

The Weekly Spectrum.

VOL. XI. NUMBER 9.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, NOVEMBER 26, 1907.

PRICE 5 CENTS

Prof. Ladd and the Millers.

MAY PROSECUTE THE MILLERS.

The temporary injunction which the Russell-Miller Milling Company, et al., secured against Prof. Ladd, enjoining him from publishing bulletins and condemning their products was modified by Judge Pollock after an all-day's hearing, and Prof. Ladd may now prosecute such millers as are violating the state pure food law. The modified injunction will probably stand and come up before the court early in February.

This case is creating attention all over the country though it is probable that few people realize the significance of Prof. Ladd's contentions. If they are true, 90 per cent or more of the flour turned out by the mills of this country contains an active poisonous principle and is harmful to the consumer. The millers have taken the stand that the bleaching or ageing of flour by the action of peroxide of nitrogen improves the flour and say that they have made investigations which verify this statement. That some of the investigations may have done so, we cannot say definitely, but the report given out by Dr. Gudeman of Chicago, and outlined in our last issue would indicate that they were unanimous in their results.

Altogether the case promises to be a strenuous legal battle. The best talent of the Northwest is arrayed on both sides. Prof. Ladd has secured a number of government experts to state their views on the matter and on the other hand the millers have a number of the best chemists in the country working on the problem.

THE BLEACHING OF FLOUR.

What about the bleaching of flour? That question is being pretty generally asked at the present time. It is interesting to note that as long ago as 1903 some experiments were made on bleached flour, and samples were submitted to several chemists including Snyder of the Minnesota Agricultural College, and after making the investigation, he stated according to the Modern Miller:

"While the bleaching process has whitened the flour, it has at the same time to a slight extent influenced the character of the gluten. It is slightly oxidized, and does not appear to have as good powers of extension and absorption of water as the untreated."

Prof. Snyder then concludes his report as follows:

"Nitrogen per oxide is an energetic oxidizing compound and when used for bleaching purposes, it must oxidize and cause chemical changes to take place in the compounds which impart color. In doing this, it would also seem reasonable to expect it to act upon the gluten changing its properties which, from the behavior of these samples of flour, it appears to have done to a limited extent. I do not think on the whole that people take kindly to the chemical treatment of food materials, unless there is an actual gain in some way, in nutritive properties or food value."

This indicates clearly the attitude of Prof. Snyder and the

statements are in harmony with his findings, as published in a later bulletin. It is said, however, that he has since changed his mind and is now giving the millers assistance on the other side of the question.

ENDORSE PROF. LADD'S STAND ON BLEACHED FLOUR.

The American Society of Equity at their annual state meeting at Devils Lake passed a resolution heartily endorsing the stand taken by Prof. Ladd in prohibiting the sale of bleached flour unless properly labeled. This action clearly indicates that the Food Commissioners has the general public on his side. Prof. Ladd is at present gathering evidence and statistics to present before the courts where the matter must ultimately be settled. While in the east the Commissioner will spend the greater part of his time in consulting various authorities on the subject.

The experiment of Prof. Snyder, mentioned elsewhere in this issue, gives the results of his early investigations on bleached flour and are probably as unbiased as any experiment could be.

LADD IN WASHINGTON.

Prof. Ladd left last Thursday to be present at a most important conference of the State Food Commissioners and government officials, the purpose of which is to take the necessary steps to secure desirable legislation for the establishment of the proper standards of purity and strength for various food and drug products. There will also, in all probability, be made, an attempt to harmonize and unify the work of state and national laws. Prof. Ladd will endeavor to arrange for a continued co-operation between the state and federal authorities in North Dakota.

INJUNCTION SUSPENDED.

Prof. Ladd has been granted a writ of probation by the state supreme court which takes the suit of the Russell-Miller Milling Company, et al, out of the jurisdiction of Judge Pollock. The writ was obtained on the 21st and is returnable Dec. 10. This removes the injunction against the Food Commissioner and leaves him free to enforce the Pure Food law. It is the purpose of the Commissioner to test the constitutionality of the law before the supreme court as soon as possible.

The appeal was granted on the plea that no court has the right to prevent a criminal prosecution and that, as a private individual Prof. Ladd has a right to publish the result of his investigations.

Men wanting students to do work should phone the registrar's office.

COUPON.
This coupon is good for TWO VOTES in The Spectrum Popularity Contest. This coupon is void if turned in later than Friday, Dec. 6, 1907.

THANKSGIVING PROCLAMATION BY THE GOVERNOR.

In accordance with the beautiful and appropriate custom of setting aside a special day after the harvests are garnered each year as a day upon which we can make manifest our gratitude to God for manifold blessings, I, John Burke, Governor of the State of North Dakota, do hereby designate

Thursday, the 28th Day of November

as a day of general thanksgiving and about the state. The year, now nearly gone, has been one of peace and plenty in state and nation; peace at home and abroad, universal peace; plenty almost beyond the capacity of the country. Providence has smiled upon us with a bountiful harvest, and has withheld pestilence and disaster. Divine guidance is lifting the whole people up to a higher, healthier moral plane, making the world better and brighter and pointing to higher ideals in public life. On this coming Thanksgiving Day let us unite in praise and thanksgiving to God for all His kindness and mercies, and fervently beseech him to bless and preserve our people and our country.

Given under my hand and the Great Seal of the State, at the Capitol in Bismarck, this sixteenth day of November, A. D. nineteen hundred seven.

(Seal) John Burke.

By the Governor: Governor. Alfred Blaisdell, Secretary of State.

A GOOD CHANCE.

Dean Keene, of the Engineering Department, is in receipt of a letter from the firm of Grondahl & Bilyea, consulting mechanical and civil engineers of Portland, Ore. The letter asked the dean to recommend two or more good graduates in engineering from classes not later than '04, to act as technical representatives in this state, at a salary of \$125 per month. The letter specifically states that the firm wants young men who can "hustle."

Here is an exceedingly good opening for some of our graduates in engineering; also perhaps something for the undergraduates to look forward to at the end of their courses.

MR. NUGENT AT MONTANA STATE COLLEGE.

At the request of the Board of Trustees of the Montana State College at Bozeman, Mr. Nugent visited that institution last week. The object of the visit was for the purpose of organizing and perfecting an improved system of accounts and bookkeeping for the Montana institution. At present Mr. Nugent is preparing blanks and books to be used by them.

Mr. Nugent visited Butte and other intermediate points on the trip.

NEW CENTRIFUGE.

A fine Agas milk tester and centrifuge, furnished by the Vermont Farm Machine Company, and lately set up in the Bacteriological Laboratory, is acknowledged as an excellent piece of apparatus.

Prof. D.—(In feeding class)—Why are hogs not adapted to range conditions?

A. L.—Because they have not got a heavy enough coat of hair.

THE NORTHWESTERN FAT STOCK SHOW.

The finest annual show of the Northwestern Live Stock Association at South St. Paul was very successful. The show began Tuesday morning, the 19th of November, and lasted until Friday morning, the 22nd. The show was held at the Union Stock Yards at South St. Paul. Many of the best breeders of the Northwest were in attendance with fine exhibits of fat stock. The number of cattle on exhibition was not great, but the lack of numbers was made up in quality. The number of sheep and swine was very large compared with the cattle, and competition for the premiums was much sharper in these two classes.

The student judging contests passed off very successfully. About twenty-five students were entered and represented the states of Minnesota, South Dakota, Washington and North Dakota. The Washington students are on a tour of the country. They are visiting well-known breeders and stock farms in the Northwest, and will eventually land in Chicago to contest at the International Fat Stock Show. The expenses of this team are met by the Commercial Club of Spokane, Wash. The first place was won by a Minnesota student and the second by a South Dakota man. Our boys averaged up well and, in some cases, stood the highest on a certain class of stock. The writer can say from being present in the ring during the sheep judging contest, that the North Dakota boys went about their work in the most business-like and systematic way, also using the most proper methods of handling, than any of the other competitors. More interest must be taken in this work of stock-judging and our school represented at Chicago by a good team. We should not be behind the other colleges in this respect. It would be a fine thing for every agricultural student to attend one of these shows before completing his course. It increases his respect for the grand and noble profession that he has chosen and awakes much more enthusiasm in him. Let every agricultural student and the students in all other departments do their best to see that strong competition is aroused to form a team to judge at Chicago next fall. We must not be behind in any line. At Ames, Ia., it is considered more of an honor to make the student-judging team for Chicago than to make the football team. Just think for a minute what an honor for the North Dakota Agricultural College it would be to have a winning team next fall at Chicago. Our Agricultural Department needs better support. It needs better quarters and equipment and in order to have these necessary things more interest must be taken in these lines of work. The Agricultural Department is the department that should receive the strongest support and have the best equipment. That is the first aim of an agricultural college, and our Agricultural Department should not be allowed to drop below this standard.

Now, as to the success of the North Dakota exhibit at the Northwestern show. The exhibit was very successful and due credit should be given to Prof. Richards and the herdsman, John McDonald. The following lists of

winnings will be of interest to all all interested in the College:

Winings of Fat Cattle

First prize on yearling pure bred steer.
Second prize on 2-year-old pure bred steer.
Second prize on pure bred steer calf.
Second prize on grade 2-year-old steer.
First prize on pure bred herd of three steers, consisting of one 2-year-old, one yearling and one calf.

Winnings on Swine

(Weight 200-275 pounds.)
First prize on pure bred barrows, lard type.
Second prize on pure bred barrows, lard type.
Third prize on pure bred barrows, lard type.
Champion pure bred barrow, lard type.
Reserve champion.
Grand Champion fat barrow of the show.
First prize pen of three pure bred barrows, large type.
Champion pen of barrows, all weights.
Grand champion pen of barrows.

Winnings on Sheep

Second prize pure bred yearling wether.
First prize pure bred wether lamb.
Champion pure bred wether.
First prize grade yearling wether.
Second prize grade wether lamb.
Fourth prize grade wether lamb.
Champion grade wether lamb.
Grand champion wether of the show.
Reserve wether champion of the show.

Reserve champion pen of grades and cross-bred wethers.

First prize pen of three grade wether lambs.

From the above list you will see that the exhibit was very successful. This is especially the case in the winning of grand championships in swine and sheep where we had the greatest numbers to compete against. The exhibit and showing made was a splendid thing for the institution and speaks well for the work done in animal husbandry.

APPROPRIATION FOR N. D. LIVE STOCK ASSOCIATION.

The North Dakota Live Stock Association was granted an appropriation of \$500 annually by the legislature of 1907 with which to issue a Breeders' Directory. At present a directory is being prepared by Prof. Richards and Mr. Dynes, and it is the intention to publish one several times a year, if the funds of the association will permit it. Blanks are being sent out to all breeders of purebred stock in the state. These will be filled out in such a way that complete information can be had regarding all live stock available in the state, by consulting the directory. In order to increase the membership of the association each person who desires to become listed will be required to join. Every breeder in the state, no matter how small, is encouraged to become listed, as it will be a good advertisement for him, and will help him to increase his business.

The Engineering program for Dec. 7 will consist of a series of articles on aerial navigation, covering as fully as possible, the different machines and methods of the navigators.

The Farm Mechanics Phase of Agricultural Engineering.

R. M. Dolve, '05, Instructor.

Farm machinery is one of the most valuable assets of the farmer and one that is eminently responsible for his present prosperous condition. But, although most of our present day agricultural machines are triumphs of mechanical skill and ingenuity and seem well nigh perfect in the execution of their work, their use and efficiency may be increased by more intelligent management. The importance to the farmer of lengthening the life of his machines is brought forcibly to our attention by the following statement in a recent government report: "The American farmer buys annually \$100,000,000 worth of farm implements and machinery, and the total assessed value of this portion of his equipment is \$671,000,000." At this rate farmers will in ten years pay out \$1,000,000,000 for farm implements. The crop reports estimate that the aggregate value of the annual crop is \$4,900,000,000. These sums are so vast that they are almost beyond the pale of human comprehension, yet there is no reason to suppose that the figures have been exaggerated. In other words, these figures mean that 1/49 of the value of the crops is annually expended in purchasing new implements and that the total value of the implements used in handling the crop comprises nearly 1/6 of its value. At the present time the average life of farm machinery is much shorter than it need be and if, through more intelligent purchase and management its aggregate life could be increased by a single year the farmers would in a few years save the enormous sum of \$100,000,000.

This, it seems, should afford a good excuse for the agricultural colleges who have added courses of instruction in farm machinery to their curriculums. These courses have already done much toward making the farmer a more intelligent user of machinery. By teaching the student agriculturalist the rudiments of mechanics as applied to farm machines and by promoting first hand investigation on the part of the students, these courses have not only served to better acquaint them with the machines to which they were already accustomed, but have, in many cases served to introduce to them, modern machines, the value of which they were ignorant. These courses have already been the means of greatly improving several farm machines by the students (who are instructed to be on the look-out for defects) point-

ing out imperfections, and suggesting improvements which the manufacturers have adopted.

One of the greatest obstacles to be overcome in presenting a course of farm machinery to a class of students is that time allotted to its study is during the winter months when there is no chance to work in the real laboratory—the field. On account of the long period of time that machines are used on the farm and on account of the arrangement of the college year it would be practically impossible to make much use of actual field work. The feature of the work, dealing with machines, then, resolves itself into the study of the mechanism, designing, comparative efficiency of machines, proper care and handling, cost, etc.

There is a way, however, by which the lack of field work can to a large extent be made good, namely, by the experiment station staff, connected with every agricultural college, making such investigations as can be made only in the field. The data and knowledge thus gained can be effectually imparted to the students in the form of lectures and to the farmers generally in the form of station bulletins.

That such work should be carried on by the staff is necessary for other reasons than that of furnishing data for instruction in farm machinery: The farmers of our state have been encouraged to write the Agricultural Department of our College for information on any subject in which they were interested. Frequent inquiries are, therefore, received relative to farm machines and in order that these questions may be intelligently answered it is just as necessary for the department to carry on farm machinery investigations as it is for example, to carry on experiments with crop rotations and different strains of grain in order to determine their value. Although this important phase of station work has been hitherto neglected in our colleges, it is becoming recognized more and more and at the present time I believe that the amount of work done of this kind may be considered a fair index of the progressiveness of a station.

As an instance of what has already been accomplished by experiment station investigations, it may be cited that the rapid perfection, within the last decade, of corn machinery is due to a considerable extent to experiment stations. It was, for example, as a result, largely of their experi-

ments, that the modern edge selection seed plate was evolved in the corn planter. Considering these facts it will be seen that there is no longer any reason why this important work should be neglected for the machinery question must always remain, as it has been in the past, one of the most vital factors in the economic raising of cereal crops. These experiments, to be of value, should, among other things, determine the draft of machines under various conditions. Their average life should be determined and suggestions made as to how their draft could be reduced, and their life and utility increased. These experiments could also be made to bring home to the farmer, in dollars and cents, the actual value of shedding machinery. This can be done by subjecting two machines of the same make to exactly the same field condition, but while one is being housed when not in use, the other, in imitation of the farmer's most prevalent method, is left in the fence corner or field where last used.

Returning to the subject of farm machinery as a part of college work it is interesting to note that this college was one of the first, if not the first, to offer such a course. It is but fitting that it should when we recollect that out of the \$100,000,000 yearly expended by the farmers of the United States for implements, a very large and steadily increasing per cent is invested by the farmers of North Dakota. The problem with which we were confronted when inaugurating this course was how to reduce this new subject, upon which practically nothing of value was written, to pedagogic form and give it teaching power. This has, during the time it has been taught here, been attempted in various ways by lectures and exercises in the class room, laboratory work as far as our accommodations would permit, and by offering annual prize essay contests on different farm machines to stimulate first hand investigations on the part of the students. That the work has been in a measure successful is evidenced by the large yearly increase of students who register for the work, and last year the four classes which took the subject were so large that in order to give the work anything like ample class room and laboratory accommodations, the entire floor now occupied by the Agricultural Department would be required.

In the lecture phase of the subject some time is given to an historical review of the invention and subsequent development of the different machines while special stress is laid upon the mechanical construction, use, efficiency, care, adjustments, etc., of the present

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day machines, supplemented as far as practicable by the latest models of those machines.

The method of conducting the laboratory exercises can best be illustrated by reproducing an extract from the outline on "Binder Attachments" with which the class are working at the time of writing:

Outline for Studying Binder Attachments

1. Notice the packers on the different models, measure their nearness of travel to the deck roller and pay particular attention to the release mechanism of the Aeme binder.
2. Examine the different styles of pawls and ratchets used in the trip release mechanism of the different models.
3. Compare the different methods employed for driving the binding apparatus.
 - (a) Is there any mechanical advantage gained during compression by the "Champion" eccentric cam wheel?
 - (b) Is there a similar advantage gained by the lever in the "Plano" binder over the ordinary gear drive?
4. The needles of the different models have been set out of time. Readjust their travel in accor-

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M. N. LARSON,
Fargo, N. D., Oct. 10, 1905.

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dance with instructions received in the lecture room.
5. Note bundle sizer devices, set the binders for smallest possible.
(Continued on Page 3)

Big Spectrum Popularity Contest

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Look over your Callinglist and get the boys to help you win a prize.

- FIRST PRIZE—A Handsome \$25 Gold Watch, Elgin of Waltham movement, furnished by Fargo's best jeweler.
SECOND PRIZE—A \$10 Gold Bracelet.
THIRD PRIZE—Anything \$5 will buy at the best jeweler's in the city. Other prizes will be given away.

RULES GOVERNING THE SPECTRUM POPULARITY CONTEST.

1. This contest will open at 9:00 A. M. Nov. 26th, 1907, and close at 5:00 P. M. Feb. 14th, 1908.
2. Only those young ladies who are enrolled for a course of study at the North Dakota Agricultural College are eligible to compete in this contest.
3. Nominations will be made only by paid up subscribers of the Weekly Spectrum.
4. A nominee may withdraw her name at any time but her votes shall not be transferable to another contestant.
5. Nominations may be made at any time during the contest.
6. Members of the Spectrum Staff shall neither be allowed to compete in the contest nor aid in any way whatsoever any contestant.
7. The Business Manager shall be custodian of surplus coupon bearing Spectrums and these may be purchased from him at five cents each.
8. Subscriptions shall neither be solicited nor received at the Bookstore or Spectrum office after 9:00 A. M. Nov. 26th, 1907.
9. Each Spectrum will contain a two vote coupon which will be void if not presented within week of date of issue.
10. Under no circumstances will vote coupons be removed from Spectrums which are to go through the mail.
11. The contest shall be governed by a committee of three appointed by the Spectrum Staff.
12. Each contestant may have some friend whose duty shall be to make out the weekly reports for that contestant and act as custodian of as many votes as the contestant wishes to hold in reserve.
13. Report blanks will be furnished each contestant.
14. Contestant shall be required to turn in to the committee the list of new subscribers 3:00 P. M. each Friday. No name will be accepted as a new subscriber unless accompanied by the full subscription price.
15. After having a weekly report checked off and signed by a member of the committee the contestant shall receive a certificate of the number of votes to which the report is entitled.
16. The committee shall formulate any new rule which they shall deem advisable and shall enforce the same.
17. No commission will be paid collectors of Spectrum subscriptions.
18. Any one may assist contestant in securing subscriptions.
19. Up to Jan. 1st subscription price of the Spectrum shall be 85 cents. From Jan. 1st to close of contest the subscription price shall be 75 cents. Votes shall be allowed as follows:
A. C. subscriptions up to Jan 1st 85 votes.
A. C. subscriptions after Jan. 1st 75 votes.
Out of town or Fargo subscriptions up to Jan. 1st 175 votes.
Out of town or Fargo subscriptions after Jan. 1st 150 votes.
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SOCIETY

Seniors at Dinner.

On Thursday evening the Senior Class was entertained by the president, Chas. Clark, at his home. The guests gathered at 6:30 and were soon seated at a sumptuous repast, which was enjoyed to the full by the '08's. The guests departed saying that they had enjoyed another delightful occasion. Mrs. Clark was declared an admirable hostess.

Y. W. C. A.

The fortnightly meeting of the Mission Study Class was held Wednesday evening at the Dormitory. Several new names were added to the roll and the interest taken in the study increases rapidly. A report was given by Miss Bertha Paul on "Life and Discoveries of David Livingstone." Miss Eyclonson gave a short but interesting talk on "Stanley, the African Explorer." Several reports were assigned to be presented at the next meeting, Dec. 4.

On Wednesday evening, Nov. 27, a Thanksgiving praise service will be held in place of the regular devotional meeting at the Dormitory.

Invitation to College Girls.

The Social Committee of the Y. W. C. A. will be at home to the girls of the College from 2 to 4 Wednesday afternoon, November 27, at Francis Hall. All new girls are given a special invitation to be present.

Miss Miller Entertains.

Yesterday evening, Nov. 21, Miss Mae Miller entertained a few friends at her home on Roberts street. The early part of the evening was spent in music and fortune telling, which made the evening pass all too quickly. At eleven o'clock dainty refreshments were served. The guests all expressed themselves as having spent a pleasant evening and voted Miss Miller a most charming hostess.

Freshman Party.

Class Parties seem to have been of unusual frequency during the past week, the Freshman Class enjoying, unmolested, a fudge party at Francis Hall Saturday evening. The rooms were decorated in the class colors—yale blue and white—and also in the traditional yellow and green. Card games were played, but dancing was the chief amusement of the evening. At 11 o'clock fudge and pop-corn were served. The Freshmen report a splendid time.

Joint Meeting.

Sunday afternoon at 3:30 a joint meeting of the Y. W. and Y. M. C. A.'s was held in the College chapel. A beautiful song service preceded the address as follows:

Solo—Fear Ye, Oh Israel... Buck Miss Grasse.
Solo—Beautiful Home... King Ross Babcock.

Duet—The Lord Is My Shepherd... Passmore Misses Grasse and Grest

Prof. Minard gave the address of the afternoon which was both forceful and interesting. His subject was "The New Honesty." He made clear the point that honesty in money matters should be paralleled by honesty in facts, to ourselves, and to fellow men.

Pharmacy Club.

The Pharmacy Club held its regular fortnightly meeting last Friday evening. The meeting was a long one as it consisted of a program, important business, initiations, and lastly, a social session. The regular meeting was held in the Music Hall, but the meeting adjourned to Francis Hall for the social session. The meeting was one of the best of the year, and the members were all loath to leave when 12 o'clock came.

OLD FRIENDS MARRIED.

On Friday of last week was married at the home of the bride's parents near Buffalo, Miss Ida Schmidt to Mr. John T. Weaver, '06. The ceremony was performed by Rev. H. G. Leonard of Fargo. Only immediate friends and relatives were present. A sumptuous wedding dinner was served shortly after the ceremony was performed. Mr. and Mrs. Weaver will be at home to their friends at Sidney, Mont., after Dec. 15. We extend to them the heartiest congratulations of the occasion.

Agricultural Club.

The regular weekly meeting was held in chapel on Saturday evening. The program was opened by a talk by Mr. Lanxon on "Fitting Stock for the Show." Mr. Dynes gave a somewhat lengthy talk on "The Mission of the Agricultural Graduate." He showed some of the possibilities that are open to the student who graduates from an agricultural college in social and political lines as well as in business. The debate was on the question, Resolved, That every town in the state should have a farmers' elevator. It was affirmed

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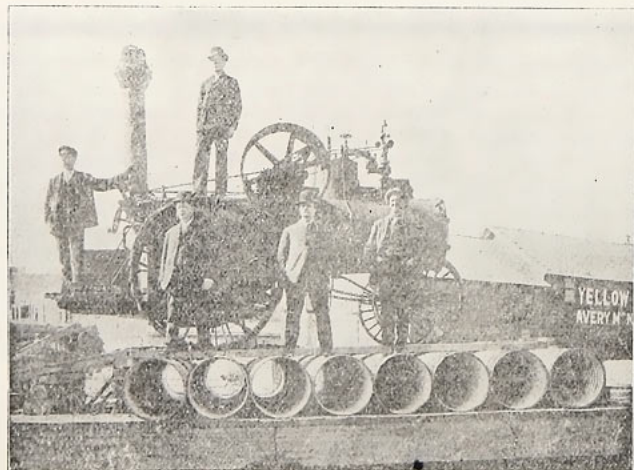
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by Messrs. L. Thomas and Faust, and denied by Messrs. Ray Babcock and Whitecomb. The decision of the judges was in favor of the negative. Mr. Olson gave a short talk on current events.

Mr. Hughes gave a short criticism in which he presented some valuable suggestions to the society on the different ways of improving its speakers.

The club decided to hold the next meeting one week from next Saturday on account of vacation.

The Homesteaders will pay you if you get a leg broken or for twenty-one other accidents. It also pays life insurance and matures its policy.

ANOTHER ALUMNUS BOOSTED

Word comes to us from Devils Lake to the effect that Mr. A. M. Mikkelsen, '05, has been appointed auditor and assistant manager of the Farmers' Grain and Shipping Co., vice P. S. Dunn, resigned.

Mr. Mikkelsen, or "Mike," as he was more familiarly known among his schoolmates, was one of the most energetic and representative members of his class. Football enthusiast, literary genius, and editor of The Spectrum, as he was during 1904-05. Everyone who knew him expected that when he finished his course in Mechanical Engineering he would go out in the world and make a name for himself. Mr. Mikkelsen is not disappointing his friends and schoolmates and they hope that "Mike" will go on adding to the reputation of his Alma Mater and winning laurels for himself.

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The Weekly Spectrum

Published every Tuesday of the school year by the students of the North Dakota Agricultural College, at Ulsaker Bros., 207 Broadway, Fargo, N. D.
W. P. Heath.....Publisher

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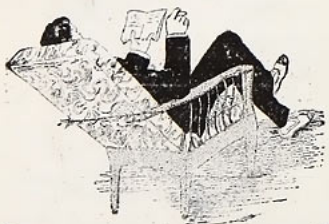
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S. V. Anderson.

OPEN HOUSE.

Now that a movement has been started for more general athletic training, of which a large number of our students may take advantage, it has been suggested that some arrangement be made so that the students may have access to the gymnasium during the evening. Very few of our students have time to devote to athletics during the school hours, and now that winter is coming on, it will soon be impossible to get any outdoor exercise.

Most of our students spend their time, out of school hours, working in hot, ill ventilated rooms, living the usual sedentary life of the student. Of course those who are subject to Military Drill necessarily receive some exercise in that way, but the exercise is not of the right kind to develop all of the muscles, and hardly strenuous enough in its character to satisfy the requirements of good physical training. What is needed for the winter is some form of physical culture, which, at the end of an hour, will make a person feel healthily tired, but not exhausted or faint from the breathing of vitiated air.

Perhaps our greatest drawback to a more unified social life at the A. C., is the fact that we have no dormitories situated on the Campus and thus we lose that subtle essence of college life known as "fellowship." We are of the opinion that if the Armory were open during the long winter evenings to all the students and for all athletic purposes, that it might be the means of drawing some of the fellows away from their books an hour or so each week and give



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them a chance to associate with each other to the benefit of all. If we are to have true loyalty, college spirit, and good fellowship at this institution, we must make some effort to center the College life on the College Campus.

Already something has been done in this line, for we hear that several different departments and societies are organizing basketball teams for the season and that the Junior Faculty is contemplating the same steps. But this system will reach, at the most, only a small percentage of our students who are interested. A basketball team is composed of but five men and two teams must needs have the whole floor to practice on. For this reason basketball cannot be considered as a true form of general athletics, in that it neglects the training of the many in the interest of the few. What we need is something in which every student who so desires may take part, and to just such an extent as suits him best.

Indoor track work is admirable for its diversification of training and the regular physical culture classes for short periods each week, are even better, but in order that each person shall get the most good from athletics no one form should be followed to the exclusion of others.

Keeping "open house" at the Armory would be one means to this end and instruction and direction in athletics by a qualified director would be another.

MIXED.

If we had anything to say in the matter, we would advise the Grand Forks Press to get a new foreman. If the Press were going to print a cook stove ad, such is its careless perversity, they would probably publish it in the form of a hymn book. Last week the Press did not have enough University Notes to fill the vacant space in their forms, so the foreman dumped in a lot of Agricultural College news to help out. We think that the students of the University will join us in recommending the removal of the present incumbent of the foreman's position on the Press.

That joint committee seems to itself again, but the shakes are accense them of rushing things.

The Athletic Association shook itself again but the shakes are getting weaker.

The A. C. has lots of things for which to give thanks. We are going to take an extra day for it.

A state paper says that we have no idea how good a football team we did have. He is off there—both ways.

Some people seem to think that a fire escape at the Dormitory might work both ways.

The millers never had a class under Prof. Ladd or they would not try to bluff. We know.

A BIG UNDERTAKING.

There has been considerable misunderstanding recently in regard to the work undertaken by the Joint Committee on Athletics. Many people suppose that this committee was appointed to discuss and accept or reject the proposed amendments to the Association constitution. This, however, is only part of their duties. At the initial meeting it was decided that they would investigate all previous rulings of faculty and determine their efficiency. Subcommittees were appointed to do this and other investigation as well. The committee is endeavor-

Another With International. The Dakota Business College has just placed another stenographer, Miss Blanche Neyman, with the International Harvester Co. About 328 D. B. C. pupils have gone from the school to positions during the present year—the best endorsement a school can have.

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Graduates from approved High Schools are admitted to Freshman Class. Tuition free. Board and Room \$3.75 to \$4.50 per week.

WRITE TO THE PRESIDENT FOR CIRCULARS AND CATALOGUE
COURSE IN GAS ENGINES BEGINS NOVEMBER 4

ing to get at the bottom of the matter and intend to discuss many phases of the questions at issue.

The committee will try to find the best way to raise the scholarship standard in regard to contestants. It will endeavor to determine just what the powers and duties of the Board of Control are. The third thing to be undertaken is to determine exactly whose duty it is to enforce the various rules and regulations made by the students in the Association, and the faculty.

All of the above questions must be carefully considered and when once satisfactorily settled they will not come up again. The committee are doing all in their power to improve a system of rules and eligibility requirements which will stand for a long time and which will have the effect of giving us pure athletics. These are important matters and should be given much consideration. No

doubt is entertained but that the recommendations of the committee will give us sufficient rules for the best interests of the student body.

The two-term attendance resolution and other eligibility requirements will be discussed at the next meeting of the committee on Wednesday.

WILL MEET APPLICANTS.

During his stay in the east Prof. Ladd will visit John Hopkins University to meet men who are applicants for the position made vacant by the resignation of Dr. Holley.

CHEER UP—FOUR DAYS REST

School will close at noon on Wednesday for the Thanksgiving recess and classes will not be called again until Monday morning. Many of our students are making arrangements to spend the days at their respective homes enjoying the festive season. Oth-

ers will remain at the College and endeavor, by superhuman efforts, to catch up with their back work. Which ever course they pursue, the students will, one and all, be thankful for the brief respite in the midst of the strenuous season of the approaching finals.

CONVOCATION EXERCISES.

At the regular weekly convocation last Monday, Prof. Arvold was introduced as the speaker of the morning, and announced his subject as "Bits of Wit." His very first remark brought down the house and before he had finished he had the whole assembly in the best of humor.

"Wit," says Prof. Arvold, "is literature. People who are educated today along severely practical lines are too apt to forget what the words 'laugh,' 'wit' and 'humor' mean."

He went on to show the relation of wit and humor to the various phases of human nature and

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SPORTING

From the facts that have come to light recently it is evident that basketball will be a prominent feature at the A. C. this winter. Already Manager Parrott has received letters from several teams of the state asking for games. At present Mr. Dobie is away and just what we shall have in the way of a regular College team is rather indefinite.

A very important feature of our winter sports will, no doubt, consist of inter-department basketball. Not only have the students taken an active part in this form of athletics but the faculty, both junior and senior, are indulging in the game.

Among the departments that are considering the matter of taking part in the games, are the Agricultural Club, the Engineers, the Pharmacists, and the A. C. Specials.

A word in regard to the Specials may be of interest. The A. C. Specials organized last year and succeeded in defeating all teams in town except the Y. M. C. A. and the A. C. first team. After the successful season of last year they desired to organize this year and to consider challenges with other teams. With this end in view Nemzek was chosen manager and coach. Of last year's players who will be in the game this year are Baernstein, Frank Darrow, Lough, and probably "Bob" Merrill. The new men who will be tried on the team are Sneider, More, Neal and probably Ueland. Manager Nemzek has already arranged for a practice game with the Normal to be played Thanksgiving. Other games are being arranged for and a successful season is assured. The team will be composed of qualified students of good standing. New men may try for the team by applying to Manager Nemzek and giving good references.

The Faculty basketball outlook is very promising, owing to the fact that teams from each department will be organized. Not long ago the tender sympathies of the Faculty were aroused in behalf of the dear ones at home. In order to provide amusement for their wives, children or sweethearts the Faculty decided to have gymnasium contests, which, of course, is the only real way of showing physical superiority to those who are most interested. The line-up will probably be as follows: Mr. Parrott will play first base for the team from the main building; Prof. Bolley will do the punting for the Science fellows; Prof. Keene will perhaps have the honor to be goal tender for the Engineers and will see that the eccentric is

always properly set; Prof. McDowell will be chief "caddy" for the "Aggies," while Prof. Ladd will do the serving for the Chemists and see that everything is on a "pure" basis; Dr. Putnam and the band will, no doubt, attend all contests and Dr. Batt is to be principal rooter and will see that the feet of the players do not become tangled. Pres. Worst will be referee and will settle any dispute that may arise.

TEDDY BEAR.

After reading the above, says the real Teddy Bear to himself, says he, "I hope this petition will be printed. It's the only way anybody would ever know just who the Skidoos are. Nice thing to have them all crawl into the cage. Suppose 'Two Smiles' wrote that bragging bluff. Simply because he has bear grease in his hair he thinks he is a Teddy Bear. O, yes, he's prone to get vicious. Of course he is. If he had some of 'Big Bear's' sandiness he might 'prone.' They must have used a bicycle pump in blowing up his head. It couldn't have gotten so large without it. Such a crowd."

"Get exasperated?" "Get vicious?" No real Teddy Bear ever gets that way. I am ashamed of them all. I don't believe there is a real Teddy Bear in the whole mob. Nothing but a lot of Teddy Monkeys who are trying to get advertising free. I am different. I don't go and stick my saout into other peoples' business. I will disown every one of them.

"Sort of sorry to. There are a couple of nice little monkeys among them that I hoped might grow up to look like me. But I guess somebody bought the whole bunch at the 10-Cent Store and dumped them on the campus as a joke on the rest of us. So I will pay no more attention to them but go my own way.

"It's getting winter. I must get my seams sewed up. The sawdust is falling out of my right side and the back of my head. I must get a blanket, too. Wonder if I couldn't get a place at the Dormitory? Those girls look so nice. Most girls like Teddy Bears. I am going to ask them. If it wasn't so full of boys all the time I might get a place."

"I wonder why some of those boys get so awful witty just as soon as the girls are around? It's so strange. I don't understand it. When there are no girls, they are just like the rest. As soon as a girl or two comes around they get funny. You might think they were real humorists or clowns by profession. They seem so giggly and happy, too. Wish I could be funny. Next time I see a crowd of girls I am going over to them just to see if it will make me witty and funny.

"The students are talking about nothing but parties, things to eat, and flunks. It makes me dizzy and tired. If I cannot find some sensible company and someone to sew up my seams, I am going into winter quarters for keeps.

A THREAT(?)

Whereas, It has come to our notice that the Teddy Bear articles have increased in volume and also in nonsense, and that the editors have likewise given this bit of nonsensical trash such a conspicuous place in the renowned Spectrum, we deem it advisable, after a solemn and secret consultation to again direct the attention of the Editor to the aforesaid bit of (—?)

The undersigned Teddy Bears are peaceful but are prone to vicious actions when exasperated, and in no way can this be better brought about than by the appearance of the Teddy Bear articles. Signed:
 1. M. A. Teddy Bear.
 2. Red Headed T. B.

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Every Farmer needs one to protect his Valuables.
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|---------------------------|------------------------------------|
| 3. Big Sandy T. B. | 19. Knocking T. B. |
| 4. Serappy T. B. No. 1. | 20. Senior T. B. |
| 5. Serappy T. B. No. 2. | 21. Kitty T. B. |
| 6. Serappy T. B. No. 3. | 22. Freshman T. B. |
| 7. Religious T. B. No. 1. | 23. Skidoo T. B. |
| 8. Religious T. B. No. 2. | |
| 9. Wise T. B. | ORCHESTRA CALL. |
| 10. Gay T. B. | Dr. Putnam would like to meet |
| 11. Worst T. B. | all students who play stringed in- |
| 12. Short T. B. | struments Tuesday afternoon at |
| 13. Ruby T. B. | 4:30 at the Music Hall. |
| 14. Matilda T. B. | |
| 15. Doc T. B. | Dr. Batt, to first year German |
| 16. White T. B. | class: "Some of you believe in |
| 17. Pewee T. B. | division of labor when some one |
| 18. Cross T. B. | else performs the labor." |

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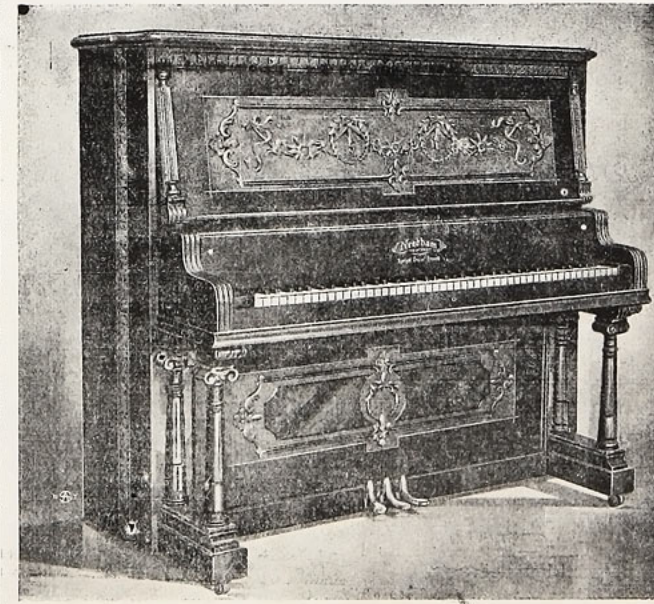
illustrated his remarks with many selections from Oliver Wendell Holmes, James Whitcomb Riley, Eugene Fields and other noted writers. His last illustration entitled "A Fourth of July Oration" was an apt take-off on the usual address of this nature and was highly appreciated by his audience.

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NOTICE.
 The Dramatic Club will meet next Thursday afternoon at 4:30.

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15 per cent to A. C. Students



The Frank Lynch Co., Fargo, are selling the famous Needham Pianos, strictly high grade in every particular. Write us for prices and catalogue. It will pay you.

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No stenciled pianos—no cheap trash. Every prize is of sterling quality. Did you ever hear of seven Grand Pianos being GIVEN FREE in any contest? We think its "going some," but wait a minute, there are seven more splendid Pianos.

Read the following table of prizes and when you get that far you will begin to grasp the TREMENDOUS magnitude of this project:

GRAND LIST OF ONE THOUSAND SPLENDID PRIZES			
One Chickering & Sons Grand Piano.....	Valued at \$1,000	One Sterling Upright Piano.....	Valued at \$ 500
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One Sohmer Grand Piano.....	1,000	One Laffargue Upright Piano.....	500
One Behr Bros. Grand Piano.....	1,000	One Hobart M. Cable Upright Piano.....	500
One Ernest Gabler & Bros. Grand Piano.....	1,000	Ten Scholarships in famous Dakota Business College.....	1,000
One McPhail Grand Piano.....	1,000	One Farrand Organ.....	150
One Bush & Gerts Grand Piano.....	1,000	One Farrand Organ.....	150
One Farrand Cecilian Piano, Self-Playing.....	900	One Underwood Typewriter.....	105
One Hobart M. Cable Upright Piano.....	500	Three Hundred and Fifty Violin Outfits at \$40.....	14,000
One Stone Piano Co., Upright Piano.....	500	Three Hundred Mandolin Outfits at \$30.....	9,000
		Two Hundred and Fifty Guitar Outfits at \$30.....	7,500
		Five Scholarships in Fargo Conservatory of Music at \$75.....	375
		One Rookwood Regina-phone.....	250
		One Mahogany Regina-phone.....	150
		Sixty-seven individual prizes of \$25.00 worth of Musical Merchandise to be selected by winners at our store, total value.....	1,675

DOESN'T THAT LIST GIVE YOU THAT LIKE-TO-WIN-ONE FEELING?

Our plan of awarding prizes is very simple. For every dollar that is paid us before Dec. 31st, either on old or new business, or in cash sales at our store, or by mail, we will issue votes according to the following table. These votes you can give to any one you please. Now stop and think how easy it will be to brighten the life of some friend or relative or to assist some needy, struggling church or school to win one of these seven Grand Pianos.

On amounts of \$ 1.00 to \$ 10.00.....	100 votes per Dollar	On amounts of \$ 51.00 to \$100.00.....	400 votes per Dollar	On amounts of \$301.00 to \$400.00.....	700 votes per Dollar
On amounts of 11.00 to 25.00.....	200 votes per Dollar	On amounts of 101.00 to 200.00.....	500 votes per Dollar	On amounts of 401.00 to 500.00.....	800 votes per Dollar
On amounts of 26.00 to 50.00.....	300 votes per Dollar	On amounts of 201.00 to 300.00.....	600 votes per Dollar		

Now we know that there are going to be a lot of "Doubting Thomases," and a lot of people who will claim to be "from Missouri," and will say: "How can Stone do this? How can he afford to give away over \$45,000.00?"

Years ago when we started in business, we determined on a policy of treating every man exactly alike, whether it be a poor man that purchased his piano on time or the millionaire who paid all cash; we make the same price to both, the only difference being the interest. This policy we shall always continue. Now we know that the people are wonderfully prosperous—more so than they have ever been and we have concluded that at this particular time many purchasers, if offered an incentive would pay cash who would otherwise buy their pianos or organs on time payment plan, and as we do not believe in half-way methods we are making the people a proposition which we believe will make them "sit up and listen"—That's Reason No. 1.

We are and always have been firm believers in advertising and we know that the very magnitude of this proposition, with the advertising we propose giving it, will make the name of STONE'S MUSIC HOUSE known in the remotest corner of four great states and a name that will not be forgotten for years to come. That's Reason No. 2.

Finally we know that this contest will increase our cash enormously and will win many new patrons who will become permanent customers. There is absolutely no catch or hidden meaning about this contest. It is as clean and straight as we can make it. We have put our intelligence, our money and the energy of a lifetime in building up a reputation of integrity and square business dealings—and we will stake that reputation on the honesty of this contest.

THE ONES WHO GET IN AT THE BEGINNING OF THIS CONTEST will naturally stand the best chance of winning one of the big prizes. Give some friend a good start by sending in your remittances promptly. Simply give the name and address of the party to whom you want the votes credited and we will notify them so that they may try to get others.

NO PERSON IN THE EMPLOY OF THIS COMPANY WILL BE ALLOWED TO EITHER SOLICIT OR PURCHASE VOTES, NOR TO COMPETE IN ANY MANNER FOR ANY PRIZE.

Address All Communications to Contest Manager

Stone's Music House, Fargo, North Dakota

IN EVENT OF A TIE VOTE, A PRIZE IDENTICAL IN CHARACTER AND VALUE WILL BE AWARDED TO EACH OF SUCH PERSONS

The Farm Mechanics Phase of Agricultural Engineering.

(Continued from Page 2)

ble bundles, next for largest. Look out for a dead compress in changing from small to large and adjust to proper compression in each case.

6. Study the different binder heads. Their mechanisms have been brought out of time, each model requiring different adjustments. Make these adjustments in accordance with the lecture room instructions.

7. Locate the time marks on the different models.

8. Compare the facility for oiling corresponding parts in the different machines.

In addition to a laboratory guide on this plan the students are furnished mimeograph pamphlets on which are enumerated the correct names of the differ-

ent parts of the machines studied. These the students must locate and familiarize themselves with.

Another laboratory exercise of considerable value and interest to the students is that of learning the different knots, splices, and hitches shown in the accompanying illustration. Each student is furnished the required ropes and is given opportunity to repeat each process a sufficient number of times to become thoroughly conversant with it. Beginning at the top and reading from right to left as indicated by the white rectangles in the figure, the knots are: Long splice, figure eight knot, simple overhand knot, single bow knot, Granny's knot, clove hitch, butcher's hitch, short splice, wall knot with crown, square or reef knot, wall knot, weaver's knot, cat's paw hitch, bowline on a bight, bowline knot, timber hitch, Blackwall hitch, sheep shank.

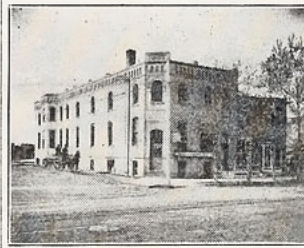
The attempt so far has been to

formulate this course so that it will most nearly meet the demands of those of our students who are planning to make farming their life work. There is a great possibility in store for this work, for the present manufacturing and commercial status with respect to agricultural implements is such as to tend to differentiate the work of designing, constructing and selling farm machinery more and more from the other mechanical professions. It is creating a new profession, the legitimate field of the agricultural engineer. To meet such a demand on the part of manufacturers for graduates especially trained as designers and builders of farm machines, the courses offered at the different colleges are inadequate. It is safe to predict, however, that were such courses established an increasing demand would be immediately created for their graduates. It is also a logical conclusion to draw that agricultural students who have the dual training of the field and work shop would soon excel and supersede those now holding the more important positions with the implement companies, who have had only the one sided training of the companies' work shops or sales departments.

D. L. W. GROWS POETIC.

Sun Spots Still Rule—Spectrum Bureau Will Cast Horoscopes.

In his last bulletin Doctor Long Whiskers diverged from the straight and narrow path of the weather prophet and with Miltonic, poetic language, he described the war which "fleet footed Mercury" and others of the planets with their vast electric guns were waging on "this house of ours, the football of the solar system." He described in a startling manner the intense cold weather which we must "grin and bear"—but in reality were not exposed to. In comparison to these slipshod predictions, consider the perfect exactness with which we calculat-



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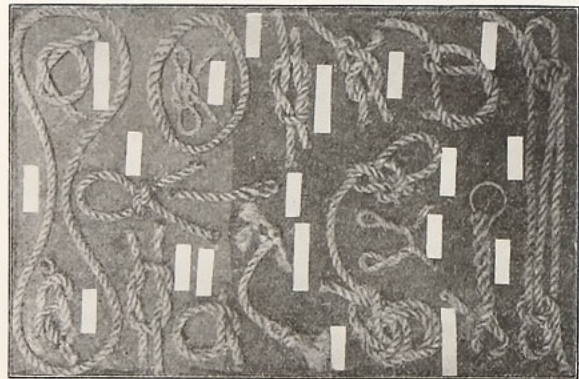
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all his surplus funds to gain that end.

For the coming week there will be a fall of temperatures unless there is another eruption which will give fine cheerful weather for Thanksgiving.

In addition to our other accomplishments we are the only "simon pure" astrologers the country possesses. We are now in a position to cast the horoscope of any person who may wish to consult the stars for coming events in their lives. Any person wishing to have their horoscope cast may do so by submitting their inquiries together with one dollar and the exact date of their birth, to T. Y. Phoon and C. Y. Clone.

T. Y. Phoon.

AT THE GRAND.

Week of Nov. 25 is one of the strongest and most up-to-date bills that has appeared at the Grand. Special engagement of the famous Heim Children. Kretori, the Mad Musician, will give a hand, along with the Crowls Family, one of the strongest turns in vaudeville. Zenell and Bouletto, whose equal is yet to be heard of, along with Prof. Rudd and the moving pictures, all go to be stars at the Grand.

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CENTRAL HEATING PLANT AT THE N. D. A. C.

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PERSONAL

Mr. Burgess of Velva visited Miss Welo at the College last Thursday.

Miss Florence Cloutier, University of Minnesota, is a guest of Miss Mae Miller.

Mr. Robert Dolve, '05, attended the wedding at Buffalo last Friday.

Miss Bertha Paul was one of the guests at the Schmidt-Weaver wedding at Buffalo last Friday.

Mr. C. I. Gunness, '07, went to Buffalo Friday to attend the wedding of Mr. J. T. Weaver, '07, and Miss Ida Schmidt.

Mr. J. T. Weaver, '07, was a visitor at the College last Thursday. Miss Gladys Pease has been suffering a slight illness during the past week.

Roy Corbett, an old student, was a visitor at the College last week.

Mr. Clarence Piath was slightly ill during the first of the week, but is around again as usual.

Mr. Frank Hilborn, an old student, is confined in the Valley City hospital with a bad case of typhoid.

Mr. O. W. Dynes, '07, was among those present at Mr. Weaver's wedding at Buffalo last Friday.

Mr. Robert Magill left Saturday for his home at Verona. He will remain over Thanksgiving.

Mr. Randlett judged the corn exhibits of the Cavalier County pupils at Langdon last Saturday. While there he addressed the Cavalier County Teachers' Association.

Supt. Hoverstad went to Hillsboro Saturday morning, where he judged the corn at the Trail County rural school pupils' contest.

Mr. E. E. Chilcott, assistant in plant breeding and field crop work at the Edgeley sub-station, has returned to work after a couple of weeks' confinement in one of the local hospitals.

Lloyd Worst, '10, went to Sanborn last week.

Miss Glasier, instructor in stenography, has been ill for the past week, being afflicted with erysipelas.

Miss Edna Baernstein has resumed her work as assistant in the Commercial Department. She has charge of the typewriting and the bank work.

Mr. Kanten of Benson, Minn., visited his son, Gilbert, at the College last Thursday and Friday.

S. V. Anderson and Wood Anderson received a pleasant visit from their father during the past week.

Mr. Bruce Clyde, a former student, was a visitor at the College last week. He was a student here in 1901 and now sees great changes for the better about the institution.

Mr. Churchill was in Minneapolis during the past week conferring with the State Horticultural Society of Minnesota. He is secretary of the society in North Dakota.

VISIT THE

GRAND Theatre

High Class Vaudeville All This Week, Commencing Monday, Nov. 11. Matinee 2:30 P. M.

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PROF. RUDD'S UNION ORCHESTRA
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KRETORE
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ZINELL AND BOUTELLE
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Famous Comedy Operatic Act
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Return Engagement
MARVELOUS COWLES FAMILY
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Three Performances daily: 2:30, 7:30 and 9 P. M.
Prices, 10c, 20c, and 30c

Jack Marks, one of last year's football stars, played a star game for Dartmouth against Harvard a week ago last Saturday.

Mr. Firman Thompson, who is to take charge of the soil chemistry work, will arrive Dec. 1.

Ralph Hilborn has returned to the College to resume his studies in the Farm Husbandry Course.

Dean Shepperd returned Wednesday from St. Paul where he took charge of the students' stock judging contests at the live stock show.

Mrs. Fred Hill, of Medina, who has been visiting her mother and friends in the city, returned to her home last week.

Miss Childs went to Hillsboro Saturday to judge the cooking and sewing exhibits of the Home Arts Club at the County Institute, which was held at that place, and his during the past week conferred on "The Value of Domestic Science in a Girl's Education." From Hillsboro Miss Childs went to Grand Forks to spend Sunday with her friend, Miss Muckle, of the University.

Louis Larsen, a graduate of the 2-year Engineering Course, is located at McCumber, N. D., where he has just proved up on a claim and is buying grain and selling coal for the Amenia Elevator Co.

Miss Florence Cloutier of the University of Minnesota, was a visitor at the College Monday.

J. A. McGlynn, a former student, was married recently to Miss Louise De Beau at Williston. They will reside at Sidney, Mont.

Prof. Beckwith will address the Tri-State Grain Growers' convention in January.

R. E. Anderson, Sherbrooke, N. D., visited his brother, S. V. Anderson last week.

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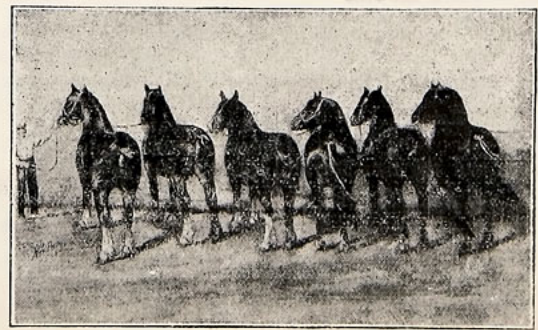
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SOCIETY

Scientific Society to Promote Original Investigation.

A definite plan is on foot to organize a scientific society among the Junior Faculty, post graduates, and Senior students, who are interested in scientific work. A number of the Junior Faculty, of which Dr. Brown is the ring leader, are the promoters of the plan. To get the idea in operation, Dr. Brown called a meeting of those interested at the Chemical Building last Wednesday afternoon. It was generally agreed that a society of this kind would be a great aid in broadening the views and familiarizing the members with other lines of work than their own. Meetings could be held monthly or fortnightly at which papers prepared by members, on the particular line of work in which they are engaged, could be read and discussed. It would also be possible to engage technical men from outside the College to occasionally deliver a paper of scientific interest. This plan has met with great success in other institutions and there is no reason why it should not meet with the same results here.

Dr. Brown was elected temporary chairman and a committee was appointed to draft a constitution and by-laws. The committee consists of Professors Seaver, Holley, Churchill, and Guinness to represent the different science departments, and Mr. Kulaas to represent the student body. A meeting will be held in the near future when more definite plans will be formulated.

"THE COLLEGE GIRLS."

In the Athenian Society room last Friday evening the famous "Big Four" composed of Misses Hicks, Grest, Thompson and Barrett, presented the original farce entitled "The College Girls." The play was unique in that it was a distinct take-off on the Athenian Society and its members, and the quips and hits were hugely enjoyed by the large audience. The play was in one act composed of four well balanced parts interspersed with music and rollicking college songs. Each of the young ladies was a star in her own part.

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Money Cheerfully Refunded

tiular part, and under the efficient direction of Prof. Arvold the little farce was a huge success.

ART EXHIBIT.

The Woman's Club of Fargo has secured one of the Loan Art Collections sent out by the National Federation, to be on exhibit this week at the Public Library. The collection consists of forty-five original paintings from the best American artists and eleven etchings. An admission of ten cents will be charged.

JOINT COMMITTEE MEETS.

On Wednesday of last week the joint committee of the Faculty and members of the Athletic Association met to consider the proposed amendments to the constitution of the latter organization. The entire committee consists of Profs. Keene, McArdle, Minard, Waldron, and Dr. Bell of the Faculty, and Messrs. Nemzek, L. Thomas, Darling, Whiteomb and Darrov of the students. Sub-committees were appointed by Prof. Keene to report at 10 o'clock on Saturday, on various rules and regulations under discussion. The meeting was characterized by a general good feeling between students and Faculty.

At the meeting on Saturday the powers and duties of the Board of Control were the matters chiefly discussed. The chief object of the committee is to discuss the proposed amendments to the constitution of the Athletic Association. Those amendments advocate more general athletics and also call for a two-term scholarship requirement for all students representing the institution in any contest. These matters, being the questions at issue, will be carefully considered by the committee at the next meeting. Some changes in the duties of the Board of Control were proposed. The proposed changes and rules are as follows:

It shall be the duty of the board of directors:

1. To enforce all rules pertaining to athletics adopted by the Athletic Association regarding eligibility, etc.
2. To adjust all differences between members or officers of the association.
3. To revise and approve all schedules presented by the general manager.
4. To exercise control of all financial matters, including leases, admission to games, and receipts therefrom, and from other sources, and approve and audit all bills and accounts.

5. To hold a stated meeting the first Monday of each month, or whenever called together by two members of the board.

6. Four members shall constitute a quorum.

The committee adjourned to meet again on Wednesday, Nov. 27. It is to be hoped that the committee will discuss the proposed amendments of the constitution and either recommend the adoption or rejection of the same or propose others as good that will prohibit all professionalism from our teams.

POULTRY BULLETIN.

Bulletin No. 78 of the North Dakota Agricultural Experiment Station, is a report on extensive experiences in poultry raising carried on by Mr. O. W. Dynes, '06. The bulletin comes out under the direction of Dean Shepperd as head of the department. Poultry raising is of vital interest to many of the residents of North Dakota, and since the industry is so widely distributed and of such value, the publication is put out for the benefit of those interested. Many phases of the industry are discussed as well as the results of the

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experiments carried on. The classification and qualities of the various breeds are quite extensively given. The care of hens and various methods of hatching, including the use of the incubator, are fully discussed. The selection, care, and feeding are important, as explained in the bulletin. Methods for preventing the appearance of lice and mites as well as for destroying the same, are given from experiments actually performed.

Various tables are given showing comparison of methods of hatching, egg yield, and effect of breeding related and unrelated stocks. These tables are simple and are easily understood which makes them of extreme value. Extensive drawings are given showing the designs and ventilation of the buildings. Photo-engravings of the various breeds of hens add much to the value of the publication.

Every farmer and poultry raiser in North Dakota should read with care this bulletin. It will be sent free of charge to any applicant who is really interested in the industry. Apply to North Dakota Experiment Station for Bulletin No. 78, Poultry Experiments.

MOST POPULAR GIRL

Will Receive Valuable Prize in the The Spectrum's Popularity Contest.

The management of The Spectrum has decided to offer \$50 in prizes to the most popular young ladies in the College, and by so doing increase the circulation. The matter is to be decided by a voting contest to commence today and conclude Feb. 14, 1908. Votes will be allowed on all subscriptions paid in advance, during that time, and coupons, good for five votes each, will appear in each issue of the paper.

The management of the whole contest will be put in the hands of a committee composed of Levi M. Thomas, chairman; S. V. Anderson and Miss Agnes Halland. This committee will have charge of the counting of votes, the issuing of certificates, and the making and enforcing of rules and regulations to govern the contest. The number of votes credited to each contestant will be published each week in The Weekly Spectrum.

This contest is a novel departure from the prescribed methods of managing a college newspaper and the results will be watched with a great deal of interest, not only by the students, but by their friends at home, as well. There is considerable distinction in being chosen as the most popular girl in a school as large as ours where the fair co-ed. flourishes.

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NOTICE.

The regular meeting of the Debate Club was postponed to Wednesday evening.

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