

# THE NORTHWEST MONTHLY

Published Monthly by the Northwest School of Agriculture of the University of Minnesota, Crookston. Entered as second class matter December 2, 1916, at the Post Office at Crookston, Minnesota, under the Act of August 24, 1912.

VOL. II.

CROOKSTON, MINNESOTA, SEPTEMBER, 1918.

No. 10

## SCHOOLS IN WAR TIME.

United States Commissioner of Education P. P. Claxton urges that we profit by the lesson of Europe which he summarizes as follows: **KEEP THE SCHOOLS GOING. MAKE EDUCATION DURING AND AFTER THE WAR BETTER AND MORE EFFECTIVE THAN IT HAS EVER BEEN.**

J. A. A. Burnquist,  
Governor of Minnesota.

"Allow me to say that no greater service can be rendered the nation at this time of stress than to cooperate closely with the Federal and State Educational Departments in their efforts to maintain the schools of the country at their normal efficiency and to keep up educational standards during the war. It should be a matter of local pride that the boys and girls of Minnesota shall not have lost in educational opportunities because of the war."

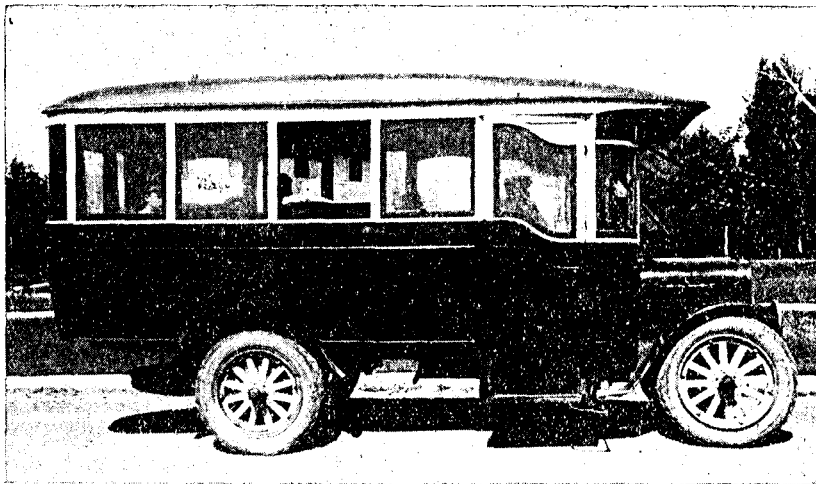
C. G. Schulz,

Superintendent of Education.

"Urge upon your students that the best service they can render their country at this time is to prepare themselves for usefulness in the period of reconstruction which will follow when peace returns."

## SCHOOL TERM OPENS OCTOBER 15

October 15 has been set as the date for opening the fall term at the Northwest School of Agriculture, Crookston. In addition to the different agricultural courses for boys, the school will enlarge its gas tractor and automobile work. The courses for girls will also be enlarged by the addition of elective subjects so that a girl may pursue any one of four distinct lines,—home management, business, teaching, or preparation for college. The normal training department opened September 10 with a large class enrolled. While the school has lost several instructors on account of the war, their places have been acceptably filled, and the work will go on with greatly improved facilities and equipment. The Owen Building will have an addition of 28x46 for gasoline engine, automobile and tractor work while the construction of a garage will aid in storing autos and tractors. The school's large gymnasium will be used for military drill for which the United States government furnished the equipment. Military drill has always been required at the Agricultural School which, with the technical training given, has proved of value to 100 or more graduates and former students now in Uncle Sam's service. A large motor bus has been purchased which will be run on a regular schedule between Crookston and the campus, making it possible for students to reside in town. While the



New School Bus Used at Northwest School of Agriculture, Crookston, Minn.

labor scarcity may have some effect on the attendance at the agricultural school this year, it is expected that a larger number than usual will be attracted by the new courses, the desire to learn as much as possible about agricultural science and practice, and to prepare for military service along the technical lines in which training is provided at the school.

## NEW FACULTY MEMBERS.

Professor H. S. Records is a graduate of Kansas Agricultural College and comes well prepared for the duties of his position. He was formerly boys' and girls' club leader in Koochiching county and agricultural instructor at Deer River. He has already assumed his work among the students at the Northwest School and the 250 farmer cooperators in pure seed grain and potato work, carried on as an experiment station project.

Miss Jeanette Qualee, of Adams, is the new head of the English Department. She is a graduate of the University of Minnesota, and has had special training for the work she undertakes.

## HOME TRAINING COURSES.

No girl in the Red River Valley will want to miss taking advantage of the new courses offered for girls for the first time this fall. The former two-year course has been extended to three years which gives opportunity for more extensive work along the lines formerly pursued and in addition, several new courses. A new course in drawing and design treats of the fundamental principles in design and color harmony, with special emphasis as expressed in clothing, house furnishing

and articles in common use.

The home management course as presented last year in which the girls conduct a self-supported and self-managed boarding house will again be offered to seniors. The girls found this work so practical last year that they requested that the course be continued for a longer period each year. This year the clothing work will be modified to meet the needs of the present situation better than ever before. Red Cross work will be done wherever the work seems to offer a new and practical problem to the student learning to sew.

In connection with the above mentioned work a department for business training for girls will be opened for the first time. Girls will be allowed to elect courses from the following group: Stenography, typewriting, letter writing dictation, business forms, spelling, penmanship, filing and indexing, commercial law and comptometer practice. These will enable a girl to put herself in a position to be self-supporting when she has finished school. On account of the large number of business positions open to women, this is an opportunity which should be eagerly sought.

The normal training department will be conducted much along the same lines as formerly. The attractive positions which those who fitted themselves for teaching last year in this department are going into this year, are proof enough that this will be a popular course again this fall.

## A NEW ENGINEERING COURSE.

Owing to the increased demands for more engineering work on the part of the students, special effort will be made this year to permit them to de-

# THE Northwest Monthly

Issued Monthly by  
THE UNIVERSITY OF MINNESOTA  
NORTHWEST SCHOOL OF  
AGRICULTURE

C. G. SELVIG, Superintendent

## OFFICE

Northwest Experiment Station,  
Crookston, Minnesota

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

vote a larger part of their time to this line of work. This has led to a new engineering course in which the students can specialize in the so-called agricultural engineering subjects, taking only such other subjects as are directly related to them.

### Agricultural Engineering.

The study of agricultural engineering should occupy an important place in the training of young men who are planning on making farming their life work. There are so many small leaks, (in the nature of repairs and upkeep of buildings and machinery) which, though individually small, collectively, amount to large sums and reduce considerably the net yearly profits of farm labor. The application of agricultural engineering methods to farm work should not only raise the efficiency of the farm worker in reducing the number of these leaks, but should also make the farm a happier, more comfortable, and more profitable place in which to live.

### Gas Engines.

The gasoline or oil engine has, in recent years, been put to use at so many kinds of farm work so that, next to the horse, it has become the principal means of motive power. So general and so varied has its introduction become, that it is now almost imperative that every farmer be familiar with the principles of its operation and the essentials of its successful management.

Our course covers thoroughly the operation, care and repairing of automobiles, stationary engines and tractors. To make it practical the student works with actual engines or parts of engines. Our equipment includes a collection of stationary engines differing in size, principle and design, tractors for both gasoline and kerosene, four and six cylinder automobile engines mounted on wooden trestles, auto chassis, rear axles, carburetors and magnetos, all of which are at the disposal of the student in his directed study of them.

To house this increase of equipment an addition 28x46 feet has been built to our present engineering room. The total floor space devoted to gas engineering alone amounts to nearly 3,000 square feet.

### Outline of Course.

Lectures (2 periods each week). The lectures cover the principles and theory of gas engines, types of engines, parts of engines, fuel, construction of carburetors and mixers, ignition systems, batteries, cooling and lubrication.

Shop practice (three days each week, three periods each day). Students will be given exercises in running engines, valve grinding, valve tinning and ignition, adjusting carburetors, determining the brake horse power, assembling belt lacing, and babbiting. Special emphasis will be laid on gas engine troubles.

Actual work will be done in overhauling and rebuilding old and used engines and automobiles.

### Carpentry.

The school has a large, well lighted and fully equipped carpenter shop in which the students are taught the proper use of all the ordinary wood working tools. Special attention will be paid to building construction, taking up such steps as framing, rafters, stair cutting, and the like.

Outline of course. Lectures and shop work two days each week, three periods each day.

Exercises familiarizing the student with the proper use of tools. In these exercises only such models will be made as will be of practical value to the boy who makes them. This list includes eveners, single trees, wagon jacks, feed hoppers, ladders, trap nests, saw horses, corn drying racks, wagon boxes, hay racks, and the like. The use of the steel square in connection with the laying out of rafters and stair stringers.

### Blacksmithing.

In the blacksmith shop at this school the boys are taught to shape iron into various forms, so that they can successfully meet all kinds of emergency repairs on the farm.

### Outline of course.

(Time, 2 days each week, three periods each day.)

How to build a fire properly and keep it clean; the care of forge tools; training in the fundamental principles of forge practice, such as drawing, upsetting, bending, welding and tempering.

The articles made in the above exercises include gate hook and staple, clevis and pin, grab hook, chain of ten links, welded ring, singletree irons, flat weld tongs, cold chisels, etc.

### Drawing.

The course in drawing has to do chiefly with building construction, giving the students a working understanding of sill, wall, floor, cornice and roof construction.

Outlines of course, (three days each week, two periods each day):

Exercises and plates giving the pupil training in the use of drafting tools; cross section of dwelling showing sill and wall construction; roof construction; cornice construction; stair construction; plan of a simple farm building with bill of material and estimate of the cost.

### Farm Sanitation.

To those who desire, an opportunity will be given to take a course in farm plumbing, water supply, sewage disposal, heating, lighting, and ventilation.

### Outline of course.

Drainage, tile lines, pipe cutting and fitting, septic tanks, types of heating devices, installation of electric lighting outfit, ventilation of barns and buildings.

### Other Courses

May be selected from the work of-

fered at the school, including Farm Bookkeeping, Business Arithmetic, Practical English, as well as courses in Farm Crops and Live Stock Production.

### Expenses.

An enrollment fee of \$5.00 is all that the tuition amounts to. The school has dormitories and a dining hall where board and rooms may be secured at from \$17.25 to \$17.50 per calendar month. Address the Northwest School of Agriculture, Crookston, Minnesota, for further information.

Your time is too valuable not to attend school when you can arrange to do so. Soon the opportunity will slip by to be gone forever. Send for a catalog NOW.

### HOME PROJECTS.

Home projects are lines of work whereby it is planned to carry home the work of the school and apply it in a practical way to every day operations of the farm. The various projects are carried out according to definite plans prescribed by the school and under its supervision. When carefully done, they will not only afford valuable training for the students, but will also serve as interesting and profitable demonstrations of better agriculture.

Fifty-five students enrolled definitely for home work this year. The following list indicates the lines of work chosen. A number of boys who work on other farms than their own were not at liberty to carry out one of these projects. These students will report upon the farm as a whole, and will be credited according to the work done and the interest taken in the rural community activities of their vicinity.

The school was seriously handicapped this year in its work of supervision by the loss of its extension man who went into the army. On account of war conditions it has been very hard to find anyone to take his place. J. P. Bengtson has been checking students' summer work during August. H. S. Records began extension work August 15. With these two men, and other members of the station staff, it is hoped that even the most distant students' projects in the valley may be visited at least once before the season is past.

### PERSONALS.

From Mr. Bengtson's reports of recent visits the following interesting reports have been received: Stanley Arneson is putting into practice his theoretical training in bee-keeping. He invested in two fine hives of Italians. One of these he successfully divided so that when visited he had three flourishing colonies of workers aiding democracy in sugar conservation.

Guy Spokely is showing inclinations toward potato kingship. He is managing one of his father's large farms, and has agreed to take his pay in potatoes from a field given over to his personal use. His seed plot when last visited looked fine,—clean, free from disease and showing tubers of good type in numbers that promise an excellent yield.

John Flikke is applying his scientific bent to the improvement of corn. His corn plot shows great promise.

Tarje Steenerson is working out his

summer practicum by his services as hired man on the Evenson farm near Climax.

Elmer Holland is taking an active part in the affairs of his community, and the people have shown their appreciation and confidence in his abilities by electing him president of their farmers club. Elmer's home farm is being improved with a big new barn and new granary.

Oscar Lund is a real bean king. He has a fine field of sixteen acres in excellent condition promising a big yield. He has a full set of machinery for taking care of it, including a harrow and a thresher. Mr. Bengtson reports that on the day he visited Oscar he had just raised a fine new flag pole in honor of his brother who is at the front in France, it being the day of his birthday anniversary.

Among the girls who are helping their big brothers swat the Kaiser by shocking in the fields are Amanda Hanson, Helen Aamodt, and Josie Flikke.

George Chandler and his father are farming three quarters this summer, a large portion being in wheat.

Morril Campton is making a fine record with his flock of poultry. His records show a fine production of eggs and a big thrifty flock of chicks shows that he also is making a success of hatching and feeding young stock.

Hoover would give very substantial credit to Herbert Johnson for his summer practicum. Besides a very big share in the work on his father's farm he has raised a large garden that has provided many vegetables for the table during the summer. Much has also been canned for the winter.

Clarence Tucker in speaking of his summer's work said he dragged for a month continuously walking all day behind the team. His big 225 acre field of wheat shows that it was really a march to Berlin. Clarence is going to report especially on his four-acre field of flax for summer practicum credit.

Harry Hutchinson is raising fodder corn. His father calls it Harry's forest, and says it will have to be cut down if he is to see his neighbors.

Milton Warner has started on a project of great value for Red River Valley farms. He has planted a wind break. He bought his trees last fall, wintered them successfully, and has now a 100% stand growing vigorously.

Corn and potatoes are two popular projects among the students this summer. Raymond Rutherford, Reece Shoop, Paul Springmier are among the registered corn growers. Oscar Knutson, Albin Johnson, Gerhardt Useldinger, Andrew Thorpe are working with potatoes.

List of Projects:

Potato .....	17
Farm Management .....	6
Farm Accounting .....	4
Pure Bred Hereford .....	1
Beekeeping .....	2
Poultry Record .....	1
Garden .....	3
Corn .....	9
Soy Beans .....	1
Alfalfa .....	6
Feeding and Maintenance .....	2
Sheep Management .....	1
Flax .....	2
Beans .....	1
Wheat .....	2
Tractor Records .....	1

NORTHWEST  
EXPERIMENT STATION NOTES  
CROOKSTON, MINNESOTA

A regular department of "The Northwest Monthly" devoted to farm problems, conducted by members of the staff.

STATION STAFF:

- C. G. Selvig, Superintendent.
- C. E. Brown, Poultry.
- A. M. Foker, Farm Buildings, Drainage.
- T. M. McCall, Horticulture, Potatoes, Root Crops.
- H. S. Records, Home Projects, Pure Seed Distribution.
- E. J. Thompson, Live Stock.
- R. O. Westley, Field Crops, Farm Management.

Windbreak .....	1
Field Peas .....	1
Garden .....	2
Farm as whole .....	1
Total .....	63

BARBERRY ERADICATION.

It was unfortunate that the federal appropriation to assist in the eradication of the barberry failed to pass in time to make the 1918 barberry eradication campaign as effective as the persons who urged this legislation hoped. Without a question there are still some barberry bushes in North Dakota and a good many in Minnesota, Wisconsin, Iowa, Nebraska, and other states, that will have to be dug. The government, insofar as it has gone, was very effective under the direction of Dr. E. C. Stakman who had charge of the federal work, when one takes into consideration the lateness of the start of the work, and great handicaps imposed through the lack of having the expected fund.

There will be additional information regarding this project in succeeding issues of the Northwest Monthly as the farmers of the Red River Valley are intensely interested in the campaign to eradicate the common barberry.

FARM BUREAU NOTES.

District county agent leader, W. E. Morris, has furnished The Northwest Monthly a summary of reports of the work of the farm bureaus in the various counties in this district, for the months of May and June. They are very interesting and indicate that a tremendous work is being carried out by the farm bureaus of the Red River Valley. The organizations are being enlarged in each county and their benefits extended more widely throughout the various communities. Better methods of agriculture are being systematically encouraged and important war work is being done through increased crop production, food conservation, and organization of farm labor. Live stock improvement and boys' and girls' club work is receiving serious attention. In a number of counties special effort is being made to encourage increased support and patronage for the local creamery. Well organized campaigns have been carried on for barberry eradication and weed control.

Limited space does not permit publication of a full report of the work in each county. Items are merely selected at random for interest and variety.

BECKER COUNTY—Creamery improvement. "A questionnaire was sent out to all the creameries in all the counties asking them to file reports with the farm bureau of their business

beginning the first of March. The plan is to get all the cream producers to support the creameries in the county by encouraging the patronizing of the centralizer. Following that an effort will be made to improve the quality of the cream delivered. It is felt that the biggest drawback is the lack of patrons and poor cream. The lack of patronage is being overcome by visits to the farmers who are most opposed to the creameries, and trying to induce them to set an example by hauling to the creamery. Action has been taken by the farm bureau to have a one-day creamery short course at each creamery in the county next fall."

CLAY COUNTY—Boys' and Girls' Club Work. "Fifty pigs were weighed up during the month for boys and girls in pig clubs. A number of these were pure bred pigs secured by the agent. This line of club work has a total enrollment in the county of eighty boys and girls. Six boys and girls in the county have enrolled in the calf club work. The domestic science teachers of the county have been advised that the county bread baking contest will be held. Every school is to choose two girls to represent the school in the contest. Bread baking contests for the selection of contestants for the contest were held at Ulen, Barnesville, Hitterdal and Rustad. Miss Alice Peck, district girls' and boys' club leader, arrived May 15 and will have headquarters in the Clay County Farm Bureau office."

CLEARWATER COUNTY—Holstein Breeders' Association. "The main purpose of the association is to exchange sires between communities. A number of sires have been found in the county which must be disposed of by the person or club owning them. It is thought that there is a possibility of retaining them in the county by transferring them to some other community. The county association was organized at Shevlin, June 29. Officers were elected, and plans of the association were discussed. Thirty-five farmers were present at the meeting. It was decided that the county agent make a thorough canvass of the county to find out who were interested in Holsteins and to determine the number of sires needed. As soon as this is known the meeting will be held at Bagley and a definite plan of work will be outlined. At the present time there are between thirty-five and forty members in the association. It is thought that the membership will be increased to one hundred."

KITTSO COUNTY—Tractor School. "The tractor school arranged for in cooperation with the implement companies was opened on June 18. The interest and attendance was good throughout. The Kennedy Implement Company, the Avery Company, and the International Company supplied the instructions. Two afternoons were spent outside on machines. Nearly all of those in attendance were young men, a large number being under twenty-one. Two girls took the course. All of those spoken to were satisfied with the course and considered it one of the best things put on in Hallock. As a follow-up to this course, a plowing demonstration was planned for July 3 and 4."

MAHNOMEN COUNTY—Drainage Demonstration. "The county agent was called upon to survey for the drainage

FARM BUREAU NEWS

Northwestern Minnesota District

W. E. MORRIS, District Leader  
University Farm, St. Paul

COUNTY AGRICULTURAL AGENTS

Becker	H. A. Nelson, Detroit
Clay	A. C. O'Banion, Moorhead
Clearwater	E. H. Martin, Bagley
Kittson	W. V. Longley, Hallock
Mahnomen	Victor Dryden, Mahnomen
Marshall	John Huseby, Warren
Norman	Henry P. Brandt, Ada
Ottertail	J. V. Bopp, Fergus Falls
Pennington	Ross P. White, Thief River Falls
Polk	R. H. VanScoik, Crookston
Red Lake	C. C. Lake, Red Lake Falls
Roseau	Oscar M. Olson, Roseau
Wilkin	L. S. Stallings, Breckenridge

of a shallow lake containing about sixty acres in Beaulieu township. About two thousand feet of ditch were required."

"Fourteen hundred feet of drainage ditch was laid out for Lewis Larson and forty-six hundred feet for George Jordahl, both of Beaulieu township. Two miles of level work for open ditch was laid out for the Rosedale township ditch. A new section line road is to be constructed through a big swamp in the township. The two mile leveling work was run at the request of the township board. During the month, assistance was also given to the village clerk of Mahnomen in running the grade line for laying the sidewalk and street grades."

**MARSHALL COUNTY—Weed control.** "During the month a vigorous campaign has been made on weed control. This has been discussed at farmers' meetings, and about five hundred circulars have been sent, the subject matter of which emphasized the necessity of controlling the sow thistle, and gave the best known methods of eradicating the sow thistle and quack grass."

**NORMAN COUNTY—Live Stock.** A silo tour has been planned for the east side of the county. It is planned to make a tour into Clay county to visit some of the best farms having silos. Assistance was given Mr. Houske in the sale of a carload of Grade Guernsey cows. An effort is being made to increase the patronage of the cooperative creamery and to stop the shipping of cream out of the county."

**OTTERTAIL COUNTY—Milk Campaign.** "During the month a campaign was inaugurated throughout the county to emphasize the importance of milk in the diet. The attention of the people was called to the comparison of milk and other food products. Ottertail county is essentially a dairy county, and the importance of dairy product over agriculture can not be over-emphasized. Consumption of milk in the villages needs to be increased. This campaign and the display of posters will undoubtedly bring an increase in the consumption of milk and consequently be a tendency to prevent the decrease in the dairy industry."

**Farm labor.** "Doubtlessly, the situation can be handled satisfactorily locally. Each one of the boys, who have been given deferred classification for agricultural reasons have been approached in regard to their part in solving the labor problem. The boys on each rural route have been encouraged to organize themselves into a War Reserve Force. The rural mail carrier on that route can act as labor agent, and the postmaster acts as director. In extreme cases, where farmers are short of help for a few days, they may drop an order in the mail box stating their condition, and the carrier will assist in getting one of the boys in deferred classification to furnish help from two to three days, or as long as it can be. This plan has been taken up with a number of the boys, and it has their endorsement."

**PENNINGTON COUNTY—Potato Tour.** "The Pennington County Potato Growers Association at a meeting this spring appointed a committee to make an inspection tour of the cooperative potato warehouses in the Red River valley to secure plans or information"

relative to the potato warehouse. While potato inspection was the primary purpose of the tour, live stock and other items of interest were looked up. Warehouses were inspected at Fertile, Gary, Ulen, Hawley, Glyndon, Sabin and Moorhead. Potato growers were interviewed at all points along the line. All in the party were interested in the splendid results of live stock. A marked difference was noted in the condition of crops and in the cleanliness of the fields in which the combination had been used for a few years. On the return trip the Northwest School was visited with Mr. McCall acting as guide. The experimental plots were inspected. The trip was a decided success, and another is being planned."

**Sugar Beet.** "Cooperators are being secured for the testing out of sugar beets in the county. Much interest has been taken in this project. The Farm Bureau provided a small quantity of seed, and this was being distributed among the farmers of the county for trial test. This fall it is planned to get 3 beets from each plot, and send them to the Minnesota Sugar Company, Chaska, Minnesota, and have them tested for sugar contents. It is planned that if the tonnage per acre and the sugar contents can be secured, an effort will be made to interest capital to erect a factory in this section of the state."

**POLK COUNTY—Threshermens' Meeting.** "In response to a call sent out to the threshermen of the county, a meeting of the threshermen of the county was addressed by Mr. Bassett, University Farm, at which approximately 350 threshermen from Polk county were present. This meeting was held for the purpose of securing the cooperation of the threshermen in saving all the grain possible this year. A committee of 15 was appointed to work out a uniform threshing price for the county, with the Farm Management Division of the Agricultural College, who were gathering data on the cost of threshing during 1917. The recommendation was made to recommend that the wages paid during the season be as follows: \$2.50 for hay; \$3.50 to \$4.00 for harvesting; and \$4.50 for threshing."

**RED LAKE COUNTY—Red Cross.** "The Farm Bureau made a very successful drive for the aid of the Red Cross, Y. M. C. A., and K. C. There will be in the county four or five hundred acres of grain contributed, two to three hundred new Red Cross members taken, and four or five thousand dol-

lars in cash contributed. Meetings were held over the county to instruct the soliciting committees in the drive. The plan of the campaign was as follows:

"The farmers were assessed on the acreage basis depending upon the size of their farm. The towns and villages were assessed upon the basis of the Liberty Loan assessment of the town or village, using 15% of the local assessment. If a person interviewed was not a member of the Red Cross, he was asked to join and to make a monthly contribution to the Red Cross."

**ROSEAU COUNTY—Wool Project.** "Wool dealers were written to relative to the purchase of wool clip in order that each wool grower may get a fair price, or may know why the price may have been cut. The purpose was to make it educational as well as a financial project. The quotations of 65 to 70 cents were received from one Chicago firm. The agent acted as farmers' receiving agent on the above dates, consigning the shipments to the approved government purchasing agents to Twin Cities or Chicago. Clips of one hundred pounds or more will be consigned separately, and odd lots of small amounts will be pooled and consigned as one shipment, pro-rating freight, weight, shrink, and returns as per weight on each lot. On the wool days was received as follows:

Warroad, June 25	1,694 lbs.
Roseau, June 26	6,798 lbs.
Badger, June 27	4,895 lbs.
Greenbush, June 28	8,306 lbs.

21,873 lbs.  
Each farmers' shipment is billed separately to the Minnesota Wool Growers' Association. Each bag is tagged from and to whom with an identification in each bag. Other wool will be shipped as fast as received."

**Queen Bee Project.** "Queen Bees have been furnished at 50 cents each through the cooperation of the Bee Division. Three improved queens have been supplied to three bee-keepers. One bee-keeper, who has 25 swarms has made a success of bee-keeping and breeding, and the agent is planning further visitation to this keeper with a view to using his experience and success to further the bee industry in the county."

**WILKIN COUNTY—Farm Labor.** "The men of the towns in the county have volunteered to meet shortage as far as possible. They signed up for this work in some cases for as long a period as 30 days. The average period signed up for each individual is about eight days. In each township there is a local representative of the Farm Bureau who is easily accessible to the farmers to look after the labor needs of his community. Enlistment blanks were signed up which gave the name, address, age, where working at present, previous farm experience, and number of days available at present."

Each man who signed makes the following agreement: "If there is a shortage of farm labor necessary to harvest and store the crop of Wilkin county, I agree to work at least the above mentioned number of days under the supervision of the Wilkin County Farm Bureau at the usual wage for such labor. Any wage difference to be settled by arbitration."