

MAGR  
GOVS  
MN  
2000  
MISC-1953

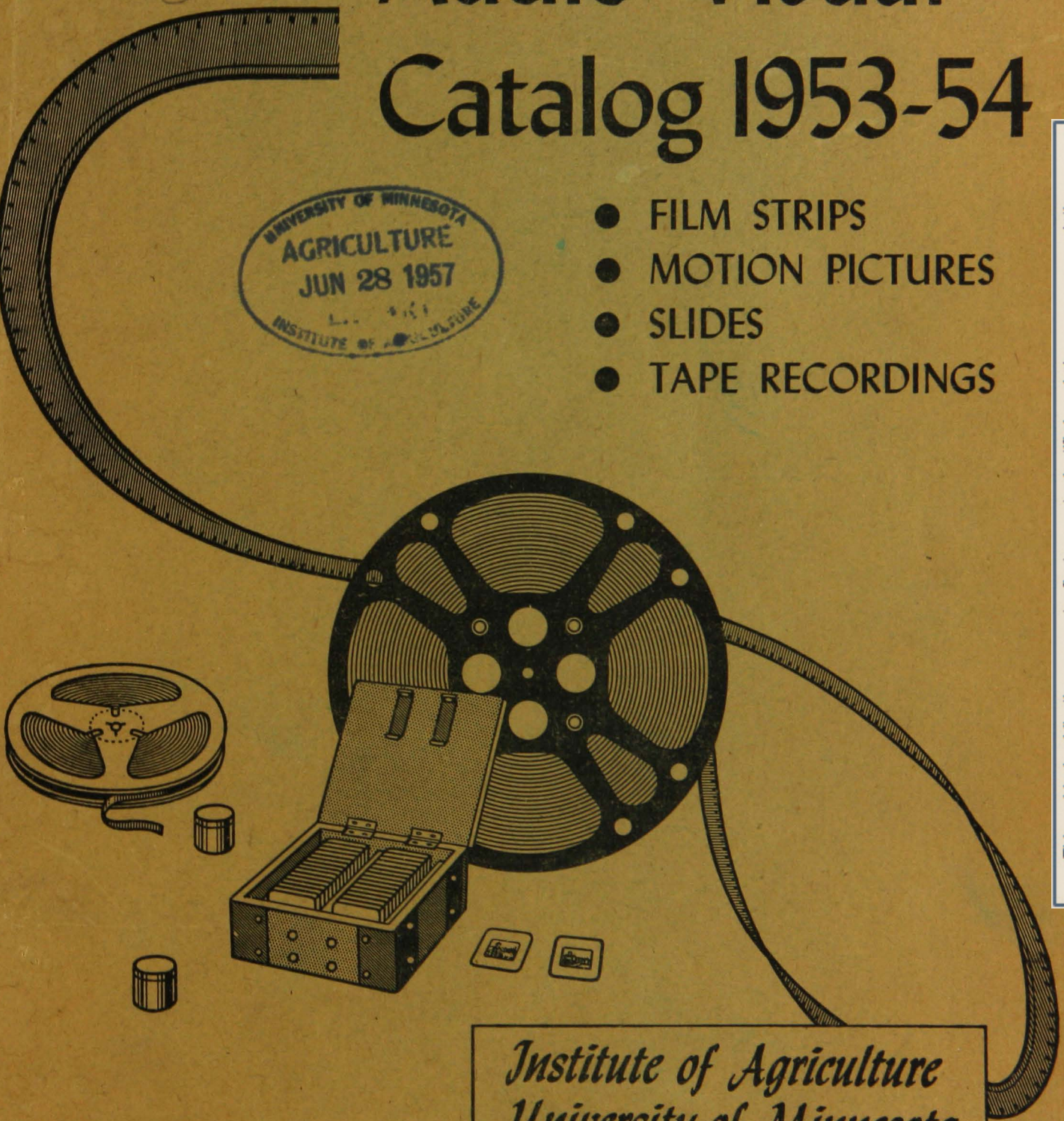
July  
1953  
④

*Agricultural Extension Service*

# Audio-Visual Catalog 1953-54



- FILM STRIPS
- MOTION PICTURES
- SLIDES
- TAPE RECORDINGS



*Institute of Agriculture  
University of Minnesota  
St. Paul 1, Minnesota*

This archival publication may not reflect current scientific knowledge or recommendations.  
Current information available from University of Minnesota Extension: <http://www.extension.umn.edu>.





AGRICULTURAL EXTENSION SERVICE  
UNIVERSITY OF MINNESOTA -- U. S. DEPARTMENT OF AGRICULTURE  
INSTITUTE OF AGRICULTURE ST. PAUL 1 MINNESOTA

HOW THE AGRICULTURAL EXTENSION SERVICE FILM LIBRARY OPERATES

The University of Minnesota Agricultural Extension Service Library was started shortly after the close of World War II. At that time its use was restricted entirely to staff members of the Agricultural Extension Service including both state workers and county extension agents. There are now over 200 different titles in the library. The movies have now been made available to vocational agriculture teachers and certain other groups.

In this catalog we list 16 mm sound movies and slide sets plus a few tape recordings. To simplify the explanation of our operating rules, the following questions and answers have been prepared:

From Whom Do We Order Films Listed in the Catalog?

Address your orders to: Extension Specialist in Visual Education, Agricultural Extension Service, Institute of Agriculture, Univ. of Minn., St. Paul 1, Minn. Please note the St. Paul address. Slide set orders are addressed separately to a different place on the St. Paul Campus. (See slide set section).

What are the Service Charges?

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

For Other U. S. Department of Agriculture employees, there is no charge for USDA films except outgoing postage. 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 USDA deposit films and other deposit films this charge is \$1.00. Remember our library has to purchase many USDA and commercial films. For these and all other films our library purchases there is a graduated charge depending on the size and the original cost of the film.

What About Postage?

Extension workers are requested to enclose outgoing postage for films in the special envelope provided for that purpose.

Extension workers may use the frank on films that contain no advertising or mention of a commercial company or association and that weigh less than four pounds. Movies over four pounds cannot be franked.

When 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.

Are There Other Sources?

Yes, there are several. You are urged to make use of them whenever possible. Many of these sources are listed in this catalog. Please remember to place your order directly with these sources and not through us.

PLEASE NOTE

The Agricultural Extension Service retains the right to cancel film orders in emergencies. You will be notified if this must be done.

AND FINALLY, PLEASE . . .

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

TABLE OF CONTENTS

AGRICULTURAL ENGINEERING AND ELECTRIFICATION

<u>Page</u>	<u>Movies</u>
1	ABC of Hand Tools
1	Arch Against the Sky
1	At Your Command
1	Concrete on the Farm
1	Friction Fighters
1	Let's Make Concrete
1	Live Power Harvest
1	Mr. Farmer Builds a Septic Tank
1	Power and the Land
1	Reconditioning a Grain Drill
2	Reconditioning a Mower
2	Reconditioning a Two Bottom Tractor Plow
2	Repainting a Frame Building
2	Ropp Farm Story
2	Servant of Mankind
2	War on Wear
2	Welding Comes to the Farm

Slides

39	Adjustment and Repair of Farm Machinery
39	See in a New Light
39	Using Electric Motors Productively on the Farm

Filmstrips - Engineering

U. S. 140 - Farm Dairy
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
The Combine
Farm Tractor
Corn Picker
Repair and Adjustment of Mower
* Repainting a Frame Building

Filmstrips - Electrification

* - Electricity	* - Equipment & Fundamentals of Welding
7 - Wiring Wisdom	* - Learning to Run a Bead
8 - Farm Lighting	* - How to Make Welds in all Positions

\* No Syllabus Available

AGRONOMY, FIELD CROPS, AND FERTILIZERS

<u>Page</u>	<u>Movies</u>
2	Food, Fiber and Future
2	Corn
2	First in the Hearts of Farmers
3	Cash in Corn
3	Hay and Pasture Days in Minnesota
3	Hay Is What You Make It
3	Hunger Signs
3	Life of Plants
3	Lost Harvest
3	Minnesota Certified Seed
4	One Equals Four
4	So Shall Ye Reap
4	Soybeans, the Feature Story

Slides

39	Certification of Field Crop Seeds in Minnesota
39	Methods of Making Hay (Not Baling)
39	Methods of Making Hay (Field Baling)
39	Minneapolis Grain Exchange
39	State Seed Testing Laboratory
39	The Fifth Plate

Filmstrips

U. S. 159	- Plant Propagation
227	- Cultivating the Corn Crop
	Hunger Signs in Corn

ANIMAL HUSBANDRY

General

<u>Page</u>	<u>Movies</u>
4	By-Products of the Meat Packing Industry ✓
4	Do Unto Animals
4	Feeding Farm Animals
4	In The Beginning
4	It Pays to Take It Easy
4	Livestock and Mankind
5	Man-Made Miracle
5	Outbreak

Slides

40	Be Humane - It's Your Gain
40	Meat Losses in Shipping Livestock

Beef

Movies

5	Modern Beef Cattle
---	--------------------

ANIMAL HUSBANDRY

Beef (continued)

Slides

- 40 Choosing Veals for Better Meals
- 40 Feeder Cattle Grades
- 40 Grooming and Showing Beef Cattle
- 40 Pasture Feeding of Beef Cattle

Filmstrips

U. S. 146 - Preparing Beef Cattle for Show

Dairy

Page

Movies

- 5 All the Things We've Wanted
- 5 Artificial Insemination of Cattle
- 5 Battling Brucellosis
- 5 Cow and I
- 6 Cowmanship
- 6 Inside Story of Modern Milking
- 6 John Martin and Son
- 6 Milk Parade
- 6 More Milk
- 6 More Profit Per Acre
- 6 No Hand Stripping
- 6 Power of Pennies
- 6 Quality Milk Production
- 7 Safeguarding Milk for Millions
- 7 Science of Milk Production
- 7 Triple Threat of Brucellosis

Slides

- 40 Artificial Breeding of Dairy Cattle
- 40 Brucellosis Control
- 40 Controlling Mastitis
- 40 Grooming and Showing Dairy Cattle
- 41 Producing Quality Milk

Filmstrips

- U. S. 278 - The Herediscope
  - 623 - Feeding and Care of Dairy Cattle
  - 632\*- Brucellosis of Cattle (Bang's Disease)
  - 637 - Cattle Grubs ✓
- Minn. 9\*- Phosphorus Deficiency in Cattle Rations
- Ill. 1\*- Correct Milking Methods
- 1287 - Artificial Breeding of Dairy Cattle in Vermont

Hogs

Movies

- 7 Curing Pork Country Style
- 7 Hogs for Profit
- 7 Pork on the Farm
- 7 Three More Little Pigs Go to Market  
(c)

ANIMAL HUSBANDRY

Hogs (continued)

Slides

- 41 The Little Woman is Changing the Hog Market  
41 Systems of Raising Hogs ✓

Filmstrips

- U. S. 44 - Breeds of Swine  
53 - Hog Houses and Equipment  
243 - Curing Pork on the Farm  
298 - Dressing and Cutting Pork  
Swine Management  
Hog Health Makes Wealth

Horses

Filmstrips

- U. S. 43 - Breeds of Horses  
132 - Judging Draft Horses  
162 - Care of Horses' Feet

Poultry

Page

Movies

- 7 Better Poultry and Poultry Products for You  
8 Chicken of Tomorrow  
8 Cull For Profit  
8 Hen Makes An Egg  
8 More Money for Your Eggs  
8 Steps Take Time in Gathering, Cleaning, and Packing Eggs  
8 Steps Take Time in Watering the Hens  
8 Today's Chicks

Slides

- 41 Let's Keep a Good Egg Good  
41 Marketing Quality Poultry  
41 Turkey Management

Filmstrips

- U. S. 133 - Standard Breeds of Poultry  
239 - Care of the Laying Flock  
461 - Production and Marketing of Quality Eggs  
Minn.1068\*- Chick Sanitation

Sheep

Movies

- 8 Cooperative Wool - From Fleece to Fabric  
9 Save More Lambs  
9 Sheep Shearing  
9 Story of Phenothiazine  
9 Western Sheep

ANIMAL HUSBANDRY

Sheep (continued)

<u>Page</u>	<u>Slides</u>
41	Grooming and Showing Sheep
41	Harvesting Wool
41	Marketing Wool Effectively
41	Sheep Production
41	Slaughter Lamb Grades
42	Tips on Sheep Shearing

Filmstrips

U. S. 141	- Breeds of Sheep
296	- Parasites of Sheep
	Fitting and Showing Sheep
*-	Sheep Shearing

CONSERVATION AND SOILS

<u>Page</u>	<u>Movies</u>
9	Arteries of Life
9	Birth of the Soil
9	Clouds
9	Flood Weather
9	For Years to Come
10	Grass Roots in the Soil
10	Greener Pastures
10	Heritage We Guard
10	In Common Cause
10	Keep Your Eye on the Soil
10	Know Your Land
10	Level Farming
10	Life Blood of the Land
10	My Country
11	Our Soil Resources
11	Rain Drops and Soil Erosion
11	Realm of the Wild
11	River
11	Save the Soil
11	Snow Harvest
11	Soil Conservation with Regular Farm Equipment
11	Soil Structure - The Key to Productivity
11	Strips and Curves
11	Terracing with a Moldboard Plow
12	This is our Land
12	This Vital Earth
12	Trees to Tame the Wind
12	Wetlands
12	What is Soil
12	Yours Is the Land

Slides

42	Erosion Control
42	Pasture Fertilization and Renovation
42	Pasture Crops
42	Rotation and Supplementary Pastures



CONSERVATION AND SOILS - slides (continued)

<u>Page</u>	<u>Slides</u>
42	Pasture Management
42	Soil Fertility and Conservation
43	Soil Testing In Minnesota

Filmstrips

U. S. 456*-	Wind Erosion
463 -	Soil Erosion and Its Control
476 -	Keeping Minnesota Soil At Home
639*-	Contoured Acres Fight
668 -	Wild Fruits for Soil Conservation
670 -	Wild Life and Soil Conservation
672 -	Raindrops and Erosion

Tape

91 -	Soil Testing in Minnesota
------	---------------------------

ECONOMICS AND MARKETING

<u>Page</u>	<u>Movies</u>
12	Fruits, Vegetables, and Cooperation
12	Home Management: Buying Food
13	Letter from America
13	Productivity - the Key to Plenty
13	Round Trip
13	Selection of Fruits and Vegetables
13	What Is a Farm Worth

Slides

43	Agricultural Outlook Charts
43	Cooperative Livestock Associations
43	Vegetables and the Consumer

Filmstrips

U. S. 275 -	Preparation of Wool for Market
Minn. 10 -	Marketing Minnesota Eggs

ENTOMOLOGY

<u>Page</u>	<u>Movies</u>
13	Alfalfa Weevil
13	Bees and Honey
14	Corn Borer (Iowa State)
14	European Corn Borer
14	Honey-makers
14	Kill 'Em with Gas
14	Menace of the Corn Belt
14	Mosquito - the Public Enemy

ENTOMOLOGY (continued)

Page

Movies

14 Roof Rats  
14 Spittlebug and Its Control  
14 Your Enemy Grasshopper

Slides

43 Beneficial Insects: Stored Grain Insects; Cattle Grubs  
43 The European Corn Borer  
43 The Common Insect  
43 Forest Tent Caterpillar, Biology and Control  
44 Pocket Gopher Control  
44 Grain Sanitation  
44 Reducing Losses from Grain Storage

Filmstrips

U. S. 172 - Handling Bees for Successful Beekeeping  
247 - The Japanese Beetle  
290 - The Chinch Bug and How to Fight It  
346 - First Lessons in Beekeeping  
357 - 4-H Club Work in Entomology (Under 4-H)  
360 - Grasshoppers and Their Control  
376 - Mosquitoes and Their Control  
404 - The Housefly and Its Control  
405 - Horse Bots and How to Fight Them (Under Horses)  
681 - The Housefly and Its Control

Tape

43 - European Corn Borer

FORESTRY

Page

Movies

15 Everyman's Empire  
15 Fire Weather  
15 Forest Conservation  
15 Forest Grows  
15 Forest Produces  
15 Forest Rangers  
15 From Trees to Paper  
15 Frying Pan and the Fire  
15 New Paul Bunyan  
16 Operation of a Forest Nursery  
16 Paul Bunyan Had a Son  
16 Smoke Jumpers  
16 Smokey The Bear  
16 Strength of the Hills  
16 Then It Happened  
16 Tree Grows for Christmas  
16 Tree of Life  
17 Trees are a Crop  
17 Trees for Tomorrow  
17 Trees To Tame The Wind  
17 White Pine Blister Rust (g)

FORESTRY (continued)

<u>Page</u>	<u>Slides</u>
44	Common Evergreen Trees of Minnesota
44	Common Broadleaf Trees of Minnesota
44	Farm Woodlot
44	Planning Farmstead Shelterbelts
44	Planting Farmstead Shelterbelts
44	Shelterbelt Care and Maintenance
44	Trees (Broadleaf) for Beauty and Shelter
45	Tree Planting
45	Woodlot Management
45	Woody Shrubs for Landscape and Protection Planting

Filmstrips

U. S. 341	- Stop Gullies, Save Your Farm
622	- The Farm and Farm Woods
Minn. 12	- Planting the Standard Windbreak Story of Forests

Tape

125	- Woody Shrubs for Landscape Protection Planting
-----	--

4-H AND RURAL YOUTH

<u>Page</u>	<u>Movies</u>
17	4-H Club Camp, Washington, D. C., 1950
17	County Fair
17	County Fair (#2)
18	Decision for Bill
18	Developing Leadership
18	Grass Roots Ambassadors
18	4-H Headlines
18	How Do You Do
18	It Pays to Take It Easy
18	Parliamentary Procedure in Action
18	Price of Freedom
18	Project for Tomorrow
19	Road Turns Right
19	Share the Fun Breakfast, 1950
19	Share the Fun Breakfast, 1951, II
19	Share the Fun Breakfast, 1952
19	Speech: Conducting a Meeting
19	1947 State Fair
19	State Junior Livestock Show of 1947
19	Tomorrow's Leaders

Slides

Activities

45	4-H Conservation Camp at Itasca Park
45	Rural Youth in Minnesota
45	The 4-H Story
45	4-H Club Week at Crookston and Morris

4-H AND RURAL YOUTH (continued)

Page

Slides

Booths

45 Building 4-H Club Booths  
46 1950 State Fair Booths

Demonstrations

46 Demonstration Pitfalls  
46 4-H Home Economics Demonstrations  
46 4-H Sheep Demonstration  
46 4-H Club Team Demonstrations

Judging

46 Judging Dairy Cattle  
46 4-H Sheep Judging  
46 4-H Swine Judging

Meetings and Personality

46 Club Members - Wanted or Unwanted  
46 4-H Songs on Slides  
47 Tips on 4-H Club Meetings  
47 What To Wear With What

Projects

47 4-H Dairy Calf Club Members At Work  
47 Dress Revue at 1948 Minnesota State Fair  
47 Standard 4-H Report Explanation  
47 4-H Forestry  
47 4-H Home Beautification  
47 Home Dressing of Poultry  
47 4-H Home Furnishings Project  
47 Preparing a Lamb for the Fair  
48 Preparing Vegetables and Fruits for the Fair

Filmstrips

U. S. 230 - National 4-H Club Camp  
277 - George Washington, the Farmer  
613 - 4-H Club Songs  
617 - 4-H Club Songs  
618 - 4-H Club Songs  
653\*- Life of Thomas Jefferson  
665\*- Is Farming For Me  
673 - America - (the song) - illustrated  
What Puts a 4-H Girl In

Tape

89 - What to Wear With What

## HOME ECONOMICS

### Clothing

<u>Page</u>	<u>Movies</u>
19	Facts About Fabrics
19	King's Other Life
20	Sewing Fundamentals
20	Sewing - Handling Materials
20	Sewing - Slide Fasteners
20	Truly Yours
20	Waste Not - Want Not

### Foods and Nutrition

20	Chiquita Banana II
20	Community Canning
20	Cooking: Measuring
21	Cutting and Freezing Meat, Poultry, and Fish
21	Freezing Fruits and Vegetables
21	Home Cookery of Fish
21	Kids Must Eat
21	Meats with Approval
21	Principles of Baking
21	Principles of Cooking
21	Principles of Home Canning
22	Something You Didn't Eat
22	Weight Reduction Through Diet

### Slides

48	Freezing Fruits and Vegetables
48	Production and Use of Dried Milk

### Home Furnishing

#### Movies

22	Step Saving Kitchen
----	---------------------

#### Slides

48	Building Kitchen Cupboards
48	Home Freezer Cabinets
48	Home Demonstration Work in McLeod County
48	Interiors of Farm Homes
48	A Step Saving Kitchen
49	Upholstering Furniture

#### Filmstrips

U. S. 104	- Farm Water Supply
289	- Children's Clothing
314	- Cooking Meat According to the Cut
315	- Consider the Children in the Home
347	- Selecting Foods for Good Nutrition
509	- Guides to Buying Towels and Sheets
561*	- Cooking Poultry (1940)

## HOME ECONOMICS

### Home Furnishing

<u>Page</u>	<u>Filmstrips</u>
	591 - Slip Covers - Upholstered Chairs
	592 - Slip Covers - Straight Chairs
	638 - Finding Minutes
	643 - Step by Step in Everyday Tasks
	655 - The County Home Demonstration Agent
	658 - Canning Chicken
	659 - Canning Meat
	660 - Canning Fruits and Tomatoes
	661 - Canning Vegetables
	669 - American Farm Home Life
	How to Cook Eggs
	How to Cook Turkey
	How to Cook Chicken
	There's a Better Way
	How She Does It
	The Family Wash

## HORTICULTURE

<u>Page</u>	<u>Movies</u>
22	Breeding Better Food Crops
22	From Good Earth to Good Tables
22	Garden for Abundance
22	Grow Your Own

### Slides

49	Farm Yard Improvement
49	Garden Flowers
49	Home Fruit Plantings - Southern Minnesota
49	Home Fruit Plantings - Northern Minnesota
49	The Home Vegetable Garden
49	Home Vegetable Storage
49	House Plant Culture
49	Kinds of House Plants
49	Successful Raspberry Growing

### Filmstrips

U. S. 381	- Annual Flowering Plants
641	- The New Gardener
656	- Home Grown Plants
657	- A Back Yard Vegetable Garden

## MISCELLANEOUS

<u>Page</u>	<u>Movies</u>
22	A Compass for Agriculture
23	Better Use of Leisure Time
23	Big Harvest
23	Farm Inconveniences



## MISCELLANEOUS (continued)

<u>Page</u>	<u>Movies</u>
23	Hannibal Victory
23	Helpful Henry
23	Horizons Unlimited
23	Magic in Agriculture
23	Man on the Land
23	Minnesota Profile
24	New Horizons
24	Pageant of Progress
24	Power Behind the Nation
24	Rabies Can be Controlled
24	Shrine of American Patriotism
24	That Inspiring Task
24	Waves of Green
24	Yes, Bananas

### Slides

50	County Booths (Open Class) at 1948 Minnesota State Fair
50	Farmstead Arrangement
50	Partners Talk It Over
50	What Is a Farm Management Service
50	Wills
50	1950 State Fair Booths - Kansas State

### Filmstrips

U. S. 156	- Analyze Your Business
	Behind the Scenes of a Coast-to-Coast Flight
179	- Lime and Limestone
619*	- Neighborhood Leaders Mobilize
630	- Labor Efficiency on the Farm
636*	- Any Bonds Today?
642	- Prevent Farm Fires
650*	- Vivid Visualization: The Mechanics of Slide Film Projection
651*	- Teaching with Slide Films
665	- Do You Know? - A Picture Quiz on Farm Safety
	Midwest Agricultural Committee on Tour
675	- Birds - Their Value to Agriculture
682	- Production of Maple Syrup
Spec.	- Protect the Farmers' Dollar Now
	Minneapolis Grain Exchange
	Rural Family Living

## PLANT DISEASES

<u>Page</u>	<u>Movies</u>
-------------	---------------

25	Stem Rust
----	-----------

### Slides

50	Stem Rust of Wheat
----	--------------------

PLANT DISEASES (continued)

Filmstrips

- U. S. 165 - The Nature of Plant Diseases
- 181 - Cabbage Diseases
- 204 - Control of Smut
- 265 - Increasing Wheat Profits by Preventing Smut
- 343 - Reduce Losses from Corn Diseases
- 344 - Raspberry Diseases and Their Control
- 409 - Potato Diseases
- Minn. 3 - Potato Seed Treatment

SAFETY

Page

Movies

- 25 And Then There Were Four
- 25 Bicycling With Complete Safety
- 25 Case of Tommy Tucker
- 25 Closed Book
- 25 Farm Tractor Safety
- 25 Hands Off
- 25 Help Wanted
- 26 Kitchen Safety
- 26 Last Date
- 26 Miracle of Paradise Valley
- 26 Outlawing Farm Fires
- 26 Safety Begins at Home
- 26 Safety, our #1 Crop
- 26 You're Driving 90 Horses

Slides

- 50 Are You Inviting Corn Picker Accidents
- 50 Famous Last Words on Safety
- 50 Live Safely - Prevent Home Accidents
- 51 Safety in Tractor Care and Operation

WEEDS

Page

Movies

- 26 Farm Chemicals Do Pay Off
- 26 Killing Weeds with 2,4-D

Slides

- 51 The Flowering Stage of Common Weeds
- 51 Weed Control
- 51 Weed Killers
- 51 Weeds and 2,4-D

	<u>Rental</u> <u>Fee</u>
<u>AGRICULTURAL ENGINEERING AND ELECTRIFICATION - movies</u>	
A B C OF HAND TOOLS - 32 min. - color - General Motors A Walt Disney production which shows proper use and care of common hand tools. Tips on sharpening and reconditioning damaged or dulled tools. Good for any age group.	\$1.00
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.	1.00
AT YOUR COMMAND - 30 min. - black and white - Ethyl Corporation A film which shows how power can be used to advantage on the farm.	1.00
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 farm.	1.00
FRICITION FIGHTERS - 11 min. - black and white - The Texas Company The quality and importance of lubricating oils. Included are scenes showing testing of oils, friction, action of oil in an engine, and types of oiling systems as applied to farm tractors.	1.00
LET'S MAKE CONCRETE - 25 min. - color - Portland Cement Company Explains the correct way to mix concrete and some of the uses for it.	1.00
LIVE POWER HARVEST - 25 min. - color - Standard Oil Company 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
MR. FARMER BUILDS A SEPTIC TANK - 23 min. - color - sponsored 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.	1.00
POWER AND THE LAND - 40 min. - black and white - USDA Tells the story of a typical family-size farm before and after electrification. The actors are real farm people, members of an REA cooperative. It illustrates savings and benefits brought by electricity.	1.00
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 mechanism; how to repair disc furrow openers, drive chains, and the pawl assembly; and how to calibrate the seeding mechanism.	1.00

<u>AGRICULTURAL ENGINEERING AND ELECTRIFICATION</u> - movies (continued)		Rental Fee
RECONDITIONING A MOWER, PT. I: CUTTER BAR - 21 min. - black and white - U. S. Office of Education		\$1.00
Shows how to check, recondition and repair the cutter bar mechanism; replace and adjust knife clips and wearing plates; align the ledger plates; adjust the cutter bar to the proper lead; and adjust the sickle for register.		
RECONDITIONING A MOWER, PT. II: DRIVE SYSTEM - 21 min. - black and white - U. S. Office of Education		1.00
How to remove the wheel assembly of a mower, clean and lubricate the parts, and replace worn pawls and springs; replace worn parts of the drive shaft, remove worn drive shaft bearings, and install new bearings; remove, clean and inspect gear parts, replace worn parts and reassemble the gears; and how to lubricate the drive system.		
RECONDITIONING A TWO-BOTTOM TRACTOR PLOW - 25 min. - black and white - U. S. Office of Education		1.00
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.		
REPAINTING A FRAME BUILDING - 18 min. - black and white - U. S. Office of Education		1.00
Shows how to prepare the 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.		
THE ROPP FARM STORY - 18 min. - color - Asbestos Cement Products		1.00
How the farm buildings on one man's farm were made more attractive and also weatherproof by using asbestos shingles. Suggests several uses for these shingles and ways to put them on. Good for adult or senior high students.		
SERVANT OF MANKIND - 12 min. - black and white - sponsored		1.00
An educational picture telling how electricity was discovered. Ways in which the modern world uses electricity are shown. The film pays tribute to Edison. Suitable for 4-H or Rural Youth meetings.		
WAR ON WEAR - 33 min. - black and white - The Texas Company		1.00
Various outstanding agricultural engineers of the country give suggestions on the repair and servicing of many types of farm machinery.		
WELDING COMES TO THE FARM - 27 min. - black and white - Lincoln Electric		1.00
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.		

AGRONOMY, FIELD CROPS, AND FERTILIZERS - movies

CORN - 17 min. - Color - USDA		1.00
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.		

AGRONOMY, FIELD CROPS, AND FERTILIZERS - movies (continued)

Rental  
Fee

CASH IN CORN - 20 min. - color - Nat'l Fertilizer Assn. 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.	\$1.00
FIRST IN THE HEARTS OF FARMERS - 25 min. - black and white - Nat't Fertilizer Association A film on the use of fertilizers. Shows reasons for and methods of applying the common commercial fertilizers.	1.00
FOOD, FIBER, AND FUTURE - 20 min. - black and white - USDA The film is intended for television use to promote the campaign for bigger crop yields, to feed our allies all over the world. General techniques which would increase production are shown.	1.00
HAY AND PASTURE DAYS IN MINNESOTA - 23 min. - color - University of Minnesota This film was made at the 1948 hay and pasture days throughout the state. It tells the story of rejuvenating pastures and new ways of putting up hay. A large number of new farm machines are shown. Narration is by Paul Burson and M. L. Armour.	3.00
HAY IS WHAT YOU MAKE IT - 22 min. - kodachrome - USDA 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. Mr. Armour says it's O.K.	3.00
HUNGER SIGNS - 25 min. - color - sound - National Fertilizer Association 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.	1.00
THE LIFE OF PLANTS - 13 min. - black and white - USDA - 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 brings out important botanical details.	1.00
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
MINNESOTA CERTIFIED SEED - 23 min. - color - Minnesota Crop Improvement Assn. Shows how certified seed is produced in Minnesota and explains why it is to the advantage of farmers to plant certified seed. The pictures were all taken in Minnesota. Narration is by Larry Haeg.	1.00

AGRONOMY, FIELD CROPS, AND FERTILIZERS - movies (continued)

Rental  
Fee

- ONE EQUALS FOUR - 22 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.
- SO SHALL YE REAP - 35 min. - color - Flax Institute of U. S. 1.00  
This film was produced in 1947 and it does a good job of telling and showing how flax can be worked into the plan of any farm.
- SOYBEANS, THE FEATURE STORY - 22 min. - Soybean Institute 1.00  
Shows how soybeans fit into a farm management plan and suggests cultural practices.

ANIMAL HUSBANDRY - movies

General

- BY-PRODUCTS OF THE MEAT PACKING INDUSTRY - 11 min. - color - Swift and Co. 1.00  
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 make a bigger gain for the meat producers. A good film for use in any type audience.
- DO UNTO ANIMALS - 25 min. - black and white - USDA 1.00  
This picture tells in a very interesting way how to handle livestock as it is being shipped to market.
- FEEDING FARM ANIMALS - 20 min. - black and white - USDA 2.50  
A film designed to give basic facts on feeding and to 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.
- IN THE BEGINNING - 17 min. - black and white - USDA 2.25  
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.
- IT PAYS TO TAKE IT EASY - 14 min. - color - Allis-Chalmers 1.00  
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 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 - USDA 1.00  
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. Of interest to all farm groups.



ANIMAL HUSBANDRY - movies (continued)

Rental  
Fee

MAN-MADE MIRACLE - 35 min. - color - American Guernsey Cattle Club \$1.00  
According to George Chambers, field representative of AGCC, this film would be an excellent teaching aid in your meetings. It shows how the science of genetics has been used to improve all classes of livestock through the centuries.

OUTBREAK - 29 min. - color - USDA 4.25  
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.

Beef

MODERN BEEF CATTLE - 22 min. - color - American Aberdeen Angus Association 1.00  
A good film to use in teaching the fundamentals of judging beef cattle. It suggests 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 included.

Dairy

ALL THE THINGS WE'VE WANTED - 29 min. - color - Kraft Foods Inc. 1.00  
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 film should be previewed before being used.

ARTIFICIAL INSEMINATION OF CATTLE - 30 min. - color - silent - University of Nebraska 1.00  
Presents a plan of organization for artificial insemination programs. Illustrates and describes the equipment needed and the method of collection and insemination. Points out the advantages and disadvantages of artificial insemination.

BATTLING BRUCELLOSIS - 20 min. - color - USDA 3.00  
A USDA film on the control of Bang's disease. This should be excellent in a county where a campaign is being put on.

THE COW AND I - 27 min. - color - Kraft Foods Inc. 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. It would be suitable for 4-H meetings. Preview the film before using it.

ANIMAL HUSBANDRY - movies

Dairy - (continued)

COWMANSHIP - 30 min. - color - British Oil and Cake Mills Ltd. The importance of feeding the dairy cow a balanced ration and the correct amount one cow should consume for good production is shown in this film. It has animated drawings showing the digestion of a cow. The comparison of a cow with an old fashioned threshing machine is made to point out intake and output of both. Very good for use of Ag students and older 4-H club members.	\$1.00
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. Petersen.	1.00
JOHN MARTIN AND SON - 22 min. - black and white - Kraft Foods 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, and is suitable for almost any kind of audience. We have four prints of this one in the library.	1.00
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.	1.00
MORE MILK - 9 min. - black and white - USDA Explains how good pastures, feeding and management, can increase the dairy farmer's profit. Shows how average cattle with good year round feeding can be made to produce more with less cost. Stresses good, all season pasture. Suitable for any meeting where dairy practices are discussed.	1.00
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.	1.00
NO HAND STRIPPING - 40 min. - color - Babson Bros. (Surge) Dr. Petersen's second film which deals with the techniques of milking.	1.00
POWER OF PENNIES - 28 min. - color - American Dairy Association 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.	1.00
QUALITY MILK PRODUCTION - 30 min. - black and white - Kraft Foods A film which shows how farmers can produce higher quality milk by better dairy practices. Sanitation and proper cooling of milk are stressed.	1.00

ANIMAL HUSBANDRY - movies

Rental  
Fee

Dairy (continued)

- SAFEGUARDING MILK FOR MILLIONS** - 30 min. - color - Portland Cement \$1.00  
Points out the importance of producing high quality milk and explains how concrete in and around the dairy barn can be of help. Paved lots, concrete floors, and various types of barn constructions are shown. Ways of making good concrete are mentioned.
- THE SCIENCE OF MILK PRODUCTION** - 30 min. - color - Ralston-Purina Company 1.00  
This is Dr. W. E. Petersen's first picture and deals with nutrition and milk secretion. Good for use in dairy field - especially agricultural classes.
- TRIPLE THREAT OF BRUCELLOSIS** - 30 min. - color - USDA 1951 1.00  
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.

Hogs

- CURING PORK COUNTRY STYLE** - 25 min. - color and black and white - USDA 1.00  
The title is descriptive of the story told in this film. It shows the various steps in several methods of home curing of pork.
- HOGS FOR PROFIT** - 25 min. - color - University of Minnesota and George A. Hormel 3.00  
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. This picture would be appropriate for any age group working on problems of swine raising.
- PORK ON THE FARM** - 25 min. - color and black and white - sound - USDA 1.00  
Illustrates butchering, cutting, storing and curing of pork. It tells briefly of hog raising on a small scale which would be better adapted to northern counties than in the corn belt.
- THREE MORE LITTLE PIGS GO TO MARKET** - 25 min. - color - Land O'Lakes 1.00  
Portland Cement Association made this picture to show how hogs can be raised on concrete.

Poultry

- BETTER POULTRY AND POULTRY PRODUCTS FOR YOU** - 16 min. - color - Land O'Lakes 1.00  
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.

ANIMAL HUSBANDRY - movies

Poultry (continued)

- THE CHICKEN OF TOMORROW - 23 min. - color - Texas Company (Petroleum) \$1.00  
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 1.00  
The three 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, for youth and adult groups.
- HEN MAKES AN EGG - 18 min. - color - Silent - Purina Mills 1.00  
Shows actual anatomical process of forming an egg. Uses actual reproductive tracts of hens with eggs in various steps of development. Brings in some management factors at the end. Would be more effective if sound were added. However, very usable in present form.
- MORE MONEY FOR YOUR EGGS - 23 min. - color - Purdue University 3.00  
Reasons for producing high quality eggs are explained and factors which contribute to high quality egg production shown. Typical small farm situations are used. An excellent film for use in poultry discussions.
- STEPS TAKE TIME IN GATHERING, CLEANING, AND PACKING EGGS - 27 min. - black and white - Cornell 1.00  
This is a silent picture made and used at the Farm and Home Labor Saving shows in 1947. It shows how mechanical devices can be used to cut down time in doing these chores. The picture is titled but has no sound.
- STEPS TAKE TIME IN WATERING THE HENS - 15 min. - black and white - silent - Cornell 1.00  
Made by Cornell University and used at the Labor Saving Shows. Explains how time can be saved by convenient watering equipment. Titled but no sound.
- TODAY'S CHICKS - 19 min. - color - USDA 3.00  
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.

Sheep

- COOPERATIVE WOOL - FROM FLEECE TO FABRIC - 31 min. - black and white - USDA 1.00  
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. Primarily for adult groups but is of interest to younger groups, too.

ANIMAL HUSBANDRY - movies

Sheep (continued)

- SAVE MORE LAMBS - 11 min. - black and white - USDA \$1.00  
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. The film is not too technical but good for use in starting a discussion.
- SHEEP SHEARING - 21 min. - black and white - U. S. Department of Agriculture 1.00  
How to handle sheep for shearing; the step-by-step procedure in shearing; and the method of rolling and tying the fleece.
- THE STORY OF PHENOTHIAZINE - 25 min. - color - DuPont 1.00  
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.
- WESTERN SHEEP - 22 min. - color - Union Pacific Railroad 3.00  
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. Could be used very well at 4-H meetings, and where sheep raising is discussed. Very little advertising.

CONSERVATION AND SOILS - movies

- ARTERIES OF LIFE - 10 minutes - color - Encyclopedia Britannica 1.75  
Points out the importance of water and forests in providing and regulating the flow of moisture in topsoil. Clearly explains the water cycle and the water table and describes nature's methods of distributing life-giving water. This film, like all others, should be previewed before it is shown to a group.
- BIRTH OF THE SOIL - 10 min. - color - Encyclopedia Britannica 1.75  
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.
- CLOUDS - 10 min. - black and white - U. S. Weather Bureau 1.00  
Gives information on weather forecasting by cloud formations. Explains the weather cycles and identifies cloud formations. Shows how anyone can predict weather a day in advance.
- FLOOD WEATHER - 30 min. - black and white - U. S. Weather Bureau 1.00  
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.
- FOR YEARS TO COME - 20 min. - kodachrome - USDA 3.00  
The use of Soil Conservation methods to increase the yield per acre up to 20% was not only possible, but 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.

CONSERVATION AND SOILS - movies (continued)

Rental  
Fee

- GRASS ROOTS IN THE SOIL - 20 min. - color - Iowa State 3.00  
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.
- GREENER PASTURES - 18 min. - color - sponsored by John Deere 1.00  
The 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.
- A HERITAGE WE GUARD - 30 min. - black and white - USDA 3.50  
A Metro-Goldwyn-Mayer production tracing the history of our wild life, 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.
- IN COMMON CAUSE - 25 min. - black and white - USDA 2.50  
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.
- KEEP YOUR EYE ON THE SOIL - 15 min. - color - sound - John Deere 1.00  
This film shows the reasons for using conservation practices. E. R. Duncan, soils specialist, recommends it for use in Minnesota. Duncan suggests, however, that you look at the last few feet of the film before showing it and decide if that part fits your community.
- KNOW YOUR LAND - 10 min. - color - USDA 1.00  
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. Of interest to farmers, businessmen, 4-H clubs and schools.
- LEVEL FARMING - 12 min. - color - J. I. Case 1.00  
This film explains reasons for farming on the contour and tells how farmers can save time and money by using this method.
- LIFE BLOOD OF THE LAND - 22 min. - color - USDA 1.00  
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. Suitable for any age or kind of group.
- MY COUNTRY - 28 min. - color - Goodyear 1.00  
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. The film is suitable for almost any age or type of audience.



<u>CONSERVATION AND SOILS - movies (continued)</u>	<u>Rental Fee</u>
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 United States. 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 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 discussion. Suitable for any group over 10 years old.	1.00
REALM OF THE WILD - 30 min. - color - USDA Shows how our national forests are the natural homes of America's animal and plant life. One of the best pictures on conservation. Both entertaining and educational. Released in 1945.	4.25
THE RIVER - 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
SAVE THE SOIL - 11 min. - black and white - USDA 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. O.K. for use in any type of audience.	1.00
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. Suitable for all audiences.	3.00
SOIL CONSERVATION WITH REGULAR FARM EQUIPMENT - 25 min. - color - John Deere A film showing how a plow and other common farm equipment can be used to make terraces and do other work necessary to save soil.	1.00
SOIL STRUCTURE - THE KEY TO PRODUCTIVITY - 18 min. - color - Monsanto Chemical Co. General film dealing with the use of "Kriliium" chemical soil conditioner. Shows relative run-off under different conditions. Shows behavior of different soils when treated with "Kriliium". Although commercially sponsored, this film shows how chemical soil conditioners work.	1.00
STRIPS AND CURVES - 23 min. - color - J. I. Case 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.	1.00
TERRACING WITH A MOLDBOARD PLOW - 10 min. - color - J. I. Case This film shows how to make a standard terrace by using an ordinary moldboard plow and following wood stakes for a guide.	1.00

CONSERVATION AND SOILS - movies (continued)

- THIS IS OUR LAND - 25 min. - black and white - Ethyl Corporation \$1.00  
A soil conservation picture showing the need for permanent care of our soil resources. This film is good for a mixed audience of any age.
- THIS VITAL EARTH - 10 min. - color - Encyclopedia Britannica 1.75  
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 non-productiveness of soil deficient in certain minerals.
- TREES TO TAME THE WIND - 12 min. - black and white - USDA 1.00  
This tells the story of the shelterbelt up through the great plains area and shows how it will be of benefit to the farms in that part of the country.
- WETLANDS - 12 min. - black and white - USDA 1.00  
Shows where 120 million acres of wetland are located and points out that 78 million of these acres will serve us best if left for the production of lumber and the preservation of wildlife. Principal types of water control and method of land drainage are briefly shown. Shows how farmers working together can improve land now being farmed and bring into production land that is now too wet for any production at all.
- WHAT IS SOIL - 10 min. - black and white - Films Incorporated (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. Especially good for 4-H groups.
- YOURS IS THE LAND - 25 min. - color - Encyclopedia Britannica 3.00  
We learn what happens to the basic needs of man after he began to make his way on 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. Good for any type audience.

ECONOMICS AND MARKETING - movies

- FRUITS, VEGETABLES, AND COOPERATION - 27 min. - black and white - USDA 1.00  
The story of cooperative marketing in the fruit and vegetable field. Most of the scenes in this picture were not taken in Minnesota, but the principles of cooperative marketing apply to any farm produce. Ralph Backstrom has recommended this film for meetings at which marketing is being discussed.
- HOME MANAGEMENT: BUYING FOOD - 10 min. - black and white - Young America 1.50  
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.

ECONOMICS AND MARKETING - movies (continued)

Rental  
Fee

LETTER FROM AMERICA - 30 min. - black and white - Goodyear \$1.00  
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. The film is best suited for older groups.

PRODUCTIVITY - THE KEY TO PLENTY - 23 min. - black and white - Encyclopedia Britannica 2.50  
Compares the productivity per worker in America from 1849 to 1949 with that of other countries. Explains how our productiveness enables us to produce higher quality goods more cheaply. Skuli Rutherford previewed the film and suggested its use for any group except children below the middle grades.

ROUND TRIP - 24 min. - black and white - sound - Twentieth Century Fund 2.50  
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. Dan Dvoracek used it in several discussion groups this season. Best for Rural Youth and adult groups.

SELECTION OF FRUITS AND VEGETABLES - 15 min. - color - USDA 1.00  
This is a demonstration film showing the three points for consumers to consider in buying fruits and vegetables. Need, quality, and price should determine what we buy. Using lettuce, carrots, celery, cabbage and citrus and other fruits as examples, the film illustrates points of good buymanship..

WHAT IS A FARM WORTH - 18 min. - color - Farm Credit Administration - USDA 1.00  
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. Of value to most adult farm groups even if they own their farms.

ENTOMOLOGY - 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 - not sponsored 4.25  
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 who finally got stung. This film is suitable for any audience.

ENTOMOLOGY - movies (continued)

CORN BORER (IOWA STATE) - 10 min. - color - Iowa State College	1.75
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 - color - 10 min. - 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.	
THE HONEYMAKERS - 22 min. - color - University of Minnesota	1.00
Story of the life of a bee is shown in this film just completed by the entomology division at University Farm. It is of interest to bee-keepers, high school ag classes and of general interest to the public.	
KILL 'EM WITH GAS - 15 min. - color - American Cyanamid Co.	1.00
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 use of the gas. Especially useful in any rat-control program.	
MEANANCE OF THE CORN BELT - 10 min. - black and white - John Deere	1.00
This film shows how the European corn borer operates and spreads. Effective control methods are illustrated. A. W. Buzicky, associate state entomologist, checked the film and recommended it. He suggested that showing of the film be followed by a discussion to bring out the most recent advancements in the corn borer program.	
MOSQUITO - THE PUBLIC ENEMY - 14 min. - black and white - USDA	1.00
Shows species of mosquitoes that cause malaria and yellow fever. Includes the development of larvae and pupae into full grown mosquitoes; breeding places, methods of control are shown. Suitable for most audiences.	
ROOF RATS - 15 min. - black and white - Castle Films	1.50
The habits of the roof and Norway rats are described in this film. Where they are found, what they eat, and etc. Good for use in stimulating discussion on rat control but nothing is mentioned in the film itself about control.	
THE SPITTLE BUG AND ITS CONTROL - 13 min. - color - Hercules Powder Co.	1.00
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.	
YOUR ENEMY GRASSHOPPER - 22 min. - color - USDA	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.	

<u>FORESTRY</u> - movies	<u>Rental Fee</u>
<b>EVERYMAN'S EMPIRE</b> - 22 min. - color - USDA 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. Suitable for any audience in any part of the state.	\$3.00
<b>FIRE WEATHER</b> - 20 min. - black and white - U. S. Weather Bureau This film shows the work of the Weather Bureau in supplying vital weather information to the Forest Service and other interested agencies during critical fire seasons. Of interest to 4-H club and younger groups.	1.00
<b>FOREST CONSERVATION</b> - 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.	1.75
<b>THE FOREST GROWS</b> - 11 min. - color - Encyclopedia Britannica The film portrays the dramatic story of the forest as a living, changing, everdeveloping 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. Good for any type of audience.	1.75
<b>THE FOREST PRODUCES</b> - 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 more important and valuable to the nation than 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.	1.75
<b>THE FOREST RANGER</b> - 32 min. - black and white - USDA Forest Rangers watch over the 161 National Forests that blanket one-tenth of the country's land area. Their daily duties affect the lives of hundreds of thousands of Americans. This film gives a composite picture of the Forest Ranger at work from Maine to California and from Washington to Florida. It reveals the ideals of public service that motivate him, and some of the benefits that Americans receive from his activities.	3.50
<b>FROM TREES TO PAPER</b> - 11 min. - black and white - American Forest Prod. Ind. 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. Good for use with any type of audience.	1.00
<b>THE FRYING PAN AND THE FIRE</b> - 23 min. - color - USDA The story of two campers whose trip in the woods was spoiled by a fire they carelessly started. Excellent for 4-H and other young people's groups.	3.00
<b>THE NEW PAUL BUNYAN</b> - 28 min. - color - Weyerhaeuser Lbr. 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. This film would be good in almost any kind of audience. It has appeal for everyone.	1.00

FORESTRY - movies (continued)

OPERATION OF A FOREST NURSERY - 11 min. - black and white - USDA	\$1.00
The nursery begins with the collection of seeds which are carefully treated and stored. Germination tests are made of collected seeds to determine their productivity. Selected seeds are sown in well-prepared beds and protected from excessive changes in temperature or other harmful factors by mulching until they germinate. Seedlings need constant care. In about two years they are ready for actual field planting. Detailed explanation of the varied, but important, jobs done in a large nursery.	
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.	
SMOKE JUMPERS - 10 min. - color - USDA	1.75
Shows how the 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. It will appeal to audiences of all classes and almost all ages.	
SMOKEY THE BEAR - 5 min. - black and white - USDA	1.00
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 in a group of boys up in a mountain camp. Could well be used to supplement another film.	
STRENGTH OF THE HILLS - 11 min. - black and white - USDA	1.50
Shots of game birds, shaded groves, fishing in the streams, state parks and forests. A sequence deals with the lumber industry and the countless uses of wood.	
THEN IT HAPPENED - 11 min. - color - USDA	1.75
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.	
A TREE GROWS FOR CHRISTMAS - 11 min. - color - USDA	1.00
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.	
THE TREE OF LIFE - 25 min. - black and white - USDA	2.50
A popular presentation of the "Why" and "How" of sustained yield forest practices. Emphasizes the need for permanently productive forests.	



	<u>Rental</u> <u>Fee</u>
<u>FORESTRY - movies (continued)</u>	
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 woodlots. Good for extension work in Minnesota. It was previewed by Parker Anderson and Marvin Smith, extension foresters.	3.00
TREES FOR TOMORROW - 24 min. - black and white - American Forest Products Institute 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. This film is suitable for almost any audience.	1.00
TREES TO TAME THE WIND - 12 min. - black and white - USDA This tells the story of the shelterbelt up through the great plains area and shows how it will be of benefit to the farms in that part of the country.	1.00
WHITE PINE BLISTER RUST - 20 min. - color - USDA The complete life cycle of the disease, how it enters and kills white pines, and the effective control measures now being used.	3.00
<u>4-H AND RURAL YOUTH - movies</u>	
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 time doing. A number of leisure time activities are suggested. Good for 4-H Clubs and Rural Youth.	1.50
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 Seekus, Detroit Lakes; and Anita Erickson, Goodhue, tell of their experiences while at the camp.	1.50
COUNTY FAIR - 18 min. - black and white - RKO This is a brief story of 4-H work from Dave and Mary Insley's first 4-H meeting through the showing of projects at the county fair. The picture shows what members can obtain from 4-H club work and how they apply these lessons to the home farm. Does not over-emphasize blue ribbon winning. This film is of interest to all groups; can be used to good advantage in starting new clubs or explaining club work to schools, commercial clubs, etc.	2.50
COUNTY FAIR (#2) - 25 min. - color - International Harvester Company 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.  We have another film in our library by the same name. This other film is not sponsored and is in black and white.	1.00

<u>4-H AND RURAL YOUTH - movies (continued)</u>	<u>Rental Fee</u>
DECISION FOR BILL - 25 min. - color - U. S. Department of Agriculture 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 advisor.	\$1.00
DEVELOPING LEADERSHIP - 11 min. - black and white - Coronet The 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. It is not intended for young 4-H club members.	1.50
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 Exchangees who visit the U. S. as well as those from U. S. visiting foreign lands. How they learn the habits, agriculture and customs are shown.	1.00
4-H HEADLINES - 28 min. - color - New Idea - Avco Manufacturing Corporation 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. Good for telling the 4-H club story to groups of all ages.	1.00
HOW DO YOU DO - 15 min. - black and white - Young America Designed to demonstrate the acceptable forms of social introduction. The film begins with a scene in which two young couples perform introductions badly. The action then turns to an evening at Frank Norton's home where Frank performs a variety of introductions correctly and easily. The film analyzes each of these situations and repeats it for thorough learning. Recommended for 4-H and Rural Youth groups.	2.00
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. Excellent for all meetings where the topic is being discussed.	2.25
THE PRICE OF FREEDOM - 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. Suitable for older 4-H and Rural Youth groups. Also O.K. for younger adult meetings.	1.00
PROJECT FOR TOMORROW - 20 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. It is of interest to any type or age group.	1.00

<u>4-H AND RURAL YOUTH</u> - movies (continued)	<u>Rental Fee</u>
THE ROAD TURNS RIGHT - 35 min. - black and white - Sears Roebuck 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 club members from all over the U. S. Good for any group.	1.00
SHARE THE FUN BREAKFAST, 1951, <u>II</u> - 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. Good for any group.	1.75
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. Good for any audience.	1.00
STATE JUNIOR LIVESTOCK SHOW OF 1947 - 12 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
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. Good for use in any type audience over 10 years of age.	1.00
 <u>HOME ECONOMICS</u> - movies	
<u>Clothing</u>	
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
THE KING'S OTHER LIFE - 30 min - color - Bemis Bag Company An educational story of the manufacture of printed cotton bags used for feed. A sponsored film. Good for almost any audience.	1.00

HOME ECONOMICS - movies

Clothing (continued)

SEWING FUNDAMENTALS - 10 min. - black and white - Young America	\$1.50
Presents and explains the fundamentals of sewing and the basic sewing tools. Technical Adviser: Thelma W. Freeark, Home Economist. Recommended for 4-H clubs.	
SEWING - HANDLING MATERIALS - 10 min. - black and white - Young America	1.50
Shows how to handle various types of materials, such as cottons, woolens, silk and synthetic fabrics, in preparation for sewing. Recommended for same groups as above film.	
SEWING - SLIDE FASTENERS - 10 min. - black and white - Young America	1.50
Shows how to set in slide fasteners. Explains concealed side openings of skirts and dresses, center-front or center-back of garment for design purposes. Technical Adviser: Thelma W. Freeark, Home Economist. Recommended for 4-H and Rural Youth.	
TRULY YOURS - 18 min. - color - USDA	2.60
This film shows 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.	
WASTE NOT - WANT NOT - 28 min. - color - National Waste Conf. Comm.	1.00
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. This film would be of interest to older 4-H club girls and adult women.	

Foods and Nutrition

CHIQUITA BANANA II - 11 min. - color - United Fruit Company	1.00
A good picture for suggested uses of bananas in meals from frying to decoration on pies and cake. A musical arrangement to the tune of Chiquita Banana radio programs is used throughout the film. Good for use in junior and adult home economics groups.	
COMMUNITY CANNING - 17 min. - black and white - U. S. Office of Education	1.00
How and when to pick vegetables; prepare them and the cans; how to label cans, use a pressure cooker or retort and how to cool, dry and store the cans.	
COOKING: MEASURING - 10 min. - black and white - Young America	1.50
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.	

HOME ECONOMICS - movies

Foods and Nutrition (continued)

CUTTING AND FREEZING MEAT, POULTRY, AND FISH - 30 min. - color - Cornell	\$4.25
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. The picture will interest any farm group.	
FREEZING FRUITS AND VEGETABLES - 20 min. - color - USDA	3.00
It is one of the best films ever put out in this field, according to specialists at University Farm. Shows the steps in preparing fruits and vegetables for storage by freezing.	
HOME COOKERY OF FISH - 10 min. - black and white - Encyclopedia Britannica	1.50
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 whitefish - 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.	
KIDS MUST EAT - 20 min. - black and white - USDA	2.50
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.	
MEATS WITH APPROVAL - 25 min. - black and white - USDA	1.00
This film tells the story of federal meat inspection. It is an excellent instructional film and could be used for groups of any age.	
PRINCIPLES OF BAKING - 10 min. - black and white - Encyclopedia Britannica	1.50
Explains the principles involved in the baking of yeast breads, quick breads, pastries and cakes. Describes the structure of flour and the structural changes that occur during the leavening process. Illustrates how baked products consisting of flour mixtures vary according to the ingredients involved, the kind and amount of leavening agent used, the manner of mixing employed, and the baking temperature.	
PRINCIPLES OF COOKING - 10 min. - black and white - Encyclopedia Britannica	1.50
Explains the fundamental principles involved in various methods of cooking meat and vegetables: boiling, frying, broiling, braising, roasting, steaming, and pressure cooking. Demonstrates each method and illustrates clearly the effect of the cooking process on the palatability and nutritive quality of foods. Clarifies, through easily understood animated drawings, the changes that take place in starches and meat when heat is applied.	
PRINCIPLES OF HOME CANNING - 10 min. - black and white - Encyclopedia Britannica	1.50
Explains why it is necessary to process foods in order to preserve and protect them from spoilage. Describes through cinemicrography such spoilage agents as the deadly <u>Clostridium botulinum</u> . Demonstrates the processing of goods of high-acid content in boiling water, and foods of low-acid content in a pressure cooker. Illustrates effectively the scientific principles involved in sterilization, timing, and hermetic sealing.	

HOME ECONOMICS - movies

Foods and Nutrition (continued)

- SOMETHING YOU DIDN'T EAT - 10 min. - color - USDA \$1.00  
 This is Walt Disney's comic picture illustrating the basic points of nutrition. It would be suitable for almost any type of audience.
- WEIGHT REDUCTION THROUGH DIET - 15½ min. - color - National Dairy Council 1.00  
 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.

Home Furnishing

- A STEP SAVING KITCHEN - 17 min. - color - USDA 2.60  
 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. Mary May Miller highly recommends the film for any audience, rural or urban, men or women.

HORTICULTURE - movies

- BREEDING BETTER FOOD CROPS - 24 min. - color - National Garden Bureau 1.00  
 Shows how garden seeds are produced and explains the extreme care that goes into crossing and raising seeds for the market. O.K. for any age group from 5th grade and up.
- FROM GOOD EARTH TO GOOD TABLES - 28 min. - color - Green Giant Company 1.00  
 The story of raising and canning Green Giant peas and corn. Shows seed breeding, planting, harvesting, and all steps through preparation of serving on the dinner table. O.K. for most extension uses. Any age group over 4th grade.
- GARDEN FOR ABUNDANCE - 15 min. - color - National Garden Bureau 2.60  
 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. Good for junior and adult groups. Suggested demonstration material is included.
- GROW YOUR OWN - 25 min. - black and white - USDA 1.00  
 A victory gardening film. The picture sets forth in light vein the essentials of good gardening.

MISCELLANEOUS - movies

- A COMPASS FOR AGRICULTURE - 20 min. - color - USDA 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. This film would be good for any group over 10 years old.

<u>MISCELLANEOUS</u> - movies (continued)	<u>Rental Fee</u>
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 time doing. A number of leisure time activities are suggested. Good for 4-H clubs and Rural Youth.	\$1.50
THE BIG HARVEST - 25 min. - black and white - sound - Twentieth Century Film Co. A picture of general interest on the development of agriculture. Shows how everyone has benefited from scientific research and cooperative activity. Suitable for any audience regardless of age. Would be good for service clubs and civic groups.	2.50
FARM INCONVENIENCES - 12 min. - black and white - International Harvester Co. A film showing how carelessness on the farm can cause accidents. A good comedy. Suitable for any audience.	1.50
HANNIBAL VICTORY - 60 min. - color - USDA This film tells the story of a large transport as it loads in a Pacific harbor, crosses the ocean, and unloads in the Philippines. The pictures were taken during the latter part of the war. It is entertaining and would be good for 4-H club meetings although it is rather long.	1.00
HELPFUL HENRY - 25 min. - black and white - International Harvester Company 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.	1.00
HORIZONS UNLIMITED - 23 min. - black and white - sponsored U. S. Highway Ass'n. A very interesting film on the romance and progress of travel and the development of our highways. 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 United States. This is an excellent general interest picture for all age groups. It contains no advertising.	1.00
MAGIC IN AGRICULTURE - 25 min. - black and white - sponsored A sponsored film showing how farm products are transformed by industry into various manufactured articles. Not new but still interesting especially for younger groups.	1.00
MAN ON THE LAND - 22 min. - color - Oil Industry Information An animated picture on the story of man from the Stone Age to the Machine Age showing how the habits, population, and the use of man's time were influenced by oil. Background music is a folk song telling how man made a nation. Any age group.	1.00
MINNESOTA PROFILE - 31 min. - black and white - University of Minnesota A documentary film explaining work of the University of Minnesota and its importance in the state. Four phases of work of the University are shown in detail. One of these is agricultural extension. This film can be recommended for any group with which you may be working.	1.00

MISCELLANEOUS - movies (continued)

	<u>Rental Fee</u>
NEW HORIZONS - 23 min. - black and white - Seaboard Railroad This picture gives a panoramic view of activities in the south-eastern states. Industry, agriculture, forestry and recreation and general scenery are shown. Would be O.K. for 4-H club groups or general meetings.	\$1.00
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.	1.00
POWER BEHIND THE NATION - 25 min. - color - U. S. Treasury Department This picture describes the greatness of the United States. It was made from a Hollywood production and is an excellent piece of work. The film is sponsored by the Treasury Department and is suitable for any audience you might have.	1.00
RABIES CAN BE CONTROLLED - 16 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. Good for any group.	1.00
SHRINE OF AMERICAN PATRIOTISM - 24 min. - black and white - B & O Railroad Story of historic places in Washington, D. C. Many famous landmarks are shown and described. Good for 4-H clubs. Practically no advertising.	1.00
THAT INSPIRING TASK - 30 min. - color - Sears, Roebuck Foundation The story of the aims and ideals of the Future Farmers of America, and what some typical members have accomplished.	1.00
WAVES OF GREEN - 40 min. - color - Dearborn Motors 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 Minnesota. 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. Of interest to all groups; excellent for telling the story of ag extension.	1.00
YES, BANANAS! - 11 min. - black and white - United Fruit Company Have you ever seen a banana tree? In this movie there are plenty of them and we learn how the banana grows, how it is harvested, packed, and shipped to all parts of the world. Good for general interest groups.	1.00



PLANT DISEASES - movies

STEM RUST - 20 min. - color - USDA - 1950 \$1.00  
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 ridding grain areas of barberry bushes which spread the disease.

SAFETY - movies

AND THEN THERE WERE FOUR - 2 reels - black and white - Socony Vacuum Co. 1.00  
A safety film designed to impress drivers with the importance of safe driving rules and principles. Care of 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. You should preview it before showing so you can point out key things to watch for.

BICYCLING WITH COMPLETE SAFETY - 10 min. - black and white - Bailey Films 1.50  
A boy on a bike is involved in an accident. The way in which he could have avoided the mishap is illustrated. Police are shown inspecting bicycles, demonstrating correct ways to ride and cautioning law breakers against continued infractions of the law.

CASE OF TOMMY TUCKER - 22 min. - black and white - sound - Chrysler Corporation 1.00  
A traffic safety film designed 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.

CLOSED BOOK - 30 min. - black and white - Ohio Farm Bureau Mutual Insurance Co. 1.00  
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.

FARM TRACTOR SAFETY - 22 min. - color - American Petroleum Institute 1.00  
Ways to prevent tractor accidents are shown. A model tractor built by University of Wisconsin is used to show causes of tractor tipping. Safety rules in the handling of a farm tractor are emphasized. This film is excellent for any audience where people are interested in tractors.

HANDS OFF - 30 min. - color - Iowa State College 4.25  
Some very good scenes of corn picker accidents. Consists of brief history of several corn picker accidents happening 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.

HELP WANTED - 32 min. - black and white - Johnson and Johnson 1.00  
A good film giving tips on first aid in many different accident situations. This is a good film for a general safety meeting or one where first aid is being stressed.

SAFETY - movies (continued)

KITCHEN SAFETY - 10 min. - black and white - sound - Young America \$1.50  
Illustrates the most common safety problems encountered in the kitchen, and shows how to avoid them.

THE LAST DATE - 20 min. - black and white - Lumberman's Mutual 1.00  
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. You never see her face - which she bemoans.

MIRACLE OF PARADISE VALLEY - 40 min. - black and white - sound - Sinclair Ref. Co. 1.00  
This film shows the need for safety practices and how community action can be organized to promote safety. Suitable for any audience.

OUTLAWING FARM FIRES - 20 min. - color - Farm Underwriters Association 3.00  
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. This film is suitable for any rural audience.

SAFETY BEGINS AT HOME - 10 min. - black and white - Young America 1.50  
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.

SAFETY, OUR #1 CROP - 22 min. - black and white - General Motors 1.00  
A film telling the story of the national 4-H safety contest. It includes suggestions for members working with 4-H safety.

YOU'RE DRIVING 90 HORSES - 26 min. - color - Bell Telephone System 1.00  
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 probable accident hazards and vehicles which have been in accidents. Can be used in any type of audience.

WEEDS - movies

FARM CHEMICALS DO PAY OFF - 28 min. - color - Peavy Company 1.00  
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.

KILLING WEEDS WITH 2,4-D - 20 min. - color - USDA 3.00  
This film gives the principles of using 2,4-D in weed control. It shows diagrammatically how the chemical kills broadleaf weeds. The picture is general but some specific recommendations are given. Good as a discussion opener or as an introduction to the topic. Best used for older groups and for meetings where 2,4-D is being discussed.

We are including in this catalog a list of sources of sponsored 16 mm films which are available to you. We do not have these films in our agricultural extension library. Order them directly from the companies listed. Will you please help keep us in good standing with these companies by returning their films promptly and reporting the kind of meeting and attendance for each film?

Purina Mills - Attention of F. B. Merrill

3831 Hiawatha Avenue, Minneapolis, Telephone DR 5481

Dr. Petersen's picture on milk secretion, also a good one on the production of eggs.

Babson Brothers Company - Attention of Bob Gage

740 Washington Avenue North, Minneapolis, Telephone LI 8437

"Sentinels of Milk," a film on producing clean milk, and other pictures on using milking machines.

State Conservation Department - Attention of Mr. Steiner

18 State Office Building, St. Paul, Telephone CE 3013

More than a dozen good silent films in color on the natural resources of Minnesota including wildlife, forestry, and recreation facilities. This includes one titled "Minnesota" in color.

A 400-foot reel of 16 mm silent color film, "Conservation Highlights," is also available from Mr. Van Lawrence of the State Conservation Service. This is the first of a series and it shows tree planting by machines, a spring grass fire, making maple syrup, deer, and Christmas tree operations.

Minnesota Society for Prevention of Cruelty - James Nankivell

State Capitol Building, St. Paul 1, Telephone CE 3013

"Animals in Service to Man" - a half hour colored sound movie which is excellent for any audience you may have.

International Harvester Company - H. A. Anstrand

2727 University Avenue Southeast, Minneapolis, Telephone NE 7301

Several pictures on better farming practices and a good short comedy, "My Model Farm".

General Mills, Incorporated

200 Chamber of Commerce Building, Minneapolis, Telephone AT 4836

Several films on preparing food.

Northern Pacific Railway - Attention of Harold Ryan

4th Street, St. Paul, Telephone CE 7773

Eight or ten reels, some in color, showing scenic wonder of country through which the N.P. runs. Includes Yellowstone Park and the Pacific Northwest.

Standard Brands, Incorporated - Attention of Elmer Hoelscher or J. M. Feist

2631 University Avenue, St. Paul, Telephone FI 3091

A black and white sound film telling the history of vitamins, "Modest Miracle".

Allis-Chalmers Manufacturing Company - Attention Ken Siebel

700 Third Street South, Minneapolis 15, Telephone MA 5338

Several sound films mostly in color on soil conservation methods and 4-H work. "Tomorrow's Leaders" is their 4-H film and it is a very good one. Two travelogues - "Alaskan Highway" and "Pan-American Highway".

Minnesota Department of Health  
University Campus, Minneapolis 14

A large number of films on public health problems. Write for catalog.

Minnesota Public Health Association  
11 West Summit Avenue, St. Paul 2

More than a dozen sound pictures on prevention of TB.

Farm Credit Administration Office

Local offices of National Farm Loan Associations and PCA's have available a limited number of agricultural films. You may contact the office in your community or write direct to Mr. A. Glen Peterson of the Federal Land Bank, 4th and Jackson Streets, St. Paul 4, Minnesota. They will be glad to send you a list of their pictures.

Minnesota Highway Department - Traffic and Safety Division  
1279 University Avenue, St. Paul 1

Numerous highway safety films are available from this department. A catalog of free films is available to anyone asking for it.

"Frozen Freshness," a 30-minute kodachrome sound picture, explains how to prepare and freeze foods for frozen storage. This one is available from Frigidaire Sales Corporation located at 2331 University Avenue, Minneapolis. Write in care of Mr. George W. Hoffman, Telephone MA 4261.

"Good Neighbors," another 16 mm sound film tells the story of printing a modern newspaper - Cedric Adams is the narrator. Send your requests to the Minneapolis Star and Tribune, 427 Sixth Avenue South, Minneapolis.

Folks working with 4-H or other rural groups will find a wealth of visual material available to help in their discussions of world peace. Most of the movies and filmstrips in this field can be obtained free of charge or for a nominal rental fee. Here are a few in which you might be interested.

Man, One Family Men of Africa Country Town A City Reborn	order from	British Information Service 360 North Michigan Avenue Chicago 1, Illinois
High Stakes in the East The Dutch Tradition	from	Films of the Nations, Incorporated 18 West 55th Street New York, New York
Peoples of the USSR Mary Visits Poland They Said It With Tulips	from	Ideal Pictures, Incorporated 301 West Lake Street Minneapolis 2, Minnesota
We Are All Brothers (filmstrip) Available from Dr. Gene Weltfish, Columbia University, New York, N. Y.		

We strongly urge that you write to the Audio-Visual Extension Service of the General Extension Division at 229 Northrop Auditorium, University of Minnesota, Minneapolis 14, and ask for their film catalog. These films are sent out on a rental basis only. The fee is modest and we are sure that you will get more than your money's worth.

Here are a few of the Minneapolis Campus general extension films which we do not have and which you might like:

The Land	Roots of Plants
Science and Agriculture	Seed Dispersal
Pig Projects Make Profits	Story of Pollen
The Plow That Broke the Plains	Hit and Run Driver
The Dodder	Choosing Your Vocation
Plant Growth	

It will be worthwhile for you to have catalogs from some of the Twin City commercial film libraries.

You might write to:

Elliott Film Company - 1110 Nicollet Avenue, Minneapolis  
Midwest Audio-Visual Company - 2216 Nicollet Avenue, Minneapolis  
Ideal Pictures, Incorporated - 301 West Lake Street, Minneapolis

You might also be interested in obtaining the following book:

"Educators Guide to Free Films"  
Educators Progress Service  
Randolph, Wisconsin

This book must be purchased. It lists all types of free films and has a large agriculture section.

For new movies as announced

INDEX - MOVIES

	<u>Page</u>
ABC of Hand Tools . . . . .	1
Alfalfa Weevil . . . . .	13
All the Things We've Wanted . . . . .	5
And Then There Were Four . . . . .	25
Arch Against the Sky . . . . .	1
Arteries of Life . . . . .	9
Artificial Insemination of Cattle . . . . .	5
At Your Command . . . . .	1
Battling Brucellosis . . . . .	5
Bees and Honey . . . . .	13
Better Poultry and Poultry Products for You . . . . .	7
Better Use of Leisure Time . . . . .	23
Bicycling With Complete Safety . . . . .	25
Big Harvest . . . . .	23
Birth of the Soil . . . . .	9
Breeding Better Food Crops . . . . .	22
By-Products of the Meat Packing Industry . . . . .	4
Case of Tommy Tucker . . . . .	25
Cash In Corn . . . . .	3
Chicken of Tomorrow . . . . .	8
Chiquita Banana II . . . . .	20
Closed Book . . . . .	25
Clouds . . . . .	9
4-H Club Camp, Washington, D. C., 1950 . . . . .	17
Compass for Agriculture, A . . . . .	22
Concrete on the Farm . . . . .	1
Cooking: Measuring . . . . .	20
Cooperative Wool - From Fleece to Fabric . . . . .	8

	<u>Page</u>
Corn . . . . .	2
Corn Borer (Iowa State) . . . . .	14
County Fair . . . . .	17
County Fair (#2) . . . . .	17
Cow and I . . . . .	5
Cowmanship . . . . .	6
Cull for Profit . . . . .	8
Curing Pork Country Style . . . . .	7
Cutting and Freezing Meat, Poultry, and Fish . . . . .	21
Developing Leadership . . . . .	18
Do Unto Animals . . . . .	4
European Corn Borer . . . . .	14
Everyman's Empire . . . . .	15
Facts About Fabrics . . . . .	19
Farm Chemicals Do Pay Off . . . . .	26
Farm Inconveniences . . . . .	23
Farm Tractor Safety . . . . .	25
Feeding Farm Animals . . . . .	4
Fire Weather . . . . .	15
First in the Hearts of Farmers . . . . .	3
Flood Weather . . . . .	9
Food, Fiber, and Future . . . . .	3
Forest Conservation . . . . .	15
Forest Grows . . . . .	15
Forest Produces . . . . .	15
Forest Ranger . . . . .	15
For Years to Come . . . . .	9
Freezing Fruits and Vegetables . . . . .	21
From Good Earth To Good Tables . . . . .	22



	<u>Page</u>
From Trees to Paper . . . . .	15
Fruits, Vegetables, and Cooperation . . . . .	12
Frying Pan and the Fire . . . . .	15
Garden for Abundance . . . . .	22
Grass Roots Ambassadors . . . . .	18
Grass Roots in the Soil . . . . .	10
Greener Pastures . . . . .	10
Grow Your Own . . . . .	22
Hands Off . . . . .	25
Hannibal Victory . . . . .	23
Hay and Pasture Days in Minnesota . . . . .	3
Hay Is What You Make It . . . . .	3
4-H Headlines . . . . .	18
Helpful Henry . . . . .	23
Help Wanted . . . . .	25
Hen Makes An Egg . . . . .	8
Heritage We Guard . . . . .	10
Hogs for Profit . . . . .	7
Home Cookery of Fish . . . . .	21
Home Management: Buying Food . . . . .	12
Honey-makers . . . . .	14
Horizons Unlimited . . . . .	23
How Do You Do . . . . .	18
Hunger Signs . . . . .	3
In Common Cause . . . . .	10
Inside Story of Modern Milking . . . . .	6
In the Beginning . . . . .	4
It Pays to Take It Easy . . . . .	4
John Martin and Son . . . . .	6

	<u>Page</u>
Keep Your Eye on the Soil . . . . .	10
Kids Must Eat . . . . .	21
Kill 'Em With Gas . . . . .	14
Killing Weeds with 2,4-D . . . . .	26
King's Other Life . . . . .	19
Kitchen Safety . . . . .	26
Know Your Land . . . . .	10
Last Date . . . . .	26
Let's Make Concrete . . . . .	1
Letter from America . . . . .	13
Level Farming . . . . .	10
Life Blood of the Land . . . . .	10
Life of Plants . . . . .	3
Live Power Harvest . . . . .	1
Livestock and Mankind . . . . .	4
Lost Harvest . . . . .	3
Magic in Agriculture . . . . .	23
Man-Made Miracle . . . . .	5
Man on the Land . . . . .	23
Meats with Approval . . . . .	21
Menace of the Corn Belt . . . . .	14
Milk Parade . . . . .	6
Minnesota Certified Seed . . . . .	3
Minnesota Profile . . . . .	23
Miracle of Paradise Valley . . . . .	26
Modern Beef Cattle . . . . .	5
More Milk . . . . .	6
More Money for Your Eggs . . . . .	8
More Profit Per Acre . . . . .	6

	<u>Page</u>
Mosquito - the Public Enemy . . . . .	14
Mr. Farmer Builds a Septic Tank . . . . .	1
My Country . . . . .	10
New Horizons . . . . .	24
New Paul Bunyan . . . . .	15
No Hand Stripping . . . . .	6
One Equals Four . . . . .	4
Operation of a Forest Nursery . . . . .	16
Our Soil Resources . . . . .	11
Outbreak . . . . .	5
Outlawing Farm Fires . . . . .	26
Pageant of Progress . . . . .	24
Parliamentary Procedure in Action . . . . .	18
Paul Bunyan Had a Son . . . . .	16
Pork on the Farm . . . . .	7
Power and the Land . . . . .	1
Power Behind the Nation . . . . .	24
Power of Pennies . . . . .	6
Price of Freedom . . . . .	18
Principles of Baking . . . . .	21
Principles of Cooking . . . . .	21
Principles of Home Canning . . . . .	21
Productivity - the Key to Plenty . . . . .	13
Project for Tomorrow . . . . .	18
Quality Milk Production . . . . .	6
Rabies Can be Controlled . . . . .	24
Rain Drops and Soil Erosion . . . . .	11
Realm of the Wild . . . . .	11
Reconditioning a Grain Drill . . . . .	1

	<u>Page</u>
Reconditioning a Mower . . . . .	2
Reconditioning a Two Bottom Tractor Plow . . . . .	2
Repainting a Frame Building . . . . .	2
River . . . . .	11
Road Turns Right . . . . .	19
Roof Rats . . . . .	14
Ropp Farm Story . . . . .	2
Round Trip . . . . .	13
Safeguarding Milk for Millions . . . . .	7
Safety Begins at Home . . . . .	26
Safety, our #1 Crop . . . . .	26
Save More Lambs . . . . .	9
Save the Soil . . . . .	11
Science of Milk Production . . . . .	7
Selection of Fruits and Vegetables . . . . .	13
Servant of Mankind . . . . .	2
Sewing Fundamentals . . . . .	20
Sewing - Handling Materials . . . . .	20
Sewing - Slide Fasteners . . . . .	20
Share the Fun Breakfast, 1950 . . . . .	19
Share the Fun Breakfast, 1951, II . . . . .	19
Share the Fun Breakfast, 1952 . . . . .	19
Shrine of American Patriotism . . . . .	24
Smoke Jumpers . . . . .	16
Smokey the Bear . . . . .	16
Snow Harvest . . . . .	11
So Shall Ye Reap . . . . .	4
Soil Conservation with Regular Farm Equipment . . . . .	11
Soil Structure - The Key to Productivity . . . . .	11

	<u>Page</u>
Something You Didn't Eat . . . . .	22
Soybeans, the Feature Story . . . . .	4
Speech: Conducting a Meeting . . . . .	19
Spittlebug and Its Control . . . . .	14
1947 State Fair . . . . .	19
State Junior Livestock Show of 1947 . . . . .	19
Stem Rust . . . . .	25
Step Saving Kitchen . . . . .	22
Steps Take Time in Gathering, Cleaning and Packing Eggs . . . . .	8
Steps Take Time in Watering the Hens . . . . .	8
Story of Phenothiazine . . . . .	9
Strength of the Hills . . . . .	16
Strips and Curves . . . . .	11
Terracing with a Moldboard Plow . . . . .	11
Then It Happened . . . . .	16
This is Our Land . . . . .	12
This Vital Earth . . . . .	12
Today's Chicks . . . . .	8
Tomorrow's Leaders . . . . .	19
Three More Little Pigs Go to Market . . . . .	7
Tree Grows for Christmas . . . . .	16
Tree of Life . . . . .	16
Trees are a Crop . . . . .	17
Trees for Tomorrow . . . . .	17
Trees to Tame the Wind . . . . .	17
Triple Threat of Brucellosis . . . . .	7
Truly Yours . . . . .	20
Waste Not - Want Not . . . . .	20
Waves of Green . . . . .	24

	<u>Page</u>
Welding Comes to the Farm . . . . .	2
Weight Reduction Through Diet . . . . .	22
Western Sheep . . . . .	9
Wetlands . . . . .	12
What is a Farm Worth . . . . .	13
What Is Soil . . . . .	12
White Pine Blister Rust . . . . .	17
Yes, Bananas . . . . .	24
Your Enemy Grasshopper . . . . .	14
You're Driving 90 Horses . . . . .	26
Yours Is the Land . . . . .	12

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:

Stenographic Room  
Agricultural Extension Service  
Institute of Agriculture  
St. Paul 1 Minnesota.

Most slide sets cover state-wide conditions, and yet fit many local situations. The addition of locally made slides to any of these sets will greatly increase their value. The state sets should be considered only 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. Send them back to Stenographic Room using the reverse side of address card.
2. Anticipate your needs and place the order at least two weeks before date needed. Be sure to specify dates slides are to be used in your county.
3. Order sets by number and title.
4. When ordering, specify a second and third choice in case your first choice is out.
5. Return syllabus with the slides.
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 \$1.00 PER SET WILL BE CHARGED TO OTHER THAN EXTENSION WORKERS.

AGRICULTURAL ENGINEERING AND ELECTRIFICATION - slides

30. ADJUSTMENT AND REPAIR OF FARM MACHINERY - 47 slides - black and white & color  
Repair and adjustment of specific parts of the most common farm machines, with special emphasis on the mower, binder, planter, and plow.
119. SEE IN A NEW LIGHT - 26 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 dishwashing, food preparation, and meal planning are shown. Other rooms such as the laundry, living room, bedroom and bathroom, and workshops are discussed. Good for use at adult women's meetings and at meetings for men interested in lighting.
31. USING ELECTRIC MOTORS PRODUCTIVELY ON THE FARM - 35 slides - black and white  
How to select and install electric motors, how to make them portable, and how to protect them from burning out. Productive uses of electric motors on the farm.

AGRONOMY, FIELD CROPS AND FERTILIZERS - slides

55. CERTIFICATION OF FIELD CROP SEEDS IN MINNESOTA - 42 slides - color - Ward Marshall and Ralph Crim  
Explains the steps in producing certified seed and points out advantages in using certified seed. Does not go into varieties of farm crops.
49. METHODS OF MAKING HAY (NOT BALING) - 46 slides - color and black and white - M. L. Armour  
These show various methods of putting up hay including field chopping. Cost of production tables are given also. The pictures include a few on artificial drying of hay and the equipment needed for this work.
50. METHODS OF MAKING HAY - Set II - (FIELD BALING) - 20 slides - color and black and white - M. L. Armour  
This set begins with the same five slides as number 49. From there on it shows the field baler and how it operates with charts to compare costs.
97. MINNEAPOLIS GRAIN EXCHANGE - 36 slides - color  
George Wilken of the Grain Exchange produced this set as a part of their public relations program. It describes the operation of the organization and gives information farmers should know.
20. STATE SEED TESTING LABORATORY - 12 slides - color  
A step-by-step story of process of testing and analysis of seed sent in by farmers.
130. THE 5TH PLATE - 23 slides - color  
This set is a story of land, people and food. It tells of the importance of raising more food, getting bigger crop yields, etc. Quite similar to the film, FOOD, FIBER, AND FUTURE.



ANIMAL HUSBANDRY - slide sets

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.
80. MEAT LOSSES IN SHIPPING LIVESTOCK - 48 slides - color - W. A. Peck  
The story of bruised meat. Prepared by National Livestock Loss Prevention Board. Shows bruised sections of carcasses caused by improper handling of livestock.

Beef

104. CHOOSING VEALS FOR BETTER MEALS - 6 slides - color - George Wisdom  
Are your veals marketed at good weights, high quality and condition? Are you producing for consumers? Do you know veal grades? Let these slides help you. No syllabus.
101. FEEDER CATTLE GRADES - 25 slides - color - George Wisdom  
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 - S. B. Cleland  
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 recent folder #169 "Pasture Feeding of Beef Cattle."

Dairy

98. ARTIFICIAL BREEDING OF DAIRY CATTLE - 38 slides - color and black and white - Ralph Wayne and Dr. Marshall Hervey  
This set was planned to help teach farmers who are using artificial insemination how to cooperate with their technician. It was not planned to train technicians. Some of the fundamentals as well as practical applications are explained. (not completed)
126. BRUCELLOSIS CONTROL - 6 slides - color and black and white - Ralph Wayne  
These slides are used mostly for meetings where brucellosis is being discussed for the purpose of getting signers of petitions for testing cattle. Many of the agents have this set in their office.
62. CONTROLLING MASTITIS - 40 slides - color - Ralph Wayne  
Includes pictures of diseased tissue, the circulatory system, poor housing conditions, and other pertinent factors in the control of mastitis.
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.

Dairy (continued)

46. PRODUCING QUALITY MILK - 57 slides - color - H. R. Searles and W. L. Slatter  
This is the same set that was sent to most of the agents during the summer of 1945. The story of producing quality milk is told through cartoons in color.

Hogs

100. THE LITTLE WOMAN IS CHANGING THE HOG MARKET - 60 slides - color and black and white - George Wisdom  
Guiding farmers in the production of quality pork is 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.
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 on concrete, the use of clean pasture and a combination of these plans. The pictures were taken in southern Minnesota.

Poultry

85. LET'S KEEP A GOOD EGG GOOD - 50 slides - color - Cora Cooke  
These were used in the dairy and poultry caravan to illustrate practices that will help farmers market higher quality eggs. The different egg grades are shown with factors that are responsible for their deterioration.
84. MARKETING QUALITY POULTRY - 30 slides - color - Cora Cooke  
This set was used in the Dairy and Poultry Caravan in 1949. It stresses the importance of quality in marketing poultry and shows ways to improve quality.
14. TURKEY MANAGEMENT - 44 slides - color  
Modern turkey management practices. Pictures taken in Aitkin county.

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 - more to be added - black and white and color - George Wisdom  
Series illustrates principles of sheep shearing, employing the Australian method. Slides on sorting, tying and sacking wool are to be added.
102. MARKETING WOOL EFFECTIVELY - 24 slides - color - George Wisdom  
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 - George Wisdom  
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.

ANIMAL HUSBANDRY - slide set

Sheep (continued)

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.

CONSERVATION AND SOIL - slides

32. EROSION CONTROL - 45 slides - color  
Series of slides showing methods of control being instituted in soil conservation districts. Most of the pictures taken in Winona, Fillmore, Scott and Houston counties.
144. LAND APPRECIATION SCHOOLS - 26 slides - black and white - Roger Harris  
This slide set is designed for use by two groups--professional agriculturists and club leaders and others who wish to brief contestants on what a land appreciation school is.  
The set is especially valuable to agents who have not put on a school. It starts with the beginning and carries right through to the completion of a school.
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 Minnesota 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.
34. PASTURE FERTILIZATION AND RENOVATION - 41 slides - color  
Various pasture problems together with the sequence of steps in the renovation and fertilization of permanent pastures.
35. PASTURE CROPS - 30 slides - color  
Pasture crops that can be used for permanent, rotation and supplementary pastures.
36. ROTATION AND SUPPLEMENTARY PASTURES - 24 slides - color  
Kinds of legumes and grasses that may be used in regular rotation for hay or pasture and those that may be used as emergency or supplementary pasture
37. PASTURE MANAGEMENT - 41 slides - color  
Various management problems together with results of good management practices.
39. SOIL FERTILITY AND CONSERVATION - 48 slides - color and black and white - Paul Burson  
Explains what is meant by fertility and shows how it can be maintained. Emphasis is placed on soil conservation practices.

CONSERVATION AND SOIL - slides (continued)

91. SOIL TESTING IN MINNESOTA - 56 slides - color and black and white - Harold Jones - Tape available  
These slides tell the story of the soil testing laboratory at University Farm, and include instructions on how to take a soil sample, what to do with it, etc. They emphasize the importance of keeping our soil in good condition.

ECONOMICS AND MARKETING - slides

105. AGRICULTURAL OUTLOOK CHARTS  
Agricultural outlook charts and supplementary scenes of good farm practices
109. COOPERATIVE LIVESTOCK ASSOCIATIONS - 39 slides - black and white - George Wisdom  
There is a good story in this set and it should help with livestock meetings.
150. FOOD FACTS AND FIGURES - 21 slides - color - U. S. Department of Agriculture  
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. Dorothy Simmons especially recommends it to agents who attended training sessions on "Who Gets the Consumer's Dollar."
25. VEGETABLES AND THE CONSUMER - 41 slides - color  
Acquaints consumer with things to look for when purchasing vegetables. Close-up views of vegetables, showing desirable and undesirable characteristics. Pictures taken at St. Paul market at height of marketing season.

ENTOMOLOGY - slides

41. BENEFICIAL INSECTS; STORED GRAIN INSECTS; CATTLE GRUBS - 21 slides - color - USDA - H. L. Parten  
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.
152. COMMON INSECTS - 12 color slides  
Some of the common destructive insects of this region. Could be very useful for identification purposes. Prepared by Hercules Powder Company. Syllabus written by H. L. Parten.
43. THE EUROPEAN CORN BORER - 14 slides - color - USDA - H. L. Parten - 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 Minnesota - 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.

ENTOMOLOGY - slides (continued)

151. GRAIN SANITATION - 22 slides - color

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 improvements. Recommended by Harold Pederson. Prepared by the Minneapolis Grain Exchange.

68. POCKET GOPHER CONTROL - 25 slides - color - H. L. Parten

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.

FORESTRY - slides

58. COMMON EVERGREEN TREES OF MINNESOTA - 24 slides - color - Raymond J. Wood

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 - Raymond J. Wood

Similar to set on evergreens except that it includes the broadleaf trees.

18. FARM WOODLOT - 10 slides - color

Trees planted on a farm northwest of Wheaton. Pictures illustrate what can be done with a little effort to develop a fine grove and windbreak.

74. PLANNING FARMSTEAD SHELTERBELTS - 30 slides - color - Raymond J. Wood

This set deals with the reasons for having a shelterbelt and makes suggestions for laying one out.

75. PLANTING FARMSTEAD SHELTERBELTS - 36 slides - color - Raymond J. Wood

These slides show the preparation of soil, the handling of seedlings and actual plantings. Suggestions are made for the renovation of old shelterbelts.

76. SHELTERBELT CARE AND MAINTENANCE - 37 slides - color - Raymond J. Wood

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 - Leon Snyder and Marvin Smith

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.

FORESTRY - slides (continued)

16. TREE PLANTING - 19 slides - color  
Planting of deciduous and coniferous trees. Size of trees to plant, preparing seedbed, methods of planting, spacing in the windbreak.
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 at the Cloquet Experiment Station.
125. WOODY SHRUBS FOR LANDSCAPE AND PROTECTION PLANTING - 41 slides - color - Tape available -  
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. Bulletins 196 and 267 could be used with this set.

4-H CLUB WORK AND RURAL YOUTH - slides

Activities

137. 4-H CLUB CONGRESS IN CHICAGO - 37 slides - colored  
This set was prepared by Norm Mindrum and has been used considerably around the state by those clubs which had representatives at the congress. Now it is in the state film library and available to all extension workers in the state.
10. 4-H CLUB CONSERVATION CAMP AT ITASCA PARK - 32 slides - color  
Activities at 1940 conservation camp. Interesting views of camp and camp life make this an enjoyable set of slides to show at 4-H club meetings.
90. THE 4-H STORY - 26 slides - color - Bernard Beadle  
Suitable for use at Service club or civic meetings. The slides were planned for use in groups that should be interested in 4-H work and might be interested in providing help.
67. 4-H WEEK AT MORRIS AND CROOKSTON - 43 slides - color  
Tells the story of typical 4-H week program and activities. Would help in promoting interest in this event.
111. RURAL YOUTH IN MINNESOTA - color - Robert Pinches and Kathleen Flom  
Shows the work of Rural Youth Groups in the state. Intended to create interest in this phase of Extension and to inspire young people to be better citizens of their communities.

Booths

63. BUILDING 4-H CLUB BOOTHS - 1947 State Fair - 34 slides - color  
A set showing good and bad points in the construction of club booths. Includes standards, score card and general suggestions.

4-H CLUB WORK AND RURAL YOUTH - slides

Booths (continued)

93. 1950 STATE FAIR 4-H CLUB BOOTHS - 35 slides - color  
About half of the 4-H booths at the fair are included with comments on how they might have been improved. These were planned to be used at 4-H meetings where booth planning is being done.

Demonstrations

114. 4-H DEMONSTRATION PITFALLS - 6 slides - black and white  
Hilda Taylor, Martin county home agent, designed a set of six large cartoons to help teach 4-H demonstration techniques. These cartoons have been photographed and are available to you in 2 x 2 slides. They suggest pitfalls against which 4-H members should guard.
1. 4-H HOME ECONOMICS DEMONSTRATIONS - 25 slides - color  
Bread Baking - 6 slides  
Cookie Baking - 6 slides  
Meal Planning - Preparing Filled Tomato Ring - 6 slides  
Dairy Consumption - Vegetable Cookery with Milk - 7 slides  
Desirable features of good 4-H demonstrations brought out: appearance of demonstrators, organization of supplies and equipment, effective opening and closing.
3. 4-H SHEEP DEMONSTRATION - 5 slides - color  
Demonstration of methods of parasite control.
2. 4-H CLUB TEAM DEMONSTRATIONS - 8 slides - color  
Tomato Canning - 4 slides, and Good Grooming - 4 slides  
Effective teamwork demonstrated.

Judging

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. This set should be one of the most helpful that we have prepared.
6. 4-H SHEEP JUDGING - 15 slides - black and white and color  
Sheep judging simplified for use of 4-H club members.
7. 4-H SWINE JUDGING - 13 slides - black and white and color  
Slides showing proper type in popular breeds of hogs. Judging terminology explained.

Meetings and Personality

107. CLUB MEMBERS -- WANTED OR UNWANTED - 18 slides - black and white  
Slides show both types of 4-H club members; those needed and those the club can do without.
64. 4-H SONGS ON SLIDES - 11 slides - color  
The common songs often used at 4-H meetings printed on color slides. The background in each helps tell the story of the song.

4-H CLUB WORK AND RURAL YOUTH - slides

Meetings and Personality (continued)

116. TIPS ON 4-H CLUB MEETINGS - 13 slides - black and white - 4-H Club Staff  
Do you have problems about Club meetings such as elections, time and place, conduct of members, and others? Use this slide set for a discussion meeting. It is done in cartoon style and usable by most any type of group of junior or adults.
89. WHAT TO WEAR WITH WHAT - 35 slides - color - Athelene Scheid - Tape available.  
This set was designed to help young men in selecting clothing best suited to them. Such factors as texture, color, fit are stressed. The slides were taken of young men in the School of Agriculture at University Farm.

Projects

4. 4-H DAIRY CALF CLUB MEMBERS AT WORK - 19 slides - color  
Points out features of desirable type in contrast to poor types as well as activities of club members preparing their calves for show.
81. DRESS REVUE AT 1948 MINNESOTA STATE FAIR - 38 slides - color - Athelene Scheid  
Shows the winning dresses from several counties. Front, back and side views included. Suggestions for improvement are in the syllabus.
115. EXPLANATIONS OF STANDARD 4-H REPORT - 8 slides - black and white  
Typical 4-H record forms, properly filled out, were photographed and made up in slide form. These could be used to advantage at any 4-H meeting when you are explaining how to keep 4-H records.
11. 4-H FORESTRY - 40 slides - color  
Planting trees to beautify the farm and to provide an effective windbreak.
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 this project.
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.
148. 4-H HOME FURNISHINGS PROJECT - color - Charlotte Kirchner and Gwen Bacheller  
This 26-slide set, shown at district training meetings, 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.
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.



4-H CLUB WORK AND RURAL YOUTH - slides

Projects (continued)

69. PREPARING VEGETABLES AND FRUIT FOR THE FAIR - 37 slides - color - L. C. Snyder and Ralph Backstrom.  
This set was prepared to help give instructions in getting fruit and vegetables ready for the fair. Dr. Hutchins, Eldred Hunt and other judges participated in writing the script.

HOME ECONOMICS - slides

Foods and Nutrition

153. FREEZING FRUITS AND VEGETABLES - 60 slides - color - USDA  
Step by step procedures for freezing fruits in sugar and in sirup using strawberries and peaches. Same procedure applies to other fruits. Second part shows broccoli and corn-on-the-cob. Grace Brill says it should be a very useful set.
96. PRODUCTION AND USE OF DRIED MILK - 52 slides - color and black and white - Ralph Wayne and Ina Rowe  
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.

Home Furnishings

42. BUILDING KITCHEN CUPBOARDS - 26 slides - color and black and white - Mary May Miller  
Suggestions for building and remodelling kitchen cupboards. Both new and made-over kitchens are shown. Some contemplated changes are shown in a third kitchen.
44. HOME FREEZER CABINETS - 6 slides - black and white - Andrew Hustrulid  
Diagrams and pictures of the freezer which was built here at University Farm. Another freezer used in Minneapolis is also shown with tables giving operating costs and tips for getting the most out of the freezers.
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.
92. INTERIORS OF FARM HOMES - 44 slides - color  
These were obtained from The Farm Journal at the request of the home furnishings specialist. They show several color schemes and room arrangements usable in farm homes.
82. A STEP SAVING KITCHEN - 29 slides - color - USDA Mary May Miller  
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.

HOME ECONOMICS - slides

Home Furnishings (continued)

123. UPHOLSTERING FURNITURE - 34 slides - color - C. Kirchner  
This slide set shows the steps in upholstering an easy chair. Close-ups of knots, fastenings, fixing springs, and methods of upholstering are given. This slide set follows closely the lessons which were given the past year to Home Agents and leaders. Extension Bulletin 262 - Reupholstering at Home - has the same information.

HORTICULTURE - slides

45. FARM YARD IMPROVEMENT - 49 slides - color and black and white - Leon Snyder  
This is about the same as the set which each agent has except that it has eleven more slides and is more complete. It shows how a house and yard may be improved by landscaping.
73. GARDEN FLOWERS - 36 slides - color - L. C. Snyder  
A description of common garden flowers of Minnesota. 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.
26. THE HOME VEGETABLE GARDEN - 36 slides - color  
Planting seeds in flats, use of cold frames, transplanting, care of garden. Recommended vegetables for the home garden.
27. HOME VEGETABLE STORAGE - 14 slides - black and white  
Slides show various root cellars, a field vegetable pit, and vegetable storage rooms in basement.
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, foliage plants, succulents, ferns and vines.
15. SUCCESSFUL RASPBERRY GROWING - 33 slides - color  
Planting, harvesting and prevention of injury to plants and berries.

MISCELLANEOUS - slide sets

83. COUNTY BOOTHS (OPEN CLASS) AT 1948 MINNESOTA STATE FAIR - 23 slides - black and white - A. Glenn Peterson  
A view of each of the booths entered in 1948. No syllabus.
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.
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.
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.
94. WILLS - 8 slides - black and white - Mary May Miller  
These were planned to illustrate the material in Extension Pamphlet 174, "Your Property and Your Heirs". The slides show in table form certain possibilities of property disposition. A number of true-false questions on the pamphlet are included.
120. 1950 STATE FAIR BOOTHS - KANSAS STATE - 21 slides - color  
This set is similar to Minnesota 4-H Booth set but gives a few different ideas.

PLANT DISEASE - slide sets

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.

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.
113. FAMOUS LAST WORDS ON SAFETY - 10 slides - black and white  
Traffic safety on the humoristic side. Statements made by automobile drivers which are used every day and safe driving rules which are broken incessantly.
127. LIVE SAFELY, PREVENT HOME ACCIDENTS - 19 slides - color - G. Prickett  
The set pictures many farm accidents such as falls, fires, burns, handling guns, etc. Good for use in 4-H and adult groups.

SAFETY - slides (continued)

121. SAFETY IN TRACTOR CARE AND OPERATION - 30 slides - black and white - International Harvester  
Glenn 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 and good for use in youth and adult meetings.

WEEDS - slides

51. THE FLOWERING STAGE OF COMMON WEEDS - 32 slides - color - A. H. Larson  
Thirty-two of Minnesota's weeds are pictured in their flowering stage. These are excellent reproductions, most of them close-ups. Mr. Larson has indicated a few methods of control in the syllabus.
24. WEED CONTROL - 34 slides - black and white and color  
Identification of various weeds and recommended control methods.
78. WEED KILLERS - 52 slides - color - A. H. Larson, L. M. Stahler, R. S. Dunham  
This set deals mostly with the methods of using and the effects of 2,4-D. It mentions the use of other weed killers briefly also.
65. WEEDS AND 2,4-D - 17 slides - color - R. S. Dunham and A. H. Larson  
A general series showing effect of 2,4-D on common weeds. Several methods of application are shown.

For New Slides as announced

INDEX - SLIDES

	<u>Page</u>
1. 4-H Home Economics Demonstrations . . . . .	46
2. 4-H Club Team Demonstrations . . . . .	46
3. 4-H Sheep Demonstration . . . . .	46
4. 4-H Dairy Calf Club Members at Work . . . . .	47
6. 4-H Sheep Judging . . . . .	46
7. 4-H Swine Judging . . . . .	46
10. 4-H Conservation Camp at Itasca Park . . . . .	45
11. 4-H Forestry . . . . .	47
14. Turkey Management . . . . .	41
15. Successful Raspberry Growing . . . . .	49
16. Tree Planting . . . . .	45
17. Woodlot Management . . . . .	45
18. Farm Woodlot . . . . .	44
20. State Seed Testing Laboratory . . . . .	39
22. Sheep Production . . . . .	41
24. Weed Control . . . . .	51
25. Vegetables and the Consumer . . . . .	43
26. The Home Vegetable Garden . . . . .	49
27. Home Vegetable Storage . . . . .	49
30. Adjustment and Repair of Farm Machinery . . . . .	39
31. Using Electric Motors Productively on the Farm . . . . .	39
32. Erosion Control . . . . .	42
34. Pasture Fertilization and Renovation . . . . .	42
35. Pasture Crops . . . . .	42
36. Rotation and Supplementary Pastures . . . . .	42
37. Pasture Management . . . . .	42
39. Soil Fertility and Conservation . . . . .	42

	<u>Page</u>
41. Beneficial Insects; Stored Grain Insects; Cattle Grubs . . . . .	43
42. Building Kitchen Cupboards . . . . .	48
43. The European Corn Borer . . . . .	43
44. Home Freezer Cabinets . . . . .	48
45. Farm Yard Improvement . . . . .	49
46. Producing Quality Milk . . . . .	41
49. Methods of Making Hay (Not Baling) . . . . .	39
50. Methods of Making Hay (Field Baling) . . . . .	39
51. The Flowering Stage of Common Weeds . . . . .	51
52. Preparing a Lamb for the Fair. . . . .	47
53. Home Fruit Plantings - Southern Minnesota . . . . .	49
54. Home Fruit Plantings - Northern Minnesota . . . . .	49
55. Certification of Field Crop Seeds in Minnesota . . . . .	39
57. Systems of Raising Hogs . . . . .	41
58. Common Evergreen Trees of Minnesota . . . . .	44
59. Common Broadleaf Trees of Minnesota . . . . .	44
61. Farmstead Arrangement . . . . .	50
62. Controlling Mastitis . . . . .	40
63. Building 4-H Club Booths . . . . .	45
64. 4-H Songs on Slides . . . . .	46
65. Weeds and 2,4-D . . . . .	51
66. Home Dressing of Poultry . . . . .	47
67. 4-H Week at Crookston and Morris . . . . .	45
68. Pocket Gopher Control . . . . .	44
69. Preparing Vegetables and Fruits for the Fair . . . . .	48
72. Kinds of House Plants . . . . .	49
73. Garden Flowers . . . . .	49
74. Planning Farmstead Shelterbelts . . . . .	44
75. Planting Farmstead Shelterbelts . . . . .	44

	<u>Page</u>
76. Shelterbelt Care and Maintenance . . . . .	44
77. House Plant Culture . . . . .	49
78. Weed Killers . . . . .	51
79. Home Demonstration Work in McLeod County . . . . .	48
80. Meat Losses in Shipping Livestock . . . . .	40
81. Dress Revue at 1948 Minnesota State Fair . . . . .	47
82. A Step Saving Kitchen . . . . .	48
83. County Booths (Open Class) at the 1948 Minnesota State Fair . . . . .	50
84. Marketing Quality Poultry . . . . .	41
85. Let's Keep a Good Egg Good . . . . .	41
86. Grooming and Showing Beef Cattle . . . . .	40
87. Grooming and Showing Sheep . . . . .	41
88. Grooming and Showing Dairy Cattle . . . . .	40
89. What To Wear With What . . . . .	47
90. The 4-H Story . . . . .	45
91. Soil Testing in Minnesota . . . . .	43
92. Interiors of Farm Homes . . . . .	48
93. 1950 State Fair Booths . . . . .	46
94. Wills . . . . .	50
96. Production and Use of Dried Milk . . . . .	48
97. Minneapolis Grain Exchange . . . . .	39
98. Artificial Breeding of Dairy Cattle . . . . .	40
99. Stem Rust of Wheat. . . . .	50
100. The Little Woman Is Changing the Hog Market . . . . .	41
101. Feeder Cattle Grades . . . . .	40
102. Marketing Wool Effectively . . . . .	41
103. Slaughter Lamb Grades . . . . .	41
104. Choosing Veals for Better Meals . . . . .	40
105. 1951 Agricultural Outlook Charts . . . . .	43



	<u>Page</u>
106. Harvesting Wool . . . . .	41
107. Club Members - Wanted or Unwanted . . . . .	46
108. Be Humane - It's Your Gain . . . . .	40
109. Cooperative Livestock Associations . . . . .	43
110. Tips on Sheep Shearing . . . . .	42
111. Rural Youth in Minnesota . . . . .	45
112. 4-H Home Beautification . . . . .	47
113. Famous Last Words on Safety . . . . .	50
114. Demonstration Pitfalls . . . . .	46
115. Standard 4-H Report Explanation . . . . .	47
116. Tips on 4-H Club Meetings . . . . .	46
117. Judging Dairy Cattle . . . . .	46
119. See in a New Light . . . . .	39
120. 1950 State Fair Booths - Kansas State . . . . .	50
121. Safety in Tractor Care and Operation . . . . .	51
122. What is a Farm Management Service . . . . .	50
123. Upholstering Furniture . . . . .	49
124. Are You Inviting Corn Picker Accidents . . . . .	50
125. Woody Shrubs for Landscape and Shelterbelt Plantings . . . . .	45
126. Brucellosis Control . . . . .	40
127. Live Safely - Prevent Home Accidents . . . . .	50
128. Trees (Broadleaf) for Beauty and Shelter . . . . .	44
129. Forest Tent Caterpillar, Biology and Control . . . . .	43
130. The Fifth Plate . . . . .	39
133. Pasture Feeding of Beef Cattle . . . . .	40
137. 4-H Club Congress . . . . .	45
141. Organic Matter in Good Soil Management . . . . .	42
142. Reducing Losses from Grain Storage . . . . .	44
144. Land Appreciation . . . . .	42

	<u>Page</u>
147. Partners Talk It Over . . . . .	50
148. 4-H Home Furnishing Project . . . . .	47
150. Food Facts and Figures . . . . .	43
151. Grain Sanitation . . . . .	44
152. Common Insects . . . . .	43
153. Freezing Fruits and Vegetables . . . . .	48

#### TAPES FOR RADIO, DISCUSSION, AND SLIDE SETS

Tapes for radio and discussion are available on request from Ray Wolf at University Farm.

Interviews on timely topics with University specialists are recorded almost daily and are saved as long as they are in season.

A series of tape recorded interviews on What's New In Farm Research is permanently available. The series is used on 20 radio stations but you might like to have some of them for fillers or for group discussions. Most of these programs run  $7\frac{1}{2}$  minutes and are recorded at  $7\frac{1}{2}$  inches per second. For a complete listing of the Farm Research series look at the topics listed for Fridays under University Farm Hour in the radio schedule which is sent to you quarterly.

4-H Chats (four to five minutes) with Ozzie Magnuson, are available each week for those who want timely 4-H helps. These tapes are now being used by 18 stations. If you want them, or a list of the topics to be covered, write to Ray Wolf.

A complete list of the two series is available on request. All correspondence regarding tapes for radio should be sent to Ray Wolf, Extension Specialist in Information, University Farm, St. Paul 1, Minnesota.

Tapes for use with slide sets are available with some slide sets from the Stenographic Department, Ag Extension, University Farm on request.

The sets which now have tape syllabuses are:

#43 - European Corn Borer

#89 - What to Wear With What  
(Ray Wolf)

#91 - Soil Testing in Minnesota  
(Harold Jones and Ray Wolf)

#125 - Woody Shrubs for Landscapes and Protection Planting  
(Marvin Smith and Leon Snyder)

For New Tapes as announced

UNIVERSITY OF MINNESOTA



3 1951 D02 589 275 G