

# THE VISITOR

Devoted to the Interests of Agricultural Education in Minnesota Schools

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## REFERENCE AND ILLUSTRATIVE MATERIAL FOR AGRICULTURE TEACHERS

Teachers of Agriculture frequently find commercial publications valuable as supplementary material for study by students in the agriculture classes. The following list was prepared by students in Agricultural Education. The materials available from each address that is included have been checked over and found to be worth adding to the reference library in the Agriculture Department.

Teachers and students will find these teaching aids more valuable if they are properly organized or cataloged in a manner similar to the plan used for station bulletins. Any teacher who has devised a good plan for filing and using the commercial teaching material will render a service to other teachers by describing the system used. The *Visitor* will provide space for any stories that are sent in. Send your suggestions soon so that others may profit by them during the present school year.

### Cattle

- A. Breeders' Associations. Free material includes true type pictures, literature, and score cards.
- The Holstein-Friesian Association of America, 448 W. Washington Avenue, Madison, Wisconsin.
  - Ayrshire Breeders' Association, Brandon, Vermont.
  - American Hereford Cattle Breeders' Association, Kansas City, Mo.
  - American Shorthorn Breeders' Association, Union Stock Yards, Chicago, Illinois.
  - The American Guernsey Cattle Club, Petersboro, New Hampshire.
  - American Aberdeen Angus Breeders' Association, Chicago, Illinois.
  - American Galloway Breeders' Association, Carrollton, Missouri.
  - American Jersey Cattle Club, New York City, New York.
  - Brown Swiss Cattle Breeders' Association, Beloit, Wisconsin.
  - Red Polled Cattle Club of America, Gotham, Wisconsin.
- B. Miscellaneous Cattle Bulletins.
- Dairy Association Co., Inc., Lyndonville, Vermont. Booklet of First Aid to Dairy Cattle.
  - O. M. Franklin Blackleg Serum Company, Kansas City, Missouri. Calf book.
  - Carnation Company, Oconomowoc, Wisconsin. Booklet, "The Key to Successful Calf Raising."
  - Washburn-Crosby Company, Minneapolis, Minnesota. Bulletin, "Dairy Management."

### Horses

- A. Breeders' Associations, Pictures and literature.
- American Association of Importers and Breeders of Belgian Draft Horses, Wabash, Indiana.
  - The Percheron Society of America, Chicago, Illinois.
  - American Clydesdale Association, Chicago, Illinois.
- B. Miscellaneous.
- Spohn Medical Company, Goshen, Indiana. Booklet, "How to Train Colts."
  - Horse and Mule Association of America, 407 S. Dearborn Street, Chicago, Illinois. Bulletins, "Care, Feed and Management of Horses and Mules," and "Questions and Answers About the Multi-Hitches."

The American Pad and Textile Company, Greenfield, Ohio, Booklet, "You Can Make More Money with Horses and Mules."

### Swine

- A. Breeders' Association. Literature and pictures.
- American Berkshire Association, Springfield, Illinois.
  - American Duroc Jersey Swine Breeders' Association, Chicago, Illinois.
  - American Poland China Record Association, Chicago, Illinois.
  - American Hampshire Swine Record Association, Peoria, Illinois.
  - Chester White Record Association, Rochester, Indiana.
  - The Spotted Poland China Bulletin, 3153 Kenwood Avenue, Indianapolis, Indiana.
- B. Miscellaneous.
- Washburn-Crosby Company, Minneapolis, Minnesota. Bulletin, "Pig Sense—Hog Dollars."

### Sheep

- A. Breeders' Association.
- American Delain Merino Record Association, Delaware, Ohio.
  - American Southdown Breeders' Association, Springfield, Illinois.
  - American Hampshire Sheep Association, Detroit, Michigan.
  - American Shropshire Registry Association, Lafayette, Indiana.
  - American Cotswald Association, c/o F. W. Harding, 13 Dexter Park Avenue, Chicago, Illinois.
- B. Miscellaneous.
- Chicago Flexible Shaft Company, 5600 Roosevelt Road, Chicago, Illinois. Folder, "Shearing the Farm Flock."

### Poultry

- Fidelity Laboratories, Inc., 822 Exchange Avenue, Chicago, Illinois. Bulletin on "Caponizing for Profit."
- George H. Lee Company, Omaha, Nebraska. Booklet, "Lee Way Poultry Book."
- Dr. Salsbury's Laboratories, Charles City, Iowa. "Worms in Poultry."
- Dauber Bros., Chicago, Illinois. Bulletin on dressing poultry, "The Dauber Way."
- Dr. Hess and Clark, Inc., Ashland, Ohio. Book, "Poultry Culture."
- Purina Company, St. Louis, Missouri. Booklet, "Quality Eggs Mean Profits" also "Culling Charts."

## THE VISITOR

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## THE STAFF

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Washburn-Crosby Company, Minneapolis, Minnesota. Bulletins, "Profitable Turkeys," "Poultry Nutrition Research," and "Feeding Poultry for Profit."

E. I. Du Pont de Nemours & Company, Inc. Wilmington, Delaware. Bulletin, "Eggs for Profit" and Blue prints for Laying Houses. American Dry Milk Institute, Inc., 221 North La Salle Street, Chicago, Illinois. Booklet on "Poultry Feeding."

### General Livestock

Papec Machine Company, 22 S. Senate Avenue, Indianapolis, Indiana. Booklets and folders on ground roughage.

Fidelity Laboratories, Inc., 822 Exchange Avenue, Chicago, Illinois. Folders on diseases of livestock.

Swift and Company, Chicago, Illinois. Booklets, wall charts, leaflet published monthly. Parke-Davis and Company, Detroit, Michigan. Pamphlets on livestock diseases and their control.

Armour and Company, Chicago, Illinois. Charts and booklets.

The Cushman Motor Works, Lincoln, Nebraska. Booklet, "Getting Dollars from Wastes."

Northwestern Yeast Company, 1750 N. Ashland Avenue, Chicago, Illinois. Bulletin, "Practical Feeding Facts."

Wilson & Company, c/o Ad. Dept., Chicago, Illinois. Charts and booklets.

Linsced Meal Education Committee, 744 N. Fourth Street, Milwaukee, Wisconsin. Booklet, "Practical Feeding for Profit."

St. Paul Union Stockyards Company, South St. Paul, Minnesota. Charts on livestock marketing.

### Farm Buildings and Fences

Pittsburgh Steel Company, Pittsburgh, Pa. Booklet, "Fence Guide"

American Zinc Institute, 60 East 42nd Street, New York City, New York. Booklet, "Laying Galvanized Roofing."

Keystone Steel and Wire Company, Peoria, Illinois. Fencing folders, booklets, "Profitable Farming Methods" and "Know Your Soils."

Continental Steel Corp., Kokonia, Indiana. Folders on Fencing and Galvanized Roofing. Agasate Millboard Company, Trenton, New Jersey. Plans of poultry houses, folders showing uses of Thermaose.

Lauden Machinery Company, Fairfield, Iowa. Barn Plans, poultry house plans, equipment literature.

Aeromotor Company, 2500 Roosevelt Road, Chicago, Illinois. "Water Supply Bulletin No. 35."

American Sheet and Tin Plate Company, Pittsburgh, Pa. Booklet, "Better Buildings."

Independent Silo Company, St. Paul, Minnesota. Agricultural series, Redwood bulletins.

Portland Cement Association, Baker Building, Minneapolis, Minnesota. Bulletins, "Permanent Farm Repairs," "Soil Saving with Concrete," "Foundation Walls & Basements of Concrete," "Concrete Silos," "Modern Poultry Houses," "Concrete Tanks, Troughs and Cisterns," "Concrete Septic Tanks," "Concrete Improvements," "Plans for Concrete Farm Buildings, Permanent Farm Construction," and "A Practical Course in Concrete."

The Prime Manufacturing Company, 1669 So. First Street, Milwaukee, Wisconsin. Bulletin, "Controlled Electric Fence."

Starline, Inc., Harvard, Illinois. Bulletin, "Proved Plans."

H. D. Hudson Manufacturing Company, 324 3rd Avenue No., Minneapolis, Minnesota. Booklet, "Farm Buildings."

The Insulte Company, Builders' Exchange Office, Minneapolis, Minnesota. Booklet, "Building Greater Farm Profits with Insulte."

### Farm Mechanics

Flexible Steel Lacing Company, 4607-31 Lexington Street, Chicago, Illinois. Booklet, "Short Cuts to Power Transmission" and sample materials.

Witte Engine Works, Kansas City, Missouri. Booklets and folders on gas engines.

J. I. Case Company, Racine, Wisconsin. Tractor and Machine Bulletins, wall charts.

Jacobs Wind Electric Company, 2111 Washington Avenue No., Minneapolis, Minnesota. Booklet describing wind electric generators.

International Harvester Co., Chicago, Illinois. Series of farm bulletins, farm operating equipment.

Ramsey Accessories Manufacturing Corp., 3693 Forest Park Blvd., St. Louis, Missouri. Bulletin on "Motor Repair," chart.

The Texas Company, 135 42nd Street, New York City, N. Y. set of 24 samples of Petroleum Products, booklet, "Petroleum Products"; Chart requests to be signed by superintendent.

The Plymouth Cordage Company, North Plymouth, Mass. Chart and booklet, "Useful Knots."

Henry Disston & Company, Tacony, Pa. Bulletin, "Disston Saw Tool and File Manual" and "Pruning Guide."

The Carborundum Company, Niagara Falls, N.Y. Booklet, "Carborundum Products for the Home Craftsman."

Pratt & Lambert, Inc., Chicago, Illinois. Bulletin, "Here's How," paint instructions—supply limited.

American Screw Company, Providence, Rhode Island. Wood screw chart.

The Columbian Rope Co., Auburn, New York. Rope Knowledge for Scouts.

Buffalo Forge Company, Buffalo, New York. Booklet, "Exercises for Forge Shop Practice."

The Hooven & Allison Company, Xenia, Ohio. Booklet, "More Jobs From the Same Rope."

E. C. Atkins & Company, 402 So. Illinois Street, Indianapolis, Indiana. Bulletin, "Saw Sense."

General Motors Corporation, c/o Dept. of Public Relations, Detroit, Michigan. Booklets, "When Wheels Revolve" and "Chemistry and Wheels."

### Miscellaneous

Firestone Rubber Company, Akron, Ohio. Booklet on pneumatic Tires for farm implements.

Goodyear Tire Company, Akron, Ohio. Booklet, "Farming the 48 States with Goodyear."

- Sears-Roebuck and Company, Chicago, Illinois. Booklet, "Tips to Trappers."  
 Pennsylvania Salt Manufacturing Company. 20 North Wacker Drive, Chicago, Illinois. Booklets, "Improved Way to Cure Meats" and "The Truth About Lye."  
 Morton Salt Company, Chicago, Illinois. Booklet, "Meat Curing Made Easy."  
 More Game Birds in America, Inc., 500 Fifth Avenue, New York City, N. Y. Booklets, "Water Areas, How to Create and Maintain Them," "Water Fowl Food Plants," "Pheasant Breeding Manual," "Quail Breeding Manual," "Game Birds—Make Them Pay," "More Water Fowl," and others.  
 The De Laval Separator Company, 427 Randolph Street, Chicago, Illinois. Separator, milking machine bulletins.  
 Church & Dwight Company, Inc., 70 Pine Street, New York City, N.Y. Set of bird banners.

#### Farm Crops and Soils

- American Cyanamid Company, 30 Rockefeller Plaza, New York City, N.Y. Bulletins on Nitrogen Fertilizers.  
 Caterpillar Tractor Company, Peoria, Illinois. Booklet, "Crops or Canyons."  
 The Albert Dickinson Company, Chicago, Illinois. 25 Free samples, booklets, "The Pine Tree Hip-Pocket Farm Guide," and feed bulletins.  
 E. I. Du Pont de Nemours and Company, Inc., c/o Ag. Ext. Section, Wilmington, Del. "Treating Seed with Formaldehyde."  
 The Cleveland Tractor Company, Cleveland, Ohio. Bulletin, "Permanent Agriculture." State that you plan to use the material in the classroom.

#### Garden and Orchard

- Stark Bros. Nurseries, Louisiana, Missouri. Booklet, "Profitable Orcharding."  
 Tobacco By-Products and Chemical Corp., Inc., Louisiana, Kentucky. Spraying calendar and chart.  
 E. I. Du Pont de Nemours & Company, Inc., Wilmington, Delaware. Booklet, "Outwitting Jack Frost."

#### Recent Publications

- Horlacher, L. J., Hammonds, Carsie. *Sheep*. The Commercial Printing Company, Lexington, Kentucky. 1936.  
 McDowell, J. C., Field, A. M. *Dairy Enterprise*. J. B. Lippincott Company, Chicago, Illinois. Revised 1936.  
 Nolan, A. W. *Short Stories for Future Farmers*. The Interstate Printers and Publishers, Danville, Illinois. 1936.  
 Cook, C.C., Walker, Clyde. *Practical Methods in Teaching Farm Mechanics*. Interstate Printers and Publishers, Danville, Illinois. 1936.  
 Chapman, Paul, Shaffer, L. M. *Live-stock Farming*. Turner E. Smith & Company, Atlanta, Georgia. 1936.  
 Spangler, A. J. *A Handbook of Meats for Future Farmers*. Von Boedmann-Jones Company, Austin, Texas. 1936.  
 Hopkins, J. A. *Elements of Farm Management*. Prentice-Hall Inc., 1936. \$2.20.

#### Index for Agricultural Engineering News Letter

The teacher of agriculture receives much in the way of news-letters, reports, and periodical bulletins. Part of the material is highly valuable, and the problem of keeping the material available for use demands a method of indexing and filing.

The Agricultural Engineering News Letter, published by the Agricultural Engineering Department, University Farm, St. Paul, is a good example of the valuable type of news-letters. The following topical index of the articles placed with the file of the news letters will save much time and keep the material available for advantageous use.

The index covers the period of April 15, 1932, the first issue, to September 15, 1936.

V. E. N.

#### April 15, 1932 to September 15, 1936

##### General

- From Forest to Farm. M. J. Thompson. No. 11, February 15, 1933.  
 The Agricultural Engineering News Letter. William Boss. No. 1, April 15, 1932.

##### Drainage

- Control of Gullies. H. B. Roe. No. 25, April 15, 1934.  
 Maintaining the Farm Drains. H. B. Roe. No. 7, October 15, 1932.  
 Proper Spacing and Depth of Tile Drains. J. H. Neal. No. 24, March 15, 1934.  
 Pumping Outlets for Tile Drainage Systems. H. B. Roe. No. 54, September 15, 1936.  
 Selecting Good Drain Tile. Dalton G. Miller. No. 43, October 15, 1935.  
 Tile Drainage. J. H. Neal. No. 42, September 15, 1935.

##### Electric Farm Service

- Common Uses of Electricity on the Farm. J. Romness. No. 47, February 15, 1936.  
 Materials to be Used in Farmstead Wiring. J. Romness. No. 52, July 15, 1936.  
 The Trend in the Use of Electricity on the Farm. J. Romness, No. 33, December 15, 1934.  
 Wind Power Electric Plants. J. Romness. No. 23, February 15, 1934.  
 Wiring Farmstead for Electric Service. H. B. White. No. 22, January 15, 1934.

##### Farm Buildings

- Barn Ventilation. H. B. White. No. 8, November 15, 1932.  
 Farm Buildings That Pay. William Boss. No. 38, May 15, 1935.  
 Farm Building Plans. L. W. Neubauer. No. 44, November 15, 1935.  
 Farmhouse Plans. H. B. White. No. 2, May 15, 1932.  
 Insulation of Farm Buildings. H. B. White. No. 41, August 15, 1935.  
 Painting Farm Buildings. C. H. Christopherson. No. 50, May 15, 1936.  
 Milk Housing. H. B. White. No. 15, June 15, 1933.  
 Roadside Markets. C. L. Berggren, No. 12, March 15, 1933.

Shelter for Farm Machinery. H. B. White. No. 19, October 15, 1933.

Temperatures of Animal Shelters. L. W. Neubauer. No. 32, November 15, 1934.

The Farm Housing Survey. H. B. White. No. 28, July 15, 1934.

The Minnesota Farm Home Building Program. H. B. White. No. 39, June 15, 1935.

#### Farm Management

Making Hay with the Windrow Baler. A. J. Schwantes. No. 18, September 15, 1933.

Chopping Hay for Storage. A. J. Schwantes. No. 36, March 15, 1935.

Farm Fences. L. W. Neubauer. No. 27, June 15, 1934.

Planning the Farm for Greater Efficiency. N. A. Kessler. No. 20, November 15, 1933.

Hitching for Better Implement Operation. J. B. Torrance. No. 5, August 15, 1932.

Sewage Disposal for the Farm Home. A. G. Tyler. No. 6, September 15, 1932.

#### Farm Power

Better Practices in Servicing Farm Tractors. J. B. Torrance. No. 46, January 15, 1936.

Characteristics of Tractor Power. A. J. Schwantes. No. 4, July 20, 1932.

Farm Experiences with Rubber Tired Tractors. J. B. Torrance, No. 35, February 15, 1935.

Forms of Power Used on Farms. A. J. Schwantes. No. 3, June 15, 1932.

Living in the Power Age. William Boss. No. 16, July 15, 1933.

Rubber Tires on Farm Tractors. J. B. Torrance. No. 21, December 15, 1933.

The Nebraska Tractor Tests. J. B. Torrance. No. 10, January 15, 1933.

#### Farm Shop

A Homemade Trailer for the Farm. A. J. Schwantes. No. 48, March 15, 1936.

Garden Furniture to Beautify the Home Grounds. C. L. Berggren. No. 26, May 15, 1934.

Rope Testing. J. Grant Dent. No. 9, December 15, 1932.

The Farm Shop. C. H. Christopherson. No. 45, December 15, 1935.

Use of the Level on the Farm. H. B. Roe. No. 34, January 15, 1935.

Welding Farm Equipment. J. H. Dent. August 15, 1936. No. 53.

#### Soil Erosion and Control

Checking Construction of Terraces. H. B. Roe. No. 37, April 15, 1935.

Contour Farming as an Aid to Soil Erosion Control. No. 31, October 15, 1934.

Control of Gullies. H. B. Roe. No. 25, April 15, 1934.

Sheet Erosion and the Loss of Soil Fertility. No. 14, May 15, 1933.

Terracing for Soil Erosion Control. H. B. Roe. No. 17, August 15, 1933.

The Present Status of the Soil Erosion Program. H. B. Roe. No. 49, April 15, 1936.

#### Water System

Sprinkler Irrigation of Vegetables and Small Fruits in Minnesota. O. W. Howe. No. 13, April 15, 1933.

Water Distribution Systems for the Farm. A. G. Tyler. No. 30, September 15, 1934.

Farm Wells, A. G. Tyler. No. 51, June 15, 1936.

#### Weather

Control of Summer Frosts on Peat Lands. O. W. Howe. No. 40, July 15, 1935.

When Will the Drought End? Dalton G. Miller. No. 29, August 15, 1934.

### Congratulations, Carl!

Mr. Carl Ostrom, teacher of Agriculture at Cannon Falls, Minnesota, has completed the scholastic and research requirements for the master's degree at the University of Minnesota. The degree of master of science was conferred upon him at the close of the summer session in August.

The VISITOR joins Mr. Ostrom's many friends in extending hearty congratulations. Mr. Ostrom is a firm believer in the value of continued study as a sound basis for progress. The students in his classes are not spending any time in the study of out-of-date materials. The reference library, the equipment and the teaching methods are keeping pace with the most modern procedure in the technical and professional field of agricultural education.

### Hail the Chief

The VISITOR office was pleasantly honored last month by a visit from our good friend and counsellor Dr. A. V. Storm. It was a pleasure to see him and to visit with him. The best way to answer your question is that he has not changed a bit. He is the same vigorous, dynamic, conscientious, scholarly man we knew so well and admired so much when he was actively in charge of the agricultural education work in Minnesota. Although not actively engaged in agricultural education work he is right up to date on the problems in the field of agricultural education. Those who know him best are not surprised at that. Dr. Storm's present address is 1751 University Avenue, San Diego, California. He is interested in agricultural education and he is deeply interested in all his host of former students and associates in the work. A bit of the fine philosophy in Dr. Storm's life is expressed in one of his favorite poems, "A Rose to the Living." Surely a letter to him now and then would be greatly appreciated. Sam Watts Foss must have thought of him when he wrote:

"I see from my house by the side of the road,  
By the side of the highway of life,  
The men who press with the ardor of hope,  
The men who are faint with the strife,  
But I turn not away from their smiles nor their tears,  
Both parts of an infinite plan—  
Let me live in a house by the side of the road  
And be a friend to man."