRY - 40 slides - Color - Ben Pomeroy. . . With cartoons and color slides of actual diseases, Dr. Pomeroy explains the significance of common poultry diseases. Preventative and control measures are shown. In addition to the typewritten syllabus, a tape recording is available to accompany the slides (7 1/2 in. per second). If you want the tape, be sure to ask for it.

SOILS AND FERTILIZERS

- Slides

225. KNOW YOUR LAND - 24 slides - Color - Roger Harris. . . This set shows examples of proper and improper land use according to the various land capability classes. It is a good companion set to #136, "Soils of Minnesota", #144 "Land Judging" and # 209, "Soil Erosion".

SOILS AND FERTILIZERS - Slides - (Cont.)

- * 144. LAND JUDGING (Revised) - 31 slides - Roger Harris. . . This set is entirely different from the original. It now may be used to teach all age groups the actual details of judging land and soil.
- 141. ORGANIC MATTER IN GOOD SOIL MANAGEMENT - 38 slides - Black and White - Harold Jones. . . This slide set is designed for presentation to farmers, dealers and advanced youth groups. The set presents these points: status of organic matter in Minn. soils; relationship between organic matter in the soil and crop yield; major factors governing performance of organic matter, influence of organic matter on important qualities of soil related to crop production; and practices that add organic matter to the soil.
- * 233. POTASSIUM DEFICIENCY SYMPTOMS - 20 slides - Color - Lowell Hanson. . . All but four of the slides were supplied by the American Potash Institute. The syllabus has been adapted to Minnesota conditions by Lowell Hanson, Extension soils specialist. The slides promote the use of diagnosis such as soil tissue tests to detect needs before deficiency symptoms appear. A few slides from Mower County are included showing how symptoms look in Southern Minnesota.
- 209. SOIL EROSION - 42 slides. . . Show different common types of soil erosion in Minnesota and control methods.
- 224. SOIL FERTILITY AND SOYBEANS - 42 slides - Color . . . The goal of every soybean grower should be to produce forty bushels of soybeans per acre. This set of slides has been selected to help you think out some of your individual problems to reach that goal.
- 136. SOILS OF MINNESOTA - 43 slides. . . Show the profiles of various soils of Minn. with corresponding terrain pictures. A soils map of the state is included.
- * 241. WHEEL TRACK PLANTING - 16 slides - Color - Curtis Overdahl
The set shows and discusses basic principles of wheel track planting of corn. It could be supplemented with local slides and used very effectively in an agent meeting or high school agriculture class. It would be a good nucleus for a group discussion on the subject.

VOCATIONAL GUIDANCE - Slides

- * 237. HOME AGENT CAREERS - 26 slides - Color - Caroline Fredrickson
For use in acquainting groups with the work of a home agent. Mrs. Eloise Layman, Home Agent, Faribault County, shows the various types of work in a day with a home agent.

VOCATIONAL GUIDANCE

- Slides - (Cont.)

- 182. OPPORTUNITIES FOR TRAINING AND EMPLOYMENT IN AGRICULTURE, FORESTRY, AND VETERINARY MEDICINE - 45 slides - Color. . .Covers college programs in agriculture, forestry and veterinary medicine at the U. of Minn. and employment opportunities for professional workers in these three fields. Designed especially for high school students interested in science and the many phases of agriculture. Revised.
- 183. OPPORTUNITIES FOR TRAINING AND EMPLOYMENT IN AGRICULTURE, FORESTRY, AND VETERINARY MEDICINE - 30 slides - Color. . .Similar to Slide Set No. 182. Designed especially for 4-H club and similar groups Revised.
- 184. PREPARING FOR CAREERS IN FORESTRY - 57 slides - Color Covers college offerings of the School of Forestry of the U. of Minn. and employment opportunities for professional foresters. Designed especially for young men in 4-H clubs, high schools and similar groups.
- 143. PREPARING FOR CAREERS IN HOME ECONOMICS - 30 slides - Color. . .Covers college offerings of the School of Home Economics of the U. of Minn. and employment opportunities for professional home economists. Designed especially for young women in 4-H club and high school groups.

WEEDS

- Slides

- 193. COMMON MINNESOTA FIELD WEEDS - 35 slides - Color - Produced by Ed Jensen, extension agronomist. . .This set shows many of the common field weeds of Minnesota. The set tells where these common weeds are found.
- 191. COMMON MINNESOTA WEEDS IN FLOWERING STAGE - 46 slides - Color. . .Shows common annual, biennial, and perennial weeds in their flowering stages. It tells where and when these weeds are commonly found and what conditions are necessary for growth.
- 180. GIANT FOXTAIL - 14 slides - Black and White and Color - This set shows the different types of foxtail by physical differences and the methods of controlling the weed.
- 24. WEED CONTROL - 34 slides - Black and White and Color Identification of various weeds and recommended control methods. Syllabus revised in 1954.
- 192. WEEDS OF INTEREST TO THE CITY FARMER - 28 slides - Color. . .Tells about common weeds found on lawns, orchards, and gardens. The set will be of particular interest to gardeners.

For new slides as announced in the TIP SHEET

237. HOME AGENT CAREERS - 26 slides - color - Caroline Fredrickson- This set was planned to acquaint groups with the work of an Extension home agent. Mrs. Eloise Layman, home agent, Faribault County, is featured doing the various types of work in a typical home agent's day. The lecture notes include information that girls choosing a vocation would want.
247. WHEAT - GRAIN GRADING - 74 slides - color - Okla. State Univ. & Seedburo Equipment Co. . . Deals with the official standards for wheat, inspection and sampling methods, factors determining grade, making moisture, dockage and weight-per-bushel test, special grades and classes of wheat and the detailed analysis of a sample.
245. CORN-GRAIN GRADING - 57 slides - color - Okla. State University & Seedburo Equipment Co. . . Deals with corn inspection methods, taking samples, factors determining grade, making weight-per-bushel test, moisture test, types of kernel damage, and grades and classes of corn.
246. SOYBEANS - GRAIN GRADING - 58 slides - color - Okla. State Univ. & Seedburo Equipment Co. . . Shows inspection and grading methods, taking samples, factors determining grade, making moisture and weight-per-bushel test and special grades and classes of soybeans. A detailed analysis of one sample is explained.

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