

# THE NORTHWEST MONTHLY

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## 4-H Club Week to Be Held June 2-7

More than 1,000 boys and girls from 4-H clubs throughout the fourteen Red River Valley counties will gather at the Northwest School of Agriculture at Crookston on the week of June 2 to 7 for three-day camp sessions. The club week this year marks the thirtieth anniversary of the founding of the Junior Short Course or 4-H Club Week at the Northwest School.

In order to accommodate the number of club members who wish to attend, it has been necessary to divide the Red River Valley area into two sections and allot three days for each division. The counties in the south half of the Red River Valley will send their club members to the three-day camp on June 2, 3, and 4; counties included in this group are Becker, Clay, East and West Ottertail, Mahnomen, Norman, and East and West Polk. On June 5, 6, and 7 the counties in the northern area will send their 4-H club members; counties in this group are Clearwater, Kittson, Lake of the Woods, Marshall, Pennington, Red Lake, and Roseau.

Music and dramatic groups to represent the fourteen Red River Valley counties at the 4-H Club Week have now been selected.

A comprehensive recreational program has been planned for 4-H Club Week under the direction of R. J. Christgau who will be assisted by 4-H club leaders and Works Progress Administration recreational leaders from Crookston. The new plan of conducting sports at the camps this year will eliminate the keen rivalry between club groups and at the same time draw a larger number of club members into the sports. The students, after registration, will be assigned to groups for the sports activities irrespective of county lines so that all students may get instruction in all sports. This plan of organizing sports will be given a trial this year.

A staff of eighteen specialists has been secured to give instruction at the 4-H Club Week. Outstanding authorities in their respective fields will be present the entire week to bring the latest information to boys and girls on their different club projects. In addition to the regular instructional staff for the work, county club agents, adult local leaders, and

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## Sixteenth Annual Women's Camp, June 9-12

A program of more than general interest has been arranged for the sixteenth annual Women's Camp which opens on Monday afternoon, June 9, at the Northwest School. The three-day camp, which closes on Thursday, June 12, features instruction, rest, and recreation for homemakers. The faculty program committee has acceded to the wishes of the campers in arranging a not too strenuous program with opportunities for handicraft, rest, and recreation between lectures and demonstrations.

The school has been fortunate this year in securing outstanding specialists in a number of fields as instructors, lecturers, and demonstrators. Miss Retta Bede, home economics specialist, and Registrar J. W. Mlinar will again act as camp leaders. Lecturers and demonstrators for the camp include Darlene Knowles, research specialist in home economics, North Dakota Agricultural College, Fargo; Mrs. Ethel Hennemuth, drapery and curtain specialist, Panovitz Furniture Company, Grand Forks, North Dakota; a food demonstrator from General Mills, Inc.; Dr. C. L. Oppegaard, Mrs. D. A. McKenzie, and Mrs. E. W. Eagle of Crookston; and members of the Northwest School staff.

Special features of the 1941 Women's camp are reunion and reception, June 9; camp banquet, June 11; freshmen initiation, movies, and refreshments, evening of June 11; special movies, June 10; camp picture, June 10.

Handicraft work to be featured this year includes making of table favors and decorations, knitting, and wood-

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## Plans Announced for Alumni Reunion, June 28

The class of 1911 will celebrate its thirtieth annual reunion this year on Alumni Reunion day, June 28, at the Northwest School. Members of the '11 class should use the school as a clearing house for information concerning their whereabouts and whether or not they can attend the reunion. Alumni nearby the school can then arrange a program.

The class of 1916 is making elaborate plans for their twenty-fifth anniversary. Paul Engelstad, chairman of the twenty-fifth anniversary committee, has asked that all '16's observe the following notice: "The request for material for the History Album to be sent in by members of the 1916 class has met with good response, and the work of preparing the album is progressing nicely. There are a few members who, no doubt, have been busy and have not taken time out to write up their history. The pictures can be sent in at a later date and inserted in the album, but the other information must be sent in at an early date."

Other five-year graduation groups with reunions scheduled for this year include classes of '21, '26, '31, '36.

## New Girls' Dormitory Assured

The 1941 state legislature appropriated \$90,000 to the University of Minnesota for construction of a new girls' dormitory at the Northwest School. The University Board of Regents placed the dormitory at Crookston on the approved list of buildings urgently needed by the University. The original request on the proposed budget called for \$149,000, which sum was considered es-

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THE WOMEN PICTURED ABOVE ATTENDED THE WOMEN'S CAMP IN 1940



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THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE.

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

### 1942 Aggie Board Announced

When the 1941 "Aggie", senior class yearbook, was distributed to the student body on Senior Day, March 20, announcement was made of the 1942 Aggie Board. The Board includes the following members of last year's Junior class: Vernon Hoppe, Crookston; editor-in-chief; Dale Barry, Downer, and Clara Syverson, McIntosh, associate editors; Berneil Nelson, Hallock, and Donald Milner, Clearbrook, organizations; Mary Pastuck, Hallock, and Roland Morrison, Dalton, classes and faculty; Irene Olson, Halstad, and Harold Aasland, Warroad, features; Alice Reitmeier, Crookston, and Robert Anderson, Mahnomen, athletics; Philip Hayes, Pencer, business manager; Harold W. Anderson, Argyle, and Carlton Knutson, Ashby, advertising managers.

In accordance with a plan inaugurated several years ago, freshmen have been added to the Aggie Board to acquaint them with the responsibilities of publishing the school annual. Last year's freshmen who, as Juniors next year, will help in the publication of the 1942 Aggie are: Doris Boehmer, Pelican Rapids; Gordon Bredeson, Gatzke; Gene Johnston, Angus; Jaroslav Kruta, Gatzke; Glenn Magnuson, Grygla; Gunhild Nesland, Grygla; Marjorie Ofstedahl, Plummer; Doris Olson, Beltrami; Angeline Quantock, Argyle; and Roger Simmons, Gatzke.

PLAN TO ATTEND  
ALUMNI REUNION  
JUNE 28

### Livestock Association Pays Mortgage

Mortgage burning ceremonies will be a feature of the 1942 meeting of the stockholders of the Red River Valley Livestock Association. 2816 livestock producers, farmers, and businessmen, shareholders in the Red River Valley Livestock Association, now own free from incumbrance Winter Shows property in Crookston, Minnesota, worth \$70,000. President T. M. McCall of the Livestock Association and Winter Shows Board of Managers states that the last \$2500 of mortgage indebtedness against the property has been paid and that the dreams of the founders of the Winter Shows have now been realized. The holders of 6248 non-profit shares of stock are scattered through the fourteen counties of the Red River Valley. The Chambers of Commerce of St. Paul, Minneapolis, Duluth, Crookston, and other cities made substantial contributions to the Shows.

The Red River Valley Livestock Association is unique in the history of such organizations in that its ownership of property for the holding of a Red River Valley Winter Shows is the outgrowth of an unselfish desire on the part of older Valley-wide organizations such as the Minnesota Red River Valley Development Association, Red River Valley Dairymen's Association, Minnesota Poultry Association, and Crops Association for a home for the Valley Winter Shows. The dream for buildings for the Winter Shows took shape quickly after the visit in 1917 of the founder of the Winter Shows, C. G. Selvig, and the present president, to the buildings and grounds of the Brandon, Manitoba, Winter Fair. The Red River Valley Development Association sponsored the erection of buildings at their summer meeting in Warren, Minnesota, in 1918; the Livestock Association was then formed and incorporated in October 11 of that year. Building operations on the Livestock Association Pavilion started immediately after the signing of the Armistice on November 11, 1918. The first of the three buildings was completed for the February Winter Shows in 1919. The two other

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### Attention Alumni

The attention of all graduates of the Northwest School is called to the dues for obtaining regular membership in the Northwest School Alumni Association; alumni fees are \$1.00. If you have not already paid your alumni dues, mail your check to accountant's office, Northwest School.

Officers of the Northwest School Alumni Association: Howard Balk, Bagley, president; Robert Larson, Crookston, vice president; Rodney Lindstrom, Thief River Falls, treasurer; Melvin Soderberg, Hallock, secretary.

### SIXTEENTH ANNUAL WOMEN'S CAMP, JUNE 9-12

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craft. A variety of articles in woodcraft can be made and finished while at camp.

The daily schedule to be followed during the camp will be: meals—breakfast, 8:00 A. M.; lunch, 12:30 noon; dinner, 6:00 P. M.; community singing and visual aids program, 9:00 A. M.; lectures and demonstrations, 9:45 to 10:30 A. M. and 2:15 to 3:30 P. M.; handicraft work, 10:30 to 12:15 A. M.; special music, 10:00 A. M.; rest period, 1:00 to 2:00 P. M.; coffee hour, 3:30 P. M.; swimming, 4:00 P. M.; outdoor games.

#### General Information

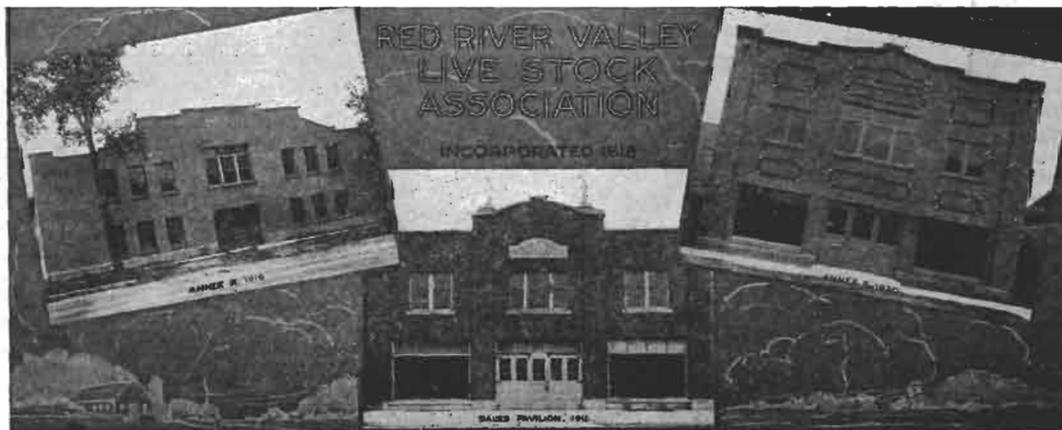
Campers have agreed to dress comfortably and sensibly for all occasions. The total expense for board, room, and entertainment beginning with the Monday evening dinner and continuing through the Thursday noon luncheon, will be three dollars.

As dormitory rooms are equipped with necessary furniture only, it will be necessary for camp members to bring their bedding, including blankets, sheets, and pillows, and towels. Also such items as pencils, notebooks, umbrellas, and rubbers should be included.

Registration for the 1941 camp will start at 3:00 P. M. on June 9 and the camp will officially close with the coffee hour at 3:00 P. M. on Thursday, June 12.

The camp is open to all women in Northwestern Minnesota.

For room reservation or additional information, write to the Northwest School, Crookston, Minnesota.



THE HOME OF THE WINTER SHOWS

The Red River Valley Livestock Association now has clear title to the three buildings shown above.

### 4-H Members Receive Nursery Stock Awards

Seventeen 4-H boys and girls in Northwestern Minnesota received their nursery stock prizes on April 30 from the Red River Valley Development Association. The Red River Valley Development Association has now for a number of years encouraged the planting of trees by 4-H club members to the extent of setting aside \$100 for prizes to be allotted among the counties of the district for excellence in the planting work. The directors of the Association decided that the prize money could best be spent in the purchase of additional planting stock, and as a result have sent from 100 to 200 trees or hedge plants to each county winner. The Association this year has sent 100 caragana hedge plants 18" to 24" high to each of the two or more winners in each county.

One hundred caragana set one to 1½ feet apart will make a protecting hedge for a garden or a much needed natural snowfence.

The Development Association, at the February meeting, appropriated \$100 for prizes for the 1941 tree planting project, prizes to be awarded in the spring of 1942 to winners in the fourteen counties of the Red River Valley Development Association area.

4-H boys and girls who received nursery stock as prizes for the 1940 project were: Eugene Storla, Baudette; Richard Storla, Baudette; Dick Fitzsimmons, Argyle; Dorothy Lofberg, Argyle; Reed Lamberson, Warren; James Page, Beltrami; Margaret L. Krueger, East Grand Forks; Elton Oberg, Angus; Raymond Auer, Waubun; Vernon Mattson, Waubun; James Jorde, Thief River Falls; Leroy Thoreson, Goodridge; Norman Claypool, Underwood; Elton Nelson, Battle Lake; Harley Iverson, Fosston; Roderick Fishback, Fosston; Leon Schultz, Ross.

Dr. Elmer S. Miller, '25, is now Assistant Professor in Botany, University of Minnesota, Minneapolis.



SCENE FROM "COFFEE HOUR," 1940 WOMEN'S CAMP



HANDICRAFT WORK AT 1940 WOMEN'S CAMP

### Training School Held for Recreation Leaders

The swimming pool and dormitories at the Northwest School have been made available for a twelve-day period to Works Progress Administration recreation leaders of the Red River Valley counties May 19 to May 29, inclusive.

Forest Gustafson, director of the Bemidji recreation leadership training school, is conducting the school. He is assisted by several other accredited Red Cross life saving instructors.

Forty WPA recreation leaders from various communities in northern Minnesota are attending the course. Leaders are being given the regular swimming, first aid and life saving courses and tests as they are prescribed by the American Red Cross. At the completion of this work, the various leaders will be assigned to conduct swimming and waterfront activities in their local communities.

PLAN TO ATTEND  
ALUMNI REUNION  
JUNE 28

### Fertilizer Deficiencies Shown In Plant Juices

The results of technical observations being made by Dr. Elmer S. Miller in botanical research at the University of Minnesota, in the field of plant physiology, will be of great value to Red River Valley farmers and crop producers everywhere. Minnesota scientists can now tell through the study of spectroscopic photographs of the stem juices of plants whether the plants are getting from the soil the minerals that they need for normal healthy growth. This method of study of plant juices may indicate a deficiency of necessary plant food elements in the soil, or in case fertilizers are applied whether or not the plants are getting the nutritive elements. Plant juices from potato plants on various potato fertilizer plots from several soil types in the Red River Valley have been tested now for the past two years. The testing of juices from the leaves of plants proved far less satisfactory than the present method of utilizing stem juices.

Dr. Elmer Miller, an alumnus of the Northwest School, is doing the research work on stem juices under the direction of Dr. George O. Burr. This method of studying plant juices has been evolved from five years of study by scientists from the departments of horticulture, soils, botany, and plant physiology at the University of Minnesota.

Dr. Miller evaporates the stem juices of a plant he is examining and places the resulting powder on the electrode through which an electric current is passed. By studying the resulting picture, he can tell what minerals the plant lacks, which ones it gets enough of and the like. These lines he calls the "fingerprints" of the plant, the scientific term being "emulsion spectra."

Physicists long ago learned that when spectroscopic photographs are made of certain materials, the chemicals contained in them can be determined by the arrangement of lines on the plate and by their place in the spectrum, indicating color. It was by such process  
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#### 4-H CLUB WEEK TO BE HELD JUNE 2-7

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county agents will be present to assist with each of the club groups.

The regular staff for the week will include H. A. Pflughoeft, district club agent, camp director; J. W. Mlinar, Registrar, Northwest School; J. Clark Rhodes, Parker Anderson, Norton Ives, Juanita Silcox, Norman Goodwin from the Agricultural Extension Division, University Farm, St. Paul; T. W. Gulllickson, Division of Dairy Husbandry, University Farm, St. Paul; Gladys M. Johnson, editor of 4-H club section of Successful Farming magazine, Des Moines, Iowa; Frances Cowing, home economics specialist, Servel Inc., Evansville, Indiana; a canning expert from the Kerr Glass Company; Wm. Munch, Minnesota Department of Conservation. Staff members from the Northwest School giving instruction during the week will be Miss Retta Bede, R. J. Christgau, A. Kirk Crawford, R. S. Dunham, A. M. Foker, O. M. Kiser, R. E. Nylund, and A. M. Pilkey.

County club leaders are now busy checking up the county registrations for the camps. The camps have been arranged early enough this year to avoid conflicts with the June county fairs.

#### NEW GIRLS' DORMITORY ASSURED

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sential for a sixty-room fireproof structure. The University Board of Regents has authorized the architects to draw up plans and specifications to submit for approval as a Works Progress Administration project. If the building can be built as a Works Progress Administration project, a building with sixty rooms may be constructed; if no supplemental funds are available then a much smaller building will result.

A building of sixty rooms is required to take care of the present enrollment of girls. A building of this size would then release the present girls' dormitory for boys and provide much needed rooms for the department of music.

The location of the new building will be dependent upon the funds finally available for the project. The site south of Robertson Hall will not be large enough to accommodate a sixty-room building; the alternative site is located on the quadrangle south of Senior Hall.

Much credit for securing the new dormitory must be reflected to the Investigating Committee from the House of Representatives and State Senate for their reports on the dormitory needs of the Northwest School.

#### COMING EVENTS NORTHWEST SCHOOL Crookston

June 2-7—4-H Club Week  
June 9-12—Women's Camp  
June 15-23—Y. W. C. A. Camp  
June 28 —Alumni Reunion  
July 15 —Crops and Soils  
Day

#### LIVESTOCK ASSOCIATION PAYS MORTGAGE

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buildings, livestock barn and industrial building, were completed in 1920 and 1921 respectively.

The Red River Valley Winter Shows and Northwest School Farmers' Week, after the completion of the livestock buildings, made rapid growth in size and effectiveness. Two additional buildings, the Armory and Presbyterian Church, were required for the day and evening meetings. In more recent years, the Armory and Central High School auditorium, with a combined seating capacity of 2700 persons, has been required for the various meetings.

The livestock division of the Winter Shows in 1919 received wide publicity when 115 head of purebred livestock was sold for \$23,339 and when one Holstein cow sold for \$2650, and a Poland China boar brought \$480.

The Minnesota Legislature early recognized the development possibilities of a district livestock association and appropriated \$2,000 for livestock premiums at the 1919 session. Annual appropriations reached a high point of \$5700 just prior to the depression in 1931-33 and have since remained at \$4700. The fourteen counties of the Red River Valley area supplement annually the state appropriations with grants ranging from \$1200 to \$1400 for the crops division of the Winter Shows. Total premiums offered to adult and 4-H club livestock, crops, and poultry producers amount to more than \$6,000. The shows and meetings attract an annual attendance of 15,000 to 20,000 admissions.

Much credit for the success of the enterprise is due the founder, C. G. Selvig, former superintendent of the Northwest School and Station and later congressman from the Minnesota Ninth Congressional District, and the members of the board of directors who served since the organization was founded.

C. G. Selvig served as president of the Association until September 25, 1935, at which time A. A. Dowell, then superintendent of the Northwest School, was elected and served until he moved to St. Paul in 1937. T. M. McCall, the present president, has been re-elected annually since 1937. The present officers and directors of the Red River Valley Livestock Association are T. M. McCall, Crookston, president; J. H. Sargent, Crookston, vice president; O. M. Kiser, Crookston, secretary; A. A. Habedank, Ada, treasurer. Directors include officers named and Paul Engestad, Thief River Falls; C. U. Brantner, Georgetown; E. E. Carmen, Ada; P. M. Finkenbinder, Crookston; O. A. Flaatt, Fisher; and William Strickler, Angus.

#### County Agents Hold Conference At School

The county extension agents of the Red River Valley area met at the Northwest School on May 23 for a conference. C. L. McNelly, district county agent leader, was in charge of the meeting. In attendance at the conference, in addition to the county agents,

(Continued in Col. 3)

## PERSONALS

\*\*\*Allan Hoff, '37, has been appointed Assistant County Agent in East Otter-tail county and is located at Perham, Minnesota.

\*\*\*Dorothy Setterholm, '38, is enrolled at the Bemidji State Teachers College. She is a member of the college choir. The choir presented a program over WDAY, Fargo, on May 26.

\*\*\*Alta Torkelson, '37, a recent graduate of the School of Nursing, Deaconess Hospital, Grand Forks, N. D., is now employed as a nurse at the Bethesda Hospital, Crookston.

\*\*\*Harry Coulter, '36, visited the campus on May first while on a two weeks furlough. He is enlisted in the United States Navy and has been stationed in China and the Philippine Islands for the past two years. He has re-enlisted for four years and has been assigned to the Atlantic coast.

\*\*\*Joe Widseth, '37, a student in the College of Agriculture, University of Minnesota, St. Paul, was recently elected treasurer of the Young Men's Christian Association of the Ag campus.

\*\*\*Raymond Higgins, '37, a student in the College of Agriculture, University of Minnesota, St. Paul, was first place winner in the final Ag campus oratory contest which was held on May 5.

\*\*\*Carl Gronberg, Jr., Sp., of Climax is employed by the Lockheed Aircraft Corporation, Glendale, California.

\*\*\*Harold Sanden, '35, a senior in the College of Agriculture, University of Minnesota, St. Paul, served as general chairman for the annual Ag Royal Day held on May 10 on the Ag campus. Ray Higgin, '37, served as business manager for this event.

\*\*\*Donovan Haak, '39, is employed by the Douglas Aircraft Corporation at Santa Monica, California.

\*\*\*Carl Widseth, '27, field representative for the Portland Cement Association, with headquarters in Minneapolis, will be at the Northwest School during 4-H Club Week, June 2-7. Mr. Widseth will give instruction in the use of cement.

\*\*\*Edna Hoppe, '38, is serving as county club agent in Red Lake county.

#### Marriages

\*\*\*Evelyn Bierbaum, '29, to Milford Peterson of Warren on April 12. They will make their home at Warren, Minnesota.

\*\*\*Nelda Mjelde, '33, to Mr. Lawrence Thompson of Fargo, North Dakota, on May 23.

#### FERTILIZER DEFICIENCIES SHOWN IN PLANT JUICES

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that scientists determined the relative amounts of different gases in the sun. The system is a direct equivalent of the blood test a physician might make on a patient who came in complaining of anemia.

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were H. L. Harris and Paul Johnson, both of the Office of Publications, University Farm, St. Paul.