

NORTHWEST MONTHLY

Contents - Vol. VII January 1923 No. 2

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Feeding Sweet Clover Hay

The Northwest School Library has a copy of this issue.

Supplement to January issue

PROGRAM OF
Red River Valley Meetings and Winter Shows
 TO BE HELD AT CROOKSTON, FEB. 5-6-7-8-9, 1923.

PROGRAM OF EVENING MEETINGS

Armory

MONDAY EVENING, FEBRUARY 5

Red River Valley Rural Schools Spelling Contest.
 Address by Dean W. C. Coffey, University Farm.

TUESDAY EVENING, FEBRUARY 6

Address by Dr. Preston J. Bradley, Chicago.

WEDNESDAY EVENING, FEBRUARY 7

Address by Dr. Roy L. Smith, Minneapolis.
 Address, by Radio, Senator Arthur Capper, Kansas.

THURSDAY EVENING, FEBRUARY 8

Address by President James A. Burns, Oneida College,
 Kentucky.

FRIDAY EVENING, FEBRUARY 9

Red River Valley Song Festival.

SCHEDULE
 of

MEETINGS, EXHIBITS, CONTESTS AND SALES

The following events will take place in Crookston during Northwest School Farmers' Week Meetings and the Red River Valley Winter Shows, February 5 to 9, 1923.

FARMERS' WEEK MEETINGS

Farm Crops.....	Monday and Tuesday, February 5 and 6
Live Stock.....	Wednesday, February 7
Farm Marketing.....	Thursday, February 8
Diversified Farming.....	Friday, February 9

WOMEN'S MEETINGS

Home and Health.....	Tuesday, February 6
Nutrition.....	Wednesday, February 7
Home Management.....	Thursday, February 8
Nutrition and Joint Session.....	Friday, February 9

EDUCATIONAL CONTESTS

Farm Club Live Stock Judging.....	Monday, February 5
High School Live Stock Judging.....	Monday, February 5
High School Farm Crops Judging.....	Monday, February 5
Red River Valley Rural School Spelling.....	Monday, February 5
Red River Valley Essay.....	Monday, February 5

SHOWS AND EXHIBITS

Barberry Eradication.....	All Week, February 5-9
Grain Grading.....	All Week, February 5-9
Industrial and Implement.....	All Week, February 5-9
Junior Live Stock.....	All Week, February 5-9
Minnesota Crop Improvement.....	All Week, February 5-9
Minnesota Red River Valley Development.....	All Week, February 5-9
Northern Minnesota Poultry.....	All Week, February 5-9
Northwest Experiment Station.....	All Week, February 5-9
Plant Breeding.....	All Week, February 5-9
Red River Valley Live Stock.....	All Week, February 5-9

ASSOCIATION MEETINGS

Minnesota Crop Improvement.....	Tuesday, February 6
Minnesota Red River Valley Development.....	Thursday, February 8
Northern Minnesota Poultry.....	Wednesday, February 7
Northwest School of Agriculture Alumni.....	Friday, February 9
Red River Valley Live Stock.....	Wednesday, February 7
Red River Valley Guernsey Breeders'.....	Thursday, February 8
Red River Valley Crops and Soils.....	Wednesday, February 6

PURE BRED LIVE STOCK SALES

Chester White Breeders'.....	Friday, February 9
Duroc Jersey Breeders'.....	Friday, February 9
Holstein Breeders'.....	Thursday, February 8
Poland China Breeders'.....	Friday, February 9
Shorthorn Breeders'.....	Friday, February 9

INFORMATION

Reduced railroad rates have been granted. Fare and one-half, open rate. No certificates are required. Tickets are on sale February 3 to 9, inclusive, with final return limit, February 12.

On arriving at the Red River Valley Winter Shows building, secure tickets for the day or the week. There is no charge for the day sessions held in the Armory or the women's meetings held in the Presbyterian church.

For lodging accommodations inquire at the Lodging Booth at the Winter Shows building.

Be sure to read carefully the announcements in these pages for the different association meetings, shows and conferences.

Attend evening programs in the Armory. Monday, Tuesday, Wednesday, Thursday and Friday. They begin with a band concert or orchestra program at 7 o'clock. Mrs. M. Lucille Holliday Swain will lead singing by the



DEAN WALTER C. COFFEY

University of Minnesota, Department of Agriculture, who will speak on Monday evening, February 5. Subject: "The Farmer's Program"



DR. PRESTON J. BRADLEY

Chicago, who will speak on Tuesday evening, February 6. Subject: "The United States of Tomorrow."

audience on Tuesday, Wednesday, and Thursday evenings. The Red River Valley Song Festival will be held on Friday evening.

Note the luncheons and dinners given by various organizations. These are very interesting events. Opportunity is presented to get acquainted with members from other counties. The secretaries of these organizations will be glad to furnish you with a ticket.

Tuesday, February 6, will be Minnesota Crop Improvement Association Day. Special topics relating to farm crops will be given on that day and on the day preceding. A program will be found on another page of this bulletin. Red River Valley folks are hosts to the state association this year. Let us join the farm crops groups on those days.

Wednesday, February 7, will be Red River Valley Live Stock Association Day. Judging the live stock exhibits will be completed on the day before. Special features will be provided for Wednesday's program. The Northern Minnesota Poultry Association will hold its annual meeting on February 7, also.

On Thursday and Friday, February 8 and 9, topics of special interest to Red River Valley farmers will be presented. Farm marketing problems and timely addresses on how to increase farm profits will feature these two days.

The Red River Valley Guernsey Breeders' Association will meet Thursday afternoon, February 8, at the Armory, in room at left of entrance. Leonard Houske, secretary.

The Northwest School of Agriculture Alumni Association meeting will be held at Rap's Restaurant on Friday, February 9. There will be a luncheon served at 12:30 o'clock, followed by a special program. The annual business session will follow. All members of the Alumni Association are requested to attend the luncheon and meeting. W. V. Sprung, Ada, is in charge. Make reservations for the luncheon.

WOMEN'S MEETINGS

The general plan for the Women's Meetings includes an afternoon session on Tuesday, February 6, and both forenoon and afternoon sessions on Wednesday, Thursday and Friday. The women's meetings will be held in the Presbyterian church. Miss Lucy Cordiner, extension specialist in nutrition, will be here the last three days of the course. The Friday afternoon session will be a joint session held in the Armory, at which both the men and the women will be in attendance.

Miss M. Beatrice Johnstone, Grand Forks, Mrs. Genevieve Maybohn, St. Paul, and others will speak at the Women's meetings. In addition, Dean W. C. Coffey, Dr. Roy L. Smith and President James A. Burns will give addresses at these meetings.

Luncheon meetings of the various valley organizations are open to the women as well as to the men. Tickets may be secured from the secretaries of these organizations.

MONDAY, FEBRUARY 5

9:00 A. M.

Live Stock and Farm Crops Judging Contests
 Farmers' Club Live Stock Judging Contest.
 High School Live Stock Judging Contest. Judges: Sheep, D. B. Morris; Horses, W. E. Morris; Dairy Cattle, L. V. Wilson; Beef Cattle, W. H. Peters; Swine, E. F. Ferrin.
 High School Farm Crops Judging Contest. Judges: T. A. Erickson, A. J. Kittelson and R. F. Crim.
 Judging Minnesota Crop Improvement Association Exhibits
 Grain Exhibits: T. J. Harrison, Manitoba Agricultural College, Winnipeg.
 Corn Exhibits: C. E. Brown, Elk River; J. T. Scott and Lee Alexander, University Farm, St. Paul.
 Potato Exhibits: C. E. Brown, Elk River.
 Judging Red River Valley Live Stock Association Cattle, Swine and Sheep Exhibits
 Holstein Classes: H. H. Kildee, Ames, Iowa.
 Guernsey Classes: L. V. Wilson, University Farm, St. Paul.
 Beef Cattle Classes: A. A. Dowell, University Farm, St. Paul.
 Swine Classes: E. F. Ferrin, University Farm, St. Paul.
 Sheep Classes: W. C. Coffey, University Farm, St. Paul.
 Junior Classes: L. V. Wilson, University Farm, St. Paul.
 Judging Northern Minnesota Poultry Association Exhibits
 Poultry Classes: George W. Hackett, Minneapolis.

3 P. M., AT ARMORY

Annual Convention of Minnesota Crop Improvement Association, C. E. Brown, Elk River, Presiding.
 Better Seed for Northwestern Minnesota, E. R. Clark, Northwest Experiment Station, Crookston.
 Alfalfa for the Red River Valley, R. F. Crim, University Farm, St. Paul.
 Performance of Recommended Minnesota Varieties at Central and Sub-stations, A. C. Arny, University Farm, St. Paul.
 The Minnesota Crop Improvement Association Program will be continued on Tuesday, February 6.

5:45 P. M.

Dinner Meeting of Judging Teams and of Junior Live Stock Show Exhibitors, at Rap's Restaurant

MONDAY EVENING

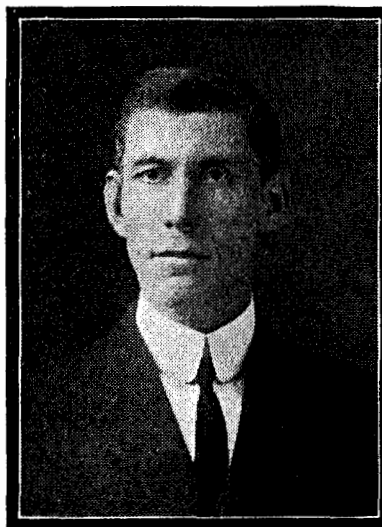
Armory

7:00 Music—Crookston High School Orchestra, H. W. Schwartz, Director.
 Tenth annual Red River Valley Rural School Spelling Contest. Committee in charge: E. K. Sampson, Ada; N. A. Thorson, Crookston, and Erba Pouliot, Red Lake Falls.
 Northwest School Glee Club, Louise Pederson, Director.
 (a) "Old Glory" Adams
 (b) "The Brotherhood of Man" Auber
 Address—Dean W. C. Coffey, Department of Agriculture, University of Minnesota. Subject: "The Farmers' Program."
 Announcement of Awards in Annual Red River Valley Essay Contest.
 Subject: "The Winter Shows as a Factor in Development of Diversified Farming in the Red River Valley." Committee in charge: S. A. Aas, Fertile; David Johnson, Warren, and Jos. Hamre, Erskine.
 What the Poultry Exhibit Shows: Be sure to see the entries in this year's Northern Minnesota Poultry Association poultry shows. The officers of the association, the judges, the superintendents of depart-



DR. ROY L. SMITH

Minneapolis, who will speak on Wednesday evening, February 7. Subject: "At the Foot of the Rainbow."



PRESIDENT JAMES A. BURNS

Oneida College, Kentucky, who will speak on Thursday evening, February 8. His subject will be: "Burns of the Mountains."

ments and the owners will gladly discuss the individual merits, breeding and records of the birds exhibited.

The annual business meeting of the Northern Minnesota Poultry Association will be held in the Crookston Association Banquet Room on Wednesday, immediately following the noonday luncheon.

TUESDAY, FEBRUARY 6

9:30 A. M.

Judging Live Stock Classes, Begun on Monday, Will Be Continued on Tuesday until all the Awards Are Made. In Livestock Pavilion.

10:00 A. M. ARMORY

Minnesota Crop Improvement Program

Report of Red River Valley Crops and Soils Association, R. S. Dunham, Northwest Experiment Station, Crookston.
Producing Minnesota Pedigreed Seed, A. D. Haedecke, University Farm, St. Paul.

International Seed Trade, C. P. Bull, State Weed Inspector, St. Paul.
The annual meeting of the Minnesota Crop Improvement Association will be held in conjunction with the program of Tuesday forenoon. Arrangements for this will be made by the officials in charge.

NOON LUNCHEON

Luncheon meeting, held under the joint auspices of the Minnesota Crop Improvement Association and the Red River Valley Crops and Soils Association, in Crookston Association Banquet Room, 12 o'clock. A. J. Glover, Fort Atkinson, Wis., and C. E. Brown and C. C. Williams, presidents of the Minnesota Crop Improvement Association and the Red River Valley Crops and Soils Association, respectively, and others will speak.

1:30 P. M.

Farm Crops Meeting in Armory.

Corn Demonstration, by Iver Johnson and Julian Halvorson, Students of the Northwest School of Agriculture, Crookston.

2:00 P. M.

The Production of Improved Varieties of Crops for the Red River Valley. An outline of work being done by the Plant Breeding Section at University Farm. Fred Griffie, University Farm, St. Paul.

Methods of Reducing Losses from Black Stem Rust, E. C. Stackman, University Farm, St. Paul.

Pure Seed Distribution in Canada, T. J. Harrison, Winnipeg, Manitoba.

TUESDAY EVENING

Armory

7:00 Music—Crookston Municipal Band, H. L. Smith, Director. Wheat Demonstration, Wallace Miller and Arnold Swanson, Northwest School of Agriculture.

Community Singing, led by Mrs. Lucille Holliday Swain. Crookston High School Girls' Glee Club, Ruth Hill, Director.
(a) "Carmena Waltz"Wilson
(b) "Bowl of Roses"Clarke
Address—Subject: "The United States of Tomorrow," Dr. Preston J. Bradley, Chicago.

What the Farm Crops Exhibit Shows: Be sure to see the samples of this year's Minnesota Crop Improvement Association and Red River Valley Development Association show. Discussion regarding the exhibits, led by A. D. Haedecke and R. S. Dunham.

WEDNESDAY, FEBRUARY 7

9:30 A. M.

Parade of Prize Winning Live Stock in Live Stock Pavilion.

Presentation of Silver Trophies as awards for:

1. Best Beef Herd in Red River Valley.
2. Best Dairy Herd in Red River Valley.
3. Best Swine Herd in Red River Valley.
4. Best Sheep Flock in Red River Valley.
5. Best Dairy Calf in Junior Live Stock Show.

10:00 A. M.

Livestock Meeting in Armory

10:00 Raising Meat Producing Animals in the Red River Valley, W. H. Peters, University Farm, St. Paul.

10:30 Relation of Live Stock Production to Farm to Farm Crop Production in the Red River Valley, A. J. Glover, Editor, Hoard's Dairyman, Fort Atkinson, Wisconsin.

11:00 Selection and Feeding of the Dairy Cow, H. H. Kildee, Iowa State College, Ames, Iowa.

11:30 Discussion.

1:30 P. M.

1:30 Sheep on Red River Valley Farms, Demonstration, Kittson County Boys' Club Team.

2:00 Address, J. F. Reed, President, Minnesota Farm Bureau Federation.

2:30 A Constructive Policy for the Control of Live Stock Diseases in Minnesota, Dr. C. E. Cotton, Secretary, Minnesota Live Stock Sanitary Board, St. Paul.

3:00 Pastures and Plans for Profitable Swine Production, H. H. Kildee.

3:30 Live Stock on Farms Operated by Tenants, A. J. Glover.

4:00 A Forward Look in Live Stock, Dean W. C. Coffey.

4:30 Discussion.

5:00 P. M.

The annual business meeting of the Red River Valley Live Stock Association will be held immediately following the afternoon program.

The annual meeting of the Red River Valley Crops and Soil Association will be held in room at right of entrance in Armory. R. S. Dunham, secretary.

6:00 P. M.

The Annual Banquet of the Red River Valley Live Stock Association will be held at Crookston Association Banquet Hall. Secure tickets in advance from Secretary O. M. Kiser.

An interesting program will be given, including addresses by N. J. Holmberg, state commissioner of agriculture, members of the state legislature, and others.

WEDNESDAY EVENING

Armory

7:00 Music—Crookston Municipal Band, H. L. Smith, Director. Community Singing, led by Mrs. Lucille Holliday Swain.

Northwest School Boys' Glee Club, Louise Pederson, Director.
(a) "We'll Never Let the Old Flag Fall"Remington
(b) "Southern Memories"Old Plantation

Address—"At the Foot of the Rainbow," Dr. Roy L. Smith, Minneapolis.

Address by Radio, Senator Arthur Capper of Kansas.

What the Live Stock Exhibit Shows: Be sure to see the entries in this year's Red River Valley Live Stock Association live stock show.

The officers of the association, the judges, the superintendents of departments and the owners will gladly discuss the individual merits, breeding and records of the animals exhibited.

THURSDAY, FEBRUARY 8

9:30 A. M.

Winter Shows General Meeting—Armory

9:30 The Farmer's Part in Solving the Market Problems, A. J. McGuire, St. Paul.

10:15 The Relation of the Farmer to his Farm Organizations, T. H. Hagen, Minneapolis.

11:00 General Principles of Cooperation Among Farmers, J. S. Montgomery, South St. Paul.

11:30 Discussion.

1:30 P. M.

1:30 Demonstration by Northwest School Students.

2:00 Potato Marketing Problems, A. M. Dunton, Bagley.

2:30 Transportation Costs as a Factor in Farm Marketing, H. J. Hughes, Capitol, St. Paul.

3:00 Farm Marketing Conference Discussion, led by Mr. M. L. Warner, Warren.

NOON

At noon there will be a Luncheon Meeting of the Minnesota Red River Valley Development Association at the Crookston Association Banquet Hall. Secure tickets from C. H. Zealand, secretary.

Holstein Sale

At 1:00 o'clock there will be a sale of registered Holsteins in the Live Stock Pavilion. Send to O. M. Kiser, secretary for sale catalog.

Guernsey Breeders' Meeting

At 4:30 o'clock there will be a meeting of the Red River Valley Guernsey Breeders' Association in room at right of entrance in Armory. L. Houske, secretary.

THURSDAY EVENING

Armory

7:00 Music—Crookston Municipal Band, H. L. Smith, Director. Community Singing, led by Mrs. Lucille Holliday Swain.

Crookston High School Boys' Glee Club, Ruth Hill, Director.
(a) "Here's a Health to You, Old High"Parks
(b) "Just Smile"Parle

Address—President James A. Burns, Oneida College, Kentucky.

Special Exhibit: A Special Industrial and Farm Machinery Exhibit can be seen in Annex B. Numerous kinds of equipment both for the farm and the home will be on display. The exhibit will be open during the entire week.

FRIDAY, FEBRUARY 9

9:30 A. M.

Diversified Farming Conference—Armory.

9:30 Sweet Clover for Pasture, August Burk, Brooks.

10:00 Soy Beans for the Red River Valley, R. S. Dunham, Northwest Experiment Station, Crookston.

10:30 Corn for the Red River Valley, J. G. Haney, Grand Forks.

11:00 Sugar Beets for Red River Valley. Subject introduced by F. H. Ross, Fisher.

1:30 P. M.

Joint Meeting of Men and Women—Armory

1:30 Music

1:45 Sugar Beets for the Red River Valley, L. E. Flink and H. A. Douglas, Minnesota Beet Sugar Factory, Chaska.

2:30 Address—Miss Lucy Cordner, Extension Specialist in Nutrition, University Farm, St. Paul.

3:15 Successful Diversified Farming Practices for the Red River Valley. Subject introduced by John Perry. Discussion by C. G. Selvig, J. G. Haney, A. M. Pilkey, and others.

General Discussion.

Beef Cattle and Hog Sale

At 1:00 o'clock there will be a sale of registered Chester White, Poland China and Duroc Jersey swine and of Shorthorn cattle in the live stock pavilion. Send to O. M. Kiser, secretary, for sale catalog.

NOON

At noon there will be a luncheon meeting of the Northwest School Alumni Association at Rap's Restaurant. Secure tickets from W. V. Sprung, Secretary, or Mr. A. H. Larson.

FRIDAY EVENING

Armory

7:30 Red River Valley Song Festival. Grand Chorus of 150 members from a dozen Red River Valley communities. Detailed program will be issued later.

Special Exhibits: A special exhibit prepared by the Northwest School of Agriculture can be seen on the second floor of the Live Stock Pavilion. Exhibits by the State Grain Grading Department, by the Plant Breeding Department of Minnesota College of Agriculture and by the Barberry Eradication Conference can be seen in the same building. These exhibits are well worth seeing and studying.

Special Announcement

FARM CROPS MEETING

TUESDAY, FEB. 6

Black Stem Rust of Wheat will be fully discussed.

LIVE STOCK MEETING

WEDNESDAY, Feb. 7

Coffey, Glover, Kildee, Reed, Peters, Dr. Cotton and others will speak. The Valley farmers will profit from these addresses.

FARM MARKETING

THURSDAY, Feb. 8

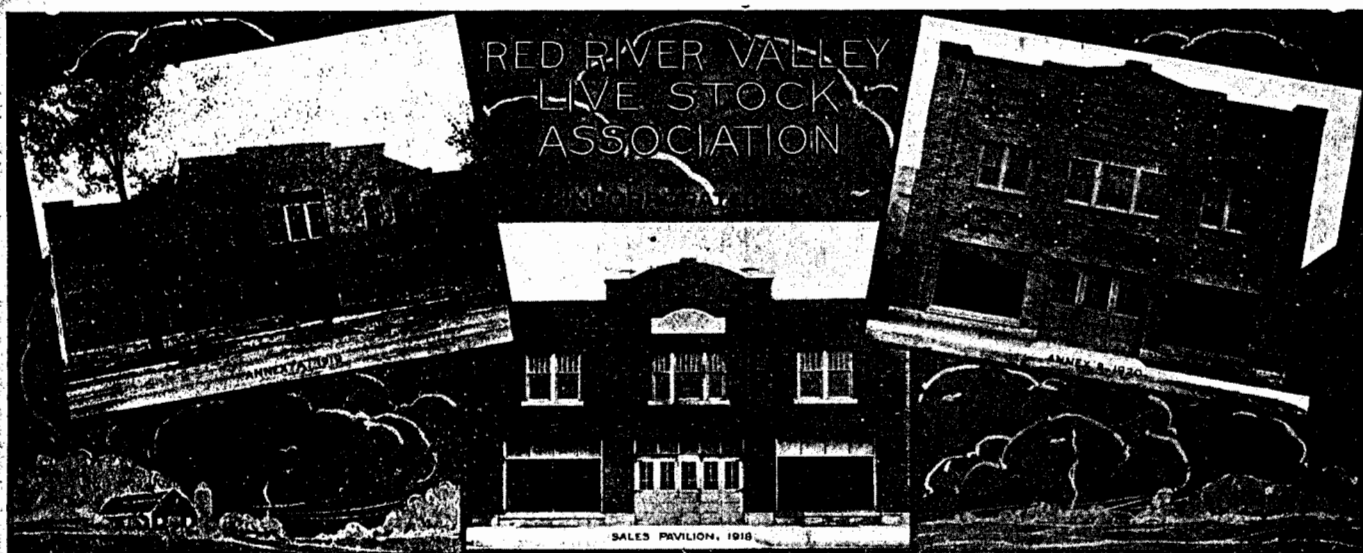
Held under auspices of Marketing Conference Committee, M. L. Warner, Warren, presiding. Addresses by:

A. J. McGuire, Manager, Minn. Coop. Creameries Ass'n.
 T. H. Hagen, Secretary, U. S. Grain Growers Sales Co.
 J. S. Montgomery, Manager, Central Coop-Commission Ass'n.
 A. M. Dunion, Manager, Minnesota Potato Exchange.
 H. J. Hughes, State Marketing Expert.
 H. N. Owen, Editor, Farm Stock and Home.

BALANCING PRODUCTION

FRIDAY, FEB. 9

Sugar Beet Growing, by Chaska Factory Experts.
 Sweet Clover, Alfalfa, Corn, Poultry, etc.



BUILDINGS OWNED BY THE RED RIVER VALLEY LIVESTOCK ASSOCIATION MEMBERS, IN WHICH THE RED RIVER VALLEY WINTER SHOWS ARE HELD.

Bulletin of

The University of Minnesota
 Department of Agriculture

NORTHWEST SCHOOL
 and
 EXPERIMENT STATION

Crookston, Minnesota



MEETING PLACE OF WOMEN'S MEETINGS

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MEETINGS AT ARMORY, CROOKSTON

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