

# THE NORTHWEST MONTHLY



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VOL. IV

CROOKSTON, MINNESOTA, JANUARY 1920

No. 2

## HOME COMING CELEBRATION DECEMBER 19 WILL LONG BE REMEMBERED.

The Home Coming celebration December 19, was one continuous round of inspiration and pleasure. From the basket ball game early in the forenoon between the regular Aggies and the former stars among the service men till the last note of the farewell song "Minnesota" late in the evening, there was not an unoccupied or dull moment in the day's festivities.

The forenoon was spent principally in renewing old acquaintances. The basket ball game which ended with a score of 10 to 12 in favor of the former stars afforded interesting pastime. Much interest was also taken in the fine exhibit of war relics that had been gathered together by Major Rossberg.

The banquet at noon was one of the best that has ever been served at the school. The dining hall was beautifully decorated in the national and allied colors. A triumphal arch opened the way from the hall and its lines and color scheme were continued throughout the room in a most artistic manner. After the three course turkey dinner there followed a most interesting program of toasts.

Supt. Selvig presided as toastmaster. The following responded with greetings to the service men:

From the students—James Felber; from the alumni—Ole Flaatt; from the faculty—T. M. McCall; from the home folks—A. D. Stephens. Mr. Selvig also read letters of greeting from President Burton, Governor Burnquist, Hon. Halvor Stoenerson, Gen. John Pershing and Secretary Josephus Daniels, Hebert Anderson, Martinus Stenseth, Magnus Spjut, Conrad Clementson, Peter Ness, and Clarence Lee responded for the service men with speeches full of interest concerning their experiences and words of patriotism and service that were an inspiration.

The boys' glee club sang several songs and the student body greeted each speaker with a song that reflected the fine school spirit that marked the occasion. Mr. E. A. Linden who was present, also sang two solos to the great delight of all.

(Continued on Page Four.)

## Excellent Program Arranged for 1920 Northwest School Farmers' Week Meetings Feb. 9-13 are the Dates

The final program for 1920 Northwest School Farmers' and Womens' meetings will be ready for distribution in about ten days. The program promises to be featured with addresses of vital importance to the agricultural and home interests of this Section of the State. Coming at the same time as the Red River Development Association's farm crop show and the Live Stock Association's Live Stock Show and Sales the week will afford an unsurpassed opportunity to learn of the new things as well as to strengthen the movement to foster the established principles which underlie successful farming practice.

### Evening Programs

The evening sessions will be of the highest order. On Monday evening February 9, the Red River Valley Declamatory contest will be held. On Tuesday evening Honorable Duncan Marshall, minister of agriculture, Alberta, will deliver an address. He will also be a speaker at the afternoon live stock meeting on the same day. On Wednesday evening there will be an address by Hon. F. B. Snyder, President of the University Board of Regents. Mr. Snyder is a speaker who has a message for the people of this section of the state.

On Thursday evening George E. Vincent will speak on "Rural Health and Happiness." His coming will be welcomed by all who have heard him before and who will again seek an opportunity of listening to his inspirational message.

On Friday evening, President Marion Burton will speak on "The Demands of Democracy." He has won a permanent place in the affections of northwestern Minnesota people. All regret that he is soon to leave Minnesota but all also hope that he may find a way to come to Crookston again even after assuming his work in our sister state, Michigan. Social music including community singing will be a feature of each evening's program.

### Women's Meetings

Too often the men only have come to the Northwest School's meetings leaving the women at home. The program for the women's meetings are

just as interesting and valuable to them as are the various group meetings and conferences to the men. Mrs. T. R. Sewall comes from Stevens Point, Wisconsin, to assist the local committee in the conduct of these meetings which will begin on Tuesday, February 10, and continue through Friday. The morning sessions will be held in the Crookston High School and the afternoon program at the Presbyterian Church, followed at 4:00 by general sessions at the armory. The program will include demonstrations and addresses of interest to every woman.

### Agricultural Meetings.

The program opens on Monday afternoon when there will be a conference on sheep growers problems. On Tuesday forenoon two groups will meet to discuss farm crops and live stock questions. Dr. E. C. Stakman will present the wheat rust campaign. The live stock group will have Frank Kleinheinz and W. A. McKerrow as speakers followed by an address by Duncan Marshall at the general session.

### Wednesday's Program.

At the horticultural section, root crops, garden crops and pests, and windbreaks will be given consideration. The live stock group will take up dairying topics with D. D. Altkin, Dr. C. P. Fitch and W. A. McKerrow as speakers. The poultry program includes addresses and demonstrations by C. E. Brown and G. R. Graves.

At the afternoon general session Dean R. W. Thatcher and P. H. McGarry will give addresses, the latter on Minnesota road building plans.

### Thursday's Sessions.

Potato problems will be emphasized at the horticultural division, including seed treatment and grading. At the live stock session Dr. C. W. Gay, Dr. C. P. Fitch and Dean H. W. Mumford, of Illinois, will speak. Following this at the general session H. J. Hughes of the state department of agriculture will speak on the central potato exchange and Dean Mumford on a live stock subject.

(Continued on Page 2.)

# Northwest School Farmers' Week AND Red River Valley Winter Shows

(Continued from Page 1.)

### Friday's Program..

The farm crops section includes farm drainage, annual hay crops, and weed control, with S. A. Bedford, of Winnipeg and A. D. Wilson as speakers. How to figure the income tax will be explained. Beef cattle management is the principal subject at the live stock section. At the general session E. G. Quamme will speak on rural credit and Dr. C. W. Gay on livestock breeders' problems.

### Farm Engineering Topics.

A farm tractor school in charge of experts will be in session from nine to twelve each forenoon of the week beginning on Tuesday. Special farm power problems will be thoroughly explained by experts and followed by actual demonstrations, using the exhibits in the tractor show for this purpose.

### Moving Pictures.

It is planned to have a full program of moving pictures illustrating various farm and home activities each day of the week. This will be in the nature of a continuous session following a definite schedule which will be posted in a conspicuous place.

### Contests.

The declamatory contest will be held Monday evening. Stock judging contests will take place all day Monday. The rural school spelling contest will be held Friday.

### Meetings of Various Organizations.

These will be fully announced in the final program for the week.

### General Information.

Every effort will be made to provide lodging accommodations for those who attend these meetings and the Red River Valley Winter Shows which are held during the week. An office will be maintained at the armory and also at a convenient location in Crookston. All desirous of securing rooms in advance should notify A. M. Christensen, Northwest School, Crookston. There will be a fee of \$1.50 for the week's program and shows. Tickets may be secured in advance from your county agent or through your farm club or bank. They will be on sale at the armory during the week.

A full statement regarding the farm crops show, live stock show and sales and of special meetings already scheduled appears elsewhere in this issue of this paper. Copies of the final program when issued may be secured by writing to the Northwest School of Agriculture, Crookston.

## VALUABLE PREMIUMS FOR FARM CROPS SHOW.

The Minnesota Red River Valley Development association has again

succeeded in making a very attractive premium list for the farm crops exhibits at the annual Farm Crops show to be held in the livestock pavilion at the same time as the Live Stock Show and Northwest School Farmers' Week meetings, February 9-13.

A glance through the premium list shows very attractive premiums in all classes. In addition to the county cash prizes which will be offered for first, second and third best samples in each class from each county there are valuable sweepstakes premiums, including a No. 1 feed grinder for the best ten ears of corn and \$10.00, \$7.00, and \$5.00 for each of the following classes of corn: Yellow Dent, White Dent, Northwestern Dent, any other dent and flint. There is a class for 50 ears also. The grain class provides for two quart samples. Premiums for alfalfa seed vary from \$16.50, first prize, to \$4.00, third prize. The sweepstakes award for wheat is a corn cultivator donated by Deere and Webber Company. In addition there is a \$50 silver cup donated by the Minnesota Crop Improvement Association for the best peck of wheat. Other prizes for wheat range from \$38.50, merchandise value, first prize, to \$4.00 in cash with a wide range of high class premiums in between.

In the oats class Strandell Products Company, Crookston, donate a cement water tank valued at \$50, as sweepstakes. The classes are large white oats, large yellow oats, and small oats, either white or yellow. Premiums in these classes vary from \$18 to \$5.00.

In the barley class the sweepstakes award is one bushel Globe medium clover valued at \$36. The two classes are 2 row barley and 6 row barley with prizes ranging from \$20 to \$8. In the rye class prizes range from \$5 to \$4; in flax from \$12 to \$4. In Potatoes the following classes are listed: Early Ohio, Irish Cobbler, Triumph, Green Mountain, Rural New Yorker, and Burbanks, with a \$110 cream separator as sweepstakes and premiums within the classes ranging from \$25 to \$2.50 as sixth prize.

In the boys' and girls' club department there are premiums for potatoes and corn ranging from free trips to the Northwest School Junior Short Course and cash to \$1.00 as tenth award. The sweepstakes awards are full fare and membership in the 1920 state fair farm boys' camp.

The Minnesota Crop Improvement Association has appropriated the sum of \$250 for grain prizes to be awarded by the Red River Valley Development association at the 1920

Red River Valley Farm Crops Show.

The premium list giving full information is now on the press and will be ready for distribution about January 12. In the meantime all are urged to select their exhibits. These should be forwarded to reach Crookston on or before Thursday noon, February 5. For further information address C. H. Zealand, secretary, Crookston.

## PREMIUMS IN LIVE STOCK SHOW CATTLE CLASSES.

The following classifications are followed at the Red River Valley Winter Live Stock Show: Bull three years or over; bull two years under 3; bull, yearling; bull, senior calf; and bull, junior calf; cow 3 years or over; heifer 2 years, under 3; senior yearling, heifer, junior yearling heifer, senior heifer calf; junior heifer calf; graded herd; breeder's young herd; breeder's calf herd; get of sire, and produce of dam. Premiums for cattle go to sixth place, as follows: \$10, \$8, \$6, \$5, \$3, \$2, with \$5 additional for each of senior and junior champion bull and female and \$10 additional each for grand champion bull and female. The six cattle breeds included are Aberdeen Angus, Short-horn, Red Poll, Hereford, Holstein, Guernsey. The following special premiums will be awarded to novices or amateurs, owners of pure bred who have never shown at county fairs or other shows: Best bull, any age; best female, any age; and best herd including bull and 2 females, any age; first \$5.00, second, \$3 and third, two dollars.

### Market Fat Stock.

Market fat cattle \$10, \$8, \$6, \$4 \$2 for two classes, one class over 2 years and one class under 2 years of age, steer or heifer, with champion \$10 additional.

### Breeding Classes of Swine.

Premiums are offered for the following breeds: Berkshires, Poland Chinas, Duroc Jerseys, Chester Chester Whites and Yorkshires. The premiums are \$8, \$6, \$4, \$3, \$2 for the following classes: aged boar, yearling boar, senior boar pig, and junior boar pig; aged sow, senior yearling sow, junior yearling sow, senior sow pig, and junior sow pig; aged herd, breeder's aged herd, young herd, and breeder's young herd. Champions, senior and junior, boar and sow, \$5 additional, and grand champion another \$5. Get open to breeders of pure-breds who have never shown at county or other fairs, \$5, \$3, and \$2 for

(Continued on Page Three.)

(Continued from Page Two.)

best sow, boar and herd of 4, including boar and 3 females, any age.

#### Swine Market Classes.

Fat hog farrowed after March 1, 1919, \$8, \$5, \$4, \$2, and same for fat hog farrowed before March 1, 1919, with \$5 additional for champion fat hog.

#### Shropshire Sheep.

Eight dollars, \$6, \$4, \$3, \$2 for ram, 2 years or over; ram, 1 yr. under 2; ram, lamb; ewe, 2 years or over; ewe, 1 yr., under 2; and ewe lamb; ram and 2 ewes, any age; get of sire; and pen, grade ewes, 3, any age. Champion ram \$5 and champion ewe \$5 additional. Novice class limited to owners of purebreds, who have never shown at county or other fairs, \$5, \$3, \$2 for best ram, any age; best ewe, any age; flock, ram and 3 ewes, any age, pure bred; pen, grade ewes, 3 any age.

#### For Further Information.

For further information and reservation of stalls and pens write the Secretary, W. V. Gousseff, Northwest School, Crookston, Minnesota. Ask him to send you a premium list. They will be ready for distribution about January 12.

### PAVILION ANNEX BEING CONSTRUCTED.

Work is progressing rapidly on the East wing of the live stock pavilion. This new wing which is 75x140 feet, two story, will add materially to the housing of the cattle. If suitable space is found for the Industrial Exhibit, the entire first floor will be used for breeding cattle exhibits. The entire upper floor will be used for swine and sheep. The boys and girls calves and market stock will be housed in the basement of the pavilion.

Weather conditions have made it impossible to build the south annex this winter. However, with the large East wing, space will be available for cattle, sheep and swine entered. The Board of Directors planned a horse show for this winter but the inability to construct all the buildings planned necessitates putting this part of the program off for another year. No doubt steps will be taken by the horse men to get ready for a 1921 horse exhibit that will rival the various other stock departments.

"Please send me your premium list and entry blanks for the Winter Live Stock Show; is the urgent request found daily in the mail of Secretary W. V. Gousseff.

By the early inquiries and enthusiastic letters received, indications point to a "full to the roof show."

Already requests are in from Clay, Ottertail, Norman, Marshall and Polk Counties. In this issue of the Northwest Monthly is published the advance classification for all Live Stock classes. The official Premium list is in the hands of the printer at the present time and will be ready for distribution within a short time. Inquires should be ad-

ressed to the Secretary for further information.

### HEALTH CERTIFICATES

Breeders of Cattle are urged to have the Certificates of Health regarding tuberculosis on hand at the time of putting cattle in the pavilion for the winter show.

No cattle will be admitted in the building unless the proper health certificates issued by the State Live Stock Sanitary Board from the state from which the animal is entered accompanies the same. This rule will be strictly adhered to and details regarding the same may be found in the official premium list.

### BREEDERS TO HAVE MEETINGS.

Breed enthusiasts expect to hold short sessions during the week of the Show at which time matters of especial interest regarding their favorite breed will be discussed. Representatives of the state and national breed organizations will be present to discuss breed promotion work, advertising and other matters of interest.

It is hoped that each breed will have such a meeting. Decisions have already been made of dates for meetings of the following breeds:

Chester White, Shorthorn, Shropshires, Duroc Jersey and Holstein. The official program will specify the time and place for such meetings. Other requests should be sent in immediately in order that they may be published in the program.

The annual banquet of the live stock men will be held in the Elks' Hall on the evening of Wednesday, February 11. Send your reservations to Secretary Gousseff.

### ASSEMBLY EVENTS IN BRIEF.

Mrs. E. B. Canaan, with Mrs. Wm. A. Nebelung as accompanist, gave a very enjoyable musical program Nov. 29. Among the numbers she and "Sylvia" by Logan and "Pierrot," by Riibner.

Robert R. Smith, of the faculty, gave a very inspiring address on the subject of "The Super Man." He said we are judged by our tastes. If we would develop higher ideals we must change our tastes in the direction of larger and better things. If our tests remain only for common things, then we remain among the mediocrity of the common crowd.

G. A. Youngquist, of Crookston, spoke before the student assembly on the subject of Americanization in Rural Communities. He emphasized the importance of teaching the English language. He cautioned against haste and urged that the Americanization process must be a gradual transformation. He placed a definite responsibility upon each individual of first making himself, a true American.

W. I. Nolan came out to the school during his visit to Crookston to speak before the "Red River Dairy-men's Convention," and gave one of his most eloquent patriotic address-

es of the year. "To MAKE AMERICA UNDERSTOOD should be our Motto," he said. "We must make our men appreciate that our part in the world's affairs is entirely unselfish and humanitarian."

A. J. McQuire also spoke before the students during convention week. Mr. McQuire is an alumnus of the Central School, which added particular interest to his address. His very inspiring talk may be aptly summarized in his definition of education. It is the training he said, which gives a boy or girl a thorough understanding of his or her work, a correct appreciation of duties and rights of citizenship, a genuine sympathy for their fellows, and a courage to look the whole world in the eye in standing up for convictions of what is right.

Among the especially strong addresses that have made the Sunday evening meeting of the Y. M. C. A. and Y. W. C. A. so successful this year, were that by G. H. Sanberg, Superintendent of Crookston Schools, on the "Sterner Side of the Character of Christ," and that by Rev. P. E. Moen, of the Norwegian Lutheran Church, on "Jesus, Christ, the Same Yesterday, Today and Forever."

### INTER SCHOOL DEBATE

After an intermission of one year the Northwest School of Agriculture will again meet its ancient rival, the West Central School at Morris, in a debate. The contest this year will be a triangular affair, the secondary school of the Fargo Agricultural College also being included. The question this year is: Resolved, that the United States should grant immediate independence to the Philippines.

### OSTEN-SAKEN SPEAKS AT THE FARM SCHOOL

Dr. Fritz Osten-Saken and the America First Concert Company gave a most inspiring program November 25. The concert company gave a delightful number of instrumental selections and Miss Thora Noble, in a most artistic manner, sang selection from Madame Butterfly.

Dr. Osten-Saken spoke on the subject of "Americanism." He said true Americanism means not only giving but receiving. A true American will not only give back to his country the "principal" but will also include something for "interest." He emphasized the seriousness of the present crisis and appealed to every American to do his utmost to stamp out the spirit of anarchism that has been imported from various countries of Europe and is threatening to sweep our own country. "Don't be carried away by catchwords thrown out by demagogues and agitators to fool the unthinking public." He said. "We need to re-establish confidence, trust and faith, the lack of which is the principal cause of the present unrest.

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.



NORTHWEST SCHOOL MEMORIAL.

The change in the plans made necessary by the delayed morning train made it impossible to consider fully the school memorial matter on home-coming day. It is hoped now to have the matter presented to the alumni at their meeting to be held on February 13, during the Northwest School Farmers' Week.

It is hoped also to have the architect's drawing for the suggested memorial entrance to the school campus ready by that time. It is thought that about \$2500 will be needed to carry out a plan that will be fitting in providing a permanent memorial.

This memorial will exemplify the respect felt by the school for the seven who gave their lives to their country. It should also include a permanent record of all the others who showed their devotion by entering the service.

The year 1920 calls us as loyal alumni, former students and friends of the institution to do this. Let us not call it a task but rather a duty, gladly assumed and both willingly and quickly done.

Miss Esther Kroog has been named treasurer of the Northwest School Memorial Fund. It may be that there is such a clear conviction regarding this matter that the campaign for funds can begin at once. If this proves to be the case the matter of allotments may as well be mentioned.

A group of alumni including the president of the alumni association, O. A. Flaatt, and returned service men, including Captain Stenseth, Herbert V. Anderson, Magnus Spjut, Clarence Lee, Conrad Clementson, and others considered the matter of securing funds for the memorial. They decided tentatively on \$5.00 from each alumnus and one-half that amount from each former student.

Parents of former students and of alumni, and other friends of the institution would have no limit placed upon their subscription. It is hoped

that there will be a few who will feel that they can give generously to this beautiful permanent tribute to our boys to be located at the entrance to the campus.

The February issue of the Northwest Monthly will go to press not later than January 24. It is hoped to publish a long list of subscribers in that issue. One subscription of ten dollars has already been received.

C. G. Selvig.

HOME COMING DAY.

It was a wonderful day. The sun did not come out to give us its welcome but that failed to lessen the joy that radiated from the hearts of all. We were glad to see our boys again.

Somehow they, too, seemed to be glad. Somehow when the hands met in that first clasp since the parting when the path lay towards the East and led even to beautiful France, and the eyes met—tumultuous feeling overtook us and words were difficult to find. This is the test of true comradeship. This made the day worth while. It will long be remembered by all who were present.

HOMECOMING CELEBRATION

(Continued from Page 1)

After the banquet the guests assembled in the auditorium for the memorial exercises. Rev. W. E. Dudley, of Winona, formerly pastor of the Congregational Church in Crookston, delivered the address of the occasion. His subject was "In the Thick of the Fight" on which theme he emphasized the fact that though the war is over peace has not yet come to the earth. He lamented the foolish extravagance of people in general which is aggravating the economic crisis that has followed as a natural consequence of this most destructive of all wars. He pointed out the danger of class autocracy as threatening the very foundations of our government and said that the "safety of democracy" against the Bolsheviks, radical Reds, and anarchists who would attempt to substitute government by class for "government by the governed" through "direct action" of force, destruction and murder demands a united front of us all in a fight to the finish.

The exercises closed with a very impressive ceremony in lowering the service flag and the red cross banner which were carried to their permanent place in the library with a escort of service men. Most tender reference was made to our dead heroes, Herman Ecklund, Gilbert Kittelson, Arthur Layton, Theodore Stalemo, Martin H. Dale, Clarence Brustad and Edward Rud, who gave their lives for the cause of democracy.

Miss Myrtle Hovland of Crookston sang "The Red of the Rose," a beautiful tribute to our fallen heroes. Particular interest is attached to this song as the words are by Nels Engen a former student and graduate of

the school.

At six o'clock a buffet lunch was served.

The more serious and formal exercises of the day were followed in the evening by one grand jollification in which all entered with a spirit. The events were carried out as per schedule as announced in the "general orders of the day," a very original and ingenious program, representing the different numbers as "phases of a day's engagement."

The first number of the evening was the play "Passing of the Third Floor Back." Though a rather difficult play, it was well done. The characters were well portrayed with an ease and grace that was very creditable.

After the play the service men passed in review and were "decorated" for the occasion with bouquets, each one receiving a lusty cheer as he passed the reviewing officer's stand. The grand march of service men and alumni which followed was a very beautiful affair. They were led through a maze of intricate maneuvers that were interesting to both participants and spectators.

The vaudeville show that followed was a great hit. The famous faculty ducky quartette of former years again made its appearance in a repertoire of "hits" on service men that was a "scream." Other numbers that won the favor of the crowd were the garland drill and the "strong man." This feature of the program was concluded with a movie of Charlie Chaplin in "Shoulder Arms."

During the interval of social games and lunch that followed the crowd was kept in an uproar by the proceedings of Judge Soak 'em Sambo's Kangaroo Court. Dignified citizens

(Continued on Page 6)

TO THE ALUMNI.

The annual reunion of the the Northwest School of Agriculture alumni will be held Friday, February 13. Every member is urged to be present. A big time is planned for all. Dr. Burton will be with us. We also hope to have Dr. C. W. Gay and A. D. Wilson as guests. Let us all "turn out" and voice our opinion in making this association of more value to our respective communities.

Carl A. Berg, Secretary.

**SCHOOL EXPENSES EXPLAINED  
AIM TO REDUCE H. C. L.**

Northwest School of Agriculture,  
Crookston, Minn.

Gentlemen:

As a parent of a student in your school, I take the liberty of inquiring what are the actual required expenses of a student in attendance at the Northwest School of Agriculture. I know, of course, what are the regular expenses as outlined in your catalogue, including fees and board, but how much more is really required as incidental student expenses for one who would partake in the regular student activities of the school?

Yours very truly,

PARENT.

**THE REPLY**

Dear Sir:

In reply to your letter inquiring about students' expenses at the Northwest School of Agriculture I am glad to give a full statement of what is required both in regular fees and incidental expenses for a student taking part in the various student activities on the campus.

The following is an itemized statement of regular fees and board.

**First Term**

Entrance fee .....	\$ 5.00
Book rent .....	1.00
Deposit (returned at close of year) .....	5.00
Reserve Fund .....	1.50
Nurse fee .....	1.00
Gymnasium fee .....	.25
	<hr/>
	\$ 13.75

Board and room (including flat laundry) at \$21.50 per month from Oct. 7, 1919 to to December 19, 1919 .....	51.60
	<hr/>
	\$ 65.35

**Second Term**

Reserve fund .....	1.50
Nurse fee .....	1.00
Gymnasium fee .....	.25
	<hr/>
	3.75

Board and room (including flat laundry at \$21.50 per to Mar. 26, 1920) .....	58.05
	<hr/>
	61.80

Total expense for 2nd term	65.35
	<hr/>
	127.15

Less \$5.00 deposit returned at end of year .....	5.00
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	\$122.15

**Senior Class Select Theses to be Presented  
at School Assembly**



**REMEMBER  
NORTHWEST SCHOOL  
FARMERS' WEEK  
FEBRUARY 9-13  
EVENING PROGRAMS**

- Monday, Feb. 9.  
Red River Valley Declamatory Contest
- Tuesday, Feb. 10.  
Hon. Duncan Marshall
- Wednesday, Feb. 11.  
Hon. F. B. Snyder
- Miss Maude Hayes
- Thursday, Feb. 12.  
Dr. George E. Vincent
- Friday, Feb. 13.  
President Burton.



In addition, laboratory fees from 50c to \$1.00 for each term are charged students who register for woodwork, forge, Motors, sewing, cooking, chemistry, commercial studies and dairying to cover cost of material used.

The following tabulation is statement of incidental expenses for student activities at the school for one year:

Y. M. C. A. or Y. W. C. A. dues and study books .....	\$1.35
Sunday school and Y. M. C. A. Books .....	.85
Movies one per week at \$.15 .....	3.00
Basket Ball games at \$.25 .....	1.50
Class Dues, estimated .....	1.00
	<hr/>
	\$6.85

Class dues do not exceed \$1.00 except in the Senior class where the class annuals cost each senior not to exceed \$10.00 which includes five books.

A. H. LARSON, Registrar.

The History of the Duroc Jersey and Its Development in the Red River Valley; Melvin Bengston.

Holsteins in the Red River Valley; Walter V. Sprung.

The Red Lake Drainage and Flood Control Project; Einar Aakre.

Stinking Smut of Wheat and Its Control; Clarence Tucker.

The Growing of Root Crops; Joseph Thorkilsson.

Care and Feeding of Poultry on the Farm; Arthur Andreson.

Ornamental Tree Planting on the Farm; Morrill W. Campion.

Management of a Typical Red River Valley Farm Milton O. Warner.

A Study of Duroc Jersey Families and Their Distribution Throughout The United States; John Swiers.

Sheep Raising in the Red River Valley; Henry L. Bagge.

Class Oration—Strive and Succeed; James Felber.

Strawberry Culture; Leonard Wi-berg.

Demonstration of Floriculture; Ellen Ahlin.

The Clothing Budget; Agnes Gronner.

The Value of Home Project Work for Girls; Louise Edman.

The Planning of a Kitchen; Lucil Morris.

The Value of Music to the Community; Ella Tollefson.

Orchards in Northern Minnesota; Willard Tunheim.

Shelterbelts; Martin Rud.

The Value of Public Speaking in Schools; Laura Jenson.

Simple Solutions of Common Laundry Problems; Gladys Logan.

Home Possibilities in Millinery; Vivian Lundberg.

Steps in the Development of American Furniture; Ruby Knudson.

Improvement of Corn by Selection and Breeding; John Flikke.

Inoculation of Legumes; Herbert Johnston.

The Why and the How of Farm Accounts; Carl Narveson.

Labor Saving Devices; Wanda Gauss.

**NORTHWEST EXPERIMENT STATION STAFF**

Crookston, Minnesota

C. G. SELVIG, Superintendent

C. E. Brown, Poultry.

A. M. Foker, Farm Buildings, Drainage.

T. M. McCall, Horticulture, Potatoes, Root Crops.

J. P. Bengtson, Home Projects.

A. J. Kittelson, Assistant State Leader Boys' and Girls' Club work.

A. M. Christensen, Home Projects, Pure Seed Distribution.

W. V. Gousseff, Live Stock.

R. R. Smith, Field Crops, Farm Management.

## FARM BUREAUS IN VALLEY COUNTIES

### Made Fine Record 1920 a Banner Year

A second year of successful Farm Bureau work has been completed in the Red River Valley counties. The two years of the life of the work has witnessed a growing demand on the part of farmers for this work. This increasing in favor is undoubtedly due to the farm bureau having demonstrated its ability to render service.

On July 1, 1919, all boards of county commissioners in the Red River Valley with the exception of Polk County made appropriations to carry on the work for a period of either one or two years. The size of these appropriations varied from \$1,000 to \$3,000. This has insured the carrying on of the work in all of these counties with the one exception. As to whether or not the work will be continued in Polk county will depend on the success of the membership campaign, as an effort is being made to continue the work without county aid.

At the beginning of the year a definite program of work for the farm bureau is outlined by the Executive Board of the association. This program is in reality an outline or statement of the things the bureau wishes to accom-

(Continued from Page 4)

were hauled before the magistrate and fined for breach of decorum in the various forums that only the eagle eye of such an officer could detect.

The evening's festivities ended with a shower of confetti on the last group of marchers that was very beautiful in its effect. The crowd sang the "old familiar songs" with a spirit that indicated that all had had a good time.

A feature of the occasion was the artistic sixteen page souvenir program booklet printed in three colors. The art work was by Harold H. Grandy, '15. The frontispiece is a drawing of the dawn of peace. Page two is an account of the dedication exercises for the service flag, together with a poem of dedication by Superintendent Selvig. Page four is a Tribute to Our Boys, by Martin Rud, '20, who won first place in a contest among the students in writing for this page. Pages five and six are devoted to the Honor Roll. Pages eight, nine and ten are devoted to the letters of greeting mentioned above. The other pages are devoted to the programs of the day. At the top of each page is a beautiful sketch of the school campus and scattered through the pages on the margin are appropriate illustrations of home coming scenes.

plish during the year. In each case the program includes a definite statement of work to be done on livestock production, crop production, maintaining soil fertility, boys and girls work and other lines dealing with agricultural development.

During the last two years most of the farm bureaus of the valley have felt that the following project required most emphasis.

#### Live Stock Work

has the most prominent part in the farm bureau program. It has not been the feeling that the Red River Valley will cease to be a grain producing section. It is taken for granted that this fertile valley will undoubtedly always produce an abundance of grain but if the productivity of these farms is to be maintained, it is necessary that a diversified system of farming be practiced and that livestock take its natural place in this. What the different farm bureaus have done along live stock lines is indicated in the summaries that follow.

#### Improvement Work.

Potato improvement work stands next to the livestock production in receiving attention. In this work the farm bureaus have been very effective.

#### Peat Land Demonstrations.

In the northern part of the district the peat reclamation demonstrations have been of enormous benefit to the section. These demonstrations were based on the result of experimental work at the Northwest Peat Experimental Farm at Golden Valley in Marshall County.

#### Free Employment Bureaus.

Each farm bureau office has conducted a free employment office which to a degree at least solved the labor shortage in the district during the last two crops seasons. One farm bureau through its employment service supplied farmers with 1,500 farm hands during the year. This service alone has been worth all the money put into the work by the county, as this service was instrumental in saving that year's crop.

#### Many Forms of Service Rendered.

There are many other lines of work which have been undertaken but these mentioned are those given the greatest consideration and space does not permit mentioning all. We feel that the work is now well established in the counties and that farmers generally are making use of the county agent's office and the farm bureau association. Some opposition to the work of course still remains. This however, is due undoubtedly to a lack of understanding of the work which would be overcome if these opposing would try

to obtain the services offered by the farm bureau and its employee, the County Agent. We feel that the splendid cooperation received from the Northwest School of Agriculture has been of inestimable benefit in putting this work across so successfully during the last two years. This institution has stood ready at all times to supply information and to send out specialists and give other assistance when asked for.

W. E. MORRIS, District Leader.

### CLEARWATER FARM BUREAU ACHIEVEMENTS DURING 1919.

One bull association organized with eleven herds and two sires secured for same.

Located ten purebred sires for farmers in the county.

Tested three hundred and fifty-four head of cattle for tuberculosis.

Started dairy herd records on twenty farms.

Doubled the amount of formaldehyde used and increased acreage seeded with treated seed by six thousand acres. Saved \$10,000 loss from smut.

Three hundred and twenty-five acres of potatoes planted with selected and treated seed. Netted three thousand dollars. Increased use of corrosive sublimate ten times.

Organized three potato growers' associations.

Conducted fifty-five potato seed plots, securing increased yields from 10 to 100 bushels per acre.

Secured certification of three thousand bushels of seed potatoes for which growers received a premium of twenty cents per hundred.

Pure seed plots placed on nineteen farms last spring. Sixteen farmers seeded pedigreed rye last fall.

Conducted five demonstrations in use of acid phosphate on peat soils. Results indicate that phosphate is needed for profitable cropping on these soils.

Organized action against sow thistle in eleven communities. Moulded sentiment for effective work next year.

Three community clubs organized. Ten community planning meetings held.

Two livestock shipping associations organized which have done \$13,000 business. Steps taken toward federation of cooperative organizations in the county.

E. H. MARTIN County Agent.

## SUMMARY OF RED LAKE COUNTY FARM BUREAU ACHIEVEMENTS.

**Crop Work, Seed For Spring Planting:** 384 farmers were aided in buying and selling 18,177 bushels of seed grain and 11,480 pounds of other seed.

**Labor:** 48 men were placed upon 24 farms during the year.

**Disease Control:** The use of formaldehyde increased in the county 207 per cent. Corrosive sublimate 500 per cent.

**Pure Seed Work:** 15 pure seed plots in potatoes, 15 pure seed plots of wheat, on account of damage by rain no results are given. Sixteen pure seed plots of Rosen Rye were planted this fall.

**Live Stock, Tuberculin Testing:** 464 cattle were tested before December, however, the week following the total was brought to 623. No reactors were found among cattle which had been in the county over 60 days. 26 registered sires were brought into the county, 34 registered females were added to herds of the county, 193 people were assisted in buying and selling 1,197 head of live stock. The Live Stock Sale at Plummer 275 head of live stock were sold for \$15,000.00. Twenty-seven silos were erected in the county this year.

**Office Work:** The Farm Bureau received the following: Office calls, 1,631; Telephone calls, 735; Letters written 2,785; Letters received 2,139; Form letters written 46,612.

**Project Work:** 325 farm visits were made, 15 institutes were held with an attendance of 1,257, total meetings held 59, total attendance 3,096, 3,898 miles were traveled by rail, 7,315 were traveled by auto, 116 miles were traveled by team, total miles traveled 11,329; 48 specialists from the College Station and Department of Agriculture spent 90 days in the county, 5 specialists from other educational agencies spent 10 days in the county. Total number of specialists visiting county, 52, total days spent in the county, 100.

**Boys' and Girls' Club Work:** Twenty five boys and girls were enrolled in potato work.

C. C. LAKE, County Agent.

## NORMAN COUNTY'S WORK, 1919.

Four cooperative potato warehouses have been organized. Two new farm clubs were organized and two others reorganized. A Norman County Livestock Breeders Association has been organized, and a County Poultry Association has also been organized. During the past year more pure-bred sires have been secured than in any previous year. Twenty-four farmers have been assisted in securing pure-bred sires for their herds, while thirty-seven were given assistance in disposing of surplus stock. Early in the year a live stock survey was made showing that we had only 160 pure-

bred sires and 194 pure-bred females of all breeds. It has been estimated that more than 400 head of pure-bred livestock have been secured by Norman County Breeders during the year. The new Livestock Show and Sales Pavilion at Crookston, built a year ago, and in which a large number of Norman County Breeders are shareholders, has done much toward stimulating interest in pure-bred livestock. The Farm Bureau conducted a silo campaign during the early part of the year, with the result that 59 new silos were built or an increase of over 60 per cent. The Farm Bureau assisted five farmers in securing Grimm alfalfa seed for 45 acres. Nineteen farmers were assisted in securing 2635 pounds of sweet clover seed and several farmers were assisted in securing seed for other forage crops, such as millet, fodder corn, and field peas. Four carloads of this seed have been purchased from Norman County Growers this season. Early in the year much attention was given to the curing of good seed for spring planting, and the Farm Bureau assisted sixty-five farmers in securing good seed. The acreage of crops affected on those farms where the demonstrations were conducted and where the hoppers were controlled by this method was over 1100 acres. We estimated that the value of grain saved amounts to over \$16,000.00. Forty-two co-operators were secured who selected and treated their seed potatoes according to suggestions of the Agent. Nine co-operators made application and 225 acres of potatoes were inspected by the State Inspection Board. Nine farm account demonstration meetings were conducted. The Norman County National Farm Loan Association was organized with fourteen charter members. It has, at the present time, loans applied for to the amount of \$180,000 and about \$83,000 in loans have been completed. Boys and Girls club work has been carried on. The enrollment was as follows: Calf 3, pig 18, potato 18, and garden 29. An Industrial Building has been erected at the fair grounds, costing \$1200.00.

H. P. BRANDT, County Agent.

## PROJECT WORK DEVELOPED IN KITTSOON COUNTY.

1919 has been a year of development of some of the permanent projects of the Farm Bureau just as the year 1918 was one of Food production and of Food Conservation for War Service. The membership has been increased from 442 to 557. A County Wool Growers Association has been organized which pooled the wool of practically all in the southern part of the county. Also the effect of organizing was to increase the price of wool to all the growers in the County. A County Poultry Association was organized for the purpose of developing the poultry industry and its first show was held at Lancaster with marked success.

\$20000.00 is a conservative estim-

ate of the value this year to the county of the potato work of the Farm Bureau. The sale of corrosive sublimate has been increased in one year 251 per cent. While two years ago the acreage of treated potatoes planted was very small, this year over half was so treated. 18 co-operators with seed plots, averaged 7 bushels more by selection although most of the difference noted was an improvement in type and uniformity.

The increase in yield as a result of treating amounted to 20 bushels. Exhibits of Kittson County Early Ohios were made at all the potato shows, thus assisting in advertising our Early Ohios and aiding in opening up a market for our certified seed, nine growers producing same this year.

The annual Farm Bureau picnic was also the Home Coming Celebration for the 468 soldiers and sailors from this county and the occasion for presenting them with a County Service Flag. 26 were wounded and 18 died in service.

An Auto Tour of parts of the county was one of the innovations of the Farm Bureau this year. By this means some of the good farms, stock, buildings, silos, alfalfa fields and grain were put on show before the people of the county and through the county and state papers before the country at large. 44 pure bred sires bought, sold or exchanged by the assistant of the Farm Bureau as compared with 13 a year ago and 11 five years ago shows something of the progress. 118 pure bred bulls in use in the county against 47 two years ago shows even better the progress being made in the campaign for better live stock.

Boys and Girls Club work came in for attention. Institutes were held in the spring in all towns of the county when ten clubs were organized with an enrollment of 320. 112 turned in reports showing profit of \$1440.74.

W. V. LONGLEY, County Agent.

## ROSEAU COUNTY ACHIEVEMENT OF 1919.

"The agricultural progress of the county needs and has been receiving marked attention along the lines of increasing the present acreage under cultivation and the conversion of land. Livestock of a necessity, have been added in material numbers to the farms in order to make use of the resulting hay and pasture products by the growing of such crops. Livestock is also materially assisting in bringing returns from land that has produced but very little as a financial return from both the uncultivated land and some of the land that has been previously cultivated. The achievement of livestock husbandry has produced an increase in sheep husbandry as well as the improvement in the sires used in all livestock. Marked tendency has been achieved in the introduction and improvement of dairy husbandry, and the limited market for our dairy products within the county have been materially bettered in conjunction with the improvement."

O. M. OLSON, County Agent.

## CLAY COUNTY FARM BUREAU ACTIVITIES

The Clay County Farm Bureau has been urging the growers to select and treat their seed potatoes for 6 years. During the spring about 8,000 acres were planted with treated seed. Approximately 1000 pounds of corrosive sublimate were used this year as compared to 400 in 1918. Forty-four growers asked to have their seed certified. The total acreage inspected was 600 acres and about one half of the growers secured certificates. Seven growers had demonstration plots during the year. An average increase of 23 bushels per acre was secured over the unselected untreated fields.

During the year the county re-employed A. H. Larson, seed analyst of the State Seed Laboratory, to act as county weed agent. By means of meeting, personal visits, newspaper articles and letters, the farmers were advised how to control noxious weeds particularly the perennial sow thistle.

The county banners were used to spread the information as to the best methods of treating grain for smut. Posters were distributed and circulars were sent out to farmers through the mails. Demonstrations were held to show the method of grain treatment. 60 farmers attended these demonstrations. 1500 gallons of formaldehyde were sold in the county in 1919 compared to 200 gallons in 1918.

getting pedigreed seed oats, barley and wheat from the Crookston experiment station. Four men report an average yield of their other variety (Marquis) of 9 bushels per acre.

Three farmers were assisted in getting genuine Grimm alfalfa seed from North Dakota. They report an increased yield of hay of 1 ton per acre.

Sixteen farmers were assisted in 125 bushels of Northern grown seed corn were secured for farmers. They report an average increase of yield amounting to 8 bushels per acre.

The Farm Bureau assisted two farmers in getting registered bulls from outside the county. 15 registered cows, 1 registered ram and 3 registered boars.

Six registered sires (all kinds) were transferred from one community to another through the Farm Bureau.

The farmers clubs 19 in number were assisted in arranging their programs and securing speakers.

The organization of the Clay County National Farm Loan Association was perfected and assistance was given to 24 farmers in getting loans amounting to \$150,000.

Assistance was given the State Potato Growers' Association in holding their annual convention and show in Moorhead, November 5, 6 and 7. About 400 entered samples in the individual classes and 7 counties had exhibits.

In boys' and girls' club work there were 8 bread-making clubs in the county. A county contest was held

and a team was chosen to represent the district at the State Contest. Twelve boys and girls were enrolled in the pig contest. In the potato contest, ten boys and girls were enrolled. A. C. O'BANION, County Agent.

## PENNINGTON COUNTY AGRICULTURAL ACTIVITIES.

Twenty state experimental plots were secured for Pennington County, in co-operation with the Soils Department, University Farm, St. Paul, on which twenty-four tons of phosphate was applied by the farmers who conducted the twenty local demonstration plots. Fourteen of these fields that were not destroyed by the flood, show the following results in yield per acre:

	Phosphate	Manure	Check.
Barley	35 bu.	34.5 bu.	21 bu.
Rye	38 bu.	36 bu.	18 bu.
Oats	64 bu.	53 bu.	30 bu.
Flax	6.5 bu.	10 bu.	5.5 bu.

Two thousand one hundred fifty-three head of cattle were tested for tuberculosis, which is the largest number of any county in the country. An official list of the tuberculin tested herds, just published by the U. S. Department, shows that Pennington County heads the list in the number of accredited herds. This report shows the following figures:

Number of herds in Pennington County once tested which will be accredited next year, 175.

Percentage of accredited herds of the United States in Pennington county, 11 per cent.

Percentage of accredited herds of Minnesota in Pennington County, 66 per cent.

Two hundred and fifty boys and girls were enrolled in the Sheep, Potato, Poultry Garden and Bread Baking Clubs. These clubs were represented by ten boys and girls from Pennington County at the State Fair, State Livestock Judging Contest and the Livestock Show in South St. Paul. The Sheep Club finished one hundred per cent strong and was by far the most attractive club in the county.

Copies of the Weed Law were sent to all Township Chairmen requesting them to order all noxious weeds cut where possible. In four fields where the wheat crop was poor the entire vegetation was cut and burned just before the blossoms matured so as to prevent them from spreading to clean areas.

J. J. McCANN, County Agent.

## MAHNOMEN COUNTY FARM BUREAU HIGH SPOTS.

The agriculture of Mahanomen County has been, in the past, typical of new agricultural areas. The farmers gave first attention to cash crops. Everything indicated that they had started off to carry out the program of the long settled counties—the program of raising small grain continuously until a lack of fertility, or the abundance of weeds drove them to other and more permanent methods.

The past year has demonstrated that the Mahanomen County farmer

is not going to take the long and expensive route to better and more permanent agricultural methods but is setting out at once to grow live stock and cultivated crops.

Attention has been centered chiefly around Holsteins and Shorthorns. The number of farmers in the county owning one or more pure bred Holsteins has been increased in the past year 500 per cent. Quite a number of these animals have been exceptionally well bred, being rich in the blood of Pietertji Ormsby Mercedes. Farmers owning one or more pure bred Shorthorns have been during the year, increased by 100 per cent. One herd of pure bred Aberdeen Angus comprising 60 head of choice bred animals helps to swell the county's total.

Other classes of live stock, particularly sheep and hogs have been brought into the county by enthusiastic promoters. Chief among these is a herd of pure bred Yorkshire hogs of the Canfield stock. This herd contains the grand champion Yorkshire of the 1919 International Live Stock Show.

Silos have increased in number by 60 per cent.

A potatoe warehouse was built in Mahanomen to facilitate marketing of the, as yet, small acreage of potatoe and to encourage the growing of "land cleaning" crops.

Some attention has been paid to drainage during the past year. An open ditch benefiting approximately 30,000 acres has been laid out. Fourteen farmers have laid tile drains.

VICTOR DRYDEN, County Agent.

## BECKER COUNTY FARM BUREAU WORK.

One hundred new members have been added to the Farm Bureau list during the year.

In 1910, 1360 pounds of formaldehyde were sold in the county as compared with 870 pounds in 1918. This increase should be enough to treat 13,000 acres. As a result of a campaign 151 farmers in the county selected and treated seed for 2076 acres and the majority of these maintained seed plots for next year's seed. The exact value of this work to the county cannot be computed. Our best showing is an increase of 57 bushels per acre due to selecting and treating. These figures mean that the farm bureau has saved Becker county \$25,950 through potato improvement work alone.

Assistance was given to establish warehouses. Definite assistance was given to farmers' warehouses in marketing of their crop. The value of this work to the county is hard to estimate fairly. A total estimate of \$8,000 saved by this work seems conservative.

We did some propoganda work last year to get everybody to try to fight the sow thistle and learn to realize how bad it really is. We continued this work and tried to get community effort to keep it in check.

H. A. NELSON, County Agent.