

# Northwest School News

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Crookston, Minnesota, June-July, 1953

NUMBER 4

## More Than 4,000 Attend Hay Field Day

A record crowd of more than 4,000 persons jammed the side line ropes around the hay and alfalfa silage demonstrations at the Hay Field Day held at the Northwest School and Experiment Station on June 23. Farmers and implement dealers were in attendance from Minnesota, North and South Dakota, Wisconsin, and several from Illinois. A representative from the McKee hay field chopper, Ontario, Canada, brought his field chopper 1100 miles to participate in the hay-making and silage-making demonstrations.

Some 150 pieces of hay and silage making machinery were on display with opportunity given to all exhibitors to demonstrate their machinery under field conditions.

In preparation for Hay Field Day, some twelve acres of hay was removed from land adjacent to the demonstration field for the display of the hay-making and silage-making equipment. Some six acres of hay, part standing and part in windrow, were left for the machines to practice on and be in adjustment for the demonstrations on Tuesday. Twenty acres of land were used for the parking of automobiles of visitors at Hay Day and the display of farm machinery. Twenty acres of alfalfa were used in the hay and silage-making demonstrations. Ten acres of that amount was cut on Saturday, June 20, for the demonstrations with hay rakes, hay balers, and hay choppers. A heavy rain on June 20, together with 0.01 inch of rain on the morning of June 23, prevented the proper curing of the hay in the swaths, so that the major portion of the cut hay was chopped and put in the silo. By late afternoon, some of the hay in the field was dry enough for baling. Much of the green hay, which was baled, had to later be re-baled after curing.

The latest models of the leading brands of hay-making equipment were demonstrated under field conditions. Operators of hay and ensilage choppers furnished their own racks, dump wagons, etc., to haul the hay or ensilage which they prepared.

Organization work for the Hay Field Day was a cooperative enterprise between the Minnesota Institute of Agriculture, Northwest School and Experiment Station, Minnesota Agricultural Extension Division, the Farmer Publication, and the Minnesota Association of Implement Dealers.

The program for the day consisted of field demonstrations of hay-making equipment on dry hay; a speaking program beginning at 12:30 Noon, with music by the Crookston High School

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## Class Of '13 Tops Alumni Reunion Attendance Records

Alumni and former students of the Northwest School of Agriculture from a wide area attended the annual reunion at the school on Saturday, June 27. The two classes which met for an all-day reunion were the classes of 1913 which observed its 40th anniversary, and the class of 1928 which observed its silver anniversary. The class of 1913, with 55 per cent of the class members present for the reunion, has topped all class reunion attendance records. Mr. and Mrs. A. M. Pilkey, class advisers of the 1928 class, joined with the fourteen returning class members and their families in a picnic supper at the Aggie Inn.

The feature of the afternoon program for alumni was the tour of the Experiment Station. Tour leaders of the station were B. C. Beresford, horticulturist; O. C. Soine, agronomist; H. D. Fausch, animal husbandman, and Superintendent T. M. McCall; the Misses Retta Bede and Elsie Kingston of the Home Economics Staff, conducted the tour of the buildings.

O. M. Kiser of Crookston showed color slides of views taken on his recent trip to Virginia and seaboard states.

The annual business meeting of the Northwest School Alumni Association was held during the intermission of the dancing program in the evening. In the absence of David Short, president, Michael Harty of Crookston, treasurer, presided. Attendance and recognition

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## Fall Term Opens September 28

Preparations are being made to care for a full enrollment of students for the fall term at the Northwest School which opens on September 28. An attendance of more than 400 students is expected for the fall term. The advance dormitory room reservations to date are greater than in previous years. Up to July 20, 320 advance room reservations were received, with new reservations being made daily.

The new school bulletin (Announcement for 1953-55) is now at the printer and should be ready for distribution early in September.

Students with advance room reservations have been mailed their lists of courses of study for their selection of elective subjects. Class schedules for students will be drawn up for distribution on registration day.

## Crops And Soils Day Held July 21

More than 350 farmers attended Crops and Soils Day at the Northwest School and Experiment Station on July 21.

Heavy rains on Monday and Tuesday mornings did not keep farmers from attending the annual Crops Day. Wet fields prevented the farmers from making the afternoon field tour at the Station; however, grain samples from the experimental plots were brought to the auditorium where the crop specialists discussed the latest developments in

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A hay field chopper in action on Hay Field Day at the Northwest Experiment Station. One of the more than forty pieces of hay-making equipment demonstrated during the day.

*Northwest School News*

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NORTHWEST SCHOOL OF  
AGRICULTURE

T. M. McCall, Superintendent  
Northwest Experiment Station  
OFFICE  
Crookston, Minnesota

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## New Varieties Of Grain Being Tested At Northwest Experiment Station

O. C. SOINE

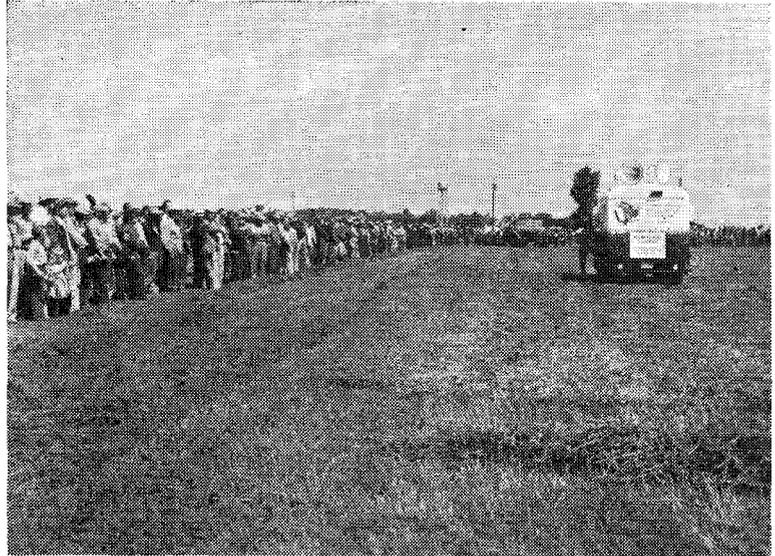
Several new varieties of small grains are being tested again this year at the Northwest School and Experiment Station with special attention being given to new selections of spring wheat that have shown some resistance to race 15B stem rust. These varieties were grown here at the Station and at several other locations in the Spring wheat area last year and were harvested as early as possible last fall; the seed was immediately sent to Southern California and New Mexico for further increase this last winter. They were rushed back here again this spring and are being further increased this summer.

A tremendous amount of breeding and field testing has been going on during the past few years to produce new hybrids that have resistance to this new race 15B of stem rust. It is also necessary to test these new selections for resistance to other diseases, yielding ability, baking and milling qualities, and other agronomic characteristics. If a new selection shows some resistance to race 15B, it is then necessary to increase the seed of this particular selection for distribution to farmers in the Spring wheat area. The Minnesota Experiment Stations are responsible for increasing this seed and it is known as Foundation Seed. After a sufficient amount of Foundation Seed is available, it is distributed to Registered Seed Growers who further increase it for distribution to Certified Growers and others.

Included in the trials this year is the new Canadian selection known as C. T. 186 which is a McMurachy x Exchange x Redman cross. This variety has received some advance publicity as being resistant to race 15B. It is being further tested for baking and milling qualities which will be determined from this year's crop. A few new selections from North Dakota are also being tested and seem to be promising as far as having resistance to race 15B stem rust.

Several new selections developed at the University Farm, St. Paul, are being increased at this Station and have shown resistance to race 15B. Two selections coming from a Frontana x Thatcher cross have good resistance to all diseases as well as good yielding ability. Another selection, Timstein x Henry, has shown good performance in previous trials.

At the present time, these new sel-  
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A part of the more than 4,000 people observing the demonstrations of hay-making machinery on Hay Field Day, June 23, at the Northwest Experiment Station. The sound truck is in the foreground.

## Report On The Minnesota No. 2 Breed Of Swine

H. D. FAUSCH

The history of the Minnesota No. 2 breed of swine dates back to 1941 when the first matings of Poland China gilts were made to a Canadian Yorkshire boar at the Northwest School and Experiment Station in Crookston. Since that time, work with the No. 2 breed has continued at Crookston. By September of 1948 the breed had progressed in merit to such a point that it was accepted for registry in the Inbred Livestock Registry Association of St. Paul. The Minnesota No. 2's were formally introduced as a breed at a celebration at Crookston, September 18, 1948.

The primary reason why the development of the Minnesota No. 2 was undertaken was that plant breeders had found that greater hybrid vigor resulted when two inbred lines were crossed than when standard outbred varieties were mated. It appeared reasonable then, that greater hybrid vigor would result if the Minnesota No. 1 breed (a superior inbred line of swine also developed at the University of Minnesota) could be mated with another high performing line such as the No. 2. The Minnesota No. 2 line was planned as an inbred line having high performance characters as is true of the Minnesota No. 1 breed, so that crosses between these two breeds would produce results superior to either line. These crosses would be superior in growth and feed economy and possess carcasses of outstanding quality.

That the Minnesota No. 2 hog is making an outstanding contribution to the swine industry is suggested by the fact that over 90 herds have been established and more than 1900 animals registered. The commercial producer, always quick to lay hold of progressive practices, has  
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warmly welcomed the Minnesota No. 2 into his pork production system. The packers, as well, like the carcasses of the Minnesota No. 2 and Minnesota No. 2 crossbreds. They have found the No. 2 profitable to buy because it is a long-bodied, trim hog. The skin is relatively thin and the bones small. Carcasses from the No. 2 are lean, long, and trim with a heavy loin and a well streaked belly. There is a substantial reduction, about 15-20 per cent, in yield of lard over carcasses of the old standard breeds. These factors go to make the No. 2 a more profitable hog for both the packer and farmer and one for which the packer is willing to pay his highest price.

**NOTE: This report will be continued in the next issue of the Northwest School News.**

## NEW VARIETIES OF GRAIN

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actions look very good but no definite information will be available until all the data is collected and studied from this year's field trials from this Station and other locations in the Spring wheat area. These varieties are also being grown in special plots to furnish enough seed for baking and milling experiments this fall. No new variety of wheat will be released to farmers until it has passed all the rigid field test and trials and proves itself superior to the varieties that are available at the present time.

## CROPS AND SOILS DAY

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crop production.

The tour of the animal husbandry and poultry experimental projects was held during the morning with H. D. Fausch, R. M. Stolen, and A. M. Pilkey as tour leaders.

Specialists in crops from the Minnesota Experiment Station, St. Paul, as-  
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## Large Attendance For 4-H Club Week

During the week of June 15-20, 4-H club members from fifteen Red River Valley counties attended the 4-H Club Week at the Northwest School.

In the southern group of counties, who attended the camp June 15-17, a total of 356 club members and twelve 4-H club leaders were in attendance. Clay and West Ottertail counties, with each county having 94 club members present, topped the county enrollment honors. In the northern group of counties, in attendance June 18-20, there were 350 club members and eleven 4-H club leaders present. West Polk, Roseau, and Marshall counties topped the county enrollment honors for the second group of counties in attendance.

Members of staff of the Northwest School and Experiment Station who assisted with the instruction and leadership of 4-H club members throughout the week included: H. D. Fausch, H. H. Lysaker, B. C. Beresford, H. W. Soderburg, O. C. Soine, E. N. Reiersgard, Miss Retta Bede, and Superintendent T. M. McCall. Miss Elsie Kingston was in charge of the school dining hall.

County agricultural agents who assisted with the instruction during 4-H Club Week were: Frank Forbes, Marshall; Harold Rosendahl, Norman; Harley Shurson, East Polk; Charles Campbell, Kittson; G. E. May, Clay; Royal Anderson, Lake of the Woods, and Carl Ash, West Polk. Other members of the Agricultural Extension Service, University Farm, St. Paul, who assisted with the instruction were: Donald Bates, Marvin Smith, Glen Prickett, and Grace Brill. Also assisting in in-

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## Crop Judging Team Enjoys Trip

The crop judging team of the Northwest School returned to the campus on Wednesday, June 10, after a three-day motor trip through the Iron Range and the North Shore areas of northeastern Minnesota. The team, which won first place in the Subcollegiate Crop Judging Contest which was held during the 1953 Red River Valley Winter Shows, used their prize money to finance the trip. The team members who made the trip were Richard Donahue, Manvel, North Dakota; Raymond Beck, Sabin; and Paul Bergeson, Fertile. The team was accompanied by their coach, O. C. Soine.

Grand Rapids was the first stop where the boys visited the North Central School of Agriculture and Experiment Station. At Hibbing, the group saw the world's largest open pit mine and viewed some of the mining operations carried on in the pit. Other points of interest visited included the Hibbing High School and community buildings. Several other open pit mines were visited in Virginia and Eveleth.

The group drove to Ely and made a side trip to Babbitt, the center of the new taconite mining industry. Here the group saw a completely new town which is being built with houses very modern in design and construction. The townsite is also being laid out according to a new design with the shopping district located in the center. From Babbitt, the team journeyed down to the North Shore of Lake Superior and followed this famous drive to Grand Marais. The boys saw and took pictures of all the famous waterfalls along the North Shore. Coming back

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## Women's Camp Officers Elected; Awards Presented

Two Red River Valley women were given silver anniversary recognition at the closing exercises on June 11 at the 28th annual Women's Camp held at the Northwest School of Agriculture. Mrs. Emil Peterson of Middle River and Mrs. C. H. Roholt of Mayville, North Dakota, received silver dishes in recognition of their twenty-five years of attendance at the Women's Camp. Mrs. Ella Anderson of Crookston, who completed her 26th year and received the 25-year award last year, was presented a bouquet of flowers.

The four women who received the four-year certificates of attendance were Mrs. Edwin Mortenson, Kennedy; Mrs. Arthur Dahlbom, Twin Valley; Miss Mabel Barlow, Grand Forks, N. Dak.; and Mrs. Clara Twite, Crookston.

Women who received prizes for finding the "golden horseshoe" were Mrs. Conrad Melo and Mrs. Emil Dyrud of Newfolden, and Mrs. Louis Plante of Crookston.

Miss Retta Bede of the Northwest School, camp leader, announced that 150 women were in attendance.

Officers of the Women's Camp elected for the 1954 camp are: Mrs. W. S. Ash, St. Vincent—President; Mrs. Doyle Ogren, Moorhead—Vice-President; Miss Mabel Barlow, Grand Forks, N. Dak.—Secretary; Mrs. Arthur Kluzak, Euclid—Treasurer; Mrs. Philip Dufault, Crookston—Sergeant-at-Arms.

## CROPS AND SOILS DAY

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sisted O. C. Soine, agronomist, and B. C. Beresford, horticulturist, in the presentation of crop information on their respective crops. Superintendent T. M. McCall presided at the formal speaking program in the auditorium, and T. H. Fenske, assistant dean of the Institute of Agriculture, University Farm, St. Paul, acted as moderator for the panel discussion. Chief speakers on the program from University Farm, St. Paul, were H. J. Sloan, director of the Minnesota Experiment Station, and J. J. Christensen, head of the Department of Plant Pathology. Men taking part in the open forum discussion made progress reports on their experimental projects; speakers and their projects were: R. S. Dunham, chemicals and weed control; J. W. Lambert, barley breeding; J. O. Culbertson, flax varieties; M. B. Moore, oat diseases; O. C. Turnquist, potato varieties; Carl J. Eide, potato disease; A. A. Granovsky, wire worm control; A. B. Haws, sweet clover weevil; and D. W. Sunderman, wheat varieties.

A fence post driving machine in operation driving posts in fence lines was demonstrated by J. R. Neetzel of the Department of Forestry, University Farm, St. Paul.

Miss Retta Bede, of the Northwest School Staff, conducted the campus tour for women visitors.



**WOMEN'S CAMP OFFICERS**

Pictured above are the officers of the Women's Camp of the Northwest School who were elected at the Women's Camp held June 8-11. They will serve for the 1954 camp. Reading from left to right: Miss Mabel Barlow, Grand Forks, N. D.—secretary; Mrs. Philip Dufault, Crookston—sergeant-at-arms; Mrs. Arthur Kluzak, Euclid—treasurer; Mrs. Doyle Ogren, Moorhead—vice president; and Mrs. W. S. Ash, St. Vincent—president.

**HAY FIELD DAY**

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Drum and Bugle Corps; an address by Dr. Will M. Myers, head of the Department of Agronomy and Plant Genetics, University Farm, St. Paul; and a panel discussion on sweet clover and alfalfa silage and the chopping of hay. T. M. McCall, superintendent of the Northwest School, was moderator for the panel discussion. The participants were Dr. L. M. Buchanan, head of the department of Animal Husbandry, North Dakota Agricultural Experiment Station, Fargo; William Strickler of Strickler Brothers, breeders of Angus cattle at Euclid; and M. L. Armour, Extension Agronomist, University Farm, St. Paul. Members of the staff of the Northwest School and Experiment Station took care of all local arrangements and directed parking. Superintendent T. M. McCall served as general chairman of the local committee, with O. C. Soine as field manager, and all other resident staff members assisting with the allotment of space for the field machinery and the parking of cars. H. D. Fausch supervised the filling of the silos, and was in charge of the experimental work in the adding of preservatives to the silage as it was being made. Farm Foreman Juel Torvi and his crew of workers worked through the rain on Saturday, June 20, to get the hay cut in preparation for the Field Day.

W. H. Kircher, managing editor of *The Farmer* magazine, and J. B. Eaton of the same publication, served respectively as chairmen of the speaking program and director of field operations. Robert Raustadt, of the publicity office at University Farm, St. Paul, served as photographer and publicity director for the day.

Fine publicity for the day was given by the radio stations of the Red River Valley, the Valley newspapers, and the county agricultural agents.

M. L. Armour and J. B. Eaton arranged the schedule for the appearance of the different pieces of field machinery in the demonstrations. The Veterans'-On-The-Farm training enrollees at the Northwest School held the ropes on the side lines of the field demonstrations.

**ALUMNI REUNION**

(continued from page 1)

prizes were awarded by O. C. Soine and included: most newly married couple—Mr. and Mrs. Duane Nelson of Barnesville; alumnus traveling greatest distance to attend reunion—Mr. and Mrs. Andrew Nielson, Minneapolis; and oldest alumnus from earliest graduating class—Oscar Lee, '13, Cambridge.

New officers elected for two-year terms were: Wm. Ash, Jr., of St. Vincent, president; and Mrs. Rodney Webster (Jean Anderson) of St. Vincent, secretary. Holdover officers are Perry Brantner of Georgetown, vice president; and Michael Harty of Crookston, treasurer.

The Martinez orchestra of Grand Forks provided music for the alumni dance.

**Northwest School Briefs****\*\*\*News Regarding Northwest School Alumni and Former Students:**

\*\*\*Mrs. Allen Lee (nee Helen Carlson) of Hayfield, Minnesota, and her two children, visited the Northwest School campus on July 6.

\*\*\*Edward Worman of 5248 Palmer Avenue, Jacksonville, Florida, visited the campus on June 30.

\*\*\*Peter Fehr of East Grand Forks visited the campus on July 3. He will enter the Medical School at the University of Minnesota this fall.

\*\*\*Henry Berquist, 380 West Exeter Street, Gladstone, Oregon, visited the campus on July 10.

\*\*\*Lt. Col. Clayton M. Isaacson, visited the campus on July 8. His present address is 3645th Training Group, Laughlin A. F. Base, Del Rio, Texas.

\*\*\*New address: J. W. Mlinar, C/o Seith, Apt. 4-B, 1617 East 50th Street, Chicago 15, Illinois.

\*\*\*The engagement of Barbara Alice McCall, daughter of Superintendent and Mrs. T. M. McCall, to Allen Hughes of San Diego, California, has been announced. The date of August 9 has been selected for the wedding which will be held in the Chapel of the Roses at San Diego, California. Barbara, since her graduation from the University of Minnesota, has been teaching home economics at Prescott, Arizona, and more recently at the Kearney High School in San Diego. Mr. Hughes, a graduate in Art, is in charge of the Interior Decorating Department of Lloyd's in San Diego. Superintendent and Mrs. T. M. McCall will attend the wedding.

\*\*\*Daniel S. Letnes has been appointed local attorney at Grand Forks, North Dakota, for the Law Department of the Great Northern Railway Company. He will serve the state of North Dakota.

\*\*\*Ruth Lerud, formerly of Twin Valley, was a campus visitor on July 16. She is a director of religious education at the University of Iowa.

\*\*\*Homer D. Fausch, head of the Department of Animal Husbandry at the Northwest School and Experiment Station, was inducted as a member of the honorary scientific fraternity of Sigma Xi at the University of Minnesota, Minneapolis, on June 2. Mr. Fausch qualified for this high honor through his original research in animal breeding in the production of the Minnesota No. 2 swine. He received his Ph. D. degree from the University of Minnesota in June of this year.

\*\*\*New Address: Harold L. Sutherland, AB 3, 335-74-46 V-1 Div., U. S. Oriskany CVA 34, c/o F.P.O., San Francisco, California 4.

\*\*\*Pvt. Boyd Giese, US55391275, Btry. "C" 542nd AFA Bn., 5th Arm'd Div. Div. Art'y, Camp Chaffee, Arkansas.

**Marriages**

\*\*\*Miss Bernice Johnson of Duluth to Grant Peterson of Kennedy on April 13. Their home address is Warren, Minnesota.

\*\*\*Miss Jeanne Mossman to Alfred J.

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**NORTHWEST SCHOOL BRIEFS**

(continued from column 2)

Wiger on May 23 at St. Paul, Minnesota.

\*\*\*Miss Alice Bavin to Vernon Hoppe on June 19 at St. Paul, Minnesota.

\*\*\*Miss Corinne Ramstad to Gaylan O. Eisert on June 30, at Crookston, Minnesota.

\*\*\*Miss Patricia James of Baudette to Clarence D. Carlson of Grygla on June 1.

\*\*\*Miss Shirley Ann Dalager of St. Hilaire to AE 3-C Robert Westacott of Thief River Falls on July 25 at St. Hilaire, Minnesota. Mrs. Westacott was employed as school nurse at the Northwest School the past two years.

\*\*\*Miss Lavonne Thorson, formerly of Climax, Minnesota, and now of Hollywood, California, to David B. Thurston of Hollywood, on June 13 at Yuma, Arizona. Their home address is 7714 Hollywood Blvd., Apt. 2, Hollywood 45, California.

**Births**

\*\*\*To Mr. and Mrs. Sammy Jarshaw (nee Mildred Kruta) of Thief River Falls, a son, on May 31. Their address is 1209 Knight Avenue, N., Thief River Falls, Minnesota.

\*\*\*To Mr. and Mrs. Eugene Sollenberger (nee Ruby Breiland) of Chambersburg, Pa., a son, on May 24.

\*\*\*To Mr. and Mrs. Don Emery (nee Gladys Auer) a daughter on March 8. Their address is 5340 Colfax Avenue, N., Minneapolis, Minnesota.

\*\*\*To Mr. and Mrs. Jos. Williams (nee Jane Noyes) a daughter on July 1, at W. Palm Beach, Florida. Mrs. Williams is a former instructor at the Northwest School.

\*\*\*To Mr. and Mrs. Ronald Lusso (nee Jenell Williams), a son, on May 11, at St. Paul, Minnesota.

**CROP JUDGING TEAM TRIP**

(continued from page 3)

to Two Harbors, the group saw an iron ore boat approach and enter the harbor and also saw the boat loaded with ore.

In Duluth, the team visited some of the points of interest including the famous aerial bridge.

On the way home, the boys stopped at Bemidji and took a few pictures of Paul Bunyan and enjoyed a speedboat ride on Lake Bemidji and also a sea-plane ride over the city.

**4-H CLUB WEEK**

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struction work were a number of county home agents and county 4-H club leaders from the Red River Valley counties and included: Judith Nord, W. Ottertail; Mrs. Eleanor Fitzgerald, Clay; Florence Olson, W. Polk; Shirley Shingleton, Red Lake; and Miss Lucille Holaday, University Farm, St. Paul.

Harold K. Anderson, new district 4H club agent for the Red River Valley counties, and Miss Evelyn Harne, state 4H club agent, of University Farm, St. Paul, served as camp leaders.