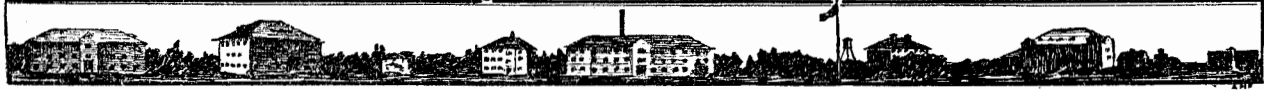


THE NORTHWEST MONTHLY



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VOL. XVI.

CROOKSTON, MINNESOTA, JANUARY, 1932.

NO. 2.

Three States and Canada Enter Judging Contests

The seventh annual Crops Judging contest will be held Monday, February 8. Schools participating in this event are the West Central School, Morris; the North Central School, Grand Rapids; the Northwest School, Crookston; the Manitoba Agricultural School, Winnipeg; the Benson County Agricultural School, Maddock, North Dakota; the Walsh County Agricultural School, Park River, North Dakota; the South Dakota School of Agriculture, Brookings. The cup for the winning team has been captured twice by the Northwest School, twice by the West Central School, and twice by the North Central School.

The contest this year is under the direction of R. F. Crim and H. K. Wilson of University Farm, who will prepare all samples and judge the results.

In the Inter-School Livestock Judging contest, R. J. Christgau also reports entries from three states and Canada, thus giving an international touch to the activities of the week. Judges include C. L. McNelly, University Farm, dairy cattle; C. M. Kelchan, Fergus Falls, beef cattle; W. E. Morris, University Farm, sheep; Wm. R. Page, Grand Forks, swine, and R. M. Douglass, Thief River Falls, horses.

Last year the silver trophy was won by the Northwest School livestock judging team, with George Wight as coach.

Farm club teams from a number of Northwestern Minnesota counties have been in training for some time so that an unusually keen contest is expected this year.

High School agricultural teams from northern Minnesota and North Dakota have already entered the High School livestock judging section. Coaches are determined to dethrone the hitherto invincible Park Rapids team coached by A. C. O'Banion.

CLUB WORK TO BE FEATURED DURING WINTER SHOWS

The dairy judging and dairy demonstration contests, which will be held for the first time during Winter Shows week, are creating much interest among 4-H dairy club members throughout the Red River Valley. According to H. A. Pfitzhoft, district
(Continued on Page 2)

Operetta to Draw Large Crowd

Rehearsals are being held daily for the operetta, "Oh Doctor," which will be presented by the Northwest School Glee Clubs in the school auditorium Saturday evening, January 30, under the direction of Mrs. Roy W. Hollander.

The book and lyrics of the operetta were written by Estelle Merryman Clark, while the music was composed by Palmer John Clark. The scene is laid somewhere east of the Rio Grande, not far from the border separating Mexico and the United States. Many delightful tunes are contained in the production.



GOVERNOR FLOYD B. OLSON
Governor of the State of Minnesota,
who will speak Thursday evening,
February 11

A strong cast has been selected by Mrs. Hollander. Many of the principal roles will be taken by students who appeared in "The Sunbonnet Girl," which met with such general approval last year. The cast is as follows:

Doctor Drinkwater, Proprietor of Drinkwater Sanitarium—Don McCall.
(Continued on Page 8)

Basketball Season Under Way

Tackling as difficult a schedule as any ever attempted by a Northwest School basketball team, the Aggies have been forced to take the light end of the score in the six games played since the opening of the winter season. Their opponents have, however, with two exceptions, been college teams with greater experience. These contests have served to put Christgau's men on fighting edge for the Minnesota Ag School Conference games with Grand Rapids, St. Paul, and Morris to be played later in the season.

A game with the Bemidji Teachers' College quint was the first following the Christmas vacation. Christgau's charges journeyed to the Pedagogue stronghold, January 11, and were handed a 37-17 defeat. Four days later they travelled to Fergus Falls for the first of a home and home series with the Park Region Luther College team. The team experienced considerable tough luck in the most recent games by rleying their opponents on even terms during the first half only to be nosed out in the final period of play. The Fergus Falls team scored two victories over the Aggies by last period rallies after Christgau's men were leading at the half. The scores of the Park Region victories were 30-20 and 23-19.

Donald Anderson, Perley, forward, holds scoring honors on the Aggie squad with Clarence Carlson, Stephen, center, a close second. Glenn Kramer, Fargo, N. D., and Kenneth Avery, Hallock, guards, have played excellent defensive games to date. Avery's knee has recovered from the injury received during the football season and Coach Christgau expects him to be available for the remaining games on the schedule. Alvin Gronner, Underwood, guard on the 1931 team has been shifted to forward in the revamped lineup.

The remaining games on the Aggie schedule are: February 5-6, Grand Rapids, there; Feb. 12, Alumni, here; Feb. 27, St. Paul, here; March 4-5, Morris, here.

ALUMNI MEET DURING WINTER SHOWS

Dr. Harry Hedin '11 is chairman of the committee on arrangements for the Mid-Winter Alumni Reunion to be held Friday, February 12, in the Gymnasium room of the New Physical Education
(Continued on Page 8)

THE NORTHWEST MONTHLY

Issued Monthly by
THE UNIVERSITY OF MINNESOTA
NORTHWEST SCHOOL OF
AGRICULTURE

A. A. DOWELL, Superintendent

OFFICE
Northwest Experiment Station,
Crookston, Minnesota.

A monthly publication in the interest of
agricultural education and home training for
Northwestern Minnesota.

FALL TERM HONOR ROLL

The following names appeared on the Honor Roll at the close of the fall term:

Freshmen: Allan Lee, Halma; Harvey Nelson, Orleans; Selmer Johnson, Crookston; Ida Dalager, Pelican Rapids; Agatha Olson, Beltrami; Herman Muller, Crookston; Elna Mattson, Frazee; Edward Worman, Crookston; Lois Sargent, Crookston; Morris Engelstad, Thief River Falls; Helen Carlson, Halstad; Helen Krogstad, Fertile; Ralph Risbrudt, Dalton; Lester Lerud, Twin Valley.

Juniors: James Rynning, Kennedy; Richard Holmgren, Carp; Darwin Krogman, Crookston; Jean Nisbet, E. Grand Forks; Harold Letnes, Hillsboro, N. D.; Clarence Weckwerth, Hazel; Paul Ingebretson, Ulen; Dayton Hanson, Fertile; William Sitko, Ada; Stephen Vilven, Crookston; Erdman McVeety, E. Grand Forks; John Stromstad, Beltrami; Glenn Ellinger, Crookston; Russell Stave, Bagley; Raymond Grabowenski, St. Paul; Edna Sorenson, Plummer; Arthur Sanden, Beaulieu; Ethel Torkelson, Crookston; Helen Hanson, Crookston.

Seniors: Kermit Greenley, Viking; Christian Holte, Baudette; Wallace Abbott, Mentor; Ruby Edeen, Clearbrook; Arvin Gorden, Badger; Reynold Johnson, Kennedy; Elmer O. Johnson, Newfolden; Norman Moen, Gary; Dorothy Worman, Crookston; Francis Smith, Vergas; Peter Mandt, Oklee; Herbert Hanson, E. Grand Forks; Lloyd Chapman, Crookston; Emil Hoppe, Warren; Walter Lunsetter, Gatzke; Hazel Tonsfeldt, Sabin.

Advanced: Carrie Buck, Crookston; Helmer Nornes, Lockhart; Arthur Paulson, Detroit Lakes; Clinton Donley, Fergus Falls; Donald McCall, Crookston; Darro Fox, Crookston; Arthur Hendrickson, Fosston; John Pearson, Middle River; Allan Hoff, Dalton; Clarence Peterson, Hawley; Russell Knudtson, Crookston; Arnold Wolden, Saum; Wendell Washburn, Rugby, N. D.; Emerald Abbott, Mentor; Robert Thorp, Crookston; Clarence Carlson, Stephen; Harold Halvorson, Gary; Roy Boman, Syre; Arlene Hill, Brooks; Leo Maattala, Oklee.

Special: Virginia Harding, Crookston.

Miss Leafie Graff of Goodridge and Mr. Oscar Quam (1925-26) were married December 24 at Mavie. Mr. and Mrs. Quam are making their home at Blue Earth, Minnesota.

CLUB WORK TO BE FEATURED DURING WINTER SHOWS

(Continued from Page 1)

club agent, eight counties have entered dairy judging teams and seven counties are training dairy demonstration teams. These two contests are being sponsored by the Red River Valley Dairymen's association. Other contests include: general livestock judging; showmanship in dairy, beef, sheep, and pig; and fitting beef animals for the show ring.

An educational program has been planned for the boys and girls who remain during the week. Topics to be discussed include, "Problems of Selection and Feeding of Beef Calves," "Timely Hints for 4-H Pig Club Members," "What Should be our Goal in Dairy Calf Club Work," "How I Feed and Manage My Flock of Sheep" by a former 4-H sheep club member.

T. A. Erickson, state club leader, will be present to talk to the boys and



BISHOP EDWIN HOLT HUGHES
Scholar, Author, Lecturer, from Chicago, who will speak Tuesday evening, February 9

girls. He will also be in charge of the leaders' conference on Thursday afternoon. The Northwest School 4-H club will entertain visiting club members with an interesting George Washington program. The swimming pool and gymnasium will be open to 4-H exhibitors on another evening. Arrangements have been made to house the boys and girls in the school dormitories. Breakfasts and suppers may also be secured at the school dining hall.

A supply of premium lists have been sent to county agents and leaders. For further information write to H. A. Pflughoeft, district club agent, Crookston.

STAFF MEMBERS ATTEND UNIVERSITY FARM SHORT COURSE

Superintendent A. A. Dowell, T. M. McCall and H. A. Pflughoeft attended the Farmers' and Home Makers' Short course held at University Farm during the third week in January. Superintendent Dowell addressed the Central School of Agriculture student body at a special assembly, while Professor McCall delivered a series of two addresses before the Horticultural section of the Short course.

Officials in charge reported a slight reduction in attendance compared to last year, but were gratified by the interest and enthusiasm that was evident throughout the week.

POULTRY TESTED BY STATE LIVESTOCK SANITARY BOARD

Under the direction of the Minnesota Livestock Sanitary Board and in cooperation with the newly formed Minnesota Poultry Improvement Board, of which W. K. Dyer is the executive secretary, the entire poultry flock at the Northwest Experiment Station, consisting of 835 birds, has been subjected to the agglutination test for the prevention and control of salmonella pullorum infection, commonly known as bacillary white diarrhea.

The result of the test was indeed very gratifying as but two birds in the entire flock reacted to the test. According to A. M. Pilkey, who has been in charge of the Poultry division for the past ten years, the production records of the two reacting birds was very unsatisfactory and irregular. The first hen had produced only 211 eggs in the past fifteen months, while the second hen produced 401 eggs during the past 27 months. Twenty-three eggs from the latter were incubated during the past season with but four chicks hatching and three of these chicks dying before they were three weeks old. The fourth chick developed into a mature cockerel and did not react to the test. Dr. Jenkins of the Livestock Sanitary Board, who performed the test, stated that seldom, if ever, are the reacting hens to this test of very great value as far as production is concerned.

The rapid whole blood agglutination test eliminates many objections to the slow tube method. The test can be made in one-half to two minutes, thus determining whether the bird is a positive or negative reactor. This eliminates the handling of the birds a second time to remove reactors from the flock, thus obtaining results of the test with less expense and time to the hatcherymen and flock owners.

The Livestock Sanitary Board is in control of infectious and communicable diseases among poultry in this state and cooperates fully with the work of the Minnesota Poultry Improvement Board, the work of which will be fully explained by its chief Mr. W. K. Dyer on Friday forenoon, February 12, of Winter Shows week.

Program Complete for Valley Week

TWENTY-SECOND ANNUAL Northwest School Farmers' Week and Women's Week

INFORMATION

PLACE OF MEETINGS—Crookston Armory for the farmers' meetings, and the Presbyterian Church for the women's meetings.

REDUCED RAILROAD RATES have been granted. Fare and one-third open rate. No certificates are required. Tickets are on sale February 6 to 12, inclusive, with final return limit February 15.

In addition to the regular scheduled stops, N. P. trains Nos. 13 and 14 will stop on flag at all other points between Staples and Crookston, also at points north of Crookston.

ADMISSIONS—75c for Season Ticket, which admits to SHOWS only for the entire week. 25c for single daily admission to the SHOWS only. 50c for single admission to the evening program. Out of town people may have seats for any evening held for them (until 6:00 P. M. of day designated) upon making written request for same.

LODGING—For lodging accommodations, inquire at the Lodging Booth at Winter Shows Office in Armory, first floor, at left of entrance.

LADIES' REST ROOM—The committee representing six women's organizations of Crookston has arranged for the use of the Public Rest Room under the Polk County State Bank for the convenience of visiting ladies. This Rest Room will be adequately equipped and in charge of a reception committee each day.

REST ROOM AT ARMORY—The room at right side of hallway in Armory has been reserved for the use of the ladies.

THE WEEK'S PROGRAM

MONDAY—Judging livestock, farm crops exhibits and poultry. Livestock and farm crops judging contests. Address by Dean Ralph Dennis, Northwestern University, in the evening.

TUESDAY—Judging stock and poultry. Farm crops meeting in Armory. Address by Bishop Edwin H. Hughes, Chicago, in the evening. Women's meetings in forenoon and afternoon.

WEDNESDAY—Livestock demonstrations and addresses in livestock pavilion in forenoon. Livestock meeting in the Armory in the morning and afternoon. Breed association and organization meetings. Address by Dean James C. Lawrence, University of Minnesota, in the evening. Women's meetings in forenoon and afternoon.

THURSDAY—Livestock demonstration in pavilion in forenoon. Meetings dealing with farm topics in Armory forenoon and afternoon. Address by Governor Floyd B. Olson, State of Minnesota, in the evening. Women's meetings in forenoon and afternoon.

FRIDAY—Meetings dealing with farm problems in Armory in forenoon and in the judging pavilion 1:30 P. M. The Singers' Rehearsal program, twenty-five cents. Evening program by Northwestern Minnesota Singers' Association. Women's meetings in forenoon and afternoon.

ASSOCIATION MEETINGS

Members of the Livestock and Farm Crops Judging Contest teams and Junior Livestock exhibitors' annual dinner meeting. Crookston Hotel, 5:30 P. M., Monday, February 8. Fifty cents a plate. H. A. Pflughoeft and George Wight, in charge.

Red River Valley Crops and Soils Association luncheon meeting in the Red and Gold room, Crookston Hotel, 12:00 noon, Tuesday, February 9.

County Agent Association dinner meeting, Crookston Hotel, 6:00 P. M., Tuesday, February 9.

Red River Valley Holstein Breeders' Association meeting, Gymnasium room, down stairs, Armory, 3:30 P. M. Wednesday, February 10. A. R. Knutson, Secretary.

Red River Valley Dairymen's Association directors' meeting, Crookston Hotel, 10:00 A. M. Thursday, February 11. C. M. Pesek, Secretary.

Red River Valley Livestock Association business meeting, 11:00 A. M. Gymnasium room, down stairs, Armory, Thursday, February 11. O. M. Kiser, Secretary.

Northern Minnesota Poultry Association's 24th Annual Meeting at 1:00 P. M. Thursday, February 11. Notice of place of meeting to be posted in Poultry Exhibit Room. John Saugstad, Secretary.

Red River Valley Bee Keepers' Association annual meeting, Room A, down stairs in Armory, 2:00 P. M. Thursday, February 11. T. M. McCall, President.

Boys' and Girls' 4-H Club Conference—Leaders' Conference in Room B, Armory, 2:30 P. M. Thursday, February 11. H. A. Pflughoeft, in charge.

Minnesota Red River Valley Development Association annual business meeting, Crookston Association Room, 4:00 P. M., Thursday, February 11. W. R. Low, Secretary.

Board of Managers of the Red River Valley Winter Shows luncheon meeting, Crookston Hotel, 12:00 Noon, Friday, February 12.

Northwestern Minnesota Singers' Association Banquet, Crookston Hotel, 5:00 P. M., Friday, February 12. N. A. Thorson, Secretary.

Northwest School of Agriculture Alumni Association reunion and party, Northwest School, 8:00 P. M. Friday, February 12. Dr. Harry Hedin, in charge. Register at Alumni booth in Crops Exhibit Room.

EDUCATIONAL CONTESTS

Livestock Judging Contest for teams representing farm clubs, high schools, and teams representing the University of Minnesota, Northwest School, Crookston; West Central School, Morris; North Central School, Grand Rapids, and Central, St. Paul; Manitoba Agricultural College (sub-collegiate class), Winnipeg; S. D. School of Agriculture, Brookings; Walsh County School, Park River, N. D., and Benson County School, Maddock, N. D. R. J. Christgau, in charge. 8:30 A. M., February 8.

Judges: Sheep, W. E. Morris; beef cattle, C. M. Kelehan; dairy cattle, C. L. McNelly; swine, Wm. R. Page, and horses, R. M. Douglass.

Farm Crops Judging Contest for teams from agricultural schools. See list under livestock judging contest. Dr. H. K. Wilson, in charge. 9:00 A. M. February 8.

Judges: R. F. Crim and H. K. Wilson.

Red River Valley Rural School Spelling Contest will be held at 10 A. M. Friday, February 12, at the Central High School building. The winners from each of Becker, Clay, Clearwater, Kittson, Mahnomen, Marshall, Norman,

Pennington, Polk, Red Lake, Roseau, Ottertail, and Wilkin Counties compete in this event. **Committee:** Adolph Stenseth Ada; Erba Pouliot, Red Lake Falls, and E. E. Billberg, Roseau. Miss Cynthia Weinberger in charge. The final spelloff will be held at four o'clock in the High School Assembly Room. Awards will be made at evening session in Armory.

Judges: Mrs. Cora B. Zakrisson and Mr. D. C. McGenty.

SHOWS AND EXHIBITS

Red River Valley Livestock Association sixteenth annual livestock show. This association owns the three buildings used for the Red River Valley Winter Shows.

Livestock Judges: Sheep, Dean W. C. Coffey, University Farm, St. Paul; Dairy Cattle, H. R. Searles, University Farm; Beef Cattle, Don W. Johnson, University Farm; Swine, H. G. Zavoral, University Farm.

Minnesota Red River Valley Development Association—Twenty-second annual farm crops show. The first four shows were held at the Northwest School of Agriculture under the auspices of the institution. In 1914 the Minnesota Red River Valley Development Association was organized and took over the Farm Crops Shows, and since 1922, the Red River Valley Crops and Soils Association has cooperated.

Crops Judges: A. C. Army and A. D. Haedecke, University Farm, and T. E. Stoa, Fargo. **Potatoes and Onions:** F. A. Krantz, St. Paul. **Bee and Honey Products:** M. C. Tanquary, St. Paul.

Northwestern Minnesota Poultry Association Twenty-fourth annual poultry Show. The exhibit is held on the second floor of Annex B.

Judge: George W. Hackett, Wayzata.

Fourteenth Northwestern Minnesota Industrial and Implement Exhibit.

Northwest School Educational Exhibit.

Boys' and Girls' Club Exhibit.

WINNERS OF TROPHIES IN 1931

Beef Herd—Monroe Bros., Warren.
Dairy Herd—J. D. Bacon & Sons, Grand Forks, N. D.
Holstein Herd—J. D. Bacon & Sons, Grand Forks, N. D.
Sheep Flock—Evan Busse, Ottawa.
Swine Herd—Spruce Lawn Farm, Hallock.
Dairy Calf (Junior)—Lucille Carman, Ada.
Sheep (Junior)—Ralph Haugen, Fertile.
Swine (Junior)—Edward Sargent, Crookston.
Baby Beef (Junior)—Bennie Strickler, Euclid.
Wheat—Arthur Norum, Hallock.

WINNERS OF JUDGING CONTESTS

High School Livestock Contest—Park Rapids.
N. W. School Interclass Livestock—Senior Class.
Farm Club—Keywest Community Club, Polk County.
Agricultural Schools Livestock—Crookston.
Agricultural Schools Crops—Grand Rapids.
Junior Showmanship—Bennie Strickler, Euclid.
Spelling Contest—Becker County.

POULTRY SHOW TROPHIES

Highest Scoring Cockbird—Clifford Webster, Beltrami.
Highest Scoring Hen—Darrell Morlan, Crookston.
Highest Scoring Cockerel—Clifford Webster.
Highest Scoring Pullet—Christian Bros., Fertile.
Highest Scoring Pen—Hirst & Son, Warren.
Best Dozen of Eggs—Hirst & Son.
Best Pen in Junior Department—Harvey Johnson, Underwood.

PUREBRED LIVESTOCK SALE

Holstein Cattle, Thursday, February 11.

SPECIAL MUSIC

Northwestern Minnesota Singers' Association, 1:45 and 8:15 P. M., Friday, February 12. T. W. Thorson, Crookston, is leader of the twelve chorus groups that make up the combined chorus.

The University of North Dakota Music Department, Professor H. C. Rowland, Director, will appear during the week.

Four different bands, all directed by T. W. Thorson, will play, including the Crookston High School, Juvenile, and Municipal, and the Ninth District American Legion Bands.

Several choruses and other groups appear at the various meetings.

PROGRAM

MONDAY, FEBRUARY 8

- 8:30 Livestock Judging Contests—Livestock Pavilion Judging Arena.
9:00 Farm Crops Judging Contest—Crops Exhibit Room.
9:00 Judging Potato and Onion Exhibits—Crops Exhibit Room.
*9:00 Judging Grain and Corn Exhibits—Livestock Pavilion, first floor.
9:00 Judging Poultry Exhibits—Annex B, second floor.

MONDAY AFTERNOON

- 1:30 Judging Livestock Exhibits—Livestock Pavilion Judging Arena.
5:30 Dinner Meeting of members of judging teams, junior exhibitors, and judges. Winners in the contests will be announced. Crookston Hotel.

MONDAY EVENING

- A. A. Dowell, Superintendent, Northwest School of Agriculture, Presiding
7:30 Music—Crookston Municipal Band, T. W. Thorson, Director.
8:00 Announcements.
8:10 Music by the University of North Dakota Music Department.
Professor John E. Howard, Violinist.
Mrs. Carol Miles Humpstone, Contralto.
Mrs. John E. Howard, Accompanist.
8:40 Address—"An Unofficial Observer"—Dean Ralph Dennis, Northwestern University, Evanston.

NOTE:—See the Livestock, Poultry, Farm Crops and Pure Seed Shows, the Industrial Exhibit, and the different educational displays. They are worthy of your interest.

* Crops Judging begins 9:00 A. M., Sunday, February 7.

TUESDAY, FEBRUARY 9

- 9:00 Judging Livestock Exhibits—Livestock Pavilion.
9:00 Judging Poultry Show—Annex B, Second Floor.

Meetings

- 10:30 Farm Crops Meeting—Main Hall, Armory.
Ole Flaatt, Presiding.
"Does It Pay to Produce Clean Grain?"
H. K. Wilson.
10:30 Women's Meeting—See program on page 13.
12:00 Luncheon Meeting of the Red River Valley Crops and Soils Association at Crookston Hotel.

TUESDAY AFTERNOON

- 1:30 General Meeting—Main Hall, Armory.
R. S. Dunham, Presiding.
Music—Northwest School Boys' Glee Club, directed by Mrs. Roy Hollander.

"Suggestions to Farmers and Pure Seed Growers"
—W. L. Cavert.

"The Grasshopper Outlook for 1932"
A. G. Ruggles.

"Progress in Developing Better Varieties of Potatoes in the Red River Valley"—F. A. Krantz.

- 1:40 Women's Meeting—See program on page 13.
2:30 Poultry Culling Demonstration, Poultry Room
—A. M. Pilkey.
6:00 County Agent dinner meeting at Hotel Crookston.

TUESDAY EVENING

- Dean W. C. Coffey, University of Minnesota, Presiding
7:15 Minnesota Ninth District American Legion Band—
T. W. Thorson, Director.
8:15 Music—
"Sylvia" by Oley Speaks
"The Bells of St. Mary's" by Adams
"Under the Silver Star"—Cuban Tune, arrangement
by Loomis.
Business and Professional Women's Glee Club
Mrs. O. E. Locken, Director.
Miss Beth Balfour, Accompanist.
8:40 Address — "A Legitimate Nationalism" — Bishop
Edwin H. Hughes, Chicago.

NOTE:—See the Livestock, Poultry, Farm Crops and Pure Seed Shows, the Industrial Exhibit, and the different educational displays. They are worthy of your interest.

WEDNESDAY, FEBRUARY 10

- 10:00 Awarding Championships—Livestock Pavilion.
Presenting Silver Trophies to Winners—
Superintendent A. A. Dowell.
10:30 Women's Meeting—See program on Page 14.
10:30 Livestock Meeting—Main Hall, Armory.
O. M. Kiser, Presiding.
"The Right Kind of Sheep for the Red River Valley"—Don W. Johnson.

WEDNESDAY AFTERNOON

- 1:30 Livestock Meeting—Main Hall, Armory.
C. L. McNelly, Presiding.
Music—Crookston High School Instrumental Ensemble—T. W. Thorson, Director.
"Problems Confronting Dairy Producers of the Red River Valley"—H. R. Searles.
"Facing the Present Situation"—
Dean W. C. Coffey.
"Russian Agriculture"—H. G. Zavoral.
1:30 4-H Club Livestock Showmanship Contests—
Livestock Pavilion.
1:40 Women's Meeting—See Program on Page 14.
2:30 Selecting Breeding Stock, Poultry Room,
George W. Hackett.
3:30 Breed Association and Sectional Meetings:
Red River Valley Holstein Breeders' Association—
Gymnasium room, down stairs, Armory—
A. R. Knutson, Secretary.

WEDNESDAY EVENING

- Dr. O. J. Hagen, Member of University Board of Regents,
Presiding
7:30 Music—Crookston Juvenile Band—T. W. Thorson,
Director.
8:00 "On Wings of Song"—Mendelssohn
"The Big Brown Bear"—Mana-Zucca
By Orpheus Sextette:—Mesdames Roy Semington,
N. A. Thorson, Mark Hegg, R. H. McFarlin.
John Hougen, and Miss Margaret Fylling.
Mrs. E. B. Canan, Director. Miss Beth Balfour,
Accompanist.
8:30 Address—"The Lengthening Shadow of George
Washington"—Dean James C. Lawrence, University
of Minnesota.

NOTE:—See the Livestock, Poultry, Farm Crops and Pure Seed Shows, the Industrial Exhibit, and the different educational displays. They are worthy of your interest.

THURSDAY, FEBRUARY 11

- 9:15 4-H Dairy Judging and Demonstration Team Contests—Livestock Pavilion.
10:00 Meeting of the Red River Valley Dairymen's Association directors—Crookston Hotel.
10:30 Agricultural Meeting—Main Hall, Armory.
T. M. McCall, Presiding.
"The Sugar Beet Situation"—J. B. Bingham.
"Finding New Outlets for Honey and Beeswax"—
Sisters of Mt. St. Benedict.
"Outdoor vs. Indoor Summer Stands for Bees"—
David Sanders.
10:30 Women's Meeting—See Program on Page 15.
11:00 Annual Business Meeting of the Red River Valley Livestock Association—Gymnasium Room, down stairs, Armory. Stockholders' Meeting to be followed by Directors' Meeting.

THURSDAY AFTERNOON

- 1:00 Northern Minnesota Poultry Association Annual Meeting.
1:30 Combined Men's and Women's Meeting—Main Hall, Armory.
Mr. L. Jensen, President, Clearwater County Unit, Minnesota Dairy Council, Presiding.
Program presented under the auspices of the Polk and Clearwater County Units of the Minnesota Dairy Council, with T. T. Bacheller, Jr., Minnesota Dairy Council, and Miss Margaret Hensler, Twin City Dairy Council, in charge.
1:30 Regional Conference of the League of Minnesota Municipalities—City Hall. J. L. Fitzgerald, Alexandria, President. M. B. Lambie, Minneapolis, Secretary.
1:30 Holstein Cattle Sale—Livestock Pavilion.
1:30 Women Meet in Armory for Minnesota Dairy Council Program.
2:00 Bee Keepers' Meeting—Room A, Down Stairs, Armory.
P. N. Tri, Presiding.
"Identification and Treatment for Common Bee Diseases"—M. C. Tanquary.
Discussions:—
"Minnesota System of Apiary Inspection"—
M. C. Tanquary, Leader.
"Latest Styles in Wintering Bees"—
P. N. Tri, Leader.
"Summer Management Problems"—
M. C. Tanquary.
2:30 4-H Leaders' Conference, Room B, Armory.
2:30 Poultry Demonstration, Poultry Room—
A. M. Pilkey.
4:00 Red River Valley Development Association Annual Business Meeting—Crookston Association Room.

THURSDAY EVENING

- Arnold Gloor, Superintendent, Crookston Public Schools,
Presiding
7:30 Music—Crookston High School Band—
T. W. Thorson, Director.
8:00 Selections—Northwest School Boys' Quartet—
Mrs. Roy Hollander, Director.
8:30 Address—Governor Floyd B. Olson, State of
Minnesota.

FRIDAY, FEBRUARY 12

- 10:00 Red River Valley Rural School Spelling Contest—
Miss Cynthia Weinberger, in charge. Crookston
High School.
10:30 4-H Demonstration—Livestock Pavilion.
10:30 Women's Meeting—See Program on Page 15.
10:30 Poultry Meeting—Main Hall, Armory.
A. M. Pilkey, Presiding.
"The Work of the Minnesota Poultry Improvement Board"—W. K. Dyer.
12:00 Luncheon Meeting of Board of Managers of the
Red River Valley Winter Shows—Crookston
Hotel.

FRIDAY AFTERNOON

- 1:30 4-H Club Demonstrations—Livestock Pavilion.
 1:40 Women's Meeting—See Program on Page 15.
 1:45 Rehearsal Program by the Northwestern Minnesota Singers' Association. Admission 25c. Armory.
 2:30 Poultry Culling Demonstration, Poultry Room—A. M. Pilkey.
 4:30 Seventeenth Annual Red River Valley Spelldown—Central High School Assembly Room.
 5:00 Northwestern Minnesota Singers' Association Banquet—Hotel Crookston.

FRIDAY EVENING

- H. C. Jordahl, McIntosh, President of Northwestern Minnesota Singers' Association, Presiding
 8:15 Eleventh Annual Song Festival of the Northwestern Minnesota Singers' Association. Member Choruses are Beltrami, Clearbrook, Crookston, East Grand Forks, Erskine, Fertile, Fisher-Bygland, Gonvick, Halstad, McIntosh, Mentor and Winger.

Intermission

Announcing winners of Red River Valley Rural School Spelling contest.

WOMEN'S MEETINGS

The women's meetings begin Tuesday forenoon and continue through Friday. All meetings, except Thursday afternoon, will be held in the Presbyterian Church. The Thursday afternoon program will be held in the Armory. At 1:45 P. M. Friday, the Northwestern Minnesota Singers will give a rehearsal program in the Armory. Admission twenty-five cents. Those who cannot remain for the evening program should avail themselves of this opportunity to hear them.

Ladies' Rest Room—The committee representing six women's organizations of Crookston has arranged for the use of the Public Rest Room under the Polk County State Bank for the convenience of visiting ladies. This rest room will be adequately equipped and in charge of a reception committee each day.

Rest Room at Armory—The room at the right of the hallway in the Armory has been reserved for the use of the ladies during the week.

PROGRAM

TUESDAY FORENOON

Miss Retta Bede, in charge

- 10:30 "Low Cost Adequate Meals"—Miss Alice Biester.

TUESDAY AFTERNOON

Mrs. Henry Welte, Presiding.

- 1:40 Organ—Miss Rose C. Polski.
 2:00 "Food in the Maintenance and Restoration of Health"—Miss Alice Biester.
 2:50 Music—Central High School Girls' Glee Club—T. W. Thorson, Director.
 3:05 Reading—Miss Cynthia Weinberger.
 3:15 "Personal Experiences in Russia"—Mr. H. G. Zavoral.

Hostesses—Mrs. R. F. Quaintance, Chairman; Mesdames W. E. Fuller, J. E. Madden, Edson Washburn, Arthur Kahala, Joseph Houske, James Driscoll, Miner Helgeson, Earl Olsen, Arnold Hovland, A. M. Graves, and N. F. Bartholome.

A Reception Committee from the Matron's Club will be in charge on Tuesday.

WEDNESDAY FORENOON

Miss Fanny B. Lippitt, in charge.

- 10:30 "My Experiences in South America"—Miss Margery Low.

WEDNESDAY AFTERNOON

Mrs. C. Merriam Stephens, Presiding.

- 1:40 Organ—Mrs. O. E. Locken.

Early American Program

Presented under the auspices of the Polk county Federated Women's Clubs—Mrs. C. Merriam Stephens, Crookston, President; Mrs. D. A. Law, Beltrami, first Vice President; Mrs. Lawrence Samuelson, Eldred, second Vice President; Mrs. Edgar Masee, East Grand Forks, third Vice President; Mrs. E. H. Cormontan, Fosston, Treasurer; and Mrs. Lew Hancock, Crookston, Secretary.

- 2:00 Address—"Colonial and Revolutionary Life"—Dr. J. G. Parsons.
 2:30 Special Music—Mrs. Roy W. Hollander, and Misses Rose Polski and Grace Warne—Northwest School Music Faculty.
 2:45 Paderewski's Minuet in G—Presented by twelve girls in Colonial Costume under the direction of Mrs. Verle Deach. Group composed of Helen Larson, Ethel Mortenson, Jean Newberry, Marion Jebe, June Francis, Ardith Akre, Lois Knudtson, Gertrude Blair, Margaret Fosmark, Florence Bang, Irene Marotte, and Maxine Daniels.
 3:00 One Act Play—"Quality Street" by Barry—Presented by members of the Crookston Woman's Club, under the direction of Mrs. R. J. Christgau. Members of Cast: Mesdames Otto Eickhof, J. J. Laughlin, T. M. McCall, C. E. Smith, F. W. Johnson, and Miss Lark Donald.

EXHIBIT—Articles dealing with the Early American period will be on display in the basement of the Presbyterian Church. Exhibit Committee: Mesdames Ralph Lyeon, Chairman; M. O. Oppegaard, J. A. McLean, A. E. Lucian, Estelle Smith, and Paul Hagen. The Crookston Chapter of the D. A. R. is cooperating with the Exhibit Committee.

Hostesses—Mrs. T. L. Stickney, Chairman; Mesdames Harold Chapin, J. H. Brendal, R. A. Broad, O. M. Kiser, H. M. Femrite, Clyde Kudrle, F. H. Ross, Paul Engelstad, O. M. Kasberg, Odd Eide, A. E. Morck, Allen McKinnon, and C. M. Pesek.

A Reception Committee from the Current Events Club of Crookston will be in charge on Wednesday.

THURSDAY FORENOON

Miss Elsie Mae Kingston, in charge.

- 10:30 "Adventures in the Frozen North"—Dr. Maurice C. Tanquary.

THURSDAY AFTERNOON

- 1:30 Combined Men's and Women's Meeting—Main Hall, Armory, Mr. L. Jensen, President, Clearwater County Unit, Minnesota Dairy Council, Presiding.

Program presented under the auspices of the Polk and Clearwater County Units of the Minnesota Dairy Council, with T. T. Bacheller, Jr., Minnesota Dairy Council, and Miss Margaret Hensler, Twin City Dairy Council, in charge.

Hostesses—Mrs. R. H. McFarlin, Chairman; Mesdames C. E. Peck, Oscar Johnson, Mickle Bang, R. M. Vordale, N. P. Stenshoel, Theodore Garvik, H. T. Gendron, Sam E. Hunt, W. H. Hollands, John Vigen, F. A. Grady, and R. H. Balfour.

A Reception Committee from the Legion Auxiliary of Crookston will be in charge on Thursday.

FRIDAY FORENOON

Miss Fanny B. Lippitt, in charge.

10:30 "What We Still Live By"—Miss M. Beatrice Johnstone.

FRIDAY AFTERNOON

Mrs. Alexander Fosmark, Presiding.

- 1:40 Organ—Mrs. C. Merriam Stephens.
 2:00 "The Changing Status of Women"—Miss M. Beatrice Johnstone.
 2:50 Reading—Miss Leona Hines.
 3:05 Music—Northwest School Boys' Quartette, directed by Mrs. Roy Hollander.
 3:15 One-act Play "The King's English"—Presented by Students of the Northwest School under the direction of Miss Cynthia Weinberger.

Hostesses—Mrs. R. T. Buckler, Chairman; Mesdames E. E. Green, C. F. Musselman, P. L. Anderson, S. V. Holder, H. A. Pflughoeft, Chris Gorder, P. E. Moen, John Perry, Peder Ofstedal, H. C. Jordahl, George Beito, Norman C. Schreiter.

A Reception Committee from the Woman's Club of Crookston will be in charge on Friday.

BOYS' AND GIRLS' CLUB PROGRAM

MONDAY, FEBRUARY 8

- Registration.
 8:30 General Livestock Judging Contest.
 11:30 Assembly—Room B, Armory.
 1:30 Judging Livestock Exhibits—Livestock Pavilion.
 5:30 Banquet—secure tickets from H. A. Pflughoeft.
 7:30 Armory—secure tickets.

TUESDAY, FEBRUARY 9

- 9:15 Assembly — Announcements. Room B. Armory.
 9:20-10:00 Are We 3-H Club Members?—T. A. Erickson. Room B. Armory.
 1:30 Judging 4-H Club Livestock—Livestock Pavilion.
 7:30 Games and Recreation—N. W. School Gymnasium.

WEDNESDAY, FEBRUARY 10

- 9:15- 9:55 Some Problems of Selection and Feeding of 4-H Beef Calves—by Don Johnson—Livestock Pavilion.
 10:00-10:30 Presenting Silver Trophies—Livestock Pavilion.

- 10:35-11:10 Timely Hints for 4-H Pig Club Members—H. G. Zavoral, Livestock Pavilion.
 11:10-12:00 Preparing Beef and Dairy Calves for Showmanship Contest.
 1:30- 2:30 Beef and Dairy Calf Showmanship Contest—Livestock Pavilion.
 2:40- 3:20 Sheep Showmanship Contest—Livestock Pavilion.
 3:25- 4:00 What Should Be Our Goal in Dairy Calf Club Work?—H. R. Searles.
 7:30 George Washington Program—By Northwest School 4-H Club at Northwest School.

THURSDAY, FEBRUARY 11

- 9:00 Assembly—Room B. Armory.
 9:15 4-H Dairy Judging Contest—Livestock Pavilion.
 9:30 4-H Dairy Demonstration Team Contest—Livestock Pavilion.
 11:15 4-H Dairy Demonstration—To be announced. Livestock Pavilion.
 1:30 Assembly—Announcements. Room B. Armory
 2:30- 4:00 Leaders' Conference—T. A. Erickson. Room B. Armory.
 7:30 Armory.

FRIDAY, FEBRUARY 12

- 9:30 Assembly—Room B. Armory.
 10:30-11:15 4-H Demonstration. To be announced. Livestock Pavilion.
 11:15-12:00 Contest. Fitting a Baby Beef for the Show Ring—Livestock Pavilion.
 1:30 Northwestern Minnesota Singers' Association—Auditorium.
 1:30- 2:15 Blocking a Sheep. Donald Toomey—Livestock Pavilion.
 2:20- 3:00 Hog Showmanship. Livestock Pavilion.
 3:10- 3:15 How I Feed and Manage My Flock of Sheep. Lawrence Ward.



DEAN JAMES C. LAWRENCE

One of the most forceful speakers in the Northwest, will speak Wednesday evening, February 10

ALUMNI MEET DURING WINTER SHOWS

(Continued from Page 1)

building. This is an annual affair in which Seniors and Advanced students will join the alumni for the evening dance.

COMING EVENTS

January 30—School Operetta.
February 5-6 — Basketball at Grand Rapids.
February 8-12—Winter Shows.
February 20—Declamatory Contest.
February 27—Basketball—St. Paul here.
March 4-5—Basketball — Morris here.
March 11-12—Inter-school Debate.
March 18-24 — Commencement Week.

OPERETTA TO DRAW LARGE CROWD

(Continued from Page 1)

Mrs. Weekly, Patient in Sanitarium—Carrie Buck.
Mrs. Crossly, Patient in Sanitarium—Olive Heegard.
Doctor Slaughter—Doctor at Sanitarium—Edwin Myers.
Doctor Cuttem, Doctor at Sanitarium—Clinton Donley.
Doctor Coffin, Doctor at Sanitarium—Arnold Iverson.
Rainbow, Colored servant at Sanitarium—Wendell Washburn.
Bessie, Maid at Sanitarium—Frances McKibbin.
Honor, Pretending to be Glory Drinkwater—Virginia Harding.
Madam Chere, Her Mother—Vivian Sullivan.
Glory Drinkwater, Doctor Drinkwater's Granddaughter—Arlene Hill.
Pancho, Mexican cowboy—Helmer Nornes.
Philip, Young ranch owner—Lowell Ryden.
Jim, from Philip's ranch—Edwin Widseth.
Old Timer, from Philip's ranch—Clarence Peterson.
Bob, Glory's fiance—Russell Knudtson.
Cynthia, his cousin—Edna Sorenson.
Manuel, Mexican Rustler—Allan Hoff.
Choruses of doctors, patients, nurses, visitors, cowboys, Spanish girls and boys, and Mexicans will add color to the operetta which is expected to surpass all previous efforts. Alumni, former students and friends are cordially invited to attend. The program will open at 8:00 P. M. Admission, fifty cents.

STATION OFFERS PURE SEED

Yield per acre is of primary importance in this period of low grain prices, according to R. S. Dunham, State Agronomist. Acre costs of production do not vary widely whether the crop yields well or little provided no extravagant methods are used to produce

high yields. The opportunity of making a fair return for land and labor, however, depends largely upon yields. Whether 4000 bushels of oats are produced on 100 acres or 40 acres may make a tremendous difference in the profit received.

Oats, moreover, is a crop difficult to produce at any profit under present prices. On some farms an increased yield of this crop may be obtained inexpensively by planting a better variety. In the varietal trials at the Northwest Station in 1930, Anthony oats yielded 31.2 bushels more per acre than the 20th Century oats. Anthony sold



DEAN RALPH DENNIS

Famous Lecturer and Reader from Northwestern University, who will speak Monday evening, February 8

for 60 cents a bushel and the 20th Century from \$5.00 to \$10.00 a bushel. In the same trials Anthony yielded 14.6 bushels more than Russian Green; 10.3 bushels more than Gopher; and 5.1 bushels more than Victory.

Anthony is a mid-season variety, with large kernels. The straw is about equal in length to that of Victory. It is highly resistant to stem rust but susceptible to smut for which it should be treated with formaldehyde or Ceresan.

The Northwest Station has a select lot of seed this year for sale at 60 cents a bushel. The seed weighs 38 lbs. per bushel, is 99.7 per cent pure, and germinates 98 per cent. A trace of wheat is the only admixture.

RED RIVER AGGIE

Alumni and former students may secure copies of the 1932 Red River Aggie by writing to Kermit Greenley, Business Manager. The price of the book will be \$2.00 per copy.

WINTER SHOWS PROGRAM ANNOUNCED OVER RADIO

Superintendent A. A. Dowell has been invited to speak at the Manitoba Dairymen's Convention, which will be held in Winnipeg on February 2, 3, and 4. While in Winnipeg, Mr. Dowell will extend a brief greeting to farmers in Manitoba over Station CKY and also make some Winter Shows announcements at that time. The radio address is scheduled to take place between 12:50 and 1:00 P. M. Wednesday, February 3. Mr. Dowell has a wide acquaintance in western Canada, where he served as Chief of the Animal Husbandry department of the University of Alberta for several years.

Other Winter Shows radio announcements include one minute statements over WDAY Fargo each week day between 12:30 and 1:30 from January 25 to February 6.

On January 31 Superintendent Dowell will also give a ten minute Winter Shows talk over WDAY Fargo between 3:00 and 4:00 P. M. as a part of the Band program to be presented by the Crookston Municipal band.

PERSONALS

Word has just been received of the marriage of Rose Kozojed '25 and Louis Simik, which occurred on June 13, 1931. Mr. and Mrs. Simik are making their home at 2717 S. Avers Avenue, Chicago.

Mr. D. H. LaVoi, former athletic coach and asst. Animal husbandman, was a visitor on the Campus during the Holidays. Mr. LaVoi is now connected with the Michigan Agricultural college as Livestock Extension specialist.

Mr and Mrs. Harold Grandy (Harold '15, Blanche Morrison '16) have moved from Detroit to 1808 Roseland Avenue, Northwood, Royal Oak, Michigan.

Richard and Arnold Aakre spent the Holidays at their home in Thief River Falls. Richard '22 is an instructor in the Alborn High school, and Arnold '27 is attending the University of Minnesota.

Bennie '27 and William Strickler '30 of Euclid purchased a prize Aberdeen Angus bull, Burgess Glenearnock the 13th, at the International Livestock exposition, which Bennie attended. The owners expect to exhibit this bull at the 1932 Winter Shows.

Donald Holmes '31 is attending the Iowa State College at Ames.

Ruby Hanson '27 has been transferred from Crookston to the Fargo office of the Singer Sewing Machine company.

Alice Parnow '26 has recently accepted a position at St. Luke's Hospital, Thief River Falls. Alice has been employed as nurse in the University Hospital at Ann Arbor, Michigan for the past two years.

Melvin Burk '28 writes from 129 Newell Street, Woodstock, Illinois that he is employed as inspector by the Alemite Dyeing and Manufacturing company. Melvin is actively engaged in church work, and is Deputy Lone Scout commissioner of the Beloit area council.