

The Northwest Monthly

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THIRTEENTH ANNUAL COMMENCEMENT

A Large Class Graduates.

Interesting Exercises.

Commencement week was opened Sunday evening, March 23, with Baccalaureate services. Rev. L. A. Rose-land of the English Lutheran church, Crookston, preached the sermon on "The Value of the Individual to Society." On this theme with his usual eloquence, he delivered a most timely message. He said that an individual's value to society is not measured by his riches, by his learning, nor by his position socially or politically, but solely by the services he renders for the welfare of his fellow men, and that service is most valuable which is based on a noble character. A number of fine musical selections, among them a solo by Miss Jennie Fylling, added much to the exercises.

Superintendent's Reception to Senior Class

One of the most pleasant events of the year on the Northwest School campus took place March 25 when Superintendent and Mrs. Selvig entertained the seniors at their home. A very delightful program of parlor games had been planned and the guests entered into them with a spirit. There were contests of all kinds calling for both mental and physical agility. The old games of childhood days, with an ingenious touch of something new were as enjoyable as when first played. The setting up drill with its novel exercises and ludicrous misinterpretation of military commands perhaps carried away the honors for merriment. After refreshments the company joined in singing school songs. The company departed with a rousing cheer for the host and hostess. It

was an event that will long be remembered by the seniors.

The Senior Class Play Was a Decided Success.

"Partners," a sociological play, written by Estelle Cook, the author of "Back to the Farm" and "Kindling the Hearth Fire," was selected this year. It deals with the problem of the country church. The story tells of the work of Ralph Price, a graduate of the school of agriculture, who returns to his home community and through enthusiastic leadership and hard work against many obstacles succeeds in re-creating two small decadent churches and uniting them into one institution which serves as a community center for the whole region.

Henry Nabben as Ralph Price took his part very well and brought out the (Continued on page 2)

SEVENTH ANNUAL JUNIOR SHORT COURSE

Boys' and Girls' Club Work Promoted

Enrollment Largest in History of School

Club Leaders in Conference to Lay Plans

The Junior Short Course this year was a great success both in respect to enrollment and interest in the work. The weather was not favorable, but rain, snow and mud could not dampen the ardor of the young northern Minnesotans who were here to have a good time as well as learn valuable lessons that will make a game of their summer work. There

were 123 enrolled from nine counties, Polk county leading the list.

The emphasis placed on boys' and girls' club work in the planning of the course of study was attractive to the boys and girls and even more would have been here had not the bad roads prevented. Great earnestness marked both the class work and laboratory work. The special conference held for the groups planning to enter the various tests indicated that most of the boys and girls had made up their minds before the close of the week, definitely to enter one or more contests.

Boys' and Girls' Club Conference.

The closing day of Junior Short Course week was notable. In addition to the very interesting program of work for members of boys' and girls' clubs in attendance during the week to receive training for their summer's work, there was a conference of the club leaders of this section of the state who met to lay plans for this season's projects. It was a very enthusiastic meeting and is sure to result (Continued on page 6)

The Country Faith

Here in the country's heart
Where the grass is green,
Life is the same sweet life
As it e'er hath been.

Trust in God still lives,
And the bell at morn
Floats with a thought of God
O'er the rising corn.

God comes down in the rain
And the crop grows tall—
This is the country faith,
And the best of all!

—Norman Gale



Thirteenth Annual Commencement (Continued from page 1)

bigness of character of the hero. Clayton Mellum and Oscar Knutson as John and Fred, the two boys who rebelled against the old system, had difficult parts to play but they were at all times equal to the difficulties of the situation. Elba Buhn as the old maid seamstress and community gossip made a decided hit with the audience. She brought out the possibilities of the character very well. Albin Johnson, as pastor of the church, and Florence Lindfors as his wife, played their parts with dignity and grace. Lena Edman in the character of their daughter showed decided talent in the interpretation of her part. Tarjie Steenerson as deacon of the rival church, represented the non-progressive element of a backward community. His make-up and dialect impersonations were exceedingly funny and greatly amused the audience.

The scene of act one is a boy's shack on Sunday morning, where the minister's son and the son of the deacon of the rival church are discovered laying plans to run away from home to escape the uninteresting humdrum of their backward community life. The scene of act two is the parsonage the next day. Ralph Price appears on the scene just in time to save the boys from their well-laid plan to steal the collection money and escape to the city. Scene three is a room in the new community church three years later. The action takes place on the day of the community harvest festival and shows what a great transformation has come over the community under the new order of things. All the unhappy characters of the early period are now represented as interested and contented in the welfare work of the community. The little love tangle is straightened out and the closing speech might well be adopted as the motto for any rural community. Mary says: "Let us work together as partners to make this life better worth living every day in the week for every man, woman and child in the community."

Class Day Exercises.

According to a custom of the institution, the morning program which is the last regular assembly exercise of the school was in charge of the senior class, Miss Lena Edman, vice president, presiding. Three interesting demonstrations were given: Household tests of fabrics by Ella Fossbakken, Fosston, graduate of the home economics department; eradication of Quack Grass by Theodore Peterson, Fisher, a graduate of the regular agricultural course, and Physical Exercises in Rural Schools, illustrated by a drill with a class from the demonstration school by Miss Martha Bauer of Ada, a graduate of the normal training department. Miss Grace B. Sherwood, speaking for the school, extended its greetings to the visitors and spoke enthusiastically of the work of the institution and the inspiration that its workers are receiving from the loyal support of the people generally throughout this section of the state. A. H. Larson, senior class counselor, gave a masterly address, speak-

ing especially to the members of the graduating class. He held up for them as an aim of their life outside of school, to accept responsibility, see it through, and in all their work, not to think of selfish gain but service for the welfare of the community and nation.

Formal Graduation Exercises

The formal graduation exercises of the afternoon were very impressive. In spite of the difficulty of reaching the school on account of the bad road, the auditorium was crowded with people who had come to see the large class of the year get their diplomas. The program was opened by Rev. F. J.

illustration of her remarks by a model lesson with primary pupils of the demonstration school in reading and language work. Henry Nabben spoke on the value of sweet clover as a forage crop and Verna Immdahl gave a very instructive demonstration on the diet of the two-year-old. Albin Johnson, the president of the graduating class, gave his class oration, "Progress," in which he dwelt on the theme suggested by the class motto, "Climb, though the rocks be rugged." He drew a beautiful parallel between the work of a mountain climber and the life work of every person. He said that the essential qualities for success with both, is first a desire to reach the summit, then a preparation for an arduous task, and finally perseverance against great difficulties.

Dean Ford's Inspiring Message

Dean Guy Stanton Ford of the graduate school of the University of Minnesota, delivered the main address of the afternoon. He pointed out to the graduates the responsibility that devolves upon them of spreading out to all the people in the far corners of the state the work of the great University of Minnesota in all its departments. He showed that this was only an obligation on account of the privileges they had enjoyed through the provisions that the state had made for their education. In speaking of the world conditions today, he said that the great world crisis has not yet been entirely passed. The safety of democracy has twice been challenged, each time by the selfish motive of class rule. The first time it was by the ruthless force of autocracy. Now it is by another selfish class spirit generally known throughout the world as bolshevism. He said as Uncle Sam needed our support in carrying the war to a successful conclusion, so now not only our nation, but the whole world looks to them for guidance and assistance in restoring order and establishing universal and permanent peace. He was eloquent in his advocacy of the proposed league of nations.

Superintendent Selvig, with appropriate remarks, presented the diplomas to the class.

Scholarships Awarded.

Mr. A. A. Miller, chairman of the Crookston business men's scholarship and loan fund committee, was next called upon to announce the scholarship awards of the year. In a very forceful talk he explained the purpose of the scholarships. Only one scholarship was awarded at this time, that of \$125.00 given by the Scandia-American Bank of Crookston for greatest diligence and progress in class work during the school year of 1918. This was divided into two parts, \$75.00, the first prize, going to Carl Narveson, '20, of Twin Valley, and the second prize of \$50.00 to Sophie Krebèchek, '21, of Erie. Two other students received honorable mention. Maurice Bursheim, '21, of Winger, and Clara Gilbertson, '21, of Hendrum.

LIST OF GRADUATES

Agricultural School Diplomas

Lena E. Edman.....Alvarado
Ella Fossbakken.....Fosston
Elmer Olaus Holland.....Shelly
Verna S. Imsdahl.....Oslo
Albin J. Johnson.....Fertile
Oscar R. Knutson.....Warren
Clayton O. Mellun.....Ulen
Henry Nabben Thief River Falls
Theodore Peterson.....Fisher
Raymond Herbert Rutherford
.....Euclid
Olga R. Spjut.....Strathcona
Tarjie Steenerson.....Climax

Teachers' Training Diplomas

Martha L. Bauer.....Ada
Elba W. Buhn.....Mentor
Teckla Erlandson.....Kennedy
Louise M. Horn.....Ada
Velura P. Kinnan.....Crookston
Gerda Elvira Kulle.....Alvarado
Cora Theresa Lindfors.....Fosston
Beda Florence Lindfors.....Fosston
Leah B. Stewart.....Luck, Wis.
Luella A. Torske.....Borup
Olga E. Tunheim.....Newfalden
Adele W. Westphalen.....
.....Laurel, Neb.

Special Certificates

Alma T. Bakken.....Erskine
Ruth Margaret Solem.....
.....Thief River Falls
Rachel Ulvin.....Wannaska

Tractor School Certificates

Arthur Dorf.....Lancaster
Cleary Eliason.....Kratka
Martin Nordin.....Lancaster
Edwin Nystrom.....Fosston
Ernest Roetman.....Badger

Dressmakers' Special Course

Alice Arends.....Borup
Vida Johnson.....Hallock
Hilda Jorgenson.....Goodridge

Seniors in Service

Four of the members of the Senior Class joined the army. They are: William Austin, Henry Gibson, Nobel Olson and Alpha Valley.

Hibbard pronouncing the invocation. Three very interesting and practical demonstrations were given by members of the graduating class.

Miss Velura Kinnan spoke on rural school exercises and gave a splendid

Agricultural School Graduates Give Their Senior Theses

Demonstrations and Addresses Feature Commencement Program

SENIOR THESES

A very important part of the work of each Senior of the Northwest School of Agriculture is the preparation of a thesis on some phase of agriculture, the farm home, or rural community life. The student chooses some subject along his special interest and training, and studies all available material on the question. The written reports each year are bound and these volumes become a valuable part of the historical record of the work of the school.

The theses this year were very interesting. The subjects were particularly well chosen and thoroughly prepared. Some were presented before the school at general assembly; others were given as numbers of various programs during commencement week.

Velura Kinnan scored a distinct hit with her model school demonstration in the teaching of language work, given during the afternoon program of graduation day. The demonstration reflected ability on the part of both teacher and pupils and, above all, the value of training for a teacher. Verna Imsdahl's demonstration of "The Diet of a Two-Year-Old" was ingeniously conceived, skillfully executed, and most thoroughly enjoyed by the audience. A life size doll in a high chair made the serving of the meals very realistic and held the attention of the audience. Henry Nabben's talk on "Sweet Clover" was like an institute lecture by a specialist.

Three theses were presented as a part of the Senior Class day exercises. Tarjie Steenerson spoke on "The Present Status of Pure Bred Shorthorns in the Red River Valley." He had made a very careful study, not only of their history in the Red River Valley, but of the whole breed from its very beginning in England. Theodore Peterson gave a very practical and instructive demonstration of "The Eradication of Quack Grass." His talk included a thorough explanation of the life habits of the plant and methods of eradication, based on these habits. Martha Bauer gave a very forceful talk on "The Value of Physical Education" and most aptly illustrated her program for rural schools by an exhibition exercise of physical culture, using a class of pupils from the model school. The following is a complete list of the theses and just a quotation from each:

The Relation of Color to Home Equipment—Olga Spjut.

"When furnishing a house, too great emphasis cannot be placed upon securing the proper color scheme for every single room."

The Diet of a Two-Year-Old.

Verna Imsdahl.

"To boast that the two-year-old is able to eat everything is not a tribute to its precocity, but to the ignorance of its mother. Feeding must be a matter of principle and not of

impulse, and the reward will be partly in the present and much more in the future."

The History of the Home Economics Movement.—Lena Edman.

"Mrs. Ellen H. Richards, scientist, educator, friend to whom the American home owes a lasting debt—has been the chief instigator of this movement.—She says Home Economics stands for:

"1. 'The ideal home life of today, unhampered by the traditions of the past.

HOME ECONOMICS STANDS FOR

"The ideal home life of today, unhampered by the traditions of the past.

"The utilization of all the resources of modern science to improve home life.

"The freedom of the home from the dominance of things and their due subordination to ideals.

"The simplicity in material surroundings which will most free the spirit for the more important and permanent interests of the home and society."

—Mrs. Ellen H. Richards.

"2. 'The utilization of all the resources of modern science to improve home life.

"3. 'The freedom of the home from the dominance of things and their due subordination to ideals.

"4. 'The simplicity in material surroundings which will most free the spirit for the more important and permanent interests of the home and society'."

Social Life in the Country.

Leah Stewart.

"Without social life in the community the farmer is weaned away from the country and begins to plan and look forward to the time when he can sell his farm and move to town."

Women in Industry.

Louise Horn.

"During this great world war, women—have proved that they can manage the situation as skillfully and tactfully as men. At the present time over seven million are engaged in industry. To be successful a woman will need an education for the work she is to perform."

Sweet Clover As a Forage Crop.

Henry Nabben

"Stop considering sweet clover as a

weed and grow it to prepare the land for other legumes—to keep up the normal high fertility of the Red River Valley soil."

Eradication of Quack Grass.

Theodore Peterson.

"Start eradication methods as soon as the first patch is found and dig it out. If you have small patches in fields, late summer fallow and grow more cultivated crops; if solid fields of quack grass, employ bare fallow as much each year as you can efficiently."

Better Community Life.

Elmer Holland.

"It should therefore be the duty of every student of the Northwest School of Agriculture to take an active part in all community affairs in order to help the people in their home surroundings to build up a better community life."

The Problem of Using Peat Land in Northern Minnesota.—Clayton Mellum.

"Manure and phosphate gave the same results on unburned peat. In order to secure satisfactory growth of plants, phosphate must be supplied in some form, either as barnyard manure or phosphate fertilizer."

The Work of a Weed Inspector.

Raymond Rutherford.

"Last year the weed inspector in Clay county showed that a well organized campaign conducted by a weed specialist will soon check the spread of our most dangerous weed."

The Value of Hot Noon Lunches in Rural Schools—Olga Tunheim.

"The safest and surest way to start a child on the road to success is to develop his body properly.—Wholesome food is essential. His health will be protected—if the hot noon lunches become the connecting link between the home and the school."

Present Status of Shorthorn in the Red River Valley—Tarjie Steenerson.

"Some time when you feel like reading an interesting story—like a fairy tale—obtain a history of the Shorthorn Cattle."

Practical Experience with Field Peas in Northwestern Minnesota.

Oscar Knutson.

"The culture of field peas as a forage crop should occupy an important place on the farms of Northwestern Minnesota."

Household Tests of Fabrics—Ella Fossbakken.

Consolidation of Rural Schools—Luella Torske.

Food Conservation After the War—Adelia Westphalen.

Value of Home Management Course—Gerda Kulle.

Value of Public Speaking—Elba Buhn.

Language Work in Common School—Velura Kinnan.

Class Address—"Climb Though the Rocks be Rugged."—Albin Johnson.

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.

LEGISLATURE VOTES NEW BUILDING AND ROADWAY FOR NORTHWEST SCHOOL

The legislature which adjourned at noon today made adequate provisions for maintenance and for new improvements at the Northwest School of Agriculture. In addition to an increase of \$5,000.00 annually, for maintenance, which was the sum requested by the institution and recommended by the Board of Regents, an appropriation was made for a dining hall building. This passed two years ago but was vetoed on account of war conditions. It will cost about \$90,000.00, as \$10,000.00 out of the total appropriation of \$100,000.00 that was voted, is to be used for altering and remodeling the present dining room and kitchen which have been located temporarily in one of the boys' dormitories.

Work will begin on the building as soon as the plans are completed. The proposed location is on the open space between the Hill building and Stephens hall, left vacant a number of years ago by the removal, to another location, of the old farm house, which was built in 1896.

The legislature also voted \$100,000.00 for paving the campus streets and to pay one-half the cost of paving the road which adjoins the state property south from the campus entrance to the Grand Forks-Great Northern track. The law contains the stipulation "that in no event shall any of the said money be available for said purpose until the County of Polk and the City of Crookston have made arrangements to provide for a complete system from the entrance of the said farm school into the city of Crookston."

Federal aid to pay one-half the cost is expected. The matter will be taken up with the State Highway Commission and the county commissioners of Polk county in the near future.

The intolerable conditions with respect to the road to the agricultural school can now be remedied. During the latter part of March and early in April it was nearly impossible to reach the school except by walking along the railway tracks. A statement numerously signed on commencement day by persons present at the exercises called attention to the great need of providing a permanent hard surfaced road. During the Junior Short Course week, the 123 boys and girls in attendance were compelled to walk to Crookston in the slush and snow as the school auto could not be used.

The Northwest Monthly hopes to chronicle the last chapter of this road matter in its next issue and that work will begin in the near future.

FAIRFAX-ANDOVER SOCIAL CLUB PRESENTS NORTHWEST SCHOOL WITH LOAN FUND

One of the high points of enthusiasm at the commencement exercises of the Northwest School of Agriculture was reached at the announcement of a \$50 students' loan fund presented by the Fairfax-Andover Social Club. Mrs. Miller, president of the club, in her letter of presentation, said that the club had voted this appropriation unanimsly and directed that its disposal be left to the superintendent of the school to assist worthy needy students as he saw fit.

The students and faculty greatly appreciated this action, not only for the help that it will be in a financial way to students in the future, but as a mark of confidence that it indicates on the part of farmers in the work of the institution.

BOARD OF REGENTS ACCEPT SCHOLARSHIP

THE UNIVERSITY OF MINNESOTA Minneapolis

Office of the President

Mr. C. G. Selvig,
Northwest School and Station,
Crookston, Minnesota.

My dear Mr. Selvig:

At a meeting of the Board of Regents held yesterday, I presented your letter of March 26, together with the copy of the letter of Mrs. W. J. Miller of March 25, in which a gift of \$50 from the Fairfax-Andover Social Club was presented as a students' loan fund.

It gives me great pleasure to inform you that it was promptly accepted by the Board of Regents and that I was asked to convey to you, and through you to the Fairfax-Andover Club, our deep appreciation of this gift.

Believe me,

Sincerely yours,

M. L. BURTON.

April 23, 1919.

STATE AID FOR THE RED RIVER VALLEY LIVE STOCK ASSOCIATION

The Red River Valley Live Stock association was granted an appropriation of \$2,000.00 annually by the legislature which adjourned recently. This association is composed of about 500 shareholders who built the winter live stock pavilion used to promote live stock exhibitions and sales. The mem-

bers of the legislature who were in Crookston during the show in February commended at that time the initiative and progressiveness of the Red River Valley farmers and citizens who made the building possible. This and the support given the association by all of the legislators from the ninth congressional district and especially the personal interest of Representative C. O. Carlson from Polk county, who is a director of the association, secured favorable recognition from our law makers.

Superintendent C. G. Selvig, the president of the Live Stock association, spent a day at the Capitol last month. Upon his return he expressed himself as being highly gratified over the outcome of this legislation, believing that it means a great deal for the future development of live stock in northwestern Minnesota.

Steps will be taken immediately to raise money to build additional barn space to provide the additional room needed. The Live Stock association will hold a meeting in the near future when steps will be taken to carry out these plans.

1919 RED RIVER AGGIE

Most of the engraving for the 1919 Red River Aggie has been completed and it will soon be sent to the printer. The delay in editing the Annual this year has been intentional in order that as complete a record as possible of the school's activity during the war may be included. The greater part of the book will be devoted to the school in service. This department will show our two service flags in colored plates. Space will be devoted to the five boys who died in service. There will be as complete an honor roll as it has been possible to compile. In addition there will be extracts from letters and a page showing most of the war posters. There will be the usual sections devoted to the faculty and classes. The section on school life will be one of the most extensive parts of the annual. The alumni section will be especially interesting this year, due to the splendid cooperation received from the alumni.

Only as many Annuals will be printed as the board has received orders in advance. This is being done in order that there need be no expense by having a number of unsold Annuals on hand. This is the last notice which will be made urging the purchase of the 1919 Red River Aggie. We believe that due to the unusual circumstances created by the great war, a large number of graduates, former students and others will be anxious to have a copy of this book. In order that all who wish an Annual may receive one, it is requested that the order be sent in at once enclosing \$1.50 for each Annual ordered. As soon as the Annuals are completed they will be mailed to those who have ordered them.

**RED RIVER LIVE STOCK ASSOCIATION
RECEIVES NATIONAL RECOGNITION**

**District Duroc Jersey Futurity Show to Be Held In February, 1920.
Poland-China Show Also.**

The Red River Valley Live Stock association will have a district Futurity Show for Duroc Jersey Swine, and a promotion pig show for Poland China Swine, according to W. V. Gousseff, secretary. This should bring out a strong show of these particular breeds and puts the swine show on the same plane as the State and National Shows. The good showing made by the swine breeders at last winter's show has made it possible to obtain this recognition. The following outline explains the rules governing the show which is open to any breeder in this section. Anyone interested should write at once to the secretary of the show, since all nominations will close not later than May 15.

The National Duroc-Jersey Record Association District Futurity Show for 1920.

To be held in connection with Live Stock Show. \$200 for spring pigs not farrowed before March 1, 1919.

Spring Pigs.

	1	2	3	4	5
Boars	\$15	\$13	\$10	\$9	\$8
Sows	15	13	10	9	8
Litter of four.....	25	20	17	15	13

Ten herds to be nominated in a Futurity at \$5.00 each, and these nominations must be made by breeders of the district in which the Futurity is held. Herd nominations close May 15, 1919.

A second payment of \$1.00 will fall due June 1, 1919, on each litter from nominated sow which it is desired to keep eligible in whole or in part.

A third payment of \$1.00 per pig will fall due and must be paid 30 days before the opening of the show for each pig from litters kept good for the show that it is desired to exhibit.

Rules Governing the Futurity.

1. Futurity pigs must be farrowed not earlier than March 1, 1919.
2. A litter consists of four pigs of either or both sexes, farrowed by one sow.
3. Should a nomination be made in a district which failed to comply with conditions to secure a Futurity, the nomination fee will be returned.

Poland China Promotes Pig Show.

To 10 or more prospective Poland China exhibitors at an interstate district, or county show desiring to cooperate with the Red River Valley Live Stock Show and the American Poland China Record, the following classification for spring litters farrowed the property of the exhibitors on or after March 1, 1919, will be guaranteed by the American Poland China Record association, Union Stock Yards, Chicago, Illinois.

1	2	3	4	5	6	7	8	9	10
\$30	\$25	\$20	\$18	\$15	\$12	\$10	\$8	\$7	\$5

Ten litters to be nominated at \$5.00 each.

Pigs must have been farrowed the property of the exhibitors on or after March 1, 1919.

The awards will be made for the four best pigs from one litter. The exhibit may include all boars, all sows, or both sexes.

No exhibitor will be allowed to nominate more than one litter.

Should more than 10 nominators exhibit litters, sufficient additional cash prize will be awarded so that every litter shown will receive at least \$5.00.

The American Poland China Record will provide special ribbons for each award.

**FEEDING CHICKS TOO
SOON AFTER HATCHING
WILL RETARD GROWTH**

**They Are Provided With Food in the
Form of Yolk in the Parent Egg.
Allow Two-Days' Fast.**

Little chicks are better off if not fed for from forty-eight to seventy-two hours after they are hatched. Nature provides them with sufficient nourishment in part of the yolk of the parent egg which is in their systems. Too early feeding oftentimes has a tendency to cause diarrhoea. Some authorities say too early feeding retards the absorption of the yolk beyond its natural time, thus seriously

**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.
- J. P. Bengtson, School Projects, Club Work.
- C. E. Brown, Poultry.
- A. M. Foker, Farm Buildings, Drainage.
- T. M. McCall, Horticulture, Potatoes, Root Crops.
- A. M. Christensen, Home Projects, Pure Seed Distribution.
- W. V. Gousseff, Live Stock.
- R. O. Westley, Field Crops, Farm Management.

weakening the chick. There are many other theories advanced of like nature.

Leave Them Alone Awhile.

We all know that little chickens require constant attention, and this means time, so that any unnecessary work should be avoided. As nature has provided the little chicks with yolk sufficient for all their needs for several days, why not leave them alone for two or three days as far as feeding is concerned and apply our time elsewhere? We are often too anxious to satisfy his apparent hunger just as soon as the chick is out of the shell. He is not hungry. It is simply vigor and vitality asserting itself. The stronger the chick the more he will run about and peck at objects. This is good for him. Exercise strengthens his muscles and legs. Keep the little fellows quiet by all means for two days. Then, when it is natural for them to be possessed with an appetite begin feeding them, lightly at first, gradually increasing the amount of food until at the end of the second day they should be allowed all they care to eat, five times a day.

Water Taken at Once.

We always water the chicks as soon as they are put in the brooders. The brooder is always littered with fine grit or coarse sand on top of which is scattered an inch or so of fine chaff or clover leaves so that they learn to drink and eat grit before any food is given.

There are a great many different methods of feeding, as well as mixing the rations. The commercial foods are splendid if they can be purchased reasonably, but for the ordinary housewife who rears only a hundred or two chickens each year, the old-fashioned rations are often most satisfactory.

A Good Mash.

For the first two or three days we like to feed as a mash hard boiled egg and bread. Boil the infertile eggs, if you have any, a good half hour, then get some good dry stale bread, four times as much by weight as the egg. Then put the egg, shell and all, through a common meat grinder, grind the bread as well and mix thoroughly together. Give this mixture about three times a day for three or four days, after which a less expensive mash, such as equal parts by weight of finely ground corn, shorts and bran mixed crumbly with sour skim milk. For a grain ration we like finely cracked corn, with the meal sifted out, and small shrunken or cracked wheat, equal parts by weight mixed with one quarter part of millet seed. This grain mixture is fed in addition to the mash twice a day in the litter as a scratch feed. This makes five feeds a day, three of mash and two of cracked grain. In addition to these two feeds keep water and grit before them constantly, also once a day we give them some green food, such as a small piece of potato or beet stuck on a nail. This gives them exercise picking at it and also keeps their bowels in good condition.

Seventh Annual Junior Short Course

(Continued from page 1)

in great development of boys' and girls' club work in Northwestern Minnesota. More than forty county and district club leaders, county agents, and rural teachers were present.

The principal speakers were O. H. Benson, Washington, D. C., Federal Agriculturist in charge of Boys' and Girls' club work; Agnes Morton, Washington, D. C., Field Worker in the same department; T. A. Erickson, St. Paul, State Leader of Boys' and Girls' clubs, and O. F. Howard, Assistant State Leader. Short reports were made by the club workers from various sections of the state with indications that club work has been greatly extended with good results in recent years. Miss Morton spoke at length with special emphasis on the training of demonstration teams. Her talk was full of helpful suggestions, based on her rich experience in judging in state and interstate contests. Last year she judged 192 different contests.

Mr. Benson added much interest and enthusiasm to the meeting. The club leaders plied him with questions about knotty problems and he answered them with the wisdom of one who has had a long and thorough experience. He was kept busy throughout the day and evening, speaking both at the students' and leaders' meetings.

Some very excellent work was done in the various contests of the closing day. The following prizes were awarded:

Sewing.

1. Buelah Bakken, Erskine.
2. Naomi Hartman, Crookston.
3. Anna Nomland Fisher.
4. Helen Flaot, Fisher.
5. Inga Holland, Shelly.

Breadmaking.

1. Adele Hole, McIntosh.
2. Gegina Hofstad, East G. Forks.
3. Anna Overland, Fertile.
4. Selma Hager, McIntosh.
5. Neva Gibbons, Crookston.

Canning.

1. Una Briden, Crookston.
3. Anna Overland, Fertile.
3. Esther Anderson Angus.
4. Amy Onneland, East G. Forks.
5. Vera Campion, Angus.

Potato Judging.

1. Berger Sjoquist, Strandquist.
2. Inger Hegland, Fisher.
3. Alton McRae, Beltrami.
4. Roger Briden, Crookston.
5. Harold Marshall, Crookston.

Corn Judging.

1. Johnny Farnzman, Grygla.
2. Eddie Lee, Grygla.
3. Loyd E. Knudson, Warren.
4. Oscar Peterson, Erskine.
5. Robert Remick, Mentor.

Live Stock Judging.

1. Earl Brown, Hallock.
2. Wyman Johnson, Climax.
3. Roy Jacobson, Kennedy.
4. Ingvald Bjelland, Erskine.
5. Guy Overland, Fertile.

RECORD OF SCHOOL ACTIVITIES

**Live Stock, Public Speaking, Business Practice and Athletics Compete
for the Student's Interest.**

LIVE STOCK STUDENTS INTERESTED IN PURE BRED STOCK

Students are very much interested in pure bred stock as was manifested by the interest displayed by students taking the course in live stock management, advanced herd management, and judging breeding stock, offered at the Northwest School during the past year. An opportunity was given students in the management class to fit stock for the Red River Valley show, thus enabling them to learn the elements of breaking and fitting stock for the show.

Special emphasis will be given this work in the contemplated courses for next year. Students will be given opportunity to work with the various herds at the station. It is planned also to have one or two achievement days during the year at which time students will have a chance to display the stock fitted by them.

That pure bred stock is rapidly becoming popular in this section was indicated by the interest the students took in the course wherein pedigrees of the leading breeds were studied. The work in advertising live stock appealed to a great many of the students and some of the work sent in by the students showed that they would be ready to advertise their wares as soon as they had pure bred stock to sell.

The students were keenly interested in the judging of breeding stock. So much interest was displayed by the underclass men that it will keep the Seniors busy to hold their time-honored first place. A series of monthly contests will be held during the coming year to determine the best stock judges in the various classes.

PUBLIC SPEAKING

The school places much emphasis on public speaking and discussion, and aims not only to have the students accumulate facts and evolve ideas, but also to acquire an ability to express these ideas intelligently. They are encouraged to prepare themselves to take part in public meetings in their home communities. Public speaking is a regular part of the English work. This year in addition to the class work, a public speaking program was given every Monday night and every student appeared at least once during the year before an audience of the whole school.

One hour a week, during the first two years of the English course, is devoted to the study of the principles of debate. Very good results were obtained this year in the Freshmen class. At the close of the term every member of the class was able to appear before the student body and give a discussion on important questions. The students talked from outlines, giving a suitable introduction to their remarks and, at the close, a summary of their argument, with a plea for the adoption of their ideas.

TYPEWRITING AND BUSINESS FORMS

More and more the need comes to the farmer to keep a set of account books, to fill out numerous papers, and to carry on a business correspondence. The typewriter has become as necessary a part of the equipment for a farm as any other invention. Knowledge and skill are needed both in accounting and typing in order to keep abreast with the times. It is for this reason that a course of six hours per week has been added to the list of elective courses for young women and men which includes typewriting and business forms. It proved to be a very popular course.

Good Progress Made.

There were two sections in the typewriting class, both of which did excellent work. At the close of the year they were able to write clean letters. In the final test, they attained an average speed of 20.3 words per minute, using new matter. Vivian Lundberg won first in both the accuracy and speed tests on a practice exercise, making 54 words per minute in each. Hazel Perry won first in the accuracy test, using new matter, with a score of 21.2 and Clara Gilbertson in the speed test with 21.9 words per minute.

The class in business forms took up elements of business, with practice in business correspondence, checks, bills, receipts, notes, deeds, mortgages, and other business papers. They also did excellent work in elementary book-keeping. Sets of books were opened and closed for various types of business using typical transactions. The class was able to post up the ledger correctly, take the trial balance, figure the net profit and net worth, and make out statements of resources and liabilities.

Although the Northwest School of Agriculture specializes in home and farm training, it cannot neglect the necessary business training so essential in making the farmer a success.

The Annual Inter-Class Field Meet.

The athletic activities of the school came to a close with the annual inter-class field meet. It was the most spirited meet that has been held in many years. The various events were very closely contested, the seniors finally winning over the juniors by a margin of only two points. The freshmen showed up very well and won much consolation for their defeat through taking first honors in the tug of war, first honors in which are prized above those in any other event. A number of individuals established records in various events. Henry Nobben,

Before the field meet the Aggies played their final game of basketball, meeting and defeating the team from Fisher, with the score of 12 to 24.

WORK OUTSIDE OF THE CLASS ROOM

Home Projects and Club Work Interests Many—Puts Knowledge to the Test of Practice.

HOME PROJECT WORK

The mottoes "Science with Practice" and "Learning by Doing," are being applied in the school's plan of allowing its students to earn credits toward graduation by home work during vacation. This summer practicum feature, as it is called, affords an opportunity for the boy and girl of the country to be learning valuable lessons of farm and home under scientific direction for twelve months in the year, six months in school and six months on the farm. It is the ideal way of getting a practical education in agriculture.

The registration for home work this year is larger than ever. Extensive preparations were made for the work before school closed and the students are enthusiastic. Sewing projects and the canning and drying of fruits and vegetables are popular choices among the girls. The most popular project, when judged by the number enrolled, is the potato project. The aim of this project is to raise pure seed and to study the control of disease. The plots vary from one-fourth to two acres in size. Some large yields with fine profits may be expected. Second in popularity is the growing of pure seed wheat. Many of these are to be sown with tested varieties from Northwest Experiment Station stocks. A large number of the engineering students will keep records of the tractor operation to determine efficiency in operating and the cost as compared with horse labor for the same work.

The following summary shows the enrollment and the variety of work to be done. The difference in the two totals is explained by the fact that some students have enrolled for more than one project:

- 26 Potatoes.
- 20 Sewing.
- 19 Wheat.
- 9 Canning.
- 8 Farm Management and Accounts.
- 7 Tractor Records.
- 6 Stock Feeding.
- 4 Alfalfa.
- 3 Peat Soil Experiment.
- 2 Sheep.
- 2 Gardening.
- 2 Dairy Herd Management.
- 2 Barley.
- 2 Tree Planting for Windbreaks.
- 1 Bees.
- 1 Root Crops.
- 1 Oats.
- 1 Field Peas.
- 1 Clover.
- 1 Swine.
- 1 Fruit.
- 2 Corn.
- 2 Weed Eradication.
- 129 Total Projects.
- 21 Girls Enrolled.
- 86 Boys Enrolled.
- 107 Total Enrolled.

O. H. BENSON ON CLUB WORK

1. Club work through its early development of ownership and habits of thrift is a powerful factor in training for good citizenship
2. The team work of the club develops a spirit of cooperation not only among the children themselves but between teacher and parent, and between the school and home till it pervades the whole community in all its activities.
3. It trains that manly and womanly strength of character which enables a person to get into a job, to stay in its against difficulties, and to finish it.
4. By giving a definite work it develops purpose and vocational ability.
5. By giving the boy or girl a chance to earn, it develops independent productive citizens.

THE DIGNITY OF FARMING

"No other occupation opens so wide a field for the profitable and agreeable combination of labor with cultivated thought, as agriculture. I know nothing so pleasant to the mind as the discovery of anything that is at once new and valuable—nothing that so lightens and sweetens toil as the hopeful pursuit of such discovery. And how vast and varied a field is agriculture for such discovery! The mind, already trained to thought in the country school or higher school, can not fail to find there an exhaustless source of enjoyment. Every blade of grass is a study; and to produce two where there was but one is both a profit and a pleasure. And not grass alone, but soil, seeds and seasons—hedges, ditches and fences—draining, droughts and irrigation—plowing, hoeing and harrowing—reaping, mowing and threshing—saving crops, pests of crops, diseases of crops, and what will prevent or cure them—implements, utensils, and machines, their relative merits and how to improve them—hogs, horses and cattle—sheep, goats and poultry—trees, shrubs, fruits, plants and flowers—the thousand things of which these are specimens—each a world of study within itself."

ABRAHAM LINCOLN.

VALUE OF EDUCATION ILLUSTRATED

If you have no schooling your chance to become distinguished is this large:



If you have a common school education your chance is this large:



If you have in addition a practical vocational training together with a liberal education in English, science and citizenship, your chance is this large in proportion.



Would it not be best for you to enroll in the Northwest School of Agriculture next fall? You can enter without examination.

A good many boys have left school in the past years to earn \$2.00 or \$3.00 per day. If they had stayed in school they would have earned much more than \$3.00 per day. Here is proof:

An uneducated laborer on the average earns \$500 a year; in forty years he earns \$20,000. The person who has had three to four years of training above the common school earns on the average \$1000 a year and in forty years \$40,000. To take eight years of nine months each in the common school and three years of six months each in the agricultural course requires 1800 days in school. So 1800 days in school adds \$20,000 to a boy's income; then each day in school adds—well, you figure it out and decide whether any boy can afford to work for \$3.00 per day when he might be in school.

What Farm Bureaus Are Doing

Organized Effort Counts For Better Farming

February's Report Summarized

This is our first opportunity to acknowledge through these columns the receipt of a summarized report of the county agents of the northwest district for the month of February. It is very interesting and indicates that tremendous progress is being made along agricultural lines in this part of the state, through the organized effort of the Farm Bureaus.

In reading the report, one is impressed with the fact that the month of February was a month of conferences. There were community, county, district and state meetings, and the very favorable reports as to attendance and interest are an indication of a growing spirit of mutual interest and helpfulness. The meetings served as clearing houses for the exchange of ideas.

All speak of the Annual Farm Bureau Conference at the University Farm, St. Paul, with enthusiasm. The only regrets expressed are that the county agents could not be in enough places conferring with several men about a variety of problems all at the same time. A number suggest more time for personal conferences at this meeting.

All the agents report some cooperative service in the interests of the Northwestern Minnesota Farmers Week and the Live Stock Exhibit at Crookston. The Live Stock Show and Sale especially received very favorable comment and county agents are enthusiastic both over the sales and purchases by farmers of their counties.

A number of counties held their annual farm bureau meeting during February. They were universally successful, and reports indicate that the organizations are in a flourishing condition.

Several counties report series of farmers institutes.

The month of February was also a month of organization. Boys' and Girls' club work received universal attention and indications in every county are that the season of 1919 will be very successful along this line, if only the weather man will do his part. Boys' and Girls' club leaders, parents, teachers, farmers and business men all seemed to be enthusiastic and anxious to pull together.

Lack of space permits only a bare enumeration to indicate the variety and extent of the work of organization throughout the district:

Potato Warehouse and Shippers' Association—Becker, Clay, Norman, Clearwater and Mahnommen counties.

Poultry Associations—Kittson, Red Lake and Pennington counties.

Live Stock Breeders' Association—Pennington and Wilkin counties.

Bull Association—Clearwater Co.
Sow Thistle Clubs—Clearwater Co.
War Savings Societies—Kittson county.

Farm Loan Association—Becker county.

County Fair—Pennington county.

Figuring income tax was service rendered by all the county agent offices during the month. A number also report the publication of exchange lists.

FARM LOANS, LIVE STOCK, POULTRY, AMONG THE LIVE PROJECTS

The following list of extracts from the summarized report is included to show the variety of work being done throughout the district.

"A circular letter has been sent to farmers in the territory not already covered by a farm loan association explaining the loan to them preparatory to calling a meeting for organization purposes."—Becker County.

"A Home Economics Department of the Farm Bureau has been voted on by the board of directors subject to the securing of two hundred women members to the association. To secure these, a schedule of meetings was arranged for the purpose of presenting this work to the women in the county. The following schedule was arranged with Mrs. Annabel C. Coe, assistant home demonstration leader, as the speaker. Later, Miss Ferris was appointed leader."—Clay County.

"Boys' and Girls' club work is being organized for the year. A prize list was revised and mimeograph copies made of the same.

"The Shevlin school was visited and projects explained. This club has 39 members.

"Circular letters were sent to all rural school teachers outlining the club work. It was planned to let the county superintendent of schools report on the rural schools. The county agent will work principally with the clubs in the village schools, endeavoring to make standard clubs of them.

"Potato, pig, sheep, canning and bread projects will be pushed."—Clearwater County.

COUNTY AGRICULTURAL AGENTS Northwest 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, Mahnommen
Marshall	John Huseby, Warren
Norman	Henry P. Brandt, Ada
Ottertail	C. M. Kelchan, Fergus Falls
Pennington	J. J. McCann, Thief River Falls
Polk	R. H. Van Scoik, Crookston
Polk	G. H. Atwood, Crookston
Red Lake	C. C. Lake, Red Lake Falls
Roseau	Oscar M. Olson, Roseau
Wilkin	L. S. Stallings, Breckenridge

Boys and Girls Helped To Get a Start In Club Work

"Kittson County Poultry Association was organized at Lancaster, February 8. A membership committee with members in all townships of the county was appointed, also a premium committee. The fair will be held at Lancaster early in November. The problem involved was to place the association on the list of county poultry associations receiving state funds."—Kittson County.

"Blackleg has broken out in the county. This is being controlled by the vaccination of infected herds by the county agent. Forty-three head were vaccinated during the month."—Mahnommen County.

"One peat demonstration plot has been selected and an order taken for 1000 pounds of phosphate fertilizer."—Marshall County.

"A live stock survey is being made within the county to determine the number of registered sires being used in the county and the number of pure bred herds in the county."—Norman County.

"Guernsey breeders met at the Commercial club rooms at Thief River Falls on February 21st at which time the Red River Valley Guernsey Breeders' association was organized. The membership fee was set at \$1.00 for the first year. Officers were elected and the constitution and bylaws adopted."—Pennington County.

"Seed corn at Fosston was sorted and sacked ready for sale. Shrinkage amounted to 50%."—Polk County.

"Farm account meetings were held at Plummer, Brooks, Oklee and Red Lake Falls. Twenty-five men were assisted in starting farm account books and in making their inventories for 1919, in order that they might have their business in shape to make the income tax return. These people live in the vicinity of Plummer, Brooks and Oklee."—Red Lake County.

"Messrs. Cavert and Black of University Farm were interviewed relative to an organization for using Liberty Bonds as collateral for short time credit. It was found that it was possible, with practically no other organization than the Farm Bureau to secure short time loans at the rate of 6% interest paid in advance, length of time limited to six months, with the privilege of renewal. This has been referred to other parties without the county and also within the county and find everyone favorable to some movement along this line. Plan to present this project to the directors meeting next week."—Roseau County.

"Six farmers' meetings were scheduled in the county for the purpose of live stock improvement and production."—Wilkin County.