

THE NORTHWEST MONTHLY



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NO. 6.

Women's Camp Program Complete

Plans for the third annual Women's Camp, which will be held at the Northwest School June 18-21, are now ready and the complete program will be printed in the June issue of the Northwest Monthly. Members of the Ninth District Federated Women's clubs are giving active cooperation in this movement. Mrs. E. E. Green, Crookston, chairman of community recreation for the district, is also chairman of a committee of last year's campers. This year's program then is the result of conferences between Mrs. Green's committee and the Northwest School and it is felt that an exceptionally strong program has been arranged.

Camp Begins Monday Afternoon

The camp will open Monday afternoon, June 18th, with the organization of members and reunion of former campers. This will be followed by an "open house" during the evening. The next three days will be devoted to a continuous program of rest, recreation and instruction. In addition to the "golden horse shoe" and other stunts of last year, several new ideas will be introduced, including the campers' harmonica band. Other stunts listed as "Surprises" will contribute greatly to the fun and good fellowship of the camp.

No Dishes to Wash

Someone else will wash the dishes, plan the meals and look after things at the camp. This freedom from home duties for a few days will mean a great deal to those who attend.

Good Program Arranged

Members of the Northwest School
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SUMMER VISITATION PLANS

For a number of years the Northwest School has followed the plan of inviting community clubs, creamery associations and commercial clubs to visit the institution during the growing season. That these visits have been very much worth while is evident from the large and appreciative crowds attending the demonstrations and inspecting the work of the station. Last year 4101 people spent a pleasant and profitable day with us.

Plans for 1928

This year it is planned to emphasize a few special days instead of the individual community visits of previous years. It is believed that by concentrating on these special events, more

Feeders' Day Program Complete

Plans for the Fifth Annual Live-stock Feeders' Day program, Friday, June 22, are now complete, with an unusually strong program arranged. Speakers will include Dean W. C. Coffey, Professor W. H. Peters, Dr. C. P. Fitch, J. S. Montgomery, H. R. Searles, O. M. Kiser and D. H. LaVoi. These special lectures will include such subjects as "Contagious Abortion and How to Prevent It," "New Developments in Livestock Marketing," "Feeds for the Dairy Cow," "Increasing the Farm Income Through Sheep Production," and

"Feeds for Growing and Finishing Pigs."

O. M. Kiser and D. H. LaVoi of the Northwest School are arranging the tour of inspection of the Station Herds and Flocks, and will supervise the weight guessing contest, which proved so popular last year.

Baby Beef Trial Reported

Visitors

will have an opportunity to inspect the four lots of 32 baby beeves that have been on feed since November 1. These purebred and high grade Hereford calves were purchased from Bolstad Bros., of Fosston. They were bred in Northwestern Minnesota and have been finished on local feeds. The objects of the trial were as follows:

- (1) To determine the practicability of fattening baby beef calves under Red River Valley conditions.
- (2) To compare the value of barley fed as the only grain, to rations in which the barley is replaced in part or entirely by oats.

The calves averaged approximately five months old and weighed 378 pounds per head at the beginning of the 224-day feeding period.



CAMPUS SCENE, NORTHWEST SCHOOL AND STATION

worth while programs can be arranged, as outstanding speakers will be secured to assist the Northwest School Staff.

Dates Announced

June 22—Fourth Annual Livestock Feeders' Day. Speakers for men will include Dean W. C. Coffey, Dr. C. P. Fitch, W. H. Peters, H. R. Searles, J. S. Montgomery, and O. M. Kiser. Work will include beef and dairy cattle, sheep and swine production, livestock marketing and livestock diseases. Miss F. B. Lippitt and Miss Retta Bede will address the women.

July 16—Annual Crops and Soils Day. An especially strong program is being arranged for this occasion. The men will have an opportunity to
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A monthly publication in the interest of
agricultural education and home training for
Northwestern Minnesota.

SCHOOL BULLETIN READY

The school bulletin, containing announcements of courses offered during the year 1928-29 is now ready and will be sent free to anyone interested. According to the bulletin the fall term will open October 1 and the school year will close March 29. There is no tuition and the necessary expenses, including board, room, books, entertainments and flat laundry for the full school year will not exceed \$140 to \$150.

Rooms are now being reserved in the dormitories with 130 reservations reported up to May 17. Rooms are reserved in order of application accompanied by the regular \$2.00 deposit. This deposit applies on the school expenses at the opening of the fall term.

Indications are that the senior and fourth year classes will be the largest in the history of the school. Graduates of the four-year courses meet the entrance requirements of the University, Teachers Colleges or other colleges of the state. The room reservation list includes the names of a large number of new students who are registering early to secure some of the choice rooms in the dormitories.

CROPS AND SOILS DAY JULY 16

The annual Crops and Soils Day at the Northwest Experiment Station will be held Monday, July 16. The entire day will be devoted to discussion of crops and soils problems and the inspection of the Station plots and fields. R. S. Dunham, Agronomist, considers this the ideal time for visitors to see the growing crops and thus familiarize themselves with the work of the Station.

With one special day set aside for a study of crops and soils problems, a large attendance is expected. Consequently every effort is being made to arrange an exceptionally strong program. The speaking program will include noted authorities on "Soils and Fertilizers," the "Crop Market Outlook," and the "Canadian System of Pure Seed Work." These general discussions will be followed by an inspection of the experimental work now under way. The new Marquillo wheat may be seen in a field trial. Dusting wheat with sulphur, spraying quack grass with a chemical, plowing under sweet clover for green manure, controlling weeds with sweet clover

vs. corn and potatoes, and cultural methods with potatoes and sugar beets are some of the important projects under way. New varieties of all important crops may also be seen growing in the plots.

The program, which is under the auspices of the Red River Valley Crops and Soils Association is open to all who wish to come. Special lectures will be arranged for the women and children. It will be an ideal time to plan a family or community picnic. All are invited.

ONE-DAY CLUB CAMPS

The One-day 4-H Club camps proved so popular at the Northwest School of Agriculture last year that the plan will be continued again this summer. These camps, which will be held the latter part of June, will give a large number of boy and girl club members an opportunity to get a taste of real camp life.

Dates reserved for the various counties wishing to send delegations are as follows:

Polk—June 22-23.

Marshall, Clearwater, Red Lake, Mahnomen—June 25-26.

Norman, Kittson—June 26-27.

The boys and girls should plan to arrive late in the afternoon of one day and stay until the following afternoon. According to H. A. Pflughoeft, district club leader, there will be no idle moments as indicated by the following schedule of events. The delegation should reach the Northwest School in time for the picnic supper, which will be served at six o'clock, after which games and stunts will be played. "Old Man Grouch" will then be burned at the stake before going into the auditorium for the movies. The bugle call will be sounded at six the following morning. This will be followed by flag raising and setting up exercises before going to the school dining hall for breakfast. During the forenoon the school faculty will meet with the different groups and discuss the various club projects. Dinner will also be served picnic style. No one should plan to leave for home before four o'clock, as the afternoon has a good time in store for everyone present.

The cost of meals, room and movies will be one dollar. Each boy and girl should bring such bedding as they will need.

COMING EVENTS

Third Annual Women's Camp, June 18-21.

Livestock Feeders' Day, June 22.

Boys' and Girls' One-Day Camps, June 22-27.

Farm Management Tour, June 25.

Polk County Farm Bureau Picnic, June 28.

Annual Alumni Reunion, June 29.

Annual Crops and Soils Day, July 16.

HOME PROJECT WORK POPULAR

Through summer projects, carried on at home under the direction of the faculty of the Northwest School of Agriculture, 168 students have undertaken to earn additional school credit this summer. Fifty-seven girls have registered for home project work in home economics. Dress making is the most popular project with thirty-seven girls enrolled.

One hundred and eleven boys have enrolled in agricultural projects, including potato production, pure seed, baby beef, swine and sheep raising, and concrete work. Seven students also will earn school credit by assisting in boys' and girls' club work in their communities.

A project in plant identification has been offered this summer for the first time. Twelve students have enrolled in this project and will collect, mount, and identify at least seventy-five weed plants, under the supervision of Professor T. M. McCall.

The potato project has been undertaken by thirty-seven boys, each of whom will grow a special seed plot, using at least 100 tuber units or 25 hill-selected lots. Special emphasis will be placed upon seed treatment and field spraying practices. Pure seed grain production also is a popular project this year. Velvet barley, Gopher oats, and Linota flax will be grown on a pure seed basis by twenty-one students.

The projects will be visited from time to time by D. H. LaVoi and E. R. Clark, home project supervisors. Miss Retta Bede will have charge of home economics projects.

WOMAN'S CAMP PROGRAM COMPLETE

(Continued from Page 1)

faculty assisting with the program include Miss Fanny Lippitt and Miss Retta Bede, of the home economics department, T. M. McCall, horticulturist, A. M. Pilkey, poultryman and A. H. Larson, registrar. Miss Clara Baldwin, state librarian for Minnesota, Miss Marye Dahnke of the Kraft Cheese Company, Chicago, Miss May McDonald, of the Certo Corporation, Rochester, New York, and Miss Mary Hiltz, head of the nutrition section of the home economics department of the Manitoba College of Agriculture, have also been engaged to assist with the lectures and demonstrations during the week. In addition there will be addresses by representatives of the Federated Women's clubs, while the Federated clubs of Crookston will again assist as hostesses and take part in the stunt program on Wednesday night.

Reserve Rooms Early

The above is a brief outline of the general plan of the camp. The expense for the period will be \$3.75. All who come should bring their own bedding. Rooms should be reserved early so that proper arrangements can be made for the comfort and convenience of all who attend. In writing kindly mention whether you wish to be in the quiet or the noisy dormitory.

ALUMNI REUNION JUNE 29

On June 29 all alumni and former students of the Northwest School are expected to pack the old suitcase and start out bright and early on foot, by ox-cart, car or airplane for their Alma Mater. The occasion is the annual Alumni Reunion. These annual gatherings are attracting an increased number of alumni and students with each passing year.

In the past nature has unfortunately been none too generous in the way of weather. In fact it has rained on every annual reunion to date. This problem has been turned over to the research staff of the station, and as usual the question solved for all time to come. R. S. Dunham, Agronomist, reports that his records covering the past seventeen years show conclusively that June 29 has been a "rainless day." Hence it would appear safe to leave the old raincoat at home, and come prepared for a typical Valley summer day.

The committee, of which Dr. Harry Hedin, East Grand Forks, president of the Alumni association, is chairman, is working on plans for the session. An invitation has been sent to Congressman C. G. Selvig and it is hoped that his official duties will permit his acceptance. Class reunions are being planned, along with a full schedule of games and contests. The dance and party for the evening, is being arranged by the athletic association, with Coach D. H. LaVoi and a committee of former athletes in active charge. The class of 1918 will be the class of honor this year and the vice president, Mrs. Clifford Knutson (Anna Johnson), Fisher, is urging all of her classmates to be present. Dr. Hedin states that his committee would appreciate suggestions for the reunion and asks that such suggestions be mailed to him at East Grand Forks.

FESTIVAL DANCE

Be sure to attend the football festival dance on June 29th (Alumni Reunion Day). The alumni association has kindly turned over this part of the program to the 1928 football team. A number of new features will be included in the evening program with the idea of making this the biggest and best dance ever arranged at the Northwest School.

Proceeds will be used to purchase uniforms for the increasing number of students taking part in the athletic events. Come and bring your friends. Your help will make this a big success. Remember the date—June 29.

FOOTBALL SCHEDULE

BEING ARRANGED

Plans are already under way for the 1928 football season. With the keen interest shown in last year's games, Coach LaVoi and T. M. McCall, chairman of the athletic committee, are making a special effort to arrange an attractive schedule. The opening game of the season will be with Red Lake Falls on the home

field, October 6. Morris Aggies will be played on October 27, one week later than usual. This will be our Annual Home Coming game. The final game of the season will be with Bemidji Teachers' College on Armistice Day. Thief River Falls, East Grand Forks, and Model High are expected to make up the rest of the schedule.

With eleven lettermen lost through graduation, this year's team will start the season without experience. Gaping holes were left in the ranks by Captain Stenborg, C. Widseth, Ostlie and Engman. The remaining regulars and reserves of the 1928 season, headed by Captain-elect Wardeberg are, however, expected to give a good account of themselves and to develop into a formidable aggregation. Coach LaVoi understands that a large number of new men are planning to report for practice next fall; hence, he considers the outlook far from gloomy.

EIGHT SCHOLARSHIPS OFFERED IN LEADERSHIP

Eight scholarships of at least \$50 each will be offered to boys and girls of Northwestern Minnesota who carry on the best work in community leadership during the summer of 1928. These scholarships, made available through the Caleb Dorr Scholarship fund, are open to any boy or girl enrolled in leadership work and will be used to apply on school expenses at the Northwest School during the year 1928-29. All interested in these awards should write their local county agent or Superintendent A. A. Dowell, Crookston.

DISTRICT COUNTY AGENT CONFERENCE

County agents and extension workers from Northwestern Minnesota met at the Northwest School May 8-9 for a two-day conference and school of instruction. Plans were outlined and ideas exchanged regarding methods of increasing the usefulness of the work during the coming year. Northwestern Minnesota has an outstanding group of county agents, who are doing very effective work, as shown by the interest adjoining counties without agents are taking in initiating similar service. These meetings were presided over by C. L. McNelly, district county agent leader. Among the speakers were Miss Julia O. Newton, state home demonstration agent for Minnesota; T. A. Erickson, state club leader; Dr. W. A. Billings, Dr. C. H. Eckles, chief of dairy husbandry division, University Farm; W. A. Peck, in charge of tuberculosis eradication work in Minnesota; A. H. Wick, of the Agricultural Credit corporation; D. C. Dvoracek, marketing specialist, University of Minnesota, and F. E. Balmer, county agent leader.

Extension Division Will Increase Service

According to Miss Newton, the extension division has just recently employed a child training specialist who will report for duty July 1. This ser-

vice will be available in organized counties. According to Mr. Balmer, there are now ten county agents in the thirteen Northwestern Minnesota counties. Mr. Balmer reported increased interest in county agent work not only in Northwestern Minnesota but throughout the state as a whole. Mr. T. A. Erickson outlined the new club prospects which have been organized during the year. He estimated the 1928 enrollment in 4-H Club work at well over the 30,000 mark, which is a decided increase over past records. Marketing schools will be held in Minnesota this fall, according to Mr. Dvoracek. These schools will be in the nature of agricultural outlook short courses.

Livestock Questions Discussed

In addition to the round table discussions where particular problems were considered, there were explanations of recent developments in livestock feeding and sanitation by Dr. Eckles and Dr. Billings. Dr. Billings outlined work in sanitation as applied to poultry, turkeys, and sheep, with particular reference to conditions in Northwestern Minnesota. Dr. Eckles summarized feeding trials, showing that mineral deficiency in cattle can be remedied and emphasized the fact that chewing bone, wood, and rubbish by cattle was evidence of such deficiency. This can be supplied directly in the feeds, bone meal being suggested as a practical source of phosphorus and calcium, or the trouble may be remedied by the application of proper fertilizer to the soil, thus providing the necessary elements for the growing crops.

Space does not permit a full account of the worth while discussions. All who attended the meetings, however, agreed that it was one of the successful district conferences of the season.

COUNTY AGENTS GIVE SERVICE

That county agents of Minnesota are rendering more valuable service each year is indicated by figures presented by F. E. Balmer, county agent leader, showing the growth during the past ten years. Some of his figures were as follows:

	1918	1927
Office calls	71,671	137,802
Telephone calls	79,762	107,588
Letters written	114,354	154,283
Farmers using commercial fertilizer	35	1,942
Tons fertilizer used....	93	3,277
Farms growing alfalfa	1,217	7,115
Farms growing sweet clover	64	2,808
Cow testing associations	16	88
Unprofitable cows discarded	234	1,577
Farmers aided in livestock rations	379	4,000
Minnesota alfalfa acreage	50,000	600,000
Minnesota sweet clover acreage		182,764

FERTILIZERS FOR RED RIVER VALLEY SOILS

The response to commercial fertilizers varies so much from farm to farm and even from field to field that one is not wise to purchase these in any considerable amount before taking inexpensive trials on his own fields, according to R. S. Dunham, Agronomist at the Northwest School and Station. Results obtained on one farm may not apply to other farms in the neighborhood. Nor do the results obtained upon the Northwest Station plots necessarily apply to any large area.

The few general statements that may be made are as follows:

(1) Phosphate fertilizers are of the most importance in the Valley.

(2) Phosphate fertilizers generally show a beneficial effect on alfalfa, clover and sugar beets.

(3) If phosphate fertilizer shows a beneficial effect on clover or alfalfa, it should be tried on the other farm crops.

(4) Where phosphate fertilizers show a beneficial effect on wheat or corn, earlier maturity of these crops may usually be expected.

Nitrogen

This plant food is most cheaply supplied by the application of manure or the plowing under of sweet clover.

Phosphate

There are two common phosphate fertilizers in use in Minnesota: acid phosphate and treble super-phosphate. They contain the same plant food, but in different amounts. The acid phosphate contains from 16 to 20 per cent of phosphoric acid and the treble super-phosphate about 45 per cent. One is simply a more concentrated product than the other.

Treble super-phosphate may well be tried at the rate of 100 pounds per acre; 20% acid phosphate at 200 to 250 pounds per acre; and 16% acid phosphate at 250 to 300 pounds per acre.

Complete fertilizers also carry phosphate in varying amounts as indicated by the guaranteed analysis. Such analyses consist of three figures, thus: 2-8-1. The first figure refers to the percentage of nitrogen or ammonia. The "8" refers to the percent of phosphoric acid. The "1" refers to percent of potash.

Although phosphate fertilizers have shown a general response when applied to alfalfa in the Valley, there is no certainty of their response on this or any other crop. Two or three pounds of 20 per cent acid phosphate are sufficient for a trial. A plot two rods square equals one-fortieth acre on which 2½ pounds of treble super-phosphate or six pounds of 20 per cent acid phosphate will furnish the recommended rate of application.

In making such a trial, care should be taken to locate the plot so that it may readily be found a year or two later.

Peat lands are very deceptive. When cleared and cultivated they look rich, mellow and productive. **Some of them are; many are not.** They can

be made profitably productive of hay and pasture by supplying some element that is lacking. Nearly all of our peats need phosphate.

POULTRY POINTERS

Why not make June first "Rooster Day"? asks A. M. Pilkey, Poultryman at the Northwest School and Experiment Station. Poultry raisers of this territory suffer heavy losses each summer due to fertile eggs. It is estimated that two eggs in every dozen are graded out at time of candling. According to Mr. Pilkey a fertile egg will start incubation in twenty-four hours if kept at a temperature of seventy degrees, and hence be unfit for table use. Fertile eggs apparently spoil as quickly as milk during warm weather.

At the close of the hatching season every male bird should be sold or separated from the rest of the flock. Experiments show that hens will actually lay more eggs after separation than when males and females are allowed to run together. The selling price of eggs can be materially enhanced by practicing the following suggestions:

1. Kill, sell or separate all mature male birds by June 1.
2. Confine or sell all young cockerels after July 1.
3. Keep nests clean, and provide one nest for every six hens.
4. Gather eggs twice daily during hot weather.
5. Keep eggs in a cool, dry, well ventilated place.
6. Market eggs at least twice a week.

SONG BOOKS PRINTED

A new supply of community song books has just been printed in response to the urgent demand for these pamphlets. The list of songs has been revised by A. H. Larson, who had in mind songs adapted to community and 4-H club gatherings. The printing of the new song books was made possible through the cooperation of the Red River Valley Winter Shows and the Red River Valley Livestock Breeders' association. A limited number of copies may be secured upon request.

SUMMER VISITATION PLANS

(Continued from Page 1)

inspect the station fields and plots and hear leading authorities on crops and soils problems. Miss Lippitt and Miss Bede will have charge of the women's work.

Other special days may be announced later. On all such days special programs will be arranged for the men, the women, and the children.

All community organizations are invited to plan their annual visit to the Northwest School and Station on one of these special days. Bring your picnic dinner and make the event a real community affair. The school will again be glad to furnish coffee, cream and sugar to all who attend. The

school grounds are becoming more beautiful each year and hence offer an ideal place for the community gatherings.

PERSONALS

Miss Rosalia Polski is studying piano with Mr. Edward Collins of the Chicago Musical College. Miss Polski had the honor of appearing in a recent program presented by artist students at the Minturn Central Theatre, Chicago.

Miss Retta Bede of the Home Economics staff writes that she is enjoying a most delightful vacation at her home in Duluth.

Carl Widseth, '27, is spending the summer working with the United States Corn Borer control organization, with headquarters at Meadville, Pennsylvania.

H. C. Rutt of the Agricultural Engineering department, is completing his undergraduate work at the University of Illinois. He is specializing in the comparatively new field of rural electrification.

Miss Ann Simley is enrolled at the University of Wisconsin and expects to complete her master's degree this summer in English and public speaking.

Mr. D. A. Milligan was married on April 28 to Miss Irene Records, of Champaign, Illinois. They will live at Oak Harbor, Ohio, where Mr. Milligan has his headquarters in connection with his work with the corn borer control of some of the Eastern states.

Mr. and Mrs. W. V. Gousseff, of Des Moines, Iowa, announce the birth of a son, James William, on April 12, 1928. Mr. Gousseff was formerly in charge of the livestock department at the Northwest School.

Miss Katherine Kneeshaw, former English instructor at the Northwest School, recently returned to her home at Pembina, North Dakota, after having spent the winter in Texas and on the Pacific coast.

A. H. Larson will speak on "Moth-ers Camps" at the meeting of the Stearns county Federated clubs at Paynesville, May 25.

H. P. Constans, also a former instructor, has been on leave of absence from the University of Wyoming, and expects to complete his work for a master's degree in public speaking at the University of Iowa, next month.

Superintendent P. E. Miller and A. W. Edson, of Morris, visited at the Northwest School May 15.

A letter from Newell Lee, '18, who is cashier in the bank at Badger, stated that John Kappes, '21, is rural mail carrier at Badger, and that the Jensen Bros. are real farmers in that community. The three brothers are Richard, who attended in 1920-21 and 1922-23, Camby, who attended in 1919-20, and Manford, who was in school during 1920-21.

LaVern Peterson, '22, is connected with the North Loup State Bank, at North Loup, Nebraska.