

# Northwest School News

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Number 4

## CROPS AND SOILS DAY CHANGED TO AUGUST 8

The seeding of Red River Valley crops four to five weeks later than normal makes it necessary for the Experiment Station staff at the Northwest School and Station to change the date of Crops and Soils Day from the first date selected, July 18, to Tuesday, August 8. O. C. Soine, agronomist and weather observer for the school, states, "unless we have unprecedented hot weather during the next few weeks, harvesting in the upper part of the Red River Valley will not start until after Crops Day."

The program for the day will follow the regular pattern of former years with the exception that veterans enrolled in On-the-Farm Training Program classes are to make the tour of the plots and experimental fields starting at 10:00 A. M. The general crops program will start at 1:30 P. M. with the regular field tour scheduled for 2:00 to 3:45 P. M.

An outstanding feature of the Northwest School and Station's Crops Day is the Open Forum discussion of crop growers' problems following the field tour. Leading authorities on crops breeding, crop production, crop diseases and insects participate in the open forum discussions. Speakers and Experiment Station staff members from the Central Station at St. Paul invited to take part on the program this year include Dean and Director C. H. Bailey; Associate Directors H. Macy and T. H. Fenske; Dr. H. K. Hayes, chief of the Division of Agronomy and Plant Genetics and his associates, and representatives from the Divisions of Plant Pathology, Horticulture, and Entomology. Superintendent T. M. McCall will preside at the program; O. C. Soine, agronomist, and B. C. Beresford, horticulturist of the Northwest Experiment Station, will be tour leaders.

## Fall Term Opens October 2

The 46th year of the Northwest School of Agriculture will open for registration on Monday, October 2. Freshmen and other new students will register on October 2; upper classmen may enroll on the afternoon of October 2 and the morning of October 3.

Advance dormitory room reservations have been coming in rapidly; hence, new and former students should send in their room reservation deposits of \$2.00 to the school as soon as possible.

There will be no changes of consequence in the courses of study at the school this year. A reorganization of the curriculum and the addition of new courses is contemplated for the next school year.

Students and parents of students are urged to investigate the status of their school districts with reference to their eligibility for state tuition and transportation aid. Students from school districts which have consolidated with town school districts, which do not have accredited high schools, are eligible for tuition and transportation aid at the regional Schools of Agriculture. Eighth grade graduates, fourteen years of age before January 1, 1951, from rural schools not consolidated are also eligible for tuition and transportation aid. For the farm boy or girl in a district that has consolidated with an accredited high school, tuition and transportation aid can (according to present laws) be paid "upon approval" of the student's local school board; the school district from which the student comes would then need to pay the aid. Tuition aid, if a student qualifies, covers the cost of fees for each of the two terms (continued on page 3, col. 3)

## 375 Farmers Attend Soil Improvement Forum on June 20

The Soil Improvement Forum held at the Northwest School and Station on June 20 was considered a great success by the 375 men attending the session. The occasion of a visit of two outstanding soils and fertilizer experts to the Red River Valley furnished the inspiration for the Soil Improvement Forum.

Dr. G. D. Scarseth of Lafayette, Indiana, director of research for the American Farm Research Association, and G. W. Bunting, general manager of the Central Farmers Fertilizer Company, Chicago, were the two out-of-state speakers. Minnesota was represented on the program by Dr. C. O. Rost, chief of the Division of Soils, University Farm, St. Paul, and Dr. O. C. Soine, agronomist, and Superintendent T. M. McCall, both of the Northwest School and Experiment Station staff. Other specialists participating in the Open Forum discussion were Paul Burson, director of the Soils Testing Laboratory, University Farm, St. Paul, and Dan A. Williams, general manager of the Farm Bureau Service Company, St. Paul.

General conclusions drawn from the presentation of the subject matter by the speakers and the subsequent discussion were:

1. Many crops will respond to the use of nitrogenous fertilizers. Soil and field tests will demonstrate the need, if any, for such fertilizers.
2. Particularly light soils and an increasing number of heavy soils respond to potash fertilizers.
3. Phosphate, in liberal applications, gives quite universal profitable response (continued on page 4, col. 2)

## Women's Camp Members Receive Special Awards; Officers Elected

111 women from eleven counties in Northwestern Minnesota and two counties in North Dakota were "in residence" at the 25th annual Women's Camp at the Northwest School of Agriculture, June 12-15.

The three women who have attended twenty-two or more of the camps were: Mrs. Ella Anderson of Crookston (23 years), and Mrs. Emil Peterson of Middle River and Mrs. C. H. Roholt of Mayville, North Dakota, each 22 years. (continued on page 4, col. 3)



In the picture above are the women elected during Women's Camp week, June 12-15, at the Northwest School, to serve as officers of the 1951 Women's Camp. Reading from left to right, they are: Mrs. Arthur Kluzak of Euclid, sergeant-at-arms; Mrs. Dan Warnes of Stephen, treasurer; Mrs. Raymond Clow of Orleans, secretary; and Mrs. Tom Finney of Georgetown, president.

## Northwest School News

Issued by  
THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE

T. M. McCall, Superintendent  
Northwest Experiment Station

OFFICE  
Crookston, Minnesota

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### Unprecedented Floods Do Damage to Parts of Red River Valley

A flood of the Red River of the North and its tributaries equalling and, in the lower parts of the Valley, exceeding the flood of 1896, did enormous damage to homes in many of the cities, towns, and villages along the stream and to the farm land along the river below Grand Forks, North Dakota, and through Winnipeg, Canada. Many farm buildings on land adjoining the Red River in Western Polk, Marshall, and Kittson counties were damaged by the wind and water. The greatest damage to the farm land came from the duration of the flood (four to seven weeks), which delayed, and in many instances, prevented the seeding of crops. Seeding of the flooded land continued through June with seeding of early maturing millets continuing into mid-July.

Land that was not flooded by overflow waters was kept wet by frequent rains so that all seeding in the heavy soil areas of the upper Red River Valley was from three to five weeks late. Alfalfa and sweet clover in all but the heavily flooded areas are making excellent growth assuring farmers of a good crop of green feed. Grass crops and pastures, while late, are making good crops.

The perplexing questions about the flood are: what caused the recent flood and the possible prevention of future losses from floods. The farmer, who is accustomed to losses from floods, drought, and the weather, generally takes more of a philosophic view of his battle with the elements than the home-owner in town who experiences his first flood. The farmer is concerned with drainage and the prevention of floods.

The floods of 1950 are not the result entirely of rainfall or precipitation which fell during the winter of 1949-50 and the spring of 1950. Through the dry years of 1934 to 1939, lakes, marshes, and natural reservoirs of water in the Red River basin were at an all-time low. Since that date, the lakes, marshes, natural reservoirs and artificial lakes made with dams have been filling up and were filled up to the overflowing point in 1949. Lakes, reservoirs, and storage reservoirs behind dams, when filled, no longer restrain the rainfall; hence, the normal rainfall of the dry year, which may not effect materially the flow of the rivers, can—when the reservoirs are full—cause serious floods.

If floods are to be controlled, there must be coordinated action between all  
(continued on page 4, col. 3)

### ALUMNI REUNION HELD ON JUNE 24; OFFICERS ELECTED

Some 225 alumni attended the Alumni Reunion at the Northwest School on Saturday, June 24. The class of 1950 had the largest attendance of all reunion classes with some twenty class members present. Mrs. Cora Dalager Newell of Columbus, Ohio, was the alumnus who traveled the greatest distance to attend the reunion. The prize to the oldest graduating class member present was awarded to Darragh Geddes of East Grand Forks, a member of the class of 1914. Mr. and Mrs. Walter Weber (Helen Haugen) of Crookston, who were married in May 1950, were presented with the "rolling pin and red oil can" for the newest married alumnus.

At the business meeting of the Alumni Association, the proposal of Superintendent T. M. McCall that all unexpended balances in the accounts of graduated classes be turned over to the Memorial Organ Fund met with favorable comment. Superintendent McCall pointed out that with the more than \$400 organ memorial fund raised by alumni, the funds raised by students

and the unexpended balances in old class funds, a total of some \$1400 could be realized and that the final third of the organ purchase fund could be raised in one or two years.

Plans suggested for the 1951 alumni reunion included softball games for the afternoon and a wiener roast for the supper preceding the business meeting and dance. The suggestion was made that notice be given, particularly the 10-year and 25-year reunion groups, to start planning for their 1951 class reunions. Superintendent McCall announced that the school would furnish known addresses of alumni for class "round robin" letters.

Officers elected for two-year terms are: Armin Ross of Fisher, vice-president, and Charles Vind of Crookston, treasurer. The terms of Kenneth Miller of Crookston, president, and Miss Berneil Nelson of Crookston, secretary, expire in 1951.

The Larry Hannah orchestra of East Grand Forks provided music for the alumni dance held in the gymnasium in the evening.

### 4-H Club Week Contest Winners Announced

4-H club members from fifteen Red River Valley counties, totaling 650, attended the 4-H Club Week at the Northwest School of Agriculture, June 19-24. 582 of the club members were "in residence" at the school during the week.

Ottertail county topped the county enrollment honors with 138 4-H club members attending the camp; Polk county ranked second in attendance with 76, and Clay county ranked third with 63. Instructions in all major 4-H projects was given by members of the Northwest School faculty, 4-H Club Extension and County 4-H Club Agents. A full program of recreation was carried out during the afternoons in which every club member participated.

Achievement certificates and ribbon awards were presented to the 4-H clubs and individuals who competed in the one-act play, music, and better grooming contests. Awards were made at the closing assembly for each of the two camp groups.

Regional awards to counties from the southern district of the Red River Valley who attended the first camp, June 19-21, were: **One-act Plays**—BLUE RIBBONS—East Ottertail county (Star Lake Club); cast—Eugene Harthun, Charles Femling, Robert Kanne, Betty Moltzan, Aneta Allen, Bernadine Kennedy, Erman Christensen, and Janet Carlson, all of Dent; Mrs. DeWitt Kanne and Mrs. Myers, directors; West Ottertail (Fergus 4-H Club); cast—Gary Eckley, Evangeline Jacobs, Lois Sundberg, Mary Vollbrecht, Frances Duncan, Donald Thompson, Herbert Drechsel, all of Fergus Falls; directors  
(continued in column 3)

—Mrs. Eskil Bostorm and Mrs. Gerald Skibness; West Polk: (Beltrami 4-H Club)—Philip Hamre, Joyce Allen, Elayne Hanson, Beryl Christianson, Wayne Mosher, Kenneth Ewing, all of Beltrami; directors—Mrs. Dennis Leiran, Mrs. Paul Fisher, and Mrs. Bennie Hamre; East Polk (Fertile 4-H Club)—Douglas Helm, Jane Gulleckson, Quinten Dahle, Robert Lindberg, Ruth Taallerud, Marlys Rougen, Omar Kaste, all of Fertile; directors—Mr. and Mrs. Ralph Helm; Becker (Happy Hillside Club)—Georgia Johnson, Kathleen Wiggins, David Brainerd, LeRoy Shodeen, Alvin Wenner, Connie Berquist, Bruce Brainerd, all of Detroit Lakes; Mrs. Jack Brained, director; Clay (Clearview 4-H Club)—Vaughn Johnson, Elaine Karlstrom, Joyce Ball, Norma Taylor, Dorothy Olson, all of Moorhead; Mrs. George Ball, director; RED RIBBON WINNERS: Norman (Hendrum Hustlers)—Billy Sterton, Joy Stordahl, Charlotte and Janet Scherfenberg, Carol Mae Stennes, Gene Smart, Marlene Qualley, Marilyn Christopherson, Robert Helland, Elwood Stordahl, Dale Todd, and Ronald Hanson, all of Hendrum; Mr. and Mrs. Frank Scherfenberg, directors.

Regional contest winners in the music contests were: BLUE RIBBON WINNERS—West Ottertail (Clitherall Tordenskjold Club)—Girls' Triple Trio—Betty Wasson, Marilyn Flone, Joyce Franze, Leila Thorstenson, Audrey Holm, Marilyn Johnson, Jolaine Thorstenson, Norma Johnson, and Marlys Jensen, all of Battle Lake; Mrs. James Franze, director and pianist; Becker (Euni-Pel Club)—Instrumental and Vocal Duet—Donna and Mary Ann Bartelson, Detroit Lakes; West Polk (Angus 4-H Club)—Girls' Vocal Trio—Marlyce, Marilyn and Shirley Stark of  
(continued on page 4, col. 1)

## New Crop Varieties Increased At Northwest Experiment Station

The Minnesota Experiment Station of the University of Minnesota, St. Paul, and the regional branch stations in the state are producing registered or foundation seed of recommended varieties of small grains, soybeans, legumes, and flax for certified seed growers of the area. Increase fields of the new recommended varieties of crops, adapted to the Red River Valley, are being grown at the Northwest School and Experiment Station, Crookston.

To acquaint the farmers of the Red River Valley with some of the newer varieties of crops, O. C. Soine, agronomist at the Northwest School and Experiment Station, has furnished brief descriptions of Lee wheat, Redwood flax, Wegener red clover, and Evergreen sweet clover.

Lee wheat is an early, bearded, high-yielding variety of spring wheat well adapted to this area. An outstanding feature of this wheat is its resistance to leaf rust. This is important at the present time because all other leading varieties have lost much of their resistance to this disease. It has moderate resistance to bunt, stem rust, but is susceptible to loose smut. It has short, medium strength straw. This variety has good baking and milling qualities. It is selected from a cross of Hope x Timstein at the Minnesota Experiment Station. Lee wheat is being increased in quantity in 1950 and should be available as foundation stock for a number of qualified growers in 1951.

Redwood flax is a brown-seeded, high yielding variety of flax developed at the Minnesota Experiment Station from a cross of B5128 x Redson. It has good resistance to rust and is moderately resistant to wilt and pasmo. In maturity, it is two to four days later than Redwing. It has medium-sized seed with good oil content and quality.

Wegener is a strain of red clover developed by E. C. Wegener, a farmer in central Minnesota. It is a good yield-

(continued on page 4, col. 3)

## Northwest School Briefs

### News Regarding Graduates and Former Students of the Northwest School:

\*\*\*Lawrence Breen of Argyle, a student in the College of Agriculture at the University of Minnesota, was recently appointed by the YMCA-YWCA Executive Committee as editor of their newspaper, the "Horizons."

\*\*\*RECENT CAMPUS VISITORS: Thomas E. Abbott of Dassel, Minnesota, June 10; Tom O'Brien, Devils Lake, North Dakota, June 26; Mrs. Ellsworth Foss (Katherine Moe), Longville, Minnesota, June 26; Mr. and Mrs. Kenneth Albrecht (Helen Smeby), on June 14.

\*\*\*Mildred Kruta of Gatzke recently graduated from the Practical Nursing Course at the Bethesda Hospital, Crookston.

\*\*\*Mr. and Mrs. Harrington S. Genung of Minneapolis left June 9 from Winnipeg, Canada, to make a trip around the world by airplane. Mrs. Genung is the Mrs. DeEtte Genung, former English instructor at the Northwest School. Mrs. Genung is now serving as an instructor at the Blake Day School for Boys in Hopkins, Minnesota.

### Marriages

\*\*\*Miss Gladys Auer of Waubun to Donald W. Emery of Minneapolis on June 22 at Beaulieu, Minnesota.

\*\*\*Miss Mathilda Baird of Crookston to James E. Empting of Dilworth in Crookston on June 13.

\*\*\*Miss Rita Johnson of Baudette to Rudolph H. Paulson of Baudette, on June 16. They will make their home in Baudette, Minnesota.

\*\*\*Miss Myrna Henneby of Warren to Clement Deschene of Argyle on June 13 at Argyle. They will make their home at Argyle, Minnesota.

\*\*\*Miss Helen Smeby of Winger to Kenneth Albrecht of Minneapolis on June 4 at Winger. Their present address is 2625 Harriet Avenue South, Minneapolis, Minnesota.

\*\*\*Miss Mary Lou Jeffrey of East Grand Forks to Norman A. Torkelson (continued in column 3)

## R. R. V. Crops and Soils Association To Meet On Crops Day

The Red River Valley Crops and Soils Association, an auxiliary of the Minnesota Crop Improvement Association, will hold its annual summer meeting on Crops and Soils Day at the Northwest School on August 8. Albert Kopecky of Angus, president, has called the meeting of the county directors and members for 10:30 A. M. in the Northwest School library.

An outstanding accomplishment of the Association last year was the purchase and use of glass display jars for the Red River Valley Winter Shows grain exhibits. Problems pertaining to the distribution of the new crop varieties and election of officers will be the big items of business at the meeting of the association this year.

### NORTHWEST SCHOOL BRIEFS

(continued from column 2)

of Thompson, North Dakota, on June 16, at East Grand Forks. They will make their home at Thompson, North Dakota.

\*\*\*Miss Shirley Wegge of Buxton, North Dakota, to Jerome Hamre of Beltrami on June 16 at Cummings, North Dakota. They will make their home at Beltrami, Minnesota.

\*\*\*Miss Berget Torkelson, formerly of Thompson, North Dakota, to Wayne Taintor of Grand Forks, North Dakota, on June 17, at Thompson.

### Births

\*\*\*To Mr. and Mrs. Arnold Brovold (Sanna Hanson) of Crookston, a son, on June 9.

### FALL TERM OPENS OCTOBER 2

(continued from page 1)

of the school year; transportation aid, for those eligible, amounts to \$4.50 per month.

The Northwest School and other Schools of Agriculture are subcollegiate branches of the University of Minnesota and the credits earned at the schools are recognized for entrance in the colleges and universities of the region.



Pictured above are the 111 women who were "in residence" at the 25th annual Women's Camp held at the Northwest School, June 12-15. The women enrolled were from eleven counties in Northwestern Minnesota and two counties in North Dakota.

**4-H CLUB WEEK CONTESTS**

(continued from page 2)

Angus; East Polk (Fertile 4-H Club)—Piano Solo—Jane Gulleckson of Fertile; Norman (Lake Ida Jolly Co-Workers Club)—Piano Duet—Marlys Samuelson, and Shirley Grivno of Ada; **RED RIBBON WINNERS**—Mahnomen (North Chief Workers)—Vocal Solo, Norvin Stiyer of Mahnomen; East Ottertail (Eastern Stars Club)—Bonnie Hulstrand and Jeanette Peterson of Parkers Prairie; Clay—Roger Ball of Moorhead—vocal solo.

The following winners were announced in the Better Grooming Contest: **GIRLS**—Blue Ribbons: 14 years of age and under—Lois Bergeson of Fertile, East Polk; Carol Morken of Fisher, W. Polk; Karen Nilson of Ada, Norman; Red Ribbons: Elaine Leaders, Ottertail, East Ottertail; Vaughn Johnson of Moorhead, Clay; Shirley Martin, Battle Lake, W. Ottertail; 15 years and over—Blue Ribbons: Rosemary Hassler of Perham, E. Ottertail; Glenise Lee of Audubon, Becker; Carolyn Dosland of Perley, Norman; Jane Gulleckson of Fertile, E. Polk; Joan Oberg of Moorhead, Clay; Red Ribbons: Marian Mueller of Mahnomen, Mahnomen; Shirley Rix of Fergus Falls, West Ottertail; Bethel Gorter of Eldred, W. Polk; **BOYS**—14 years of age and under—Blue Ribbons: Walter Bauer, Jr., Norman; Allen Dragseth of Eldred, W. Polk; John Fleisher of Ogema, Becker; Clifford Lura, Jr., of Hawley, Clay; Arden Shores of Pelican Rapids, W. Ottertail; Charles Rongen of Fertile, East Polk; Red Ribbons: Theodore Kaiser of Gary, Mahnomen; Darol Jorgensen of Henning, E. Ottertail; 15 years of age and over—Blue Ribbons: David Sundberg of Fergus Falls, W. Ottertail; Robert Burley, Norman; Jerry Hilgren of Parkers Prairie, E. Ottertail; Red Ribbons: Dennis Lee of Waubun, Mahnomen; Jack Stubstad of Sabin, Clay county.

Winners from the northern district counties who attended the second camp, June 22-24, were: **One-act Play Contest Winners**—**BLUE RIBBONS**—Marshall County (McCrea 4-H Club): cast—Janice Sorenson, Bernice Poolman, Marlene Wittman, Beatrice Gehrls, Mary Morkassel, Shirley Haugen, and Carol Nicholls, of Warren; Mrs. Andy Morkassel, director; Roseau—(Malung 4-H Club)—Cast: Betty Austin, Lois Austin, Patsy Green of Malung; Betty and Elise Laznicka and Joan Miller of Roseau; Pennington county—(Kratka Club) cast: Kenneth Szymanski, Milton Burstad, Pauline Hanson, and Mila Burstad of Thief River Falls; Betty Mae Olson and Daniel Johnson of Goodridge; Mrs. Ted Lendobeja, director; **RED RIBBONS**—Clearwater County (Pine Lake Buzz Bombers) — cast: Bernice Graftaas, Phyllis Graftaas, Yvonne Olson, Carmen Olson, Vernon Hammes, Clyde Hendrickson, Patricia Strand of Gonvick; director, Norman Hendrickson; Red Lake County (Pembina Trail Club)—Rene, Vianney, and Janice Peppin, Robert and James Hance, Joyce Doyea, all of Red Lake Falls; Mr. and Mrs. Henry Peppin, directors.

(continued in column 2)

**4-H CLUB CONTEST WINNERS ANNOUNCED**

(continued from column 1)

Regional contest winners in the music contest were: **BLUE RIBBONS**—Marshall County (Alma Club)—Girls' Vocal trio—Joyce Lodoen and Ruth Timm of Argyle, Arlene Magnuson of Warren; Jean Magnuson, Warren, accompanist; Clearwater County (Pine Lake Buzz Bombers)—Stanley Graftaas, Lloyd Knutson, and Melvin Hammes of Gonvick; **RED RIBBONS**—Red Lake County (Young Patriots 4-H Club)—Vocal group: Madonna Roy, Joyce Boutain, LouAnn Boutain, Anne Marie Kees, Gloria Kein, Marilyn LaChance, Gloria and Virgie Larvick,, Patricia McElwee, Elaine Norton, and Dorla, Michele, and Sharon Philion, all of Red Lake Falls; Roseau County (Pencer 4-H Club)—Vocal duet—Marlin Erickson, Pencer, and Lauretta Schell of Malung.

Winners in the Better Grooming Contest were: **GIRLS**—Blue Ribbons (14 years of age and under)—Marilyn Moe, Thief River Falls, Pennington; Ardith Johnson, Roseau, Roseau; Marilyn Winter, Hallock, Kittson; JoAnne Jurgens, Clearbrook, Clearwater; Cherie Lynn Hince, Oklee, Red Lake; Arlyn Johnson, Alvarado, Marshall; Red Ribbon—Ione Remillard of Williams, Lake of the Woods county; (15 years of age and over): Blue Ribbons—Marlys Efferfield, Stephen, Marshall; Jo-an Dupont, Red Lake Falls, Red Lake; LaVonne Lian, Middle River, Pennington; Dorothy Jean Gille, Williams, Lake of the Woods; Red Ribbon—Rose Lund, Roseau, Roseau county. **BOYS**: Blue Ribbons (14 years of age and under)—Alan Wenner, Roseau, Roseau; Richard Orpen, Middle River, Marshall; Richard Burtness, Thief River Falls, Pennington; Red Ribbons—Robert Malwitz, Red Lake Falls, Red Lake; Delmore Hultgren, Karlstad, Kittson; Arthur Larson, Shevlin, Clearwater; (15 years of age and over)—Blue Ribbons—Eddie Olson, Clearbrook, Clearwater; Lloyd Gagnon, Red Lake Falls, Red Lake; Roy Erickson, Warren, Marshall; Gerald Dagen, Karlstad, Kittson; Ruben Finstad, Hazel, Pennington; Red Ribbon—Clifford Nordine, Roosevelt, Lake of the Woods county.

**375 FARMERS ATTEND SOIL IMPROVEMENT FORUM**

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on most crops when used in the crop rotation.

4. Care should be taken to maintain the proper balance of fertility by the judicious use of nitrogen phosphate and potash.

5. The humus supply of the soil must be kept up to make conditions favorable for soil bacteria to break down insoluble plant foods in the soil.

6. Farmers of the Red River Valley should use high analysis fertilizers to cut down costs per unit of fertilizer. Encouragement should be given fertilizer manufacturers to provide even higher grade fertilizers than we now have on our markets.

**WOMEN'S CAMP MEMBERS RECEIVE SPECIAL AWARDS**

(continued from page 1)

Mrs. Elmer Sjostrand of Hallock received the linen award for twelve years of attendance. Women receiving certificates for four years of attendance at the camp were: Mrs. Obert Fossay, Moorhead; Mrs. Bennie Hapka, Argyle; Mrs. Emil Holland, Frazee; Mrs. William Hoper, Stephen; Mrs. J. J. Pagnac, Stephen; Mrs. R. S. Patenaude, Red Lake Falls; Mrs. Merle Rundell, Lengby; Mrs. Wm. Rutherford, Euclid; Mrs. Merle Schenck, Baker; and Mrs. Hattie Schwenzfeier, Orleans. Women who received prizes for finding the "golden horseshoe" at the camp each day were: Mrs. Thomas Fixter of Thief River Falls; Miss Doroothy Ford, Hawley, and Mrs. C. H. Roholt of Mayville, North Dakota.

Miss Retta Bede of the home economics faculty at the Northwest School served as camp leader during the week.

**FLOODS DO DAMAGE**

(continued from page 2)

agencies working for water conservation and water drainage. Reservoirs and dams should be so regulated that water storage space is available for the spring run-off. Studies of run-off of water must be made whereby more accurate information can be secured about the disposition of water that falls on the land. It is hoped that cooperative studies of "run-off" of water from the land in the Red River Valley, that were started at the Northwest School and Station in 1949, can be resumed by the Soil Conservation Service and that funds can again be made available for this basic research. In the meantime, farmers should keep their drainage ditches open for the wet years and close the flood gates in years of dry weather.

**NEW CROP VARIETIES INCREASED AT NORTHWEST STATION**

(continued from page 3)

ing forage crop well adapted to this area. An added feature of this clover is that it produces a good second crop the second year. It has proven to be a good seed producer in the Northwest Experiment Station trials for the past year.

Evergreen is a white blossom strain of sweet clover developed at Ohio. It produces a larger forage growth than the other varieties the first fall of the seeding year. It also produces a good yield of forage the second year. It is two to three weeks later than the other varieties of sweet clover and because of this fact it will produce a longer grazing season for livestock.

Increase fields of the newer varieties of crops and the new and promising varieties in the grain breeding plots can be seen at the Northwest Experiment Station on Crops Day on August 8.