

# THE NORTHWEST MONTHLY



Published Monthly by the Northwest School of Agriculture of the University of Minnesota, Crookston. Entered as second class matter December 2, 1916, at the Post Office at Crookston, Minnesota, under the Act of August 24, 1912.

VOL. VII.

CROOKSTON, MINNESOTA, OCT.-NOV., 1923.

NOS. 11-12.

## Dairymen Celebrate 20th Anniversary HOME COMING DAY, NOVEMBER 21.

The twentieth anniversary meeting of the Red River Valley Dairymen's association will be held at Crookston on November 21 and 22. Elaborate plans are under way to make this an outstanding event. A pageant depicting the progress in dairying during the past twenty years in the Red River Valley will be a feature of the evening program on November 21. On the 22nd the anniversary luncheon will be held at the Northwest School of Agriculture, in response to a request made by the officers of the association to enable the members to visit the Northwest School and Station on one of the convention days.

November 21 has also been named as Northwest School Home-Coming Day, so it is expected that there will be a good attendance of former graduates and students of the Northwest School.

On November 22, the annual home project exhibit will be held at the school. This will probably be staged

in the cafeteria room in the school dining hall.

The twentieth anniversary pageant includes 165 people. It is given under the auspices of the Northwest School of Agriculture, Crookston Public Schools, Crookston Business and Professional Women's Club and the Northwest Experiment Station. The pageant was written for the occasion by Superintendent C. G. Selvig, collaborating with pioneer settlers in the Red River Valley and charter members of the Red River Valley Dairymen's association.

A moving picture concern will send its representative to Crookston on the 20th and 21st, in order to film the most interesting scenes of the pageant.

A large number are expected to attend the meetings of the Red River Valley Dairymen's association. Important topics of concern to the dairying interests in this section of the state will be discussed.

### MANY CALLS FOR SPEAKERS AT FARM CLUB MEETINGS

The Northwest School and Station staff are being invited to attend farm club and community meetings in this section of the state to a greater extent this fall than during the past two years. This indicates a revival of interest in current agriculture and community problems. R. S. Dunham, O. M. Kiser, T. M. McCall, A. H. Larson, and Miss Fanny B. Lippitt and Supt. Selvig have attended several meetings each. At some of the meetings Misses Bothne, Dokken and Simley have given a musical and literary program.

Other clubs desirous of securing the services of the members of the staff are invited to get in touch with the school regarding this matter.

### BASKETBALL PROSPECTS BRIGHT

The basketball practice began November 12, after the close of the football season. A large squad has reported to Coach LaVoi so that he will have a large number from which to select the first team. Mr. LaVoi will keep at least 12 men on the first squad and expects to have as many working on the second team. James Hanson, Iver Johnson and Melvin Eldsmoe were

members of last year's team and are expected to make a good showing in their old places again. The first game will be played December 15, while the games on the regular schedule will come after the holidays.

In order that all interested in basketball may have an opportunity to practice and at least learn the game, each class in school will be represented by a team. Considerable rivalry is shown among classes for the school championship. The seniors won in their junior year and are working hard to duplicate their victory again this year.

### PENNINGTON COUNTY WILL HOLD SHOW

Theo. M. Thronson, F. J. Stebbins, C. D. Gustafson, I. T. Simley and Olaf Neset, of the board of managers of the Pennington County Crop and Poultry Show were visitors at the Northwest School campus on October 19. They made arrangements while here to secure judges for the crop and potato divisions of the show and also to secure speakers for their meetings.

Superintendent Selvig, Mr. McCall and Mr. Dunham will attend the show and meetings. Thief River Falls is making extensive plans for a successful show and meetings.

### WINTER TERM OPENS

JANUARY 2

The attendance for the first term exceeded all expectations and has been considerably larger than for the first term last year. More girls are in attendance than during any previous year. As expected, the music courses have proved very popular with over fifty students availing themselves of the opportunity to take private music lessons in voice or piano.

The favorable fall weather kept many away because of pressing farm work that could be completed. Many others were short of funds. It will be possible for additional students to come for the second term.

New students will register January 2, while all classes will begin January 3. Students may reserve room at any time now for the second term. The school catalog and other material regarding the work offered is available upon request.

### HOME PROJECT SHOW.

The third annual home project exhibit of the Northwest School has been scheduled for November 21, when the results of students' summer work will be featured in a display of products made in the home or grown on the farm. This year's show will be held in the exhibit room of the Kiehle Building, and will be of interest to all who visit the school during the Dairymen's convention, as well as to the student body. Designing and sewing, baking, preserving and canning of fruits and vegetables, and planning of house furnishings will be featured in the girls' exhibits, which will greatly outnumber those of all previous seasons. Boys completing the corn project will show fifty ear samples of the work, and each potato and grain project will be represented likewise by exhibits of these crops. In addition to the regular project classes, interesting displays of corn, grains, and potatoes, will be furnished by students and alumni, for the purpose of illustrating the improved types and grades of crops which are being grown in various sections of the valley. Talks on variety types and judging standards will be given by members of the faculty to emphasize points brought out by the exhibits.

### ARMISTICE DAY OBSERVANCE

Armistice Day was observed by appropriate exercises Sunday afternoon, November 11. Fitting tribute was paid the 168 boys from the school who were in the service, and to the eight who lost their lives. R. R. Hedtke, Crookston, gave the principal address of the day and spoke on the

N. W. SCHOOL HOMECOMING DAY, NOVEMBER 21.

patriotism of tomorrow. Mr. Hedtke pointed out the ideals of character and love of country shown by the American soldiers and urged that the ideals held by the boys during the war should become the ideals of everyone during the days of peace.

A. H. Larson, of the faculty, gave the eulogy to the Northwest School boys who died in service. In his remarks he paid tribute to their cheerfulness, their unselfishness, determination and to the spirit of democracy so worthily and heroically exhibited. Music for the afternoon was furnished by Miss Lucille Dokken, Miss Agnes Bothne and the school chorus.

After the program in the auditorium, the audience marched to the Memorial with the American Legion escort. A floral wreath was placed on the monument by Arnie Solem, president of the senior class, who also gave a short eulogy. The military salute and taps were given by the Legion escort.

#### LECTURE COURSE PRESENTS STRONG ATTRACTIONS

An unusually strong lecture course has been arranged for the school year. The first number was Edwin Brush, the noted magician, who kept the audience in suspense for two hours with his tricks and sleight-of-hand performances. Mr. Brush is recognized as one of the best performers in that line of entertainment. On December 1, the Playmakers of North Dakota University will stage the play, "Dover Road," in the auditorium. Mr. Carter, the celebrated cartoonist, will appear December 8. The men's glee club of the University of North Dakota will give their concert in January, while the Ambassador Male Quartette are scheduled for March.

Three other numbers from the University of Minnesota School of Music will be at the school during the year. On November 26, Miss Gertrude Hull, celebrated soprano, will appear in a recital, while Carl Scheurer, violinist, and William Lindsay, pianist, will come later in the school year.

#### ASSEMBLY EXERCISES

Three periods of each week are set aside for assembly exercises. On Thursday forenoons a public speaking program is given under the direction of Miss Cenfield, of the English department. On Saturdays the period is given over to some speaker or to special music. Thus far this year those who have spoken in assembly have been A. D. Stephens and Dr. H. W. Remele, Crookston; Dr. L. W. Miller, University of Wisconsin; A. U. Morell, landscape architect of Minneapolis; E. R. Clark and Supt. C. G. Selvig of the faculty. On Thursdays it is planned to show educational slides and films.

#### MUCH INTEREST IN PUBLIC SPEAKING

One of the special advantages open to students of the Northwest School is the opportunity afforded to secure practice in public speaking. Students become familiar with appearing be-

fore an audience as well as in conducting the meeting itself. Public speaking is taught in the English classes, in the debating class, through public speaking programs, and in the literary societies. On alternate Monday evenings each class gives the program, under the direction of Miss Simley, head of the English department. Oration, recitations, character interpretations, plays, debates, music and essays form the greater part of the programs. A cast is already at work for the school play to be given the afternoon of Thanksgiving Day. Another play will be presented after Christmas. Many of the students will also take part in the pageant to be given in connection with the Dairymen's convention on November 21.

It is also planned to have teams representing the school in the triangular debates with Morris and Fargo Schools of Agriculture. E. W. Avery will coach the debate teams this year.

The intersociety debates will be held December 17, and a large number from each society are in the tryouts.

#### TWIN CITY ALUMNI REUNION

A very enjoyable reunion of Northwest School folks living in the Twin Cities was held November 2, in the Men's Union of the University. Arrangements for the get-together were made by Mr. and Mrs. Bengtson and 19 were in attendance at the banquet. After the dinner an interesting program of toasts was given, with Mr. Bengtson as toastmaster. One feature was having each one give his present occupation and also news of other Northwest School students and faculty. Among those present were Mr. and Mrs. J. P. Bengtson, Martinus Stenseth, Harry Mellick, Amos Kasberg, Helen Selvig, Clarence Cornelius, Lulu Casselman, Miss Bernice Nolan, J. L. Hartney, Harold Morris, A. H. Larson, Milton Warner, Morrill Campion, Mr. and Mrs. Bernard Moses, Willard Johnson and Supt. C. G. Selvig. At the business session of the association Mr. Bengtson was re-elected chairman for another year. It was also suggested that at least one additional reunion be held each year during the spring or early summer.

#### STUDENTS JOIN Y. M.

#### AND Y. W. C. A.

Both the Y. M. and Y. W. C. A. have made a good start for the year with a majority of the students as members. In addition to giving the mixer parties to new students at the beginning of each term, regular meetings are held by both organizations. These meetings include the midweek sessions, the Sunday morning bible classes and the Sunday evening meetings.

One Sunday evening program each month is given by the students and faculty. Sacred music and readings form the larger part of the program. At the first student program, Miss Cenfield will read "The Great Stone Face." Among the speakers from Crookston who have addressed the students are Rev. F. J. Hibbard, of the

Presbyterian church; Rev. F. W. Hill, of the Methodist church; Rev. L. A. Roseland, of the English Lutheran, and Rev. K. R. Stolz of the Congregational church.

The Y. M. C. A. is planning to send a large delegation to the Older Boys' Conference at Grand Forks, November 1-18.

#### MUSEUM PLANS

Plans for the completion of the museum room in the Kiehle building have been made. The room is located in the southwest part of the first floor. It will contain exhibits of grains, grasses, feeds and other material of interest in connection with the work of the experiment station. Each department in school will contribute specimens. When completed the room will show in detail much of the work that is being carried on at the school. The room will also be used to exhibit the annual home project show, as well as other exhibits that will be placed there temporarily during the year.

#### BEST FOOTBALL

#### TEAM IN HISTORY

The football team has made remarkable progress this year and are deserving of much credit. At the beginning of the year, with only three members of last year's team in school, prospects were rather poor for any team at all. Under the tutelage of Mr. LaVoi, one of the best teams in the history of the school has been developed.

The first game was played with Red Lake Falls, October 5, after the boys had had only a three evening's practice. The game resulted in a tie. On October 18 the boys played Warren High and lost, 24 to 6. The defeat was due to inexperience, for during the second half the team outplayed their opponents.

A game that will go down in the history of the school was played with Ada, to a score of 7 to 7. In the fourth quarter, the Aggies held for three downs on the three inch line. The fourth down came after the whistle had blown, but according to the rules the play must be finished. The ball in that play was placed slightly over the goal line, which gave the Ada boys a chance to tie the score.

On October 31 the team defeated the Crookston High School, 13 to 6. On November 3 the team annexed another victory when they defeated Thief River Falls high school, 9 to 6. On November 10 the freshmen team of the University of North Dakota played at the school, which resulted in 39 to 0.

The outstanding players on the team have been Wallace Miller, Roseau, quarterback; Cecil Bergh, Halstad, half-back; Harry Henderson, Halstad, half back. Elmer Miller, Erie, and James Hanson, Twin Valley, have played a strong game at tackle. Iver Johnson, Crookston, fullback, has backed up the team in good shape. So many men have been out this year that much good material has been developed for next year's squad.

### PROGRESS MADE IN BUILDING OPERATIONS AT THE SCHOOL

The alterations in the Owen building at the Northwest School, which have been completed, make it a very well planned and equipped building for farm engineering work. The room formerly used for stock judging is now the farm motors laboratory. Other changes have been made in the mechanics room, blacksmith shop and carpentry shop, which are also located in this building.

The contractors for the new Animal Products building and the beef cattle barn have benefitted greatly by the fine fall weather in carrying on of the construction of these buildings. The brick work for the Animal Products building has been completed. The frame work for the beef cattle barn is completed with the exception of the roof.

The Animal Products building will include stock judging room, meat cutting room, dairy laboratory and milk room. It is located just east of the dairy barn.

The new cattle barn is 36x90. It will have room for a herd of about 40 to 50 beef animals. The silo, which has been built next to the beef cattle barn, will also furnish silage to be used in the steer feeding experiments annually conducted at the station.

### STUDENTS ENJOY SCHOOL EVENTS

The fall term has included many interesting events of a social nature. Few schools make as much effort to maintain as wholesome and pleasant get-togethers as does the Northwest School. The first week was given over to mixers of various kinds, while movies, parties and lecture course numbers have been scheduled for the Saturday night programs.

#### Boys' Pow-Wow.

The Y. M. C. A. was host to all the boys of the school on October 2. The usual hilarious meeting resulted, ending with the "hips" of the snake dance. James Hanson proved to be an exceptionally strong man, while the scramble for apples afforded excellent training for the football players.

#### Girls' Frolic

On the same evening the Y. W. C. A. entertained all the girls of the school. From the smiles and giggles noticed after the meeting, their get-together must have been as successful as that for the boys.

#### Y. M. and Y. W. C. A. Reception

On Saturday evening, October 6, the two associations were sponsors for an all school mixer. Games and stunts were on the program in such a variety that every student met the others several times during the evening. Goodfellowship was in evidence and all present appreciated the excellent school spirit which was in evidence.

### Outdoor Festival

Ideal weather prevailed for the annual outdoor festival. A bountiful supper was prepared over the many individual fires near the tennis court. A noisy, cheering crowd of students participated in the contests following the supper. The freshmen had prepared an immense bonfire in the windbreak, which was the closing event of the evening. Stephen high school's goat was burned and evidently had its effect, for the following Monday forenoon Stephen cancelled the football game scheduled for that week.

### Hallowe'en Party

Hallowe'en was celebrated in an appropriate manner on November 3.

Witches, goblins and ghosts were out in force, terrifying the superstitious ones present. The gymnasium was decorated in a befitting manner and everyone enjoyed the entire evening.

### November 10.

Two parties were scheduled for November 10, with one group meeting in the gymnasium and the other in the auditorium. Whenever a school dance is arranged a party is planned for those who do not dance. Four school dances are permitted during the year, divided with two each term. The other events scheduled for the fall term include the Thanksgiving Day program, two lecture course numbers, two movies and one basketball game.

## Feeding Trials at N. W. Station

### BEEF FEEDING EXPERIMENT

The results secured last winter in the beef feeding experiment were of great importance to those growing sweet clover for feed. In order to secure further information regarding the feeding value of sweet clover a similar experiment was begun November 1, with O. M. Kiser in charge.

The cattle secured for the experiment this year are of a higher quality, show better breeding and are more uniform in size than those used last winter. The steers are all yearlings, averaging in weight at time the experiment started, 688 pounds. There are seven animals in each lot.

The plan of the experiment this year is as follows:

Lot 1, to be fed first cutting alfalfa hay and silage, full feed. Lot 2, to be fed first cutting sweet clover hay and silage, full feed. Lot 3, to be fed first cutting sweet clover hay, full feed. Lot 4, to be fed wild hay, full feed.

Each lot of steers has free access to oat straw placed in racks outside the feeding shed. The others feeds are fed inside.

The sweet clover fed in last year's experiment was second cutting hay of a very good quality and alfalfa hay was of first and second cutting.

First cutting sweet clover hay is more representative of the greatest amount of the hay that is fed throughout the Northwest. For that reason, first cutting sweet clover hay will be used exclusively and in order to make the feeding of alfalfa and sweet clover hay comparable, the alfalfa used in the experiment will also be first cutting.

Wild hay is used very extensively as a winter cattle feed throughout northwestern Minnesota. As there is a vast acreage of wild hay land in this section of the state, this hay has been one of the easy hays to get. There is no question but the large acreage of wild hay and the ease of getting it, has been one of the reasons for many farmers not putting in a part of their farm in to a more value hay crop;

such as alfalfa, red clover or sweet clover.

Wild hay is used in the experiment this year to get definite knowledge of the feeding value of the Northern wild hay as compared to sweet clover and alfalfa. The only hay that a large number of milk cows receive during the winter is the hay cut from land that never grew any other crop than wild hay. While this is an experiment with beef feeding steers, results secured by feeding wild hay to a steer can also be applied to a dairy cow fed the same kind of hay.

The wild hay used in this experiment was shipped in from near Goodridge, Pennington county, and is representative of much of the wild hay fed in the Northwest. This hay is of a good quality. It is not the purpose of the experiment to feed hay that a farmer would discard, but to get in the experiment a fair comparison of the feeding value of these three hays as fed in wintering ration for feeder steers.

The steers in lot 4, now, after two weeks of the experiment, eat the wild hay as readily as the hay is eaten in any of the other lots. Only after time and the keeping of careful records can conclusions be drawn regarding the feeding value of any feed.

The comparison that will be watched in the experiment are:

First, to test the feeding value of first cutting sweet clover with first cutting alfalfa.

Second, to compare the feeding of sweet clover hay with full feed silage and sweet clover feeding without silage.

Third, to determine the feeding value of wild hay and sweet clover.

Any feeding experiment conducted at the Northwest Station has as its main object the practical value to farmers living in the Northwest. It is to be hoped that interested farmers will visit the station during the winter months and watch the different stages of the feeding experiment.

# THE NORTHWEST MONTHLY

Issued Monthly by  
**THE UNIVERSITY OF MINNESOTA**  
**NORTHWEST SCHOOL OF**  
**AGRICULTURE**  
 C. G. SELVIG, Superintendent

OFFICE  
 Northwest Experiment Station,  
 Crookston, Minnesota

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

## SOUND AND CREATIVE

"Sound and creative."

In these words Sinclair Lewis characterizes and describes the schools of Agriculture in Minnesota, of which the Northwest School is one. This appeared in a recent article which is one of a series entitled "These United States," which is being printed by an eastern magazine.

The article is written in the style and vein which mark the author's books, "Main Street" and "Babbitt," but there is naught of cynicism or sarcasm or exaggeration in his plain statement that Minnesota has a scientific body of farmers and that "the agricultural school of the huge university of Minnesota is sound and creative." There is nothing stereotyped about the Lewis writeup of "Minnesota, the Norse State." It is not a more or less tedious statement of the value of our dairy and cereal products and the number of our new schools.

Sinclair Lewis has agreed with the principle whose soundness is borne out by the thousands of graduates from the School of Agriculture at St. Paul, the Northwest School at Crookston, and the West Central School at Morris, who are on the farms "back home" working with their neighbors and their community in progressive farming and broader education. Graduates from the schools of agriculture go back to their homes ready and equipped to take up the burden of leadership in their community and to blaze the trail for better farming.

## McGUIRE EXTOLLS

### AGGIE SCHOOLS

A. J. McGuire, who is at present the manager of the state co-operative creamery marketing association, is also a graduate of the Minnesota School of Agriculture at St. Paul. He recently expressed his sentiments regarding the three state schools of agriculture located at St. Paul, Crookston and Morris.

"This is what I always want to say this time of year to farm boys and girls. Go to an agricultural school. The School of Agriculture at St. Paul and at Crookston and Morris are starting now. I know how splendid these schools are, and I would like to have every farm boy and girl in the state attend them. Some 30 years ago a man told me about the School of Agriculture, and I shall ask God to bless him all my life for that bit of information.

"Some still place small value upon

studying agriculture out of books, and if that was all you got at the School of Agriculture, I would not ask you to go there. But the Schools of Agriculture are big homes where the students live together. You make the best friends of your life there. You learn to know people in a fine way and to get along with them in cooperation. You broaden your outlook on life. You see things in a different light and the things you learn stay with you always and are a source of helpfulness and happiness.

Write to your nearest School of Agriculture and ask for their catalog. It will tell you all about the courses and the cost, etc."

## SEES GREAT FUTURE FOR YOUNG FARMER

Farming should be an attraction for the young man seeking an education at the present time, Dean H. L. Russell, of the Wisconsin College of Agriculture, declared in a statement. The recent unpopularity of farming makes that industry a more enticing field than normal, he said.

"If the young man is looking ahead ten or twenty years, he should seek an agricultural education today," the dean's statement set out. "The shrewd young man, in deciding what business or profession he wants to follow, will be wise not to go with the crowd.

"The last two years have seen more than 1,140,000 persons leave American farms to go to the city, in response to the economic situation that has existed. For the last three years the prices of farm products have been relatively low. "If everybody is employed in the city the increased purchasing power of labor will inevitably result in greater consumption and an enhancement in prices of food products. The farm is sure to share in this improvement. Therefore, now is the time to get ready for such a movement.

"Remember, the United States consumes seven-eighths of all the food she grows. Normally she exports less than one-eighth.

"Just now the unpopularity of farming makes this a more attractive field than normal. Especially so to the youngman who trains himself to do better than the average."

## MUSICIAN ACHIEVES PROMINENCE

Friends of Miss Agnes Bothne, who is in charge of voice section of the music department at the Northwest School, are felicitating her on the remarkable success achieved by her sister, Miss Dikka Bothne, who recently sang before Haakon VII, King of Norway. The occasion was the celebration of the 900th anniversary of the introduction of Christianity to Norway. Miss Bothne sang the solo part in the cantata of St. Olaf, written by John Dahle, of St. Paul, at the old church in Christiana, where Miss Bothne's grandfather had been the leader of song for many years. She has been studying music in Christiana for more than two years. Her sister, who assumed work in music at the Northwest School this fall, is a vocalist of note, who is also looking forward to foreign study. The Bothne sisters are daughters of Dr. Gisle Bothne, of the University of Minnesota.

## POINTERS

Given by Successful Farmers in the Red River Valley

A short time ago Superintendent Selvig was requested by the Minneapolis Journal to answer the question, "If not wheat, what?" In a reply that was limited to 200 words, Mr. Selvig listed twelve points that were applicable in the diversified system of farming for this section of the state. These are:

- 1—Have dairy cows or beef cattle.
- 2—Have a few hogs.
- 3—Have a few sheep.
- 4—Have a good sized flock of chickens.
- 5—Have purebred sires.
- 6—Raise sweet clover for pasture.
- 7—Raise alfalfa for hay.
- 8—Grow corn for feed and fodder.
- 9—Grow some flax.
- 10—Grow a limited acreage of potatoes.
- 11—Grow sugar beets.
- 12—Devote a portion of farm to pure seed production.

In a circular that was distributed widely over the valley last winter, the following was included with reference to corn: "Plan to grow more corn. In one Red River Valley county, the average farm has only two-thirds of an acre of corn per farm. Red River Valley farmers are buying annually large quantities of corn that is shipped in. Why not raise flint or early dent corn?"

"Northwestern Dent corn, with 49.6 bushels of ear corn per acre, has produced the highest average yield of ear corn at the Northwest Experiment Station.

North Dakota White Flint, Pearl Flint and Gehu have produced average yields of from 43 to 48 bushels per acre at the station. They are recommended for ear corn and for hogging off."

Corn is a profitable crop in the Valley. It is yearly assuming a place of greater importance. This year many thousands of bushels have been raised in the Valley counties and will be fed or sold. One concern in Crookston has already purchased nearly 10,000 bushels of ripe corn this fall.

## PERSONALS

Milo Wold, '22, writes from 326 6th Street, Morgan Park, Duluth, that he is working in a steel plant where they make wire netting fence, barbed wire, etc., and finds the work very interesting.

Archie Lee, '23, writes that he is manager for the Sjoborg Bros. store at Salol, Minnesota, and wishes to have the N. W. Monthly reach him there.

Joseph Lundin, and Donald McCrum, '23, are attending high school at Thief River Falls.

(Continued on Page 6)

Address by  
 Minnesota,  
 ing address  
 Judging liv  
 exhibits du  
 ternoon.

Tu  
 evening addr  
 ng, Carleton  
 inging led h  
 ce. Special  
 rops, livesto  
 ca.

RESIDENT

# Northwest School Farmers Week and Red River Valley Shows

FEBRUARY 4, 5, 6, 7, 8. CROOKSTON

Monday, February 4.

Address by Dean W. C. Coffey, University of Minnesota, Department of Agriculture. Evening address by Dr. J. A. Stub, Minneapolis. Judging livestock and farm crops and poultry exhibits during day. Special program in afternoon.



DR. J. A. O. STUB

Tuesday, February 5

Evening address by President Donald J. Cowling, Carleton College, Northfield. Community Singing led by Fred W. Carberry, of Milwaukee. Special programs during the day, farm crops, livestock, poultry and women's meetings.



PRESIDENT DONALD J. COWLING

Wednesday, February 6

Evening address by Hon. Duncan Marshall, Minister of Agriculture, Ottawa, Canada. Community singing. Livestock judging completed. Livestock parade. Women's meeting, also special program for agricultural meetings.



HON. DUNCAN MARSHALL

Thursday, February 7

Evening address by Dr. George E. Vincent or William J. Bryan. Both of these men have been invited to give addresses.



DEAN W. C. COFFEY

Friday, February 8

Northwestern Minnesota Singers association, third annual song program in evening, 150 voices, and address by President L. D. Coffman, University of Minnesota.



PRESIDENT L. D. COFFMAN

### Organizations

The meetings and shows are carried on jointly by the Northwest School of Agriculture, Minnesota Red River Valley Development association, Red River Valley Livestock association, Red River Valley Dairymen's association and Northern Minnesota Poultry association. C. G. Selvig is the General Chairman.



C. G. SELVIG

## Professor Andrew Boss Inspects Valley Corn

INTERESTING DATA REGARDING 1923 CORN CROP

Professor Andrew Boss, chief in agronomy at University Farm, St. Paul, together with Joseph Ball, Superintendent C. G. Selvig, and R. S. Dunham, recently spent a day inspecting corn grown by Polk County farmers. Prof. Boss found a cash market for corn in Crookston, the Crookston Milling Company having purchased nearly 2,000 bushels to date to be ground or crushed and resold for feed in the community. The mill plans to buy 10,000 bushels of locally grown corn and has built a crib and installed a large sheller. Varieties bought have chiefly been Northwestern Dent, North Dakota White Flint, and Minnesota No. 13.

In the warehouse of the International Harvester Company, managed by Walter & William Stone, corn was being received for seed purposes. A special heating room has been built so that the corn may be dried quickly and thoroughly. Varieties received were largely North Dakota White Flint and Minnesota No. 13.

In making a tour of the neighboring country, the farms of Rudolph Myers and Elmer Briden, about four or five miles northeast of Crookston, were visited. Mr. Myers had cribbed about 500 bushels of Minnesota 13—Honey seed—which were in perfect cribbing condition and could be shelled at any time. Mr. Briden had 20 acres of Gehu flint of good quality and thoroughly mature.

At the farm of Mr. Ball on Maple Lake were seen cribs of Sioux Squaw Flint, North Dakota White Flint and Pickaninny sweet corn for seed. Mr. Ball stated that his best Sioux Squaw yielded 40-45 bushels per acre, and his Dakota Flint 60-65 bushels. Both varieties were mature and dry enough for shelling.

Nearby were the farms of Mr. Kolb, who had 16 acres of Minnesota No. 23, Mr. Bennie Skiple, who had some excellent Northwestern Dent, and also an excellent yellow flint that had been grown by Mr. Skiple for a number of years, and Mr. Bratvold, who estimated his yield of Minnesota No. 13 at 40-45 bushels per acre.

To properly understand the conditions it should be stated perhaps that the farms near Mentor are well drained and the soil of a more sandy texture than it is to the west and particularly in the vicinity of Crookston. Some of the farms near Mentor are quite rolling, with some protection given by belts of timber. The land on which corn was grown near Crookston is flat, level, black, and some of it none too well drained.

West of Crookston W. H. Boltman was in his Minnesota No. 13 corn field. The corn was fully matured and dry and of excellent quality. An estimate of the yield was 30-35 bushels per acre. Mr. Boltman made the statement that he had grown this No. 13 for seven

years and that it matured every year. From Mr. Boltman's the party drove south and east of Crookston to the farm of W. C. Newhouse. Mr. Newhouse was just finishing husking an eleven-acre field of No. 13 corn. He estimated he would have from the 11 acres of No. 13 corn, approximately 550 bushels.

Prof. Boss also visited the seed drying house of the Northwest Experiment Station, which was well filled with Northwestern Dent seed corn that was well matured and of good quality. Some Dakota white flint also had been grown and was in storage. The Northwest Experiment Farm has this year grown not only more than enough corn for silage, but a considerable quantity for feed; so much, in fact, that some corn is being sold to the Crookston Milling Company.

The evidence from all sides indicates that an exceptionally good crop of corn has been raised in the vicinity of Crookston this year. There seemed to be little more difficulty in maturing the yellow dent corn than in maturing the flints. Prof. Boss is of the opinion, however, that a flint corn is safer over a period of years than the dents. His opinion is based on the belief that flint corn will germinate at a lower temperature in the spring and that it will stand a cold early season better than the dent corn.

(Continued from Page 4)

Harry W. Baker writes that his present address is Ventura, Iowa.

John Gronner, '22, and Julian Halvorson, '23, Forded over from Fergus Falls and visited friends on the campus in October.

Roger Briden, '22, Crookston, who accidentally shot himself during the hunting season, is fully recovered.

William E. Johnson, '22, Duluth, renewed acquaintances on the campus and accompanied the football team to Warren on October 18.

Mrs. Joe Torkelson (nee Inga Folvick, '22) Stephen, and Della Nyberg, '23, were recent over-Sunday guests.

Thorwal Tunheim, '16, who is editor of the Warren Sheaf, Warren, was an over Sunday guest at the Selvig home.

Mr. and Mrs. Oscar Olson (nee Esther Hanson, '15), Ortonville, announce that Norma Lois came to gladden their home on July 5.

Martinus Stenseth, '16, who is lieutenant in the aviation service of the reserve corps, is stationed with the 88th division headquarters at 400 Kata Bldg., Minneapolis.

Lulu Casselman, '12, is doing nursing work in Minneapolis and is home at 105 6th Avenue So.

Amos Kasberg, '22, 1208 4th Ave. S. E., Minneapolis, is attending the

College of Science, Literature and the Arts.

Bernard Moses, '18, is building motors at the Minneapolis Steam Machinery Company. Mr. and Mrs. Moses live at 2618 31st Avenue South.

Milton Warner, '20, is in the undertaking business. His address is 1825 Chicago Avenue So., Minneapolis.

Morrill Campion, '20, is a sophomore at the College of Agriculture. His address is University Farm, Box 71.

Harold Morris, '18, is a Junior in the Agricultural College. He lives at 2137 Commonwealth Avenue, St. Paul.

Clarence Cornelius, '14, former basketball star, is salesman for shock absorbers. His address is 1319 4th Avenue South.

Harry Mellick, '21, is attending business college in Minneapolis. His address is 1508 3rd Avenue So.

Milton Marmorine, '21, sends greetings from 1512 101st Avenue West, New Duluth.

Thehna Torkelson, '22, is attending the Valley City, N. D., Normal. Her address is 707 Normal Avenue.

Those among the faculty who attended the M. E. A. were C. G. Selvig, A. H. Larson, Mary B. Meade and Fanny B. Lippitt. The two former attended the Twin City N. W. S. A. Alumni re-

union at Minnesota Union on November 2.

The annual meeting of the campus club met at the Selvig home on October 30. The following officers were elected for the ensuing year: Mrs. O. M. Kiser, re-elected president; Mrs. Sophie Nyquist, vice-president; Mrs. A. M. Pilkey, secretary and Miss Edith Hansen, treasurer.

Mrs. Cyril Wengert, Les Vegas, Nevada, who will be remembered as Lottie Ward, who was head of the Domestic Science department in 1920, announces the arrival of a son on August 9.

Mr. and Mrs. J. L. Hartney, 604 2nd St., N. E., Minneapolis, announce the arrival of William Wellworth on October 27.

Mr. and Mrs. Carl Berg, of Warroad, were visitors on the campus on November 7, enroute to Fargo.

Miss Bernice I. Nolan, who is attending Minnesota Agricultural College, is home at 1617 Jefferson Avenue, Minneapolis.

Mrs. C. C. Swain (M. Lucille Holliday), 1107 6th St. S. E., Minneapolis, managed to leave her sons, Thomas Montgomery and Robert Lewis, long enough to attend the Twin City alumni reunion.

Ty  
far-s  
of C  
Rive  
The  
clud  
scho  
buik  
duri  
this  
and  
At  
orga  
the  
gani  
are  
wort  
sok  
of tl  
been

In  
Ac  
May  
Re  
mer.  
Pr  
art  
Se  
ke,  
Tr  
Hen  
Ac  
Dair  
Paul  
Af  
Ac  
Divi  
sity  
Ac  
Wor  
Lea  
Croo  
Mi  
tette  
Add  
W  
er,  
Add  
Re  
Mi  
Ar  
pict  
Rive  
and  
160

Thu

Ad  
vant  
Eggs  
enso  
Ac  
Buil  
bert  
Add  
a  
Se  
11

## Program to be Given at Red River Valley Dairymen's Association Convention at Crookston

**DATES ARE NOVEMBER 21 AND 22, AT CROOKSTON.**

Twenty years ago a little group of far-seeing men met in the city hall of Crookston and organized the Red River Valley Dairymen's association. There were seventeen of them, including one farmer, one Agricultural school worker and 15 city folks. They builded better than they knew for during the 20 years that have elapsed this infant has grown to be a strong and lusty youngster.

At Crookston, the birthplace of the organization, on November 21 and 22, the twentieth anniversary of this organization will be celebrated. Plans are being made to have a celebration worthy of the industry that the association represents and worthy also of the great forward strides that have been made. The program follows:

Wednesday, November 21

City Hall—10:00 o'clock

Invocation, Rev. L. A. Roseland.

Address of Welcome, W. L. Ireland, Mayor.

Response, Marius Waldal, Plummer.

President's Opening Remarks, Stuart McLeod, Goodridge.

Secretary's Report, Leonard Houske, Halstad.

Treasurer's Report, E. E. Thorson, Hendrum.

Address—Hon. Chris Heen, State Dairy and Food Commissioner, St. Paul.

Afternoon session—1:30 o'clock.

Address—Dr. C. H. Eckles, Chief, Division of Dairy Husbandry, University Farm, St. Paul.

Address—Boys' and Girl's Club Work—A. J. Kittelson, Assistant State Leader of Boy's and Girl's Club work, Crookston.

Music—Creamery Operator's Quartette.

Address—"Some Feeding Trials at N. W. Experiment Station," O. M. Kiser, Crookston.

Address—"Alfalfa Campaign in the Red River Valley", C. R. Hutcheson, Minneapolis.

Armory, 8:00 P. M.—Pageant depicting the organization of the Red River Valley Dairymen's association and the progress of dairying, in which 160 to 175 people will take part.

Thursday, November 22—City Hall

10:00 A. M.

Address—"Advantages and Disadvantages of Marketing Poultry and Eggs Through the Creamery," M. Sorenson, Pelican Rapids.

Address—"Making the Creamery Building and Grounds Attractive," Albert Anderson, Erskine.

Address—"Breeding and Grading Up a Profitable Dairy Herd," H. R. Searles, St. Paul.

11:15—Business Session; Selling of

Convention Butter, F. M. Brown, St. Paul.

Anniversary Luncheon will be held in the Northwest School of Agriculture Dining Hall at 12:30 o'clock. C. G. Selvig, Presiding.

Anniversary addresses by T. A. Hoverstad, R. A. Wilkinson, N. J. Holmberg, J. R. Morley, M. J. Cort, L. Jenson, C. H. Eckles, A. J. McGuire, A. O. Storvick, H. N. Owen, C. F. Collisson, Geo. W. Kelley, and others.

### The Pageant,

The historical pageant entitled, "The Pageant of Progress" to be given on Wednesday evening, November 21, will portray the development of dairying in the Red River Valley from the earliest days to now. One hundred sixty-five persons will take part, including part of the student body of the Northwest School of Agriculture, the Crookston Public Schools and a part of the members of the Business and Professional Women's Club. The leading parts are:

Miss Red River Valley, which will be taken by Miss Anna Flekke, who comes from a farm near Thief River Falls. The Spirit of Prosperity, Miss Cora Walters who lives near Crookston and the Spirit of the Earth, Howard Balk who lives on a farm near Bemidji. They are all Northwest School of Agriculture students.

One important episode in this pageant is the exploration of the Red River Valley by Major Stephen H. Long which took place in 1823. He meets Miss Red River Valley upon his travels and a very interesting dialog takes place. She is soon joined by 17 beautiful maidens, each representing a county in the Red River Valley Dairymen's association district. They in turn greet Miss Red River Valley and curtsy to Major Long and his associates.

Next comes the 17 most important agricultural products of the Red River Valley in full vigor of growth and stature. The dairy cow takes the lead in this procession followed by sweet clover, alfalfa and all the others. The spirit of Prosperity descends gracefully to join the assemblage and gives her message.

Later in the pageant a scene is shown depicting the struggles of the early pioneers on these northwestern Minnesota prairies followed by a scene depicting Governor Alexander Ramsey at the time when Minnesota was created a state.

Of especial interest to the Red River Valley Dairymen will be the next episode when M. J. ("Dad") Cort is seen in the actual process of organizing the first cooperative creamery using his persuasive eloquence to get A. K. Strand, who lives near Gary, to sign on the dotted line an order for the first creamery outfit. Both

Mr. Cort and Mr. Strand are along in years but they will be present to take part in this scene.

The pageant then shifts to a contest between wild and tame grasses showing the development and the growth of alfalfa, sweet clover and other feeds in this section of the state as an augury of the future which is in store for the dairying interests here.

Corn plays a part in the next scene with a few scare-crows mixed in for merriment.

The next big episode includes the organization of the Red River Valley Dairymen's association. Professor T. A. Hoverstad, Col. R. A. Wilkinson, Prof. T. L. Haecker, A. J. Glover, M. J. Cort and others will be present in this scene.

This is followed by many other organizations that have grown up in this part of the state for the purpose of assisting in the forward march that is taking place in its agriculture. This includes the Development, Poultry and Livestock associations and the Northwest School and Experiment station.

The pageant closes its two hour program with a grand finale, in which 165 persons take part in presenting one of the most interesting and impressive spectacles ever presented in the state.

### Anniversary Luncheon.

This also bids fair to be an epochal event in the history of Red River Valley Dairying.

It will be held in the Northwest School of Agriculture spacious dining hall. Transportation will be furnished to all. It is expected that there will be at least 400 in attendance. Provision will be made for an overflow luncheon if necessary.

Sperintendent C. G. Selvig has been selected as toastmaster for this event. The speakers will include all the "old timers," who have helped make dairying in this section of state. It is expected that it will be one of the most interesting sessions on record.

### Dairymen's Contests

The usual contests carried on by the Red River Valley Dairymen's association will be closed in time to have the winners announced at one of the sessions of the convention. These contests include butter-making contests, participated in by all the creamery operators, butter-scoring contests will also be held. In addition, there will be contests of dairy farmers with reference to their keeping accurate herd records, the purchase of pure-bred dairy sires and the installation of cream cooling tanks during the year. These important aids to successful dairying have been encouraged by this association for the

(Continued on Page 8)

## Some 1923 Results of Experimental Work in Crops

BY R. S. DUNHAM

Varietal trials with wheat show a four year average of the following: Mindum (an amber durum) 19.9 bu.; Marquis, 15.8 bu.; Kota, 15.5 bu. A comparison of the per cent of rust was made by the U. S. Dept. of Agriculture on twenty-one wheat varieties grown at Crookston. They ranked as follows: Bluestem, 70%; Power Five, 60%; Preston, 60%; Prelude, 60%; Red Bobs, 55%; Kitchener, 50%; Ruby, 50%; Marquis 40%; Kota, 8%, and Emmer, trace. Durums: Peliss (black) 45%; Kahla (Black), 40%; Kubanka, 30%; Mindum, 25%; D-1, one-half per cent, and D-5, trace.

In the varietal trials with oats, three year averages are as follows: Gopher (60 day) 55 bu.; Minota, 52.2; Silvermine, 49.1; Iowa 103, 49.0; Victory, 44.4; Swedish Select, 42.7; Minn. 281, 42.0.

Among the barley varieties, three year averages are as follows: Svanota, 39.5 (two row); Minn. 184, 37.7; Minsturdi, 35.7; and French Cavalier, 34.8 (two row). A barley without any teeth on the awns or beards has been developed at University Farm. For two years now, it has out-yielded all other barleys.

Results of 1923 trials with winter rye varieties are as follows: Minn. No. 2, 14.8 bu.; Wis. Pedigreed, 10.7 bu.; Rosen, 3.5 bu. In the case of Rosen and Wis. Ped., the low yield is due to winter-killing. They are considerably less hardy than Minn. No. 2.

Trials with winter wheat were complete failures on plowed ground. Planted between the rows of corn, about half a crop was secured. Planted in grain stubble, the wheat surviv-

ed the winter, but dried out to a very thin stand.

Records for 1923 regarding Kota wheat have been compiled by R. S. Dunham, agronomist at the Northwest Station. Kota is a common wheat resembling Preston, introduced into North Dakota from Russia. It was brought into the variety trials at the Northwest Experiment Station in 1920. An organization composed of Kota Wheat growers in North Dakota sold a considerable quantity of seed in the Minnesota Red River Valley last year at \$6.75 per bushel. Those who grew it are planning to sell their crop for seed next spring.

### Results of Kota Trials

The following results have been obtained at the Northwest Experiment Station:

Year	Yield per Acre in bushels.	
	Marquis	Kota
1920	17.4	16.0
1921	15.1	10.1
1922	17.4	20.2
1923	13.3	15.6
4 year average	15.8	15.5

It was expected that Kota would show a marked increase in yield over Marquis in 1923, since Kota is the most resistant to black stem rust of any common spring wheat. The difference in yield was 2.3 bushels, a difference which might be due entirely to experimental error. There was, however, a difference of 2½ pounds in the weight per bushel; Kota weighing 57 and marquis 54.5. In 1922 Kota weighed 61.5 pounds per bushel and Marquis 59. Rates of seeding were tried for one year (1923). The 4-peck per acre seeding out-yielded the 3-peck seeding by 3.4 bushels. However,

1923 was a poor season for light seeding, since wheat stooled very little.

### Grain Mixtures

Various mixtures of wheat and flax were tried last season. Yields follow:

Marquis and	North Dakota No. 114 Flax	Wheat. Bu.	Flax Bu.	Yield per A
15 lb. per A.	42 lb. per A.	2.9	10.8	
30 lb. per A.	28 lb. per A.	6.1	7.5	
45 lb. per A.	28 lb. per A.	6.6	6.9	
Wheat alone		13.6		
Flax alone			13.0	

One very noticeable advantage of this mixture is the control of weeds in the flax by sowing wheat with it.

In a wheat and oats mixture the following results were obtained as a two year average:

Wheat alone, 717.8 pounds per acre.  
Wheat and oats, 1306 pounds per acre.

Oats alone, 1621 pounds per acre.

### Sweet Clover, Alfalfa and Soybeans

In a first year seeding, annual or Hubbard sweet clover yielded 4653 lbs. per acre; biennial white, 4,100 lbs.; and biennial yellow, 4343 lbs.

In the second year after seeding the biennials, the annual yielded 3760 lbs.; the biennial white, 7224 lbs. (two crops), and the biennial yellow, 7106 lbs. (two crops).

In a comparison of three varieties of alfalfa, common yielded 4864 lbs. in two cuttings, Cossack, 4107 lbs., and Grimm 3204 lbs. per acre

Of ten varieties of soy beans only the Wisconsin Blacks and Minsoy ripened seed this year, with a yield of 12.25 bushels per acre for the Blacks and 12.84 bushels for the Minsoy. Cut for silage, the Blacks yielded 5.38 tons per acre, Minsoy 5.7 tons and Chestnut 7 tons.

### SCHOLASTIC HONOR LIST FOR FIRST SIX WEEKS

#### Advanced:

Iver Johnson, Crookston.

#### Senior:

Robert Davids, Bagley  
Ebenhard Gandrud, Detroit  
Helen Gibbons, Crookston  
Gladys Gunafson, Fertile  
James Hanson, Twin Valley  
Wallace Miller, Roseau  
Emma Nelson, Gatzke  
Marie Strickler, Euclid

#### Junior:

Stella Carlson, Hallock  
Einar Eilertson, Drayton, N. Dak.  
Selma Hamre, McIntosh  
Anna Hoper, Stephen  
Chester Johnson, Fergus Falls  
Elizabeth Jones, Lancaster  
Elmer Krogstad, Fertile  
Ellen Lervold, Halstad  
Elmer Miller, Erie  
Esther Strickler, Euclid  
Della Strommer, Clearbrook  
Stella Sorenson, Plummer  
Dora Thompson, McIntosh.

#### Freshmen:

Raymond Armstrong, Euclid  
Emil Berg, Fosston  
Alicia Hoppe, Crookston  
Ben Hurner, Glyndon  
Caroline Hruska, Lockhart  
Clarence Krogstad, Fertile  
Mabel Larter, Lancaster  
Violet Lundberg, Kennedy  
Ray Magneson, Grygla  
Agnes Nelson, Lockhart,  
Arthur Peterson, Bagley  
Arthur Ramse, McIntosh  
Mabel Rude, Fertile  
Phinney Stenberg, Clearbrook.  
Lily Walhaug, Plummer.  
Harold Walters, Beltrami

(Continued from Page 7)

past 7 or 8 years with gratifying results.

The dairymen and creamery operators from the entire state of Minnesota and North Dakota are invited to attend this meeting at Crookston. Accommodations will be provided for

all. The armory seats 1500 people and it is expected that it will be filled to overflowing on the evening of the pageant.

Twenty years ago there were twenty creameries in the Red River Valley. There are now over 120 in successful operation. The growth of the industry has been phenomenal. Continual facilities for dairying are unsurpassed which means there will be a great forward development in the years to come.

The officers of the Red River Valley Dairymen's association are: Stuart McLeod, Goodridge, president; A. R. Knutson, Pelican Rapids, 1st vice president; Marius Waldahl, Plummer, 2nd vice president, E. E. Thorson, Hendrum, treasurer; and Leonard Houske, Halstad, secretary. F. M. Brown, St. Paul will act as convention auctioneer.