

A E Minard

# The Weekly Spectrum.

VOL. XI. NUMBER 11.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, DECEMBER 10, 1907.

PRICE 5 CENTS

## President's Message

THE BIG STICK STILL FLOURISHES IN WASHINGTON.

### BIG BOOST FOR PURE FOOD.

Space will not permit of the entire message of the President of the United States to Congress. Certain recommendations and certain proposed legislation should be held in mind as advocated in the message.

Interstate commerce must be regulated and it cannot be effectually and justly done by the individual states. "Only the national government can in a thorough going fashion, exercise the needed control. This does not mean that there should be any extension of federal authority," for the authority already exists. "This is not advocating centralization. It is merely looking facts in the face and realizing that centralization in business has already come and cannot be evaded or undone. . . . The public can only protect itself by providing better methods for controlling the centralized interests.

The licensing of railroads to do interstate business under certain conditions is advocated. The interstate commerce commission should be given power to determine the valuation of any road. The federal commission should work in harmony with the state commissions.

Additional legislation should be enacted to control great business concerns doing interstate business. "Corporations and labor unions have come to stay. Each, if properly managed, is a source of good and not evil."

The anti-trust laws, instead of being repealed, should be more efficient and more in harmony with present conditions. Publicity of the workings of various concerns is advocated. "A combination should not be tolerated if it abuse the power acquired by combination, to the public detriment."

Laws in regard to pure food and also in regard to meat packing are cited as illustrations showing the benefit to be derived to the public through government supervision.

### Pure Food Law.

"Incidentally in the passage of the pure food law, the action of the various state food and dairy commissioners showed in striking fashion how much good for the whole people results from the hearty cooperation of federal and state officials in securing a given reform. It is primarily to the action of these state commissioners that we owe the enactment of this law, for they aroused the people, first to the enactment and enforcement of state laws on the subject, and then the enactment of the federal law, without which the state laws were largely ineffective. There must be the closest cooperation between the national and state governments in administering these laws."

Elastic currency is necessary and a system should be brought forth securing this quality.

No revision of the tariff is advocated for the present. The wise time for the consideration of this problem is immediately after an election.

The President advocates an inheritance tax and also an income tax. The German law in reference

to the inheritance tax is given as an illustration.

The frequent use of the injunction is noted by the executive. He desires that, if possible, congress shall revise and improve this excellent process of law. While there is some ground for criticism in its exercise, much of the complaint now made is unjust.

The child labor question is one that the states should take up and the United States should make model laws concerning the District of Columbia and the territories.

Necessary campaign expenses should be provided for by appropriation of congress for the great national parties.

The President recommends the enlargement of the navy and the increase of our fortifications.

Postal Savings Banks are urged as they would be of great good to both capital and labor. The parcels post is urged also especially in the rural districts. It would be desirable to place the fourth class postmasters in the classified service.

Other recommendations appear such as the repeal of the tariff on forest products, making of laws preventing land grabbing, extension of forest reserves, and citizenship to the people of Porto Rico.

### OUR FRIENDS THE TREES.

At the Grand, last Sunday evening, Mr. Enos A. Mills, of the U. S. Forestry Service, spoke on the subject "Our Friends the Trees". Mr. Mills is a pioneer in forestry investigation and the scientific study of tree habits, and his lecture was not only interesting and entertaining, but also of a sound economical nature.

For a text Mr. Mills took the sentence, "The tree is the most useful plant grown" and continuing he said, "For ages the trees and forests have been the best friends of the human race. No nation has ever fallen on account of having too many trees but some like Assyria have degenerated with the loss of their forests. The Japanese forests have much to do with the progressiveness of that nation and in Germany the people have been growing for many years every stick of timber they have used." As a striking example of this he cited the fact that "This morning's edition of one of the New York papers required the wood from forty acres of virgin forest."

"The time has come," continued Mr. Mills, "when we need more trees and I believe that if you would plant one quarter of your farms in trees, you would, on the other three quarters, raise more wheat than you now do on the whole. Every agricultural country should be at least 20 per cent forest and some go as high as 40 per cent. Planting trees is like fertilizing the soil. Also many birds will make their homes in the trees and most birds feed upon obnoxious insects and weed seeds. It has been estimated that birds annually save the farmers of the country more than two hundred millions of dollars. A certain eminent French authority has said that if we are to have deep water-

ways in the United States we must have many more trees. We should think of the forests as a great leaky reservoir which captures the water on a rainy day and holds it through the dry season."

"Each year the flood damage along the Mississippi increases directly as the forests diminish near its sources. Last year the total flood damages in the United States were over \$30,000,000 and almost every dollar could have been saved by the timely preservation of the forests. I believe that timber-famines have literally killed more people than food famines ever have.

"Our forest question is a big one and President Roosevelt, and many other prominent men, name it as one of the most important questions of the day. One third of all our wealth has come to us, either directly or indirectly, from our forests and every child should be taught the importance of this fact."

"You cannot produce good citizens without forests and if you want your children to have a prosperous country to live in, you must plant more trees."

### POTATO AND CORN CONTEST.

At Valley City last week was held the potato and corn growing contest for the rural pupils. This was the only potato growing contest held in the state and much interest was shown in the work. William Lanxon of the A. C. judged the potatoes, awarding the first four prizes to girls. Mr. Randlett judged the corn. There was an excellent exhibit of potatoes.

## LADD WINS

IN SUIT AGAINST THE HEATH & MILLIGAN MANUFACTURING COMPANY OF CHICAGO.

Justice McKenna of the U. S. supreme court has just handed down a decision in favor of Prof. Ladd in the test of the paint cases. This establishes the constitutionality of the North Dakota paint law of 1905. No particulars of the decision have yet been received as we go to press.

### WILL HOLD BIG SHOW.

Hoverstad Elected Secretary.

An important meeting of the members of the executive committee of the State Dairy association was held in Jamestown on December 5th. All members were present with the exception of one, namely Prof. E. E. Kaufman, formerly secretary of the association, whose resignation was accepted at this time. Supt. Hoverstad of the State Farmers' Institutes was elected to fill the vacancy. It was decided that an annual meeting of the association should be held in the future and the place of meeting will be Bismarck. The date this year will be Jan. 21st. One of the important features of this meeting will be an exhibition of dairy products in which all creameries of the state and also several dairies will be represented.

R. F. Flint, assistant dairy commissioner, was elected superintendent of the exhibits. The committee will endeavor to secure Mr. Webster, chief of the Dairy Division at Washington, as a speaker

## The New Man

MR. THOMPSON TAKES CHARGE OF THE SOIL WORK.

Mr. Firman Thompson, recently elected to fill the newly created position of assistant soil chemist arrived at the College last week and immediately assumed his duties in Prof. Ladd's private laboratory.

Mr. Thompson comes to this station with high recommendations, a long and varied experience, together with the much needed enthusiasm and belief in the value of his chosen line of research. He takes up the study of North Dakota Soils in continuance of the work done by Prof. Ladd several years ago, and carried on under the handicap of the lack of sufficient time to devote to the work up to the present.

Mr. Thompson graduated from the University of Michigan, after which he spent nearly two years as assistant chemist at the Geneva Experiment Station of New York. From here he went to Honolulu, Hawaiian Islands, to act in the capacity of Chemist for the Sugar Planters' Experiment Station. Two years later Mr. Thompson accompanied Dr. Walter Maxwell to Australia where he assisted in successfully launching the agricultural experimental work for the Queensland government. Later he resumed his work in Honolulu, remaining there nearly four years and returning to the United States last September. From that time up to his arrival at this station he has been conducting fertilizer experiments in Indiana and Missouri for the German Kali Works, who

have control of the great potash salt deposits of Germany.

The greater part of Mr. Thompson's former work has been on soil problems or on lines which have kept him in close touch with these problems and he is peculiarly well fitted to assume immediate supervision and carry out the details of the soil investigations of this station.

In taking up the chemical study of North Dakota soils, on which little has been done and which are different in character and environment from any others in the world, Mr. Thompson has a broad and most interesting field to develop. Up to the present time the people of North Dakota have paid but little attention to the preservation of soil fertility and it is an undeniable fact that our soil, the richest in the world, is showing unexplained signs of exhaustion although it has been cropped for little more than twenty years. This is a condition for which there must be a remedy and our station as a whole is exerting every effort in the direction for its discovery. Crop rotation has been and is being very carefully studied on our experimental farms and the biological and chemical departments are now prepared to continue their special lines of study without handicap, Prof. Beckwith having taken immediate charge of the soil experiments in the former department and Mr. Thompson in the latter.

educational matters in this country."

All county superintendents, city superintendents, principals and all teachers are earnestly and cordially invited to attend.

### AT CONVOCATION.

Miss Simmons of the Moorhead Normal addressed the students at chapel yesterday morning. The speaker chose as her subject, Edward Everett Hale and Julia Ward Howe. Miss Simmons gave a very vivid picture of the appearance and character of the two most noted citizens of the United States. The speaker showed how Mr. Hale had developed through the years of his long life, he, being author, minister, philanthropist and, above all, a great molder of public opinion. Edward Everett Hale is now 85 years of age.

Julia Ward Howe has done much public work, and is the woman most looked up to by woman-kind of America. She has established many woman's clubs and has ever been an advocate of woman's suffrage. She is a beautiful woman physically, mentally and spiritually.

The address was appreciated by a large number of students. Next week we shall probably be favored by an address from Dr. McVey of Minneapolis.

### WORST TO DIRECTORS.

Last Friday Prese. Worst addressed the school directors of Cass county at Casselton. The subject of his address was "American as Compared with European Industries and Education."

### N. D. E. A. MEETING.

The North Dakota Educational Association will meet in Grand Forks Jan. 1 to 3. The meeting "rounds out two decades of association life." The governor of the state and other public men who take an interest in education, will be present. Dr. E. A. Winship of Boston will give two addresses. He is regarded as "the most thoroughly informed man on general

## SOCIETY

### Y. M. C. A.

An informal meeting of the Y. M. C. A. was held at the home of the Thomas Bros. on Tuesday of last week. The purpose of the meeting was to discuss plans for action in the future and transact the miscellaneous business of the organization. No little enthusiasm was shown and there was a unanimous vote in favor of holding a stated meeting on Wednesday of each week to discuss problems of interest to college men as men. The first of these meetings will be held tomorrow evening at 7:15 o'clock at the College. The business meeting was not of the usual order; a plate of delicious apples Secretary Leavitt's treat, kept all the members interested.

### ATHENIAN PROGRAM Dec. 13, 7:30 p. m.

Music—Orchestra.  
Original Story—John Magill.  
Debate: Resolved, That it would be for the best interests of this institution that one year's attendance be required before a student is eligible to participate in any inter-collegiate contest.

Affirmative—Carl Myhre, W. O. Whitcomb.

Negative—Ray Babcock, John Pease.

Music—Quartette.  
Locals—I. B. Phelps.  
Criticisms—Ruby Hicks.  
Music—Selected.

### MISSION STUDY.

A meeting of the Mission Study class was held Wednesday evening. In addition to the regular lesson study two papers by Misses Grest and Nan Childs were read.

The subject of Miss Grest's paper was "The Pygmies of Africa." She fully described the habits and customs of these diminutive people. Miss Childs gave an interesting account of the home life of the African.

### AGRICULTURAL CLUB

The Aggies held their regular weekly meeting Saturday evening in the College chapel. The full program that had been arranged for was not given on account of an early adjournment to allow those wishing it the opportunity of attending the basket social given by the Y. W. and Y. M. C. A. The first number on the program was the new college song, "The Green and Yellow" by the Club male quartette. Supt. Hovestad followed with a talk on institute work. He gave some interesting incidents along this line of work, with which he has been connected for several years. According to

his definition, a successful institute worker is not always the most eloquent speaker, but is the man who has been the most successful farmer or stock raiser and can tell the people where his success lies.

The president called on Prof. Weeks, who was one of the many visitors, for a few remarks. He responded by giving a few good suggestions along the lines of society work such as the Agricultural Club is doing.

The program for the next meeting will deal with the live stock show which was held at St. Paul a short time ago. The different members of the club, who were present at the show, will give papers on the various phases of the exhibition.

### SEC. LEAVITT SPEAKS.

Sunday afternoon at 3:30, Mr. Leavitt, College Secretary of Y. M. C. A.'s, gave a report on the international Y. M. C. A. convention held recently at Washington, D. C. The audience consisted of members of both Y. W. and Y. M. C. A.'s, as well as many other students.

The speaker began by briefly describing his trip to Washington and other points of interest such as Norfolk, Jamestown, and the old home of Washington at Mount Vernon.

The convention was held in the great assembly hall capable of seating 5,000 people. About 2,000 delegates were present. On the occasion of Wm. J. Bryan's address the hall was filled. Other famous men who addressed the convention were President Roosevelt, Governor Glenn of North Carolina; Bishop McDowell, Judge Spencer, who also conducted the convention; and several foreign speakers.

Mr. Leavitt gave briefly the substance of each of these addresses. It is interesting to note that all of these men, the strongest of the nations, have been and still remain members of the Y. M. C. A. and strongly uphold the cause of the organization.

### BASKET SOCIAL.

One of the most successful social affairs, financially as well as otherwise, was the basket social given by the Y. M. and Y. W. C. A.'s Saturday evening, Dec. 7, in the Armory. A large representation of the student body was present. The early part of the evening was given over to the playing of various games. A ladies' nail driving contest was one feature. Two teams of five girls each were chosen to contest against each other. Miss Rice's team succeeded in getting the ten nails driven first, and so won the prize. A boy's potato race then followed. Mr. Murphy, the representative of

the Junior class, was awarded first prize. Mr. Babcock's human pipe organ excited much merriment and although it was slightly out of tune at first, "Home, Sweet Home" was creditably rendered. The male quartette sang two selections which were most highly appreciated. At 10 o'clock the most exciting part of the evening's program took place, namely, that of auctioning the baskets. Prof. Keene performed the duties of auctioneer in the most excellent manner. About thirty-five baskets of every color and description possible, were sold. After refreshments were over all joined in the grand march, at the end of which echoes of the old College yell rang throughout the building.

### BOUQUET FOR THE DOCTOR.

Mr. Nugent is in receipt of a letter from the State Dairy and Food Commissioner of Missouri asking for three copies of Bulletin No. 77 on "Bovine Tuberculosis," by Dr. Van Es. In the conclusion of his letter the Commissioner says: "This is the best discussion of this subject now in American print."

The Doctor's forceful and painstaking work at the local experiment station has long been recognized as authoritative in this part of the country, and it seems that other states are also beginning to recognize its merits.

### SUBJECT, NOT AUTHOR.

In the reading of a great poem, in the hearing of a noble oration, it is the subject of the writer and not his skill—his passion, not his power, on which our minds are fixed. We see as he sees, but we see not him. We become a part of him, feel with him, judge, behold with him; but we think of him as little as of ourselves. Do we think of Aeschylus while we wait on the silence of Cassandra, or of Shakespeare while we listen to the wailing of Lear? Not so. The power of the masters is known by their self-annihilation. It is commensurate with the degree in which they themselves appear not in their work. The harp of the minstrel is untidily touched, if his own glory is all that it truly records. Every great writer may be at once known by his guiding the mind far from himself to the beauty which is not of his creation, and the knowledge which is past his finding out.—Ruskin.

Hatcher Bros. sell Insurance.

### CORRECTION.

The Weekly Spectrum desires to call the attention of the public to a mistake in the advertisement of the Union Light, Heat and Power Co., which should read \$7 per ton instead of \$4, for coke, as printed.

## The Key City Laundry

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WORK TO BE HAD IN  
THE CITY . . . .

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### C. E. GREEN

Dealer in Fresh and Salt  
MEATS

Poultry, Fish and Oysters in  
Season

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No. 105 Broadway, Fargo, N. D.



### THE SNOWFLAKES.

(Felix Doermann.)

Thou'rt merely a snowflake white,  
A child from heaven sprung,  
Thou whirlest happy and light  
Through clouds and wind along.

Thou'rt merely a flake, that's why  
Thou'r doomed to the death  
flakes meet;

They greet the sun—and die  
In the dirt and dust of the street.

M. Batt.

### A SOPHOMORE'S WAIL.

Physics is not so very "tough,"  
Surveying does very well  
But Analytic is something fierce  
And Calculus is—very hard  
Ex.

### NEW BOOKS.

The following books were received at the Library during the past week: A Compound of Materia Therapeutics, Potter; Essentials of Materia Medica Therapeutics, Morris; Practical Dairy Bacteriology, Conn; North Dakota Legislative Manual for 1907, Original Investigations, Loomis; An Elementary Treatise on Mensuration, Halsted; Non-Euclidean Geometry, Manning; Short Table of Integrals, Pierce; Higher Mathematics for Students in Physics and Chemistry, Mellor; Cumulative Book Review Digest.

### KINNEAR

GOOD SHOES

63 Broadway

## E. P. Sundberg & Co.

Gold and Silversmiths  
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Kodak brings added pleasure to every recreation. There is no fuss, bother or dark room in the Kodak way of picture making—a simple, easy process and daylight all the way.

Kodaks \$5 to \$106.50  
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### THE

## Ideal Theatre

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## FREE ARCADE

CONTINUOUS PERFORMANCE!

2 to 5 and 7 to 11 p. m.

ADMISSION 10 CENTS

### Half a Dozen Positions.

To Whom It May Concern:  
It is with pleasure that I state that not only did Aaker's Business College, Fargo, place me in a good position as soon as I completed my short-hand course last spring; but since I've been offered probably a half dozen positions through the school. This shows that the A. B. C. has the confidence of business men, and it is able to do well for its students.

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

## GAAR, SCOTT & CO.

The "Tiger" Threshing Line  
Threshers that do the work  
That save the grain . . . .  
Engines for Plowing, Threshing  
and Hauling . . . .

GAAR, SCOTT & CO  
Fargo, N. D.

Mr. Al. Birch has returned from Salt Lake and is spending some time in Fargo.

Misses Matilda and Mary Thompson, who spent Thanksgiving with their parents at Ayr, returned Sunday night.

# Big Spectrum Popularity Contest

## \$50 Worth of Prizes Given Away Absolutely Free!

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

FIRST PRIZE—\$26.00 14k. Solid Gold Watch; Hampden movement; purchased of E. P. Sundberg.  
SECOND PRIZE—\$10.00 Bracelet, purchased of E. P. Sundberg.  
THIRD PRIZE—\$5.00 Bracelet, purchased of E. P. Sundberg.

### RULES GOVERNING THE SPECTRUM POPULARITY CONTEST.

- This contest will open at 9:00 A. M. Nov. 26th, 1907, and close at 5:00 P. M. Feb. 14th, 1908.
- 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.
- Nominations will be made only by paid up subscribers of the Weekly Spectrum.
- A nominee may withdraw her name at any time but her votes shall not be transferable to another contestant.
- Nominations may be made at any time during the contest.

- Members of the Spectrum Staff shall neither be allowed to compete in the contest nor aid in any way whatsoever any contestant.
- The Business Manager shall be custodian of surplus coupon bearing Spectrums and these may be purchased from him at five cents each.
- Subscriptions shall neither be solicited nor received at the Bookstore or Spectrum office after 9:00 A. M. Nov. 26th, 1907.
- Each Spectrum will contain a two vote coupon which will be void if not presented within on week of date of issue.

- Under no circumstances will vote coupons be removed from Spectrums which are to go through the mail.
- The contest shall be governed by a committee of three appointed by the Spectrum Staff.
- Each contestant may have some friend whose duty shall be to take out the weekly reports for that contestant and act as custodian of as many votes as the contestant wishes to hold in reserve.
- Report blanks will be furnished each contestant.

- 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.
- 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.
- The committee shall formulate any new rule which they shall deem advisable and shall enforce the same.
- No commission will be paid solicitors of Spectrum subscriptions.
- Any one may assist contestant in securing subscriptions.

- 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.  
Single coupons in each Spectrum 2 votes.

GIRLS—Don't wait till some one else gets all the subscriptions. Organize your force of subscription solicitors NOW and win a Gold Watch next February.

PATRONIZE OUR ADVERTISERS

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### LOCAL WEATHER.

Lilly Bell's Horoscope.

In his last bulletin Dr. Long Whiskers, we say it with sorrow, missed the weather woefully. Of course, you must make some allowance for these prophets; they have nothing but old and antiquated methods to base their predictions on and no man can hope for good results with worthless tools. Everything went well (of course he made a few mistakes like scheduling cold weather for warm) till he remarked on the planetary conditions, of which he says: "The overcharge of electricity results in very warm weather and then when the electricity breaks away, cold takes the place of heat, the clouds collapse and rain and snow result." Now, there is no need to comment on this. Think of electricity strug-

gling to "break away." Try to imagine the clouds like toy balloons! Even then they would not collapse when the pressure on the outside was removed—though they might explode and spill out the rain and snow.

Our last bulletin gave forecasts for the week which were certainly marvels in their accuracy and pointedness. They predicted the weather 100 per cent exact, and that is 10 per cent better than any of the long whiskered prophets hope to procure by their antiquated methods. As predicted the temperature was slightly above the normal, which has been 12 degrees for the last twenty-six years, and was about 19 degrees for the last week. The precipitation was also slight except at Lake Pleasant, of '08's fame, where water has been streaming continuously from a 2½-inch hose for the last few days, but we credit this rather

er to Dr. of Gardens and Prof. of Skating Rinks, Hannan, than to the fact that the moon was tipped to such an angle that the water could run out.

The planets are following Teddy's example and getting in some strenuous stunts. They have assumed such position that they cannot be interpreted by any ordinary method, but by our specially devised method of plating in which we use the radius of an inscribed circle to a triangle whose vertices are the earth, moon, and sun, as the ordinate distance, at the same time taking the distance from the planet which is in ascension at the time to the center of the inscribed circle as the abscissa, and from this we plot a logarithmic curve. By differentiating and integrating these values we found that the prevailing winds would cool off unless it grew considerably hotter. Venus is in aphelion and may have some influence which we have not taken into consideration, but the weather will be in general changeable and we would strongly advise people not to grow too enthusiastic over the fine weather we have had. Be thankful for it, but do not plan any picnic excursion, because Venus may have an unpredicted influence.

A new moon of the faintest, thinnest type ever seen here shed its beneficent beams on the members of the athletic association. It made them so liberal that they extended an invitation to anyone who wished to pay his dues, to do so, and become a member then and there. It loosened the purse strings of the members so much that any of them could be touched for a half, or even a plunk, and it so warmed the hearts of the association that Bud was elected a second student member by a skiddoo vote.

The following letter received at our laboratory explains it self:

Dear Professors Phoon and Clone:  
I was born February 29th, 1887, at 9:35 a. m., in Chinkotin, Chestnut County, New York. Will you please cast my horoscope and make it as complete as possible.  
Sincerely yours,  
Lilly Belle.

Lilly encloses fifty cents, which we are grieved to say is not sufficient lubricant to urge us on to our best endeavors. We are prone to advise Lilly to go find some quiet pond and float in it, but since we have her coin, and she

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does not give her present address, we feel obliged to furnish her with fifty cents worth of horoscope.

The date of Lilly's birth is shown by calculation to have been in the second house when Jupiter was exerting his greatest influence over her place of nativity. She further must be light of complexion, with brown eyes, of robust figure, and of a merry nature. She was born for good fortune and her affinity is of the football-player type, who is inclined to big-checked trousers and flaming neck ties. We doubt very much that Lilly's natural attainments will ever set fire to the earth, but will have the ability to make her professors think she deserves a passmark when a goose egg would suit best. The exact date of her marriage we calculate to be--(If Lilly will send the other fifty cents we will complete her horoscope.)  
T. Y. Phoon.  
C. Y. Clone.

N. B.—Address all communications in care of The Spectrum.

Have you a Hatcher Bros. policy?

### AT THE GRAND.

The week of Dec. 11 will start out with one of the most novel bills of the season. Henry S. Zeda, "The Fiery Dragon," Coby and Carron, The Jockey, The Last Horse Race of the Season; How & Edwards, The Arrival of Mr. Dooley, and the great headliner Stadium Trio, the Great Australian gymnasts on the Roman rings, along with Prof. Rudd's Union Orchestra, and the latest moving pictures and new songs of the season.

"If a man should stand by a limpid pure spring, and curse it, the spring never ceases sending up potable water; and if he should cast clay or filth into it, it will speedily dispense them and wash them out, and will not be at all polluted."

Marcus Aurelius.

### Physicians

**Dr. J. G. Dillon,**  
Physician and Surgeon  
Phone 674L 604 Front St.

DR. SKELSEY, PHYSICIAN AND Surgeon, deLendrecie Building, Fargo, N. D. Phones 379 L-K.

DRS. SORKNESS & CARPENTER, Physicians and Surgeons, Edwards Building, Fargo, N. D.

DRS. DARROW & WEIBLE, Physicians. Office hours: 3 to 6 p. m. Office phone 244-L. House phone 244-K.

DR. K. H. MALLARIAN, M. D. PHYSICIAN AND SURGEON. Phones: Office, 665L; residence, 665L2. Offices over the Commercial Bank, 602 Front street.

DRS. CAMPBELL & RIBBLE, Offices over McDonald's drug store, Fargo, N. D. Phone 729L.

DR. P. H. BURTON, PHYSICIAN and surgeon. Stern Block. Phone 1038L2.

DRS. SAND & TRONNES, Physicians and surgeons. Phone 412L. 10 Broadway, Fargo, N. D.

DR. J. W. VIDAL, M. D., Physician and surgeon. Edwards Building, Fargo, N. D.

DR. EDWARD E. BASYE  
Osteopathic Physician. 101 Eighth Street South, Fargo, N. D.

### Dentists

GEORGE B. PATTISON, DENTIST. Office 56-61 Edwards Building.

Albert Hallenberg, D. D. S., dentist. Suite 1-2-3, Morris Block. Phones, Office, 123L; residence, 123K.

DR. F. A. BRICKER, SUCCESSOR to Frenette & Bricker, dentist. Telephones, office, 152; residence, 1037. No. 10 Broadway, Fargo, N. D.

T. H. SHERMAN, DENTIST, Edwards Block, Fargo, N. D. Phone 1044-M.

BALL & GRAVES (F. E. BALL, 1 D. S. J. L. Graves, D. D. S.) Fin National Bank Block, Fargo, N. D.

DAVENPORT & CHRISTIANSON, dentists. Over Northern Trust Co. Telephone 667. 62 Broadway, Fargo, N. D.

### Aurists

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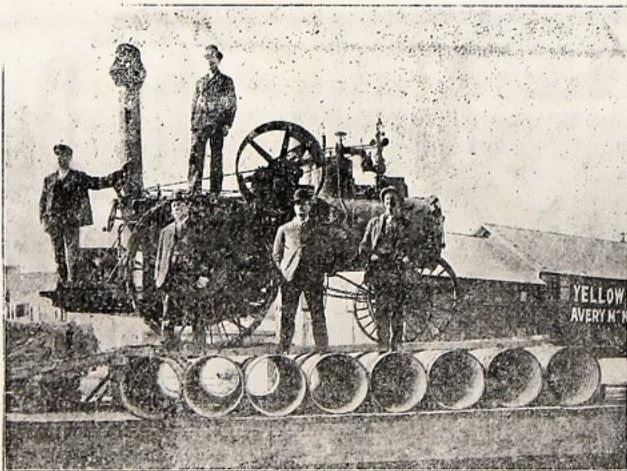
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### The Weekly Spectrum

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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#### "CRIBBING."

We frequently hear people, particularly business men, speak of business integrity. The integrity of a certain firm or the honesty of a certain business man, is assured, meaning that there is no suspicion of dishonesty in the reputation of the same. Most people in the business world, and otherwise, claim to be honest.

Doubtless most students in the schools of the country would answer that they were honest if the question were asked. And doubtless the answer would be true in financial matters and general business relations. But this is not all that honesty requires. Every word and action of the student must be found true before he can be said to be honest.

Doubtless every educational institution of the country is, or has been, afflicted with the malady of "cribbing." This is simply the inability to be honest in the true sense of the word, while writing final exams, or any other quiz for that matter. Probably few of us, when we analyze ourselves, can say that we never received from or gave information to our neighbor while writing a final. And if we have done so we are not honest in the true sense of the word.

It may have never occurred to us that to ask our neighbor for the answer to a certain question or to give an answer when asked for, was dishonest. It is easy when the instructor's back is turned, to open a book to find a certain result.

We thoughtlessly cheat ourselves. We may, perhaps, get a better mark on the finals by so doing, but we are beginning a career of one sort or another, and this is



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a poor beginning. If we have any idea of living an honest, straightforward life, then we are far from doing so when we indulge in such a practice.

Most professors believe that it is better to place a student on his honor than to watch him. What do you think of an instructor who watches you every instant to see that you do not cheat? And yet he may be justified when he is certain that there are those present who wish to cheat.

Bear in mind that habits are being formed and when once formed they are hard to break. Let us watch ourselves and see that we do not lay the foundation for dishonesty while still in college.

Just why the Junior Faculty should feel so insignificant as to shrink from occupying their own front seat in the chapel and come back to sit with the Juniors, we do not know. Perhaps it is because, not being bald-headed themselves, they feel unworthy of the honor of such a prominent position. When the seating of the students in the Chapel was arranged for, each class was apportioned a number of seats relative to its size, and at that time the faculty was also assigned its share. It might look better, and also make it more convenient for the other classes, if they would occupy the seats assigned to them.

'Tis a wise man that gets his skates sharpened while the weather is mild.

And still the faculty committee on a reception remains out. They might at least come in when the weather gets cold.

The brick sidewalk has been decorated so that the short course students will feel at home the minute they set foot on the campus.

U. N. D. has also recently inaugurated a department of publicity.

Recently The Call installed a large press which made it possible to issue in the future a seven-column paper in lieu of the six-column paper as formerly. Now a still further improvement is made by adding another Mergenthaler typesetting machine to its office equipment. This will enable The Call to serve its patrons with a larger volume of news and is in keeping with the policy of the publisher to improve the paper as rapidly as its business will warrant.

#### MUSICALE.

A musicale by the voice and piano pupils of Miss Edyth Grasse will be given in the College chapel on Thursday evening, Dec. 12.

This entertainment will be given by pupils who have been doing first grade work. Other recitals of a like nature will be given during the year. The public is cordially invited to attend these entertainments.

Following is the program for Dec. 12:

#### Part 1

Evening Song.....Krogman  
Miss May Stodder, Miss Grasse

Ode to Spring.....Henrie Weil  
Miss Lucy Cockburn

Two Golden Butterflies, Daugherty  
Miss Emma Piper

Bluette.....Kocling  
Miss Fern Dynes

Joyous Peasant.....Schuman  
Miss Waitie Stodder

I Love You Truly.....  
Miss Gladys Pease

Symphony in B Minor.....Schubert  
(Arranged for four hands)

Miss Jessie Peterson, Miss Grasse

#### Part 2

Searf Dance.....Chaminade  
Miss Ruth Hall

Supposing.....Bischoff  
Miss Helen Welter

Le Chevrier.....Laudry  
Miss Mary Thompson

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## THE LABORATORIES

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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  
WINTER SHORT COURSES BEGIN JANUARY 2.

2nd Mazurka.....Godard  
Miss Agnes Peterson  
If I Built a World.....Leyman  
A China Tragedy.....Thomas  
Miss Esther Evans  
Valse Episode.....Kern  
Miss Marie Spencer  
Valse.....Chopin  
Miss Jessie Peterson

#### POOR WHISKEY; POOR MEDICINE.

It is said, on good authority, that cases have been certified to the attorney general against certain North Dakota druggists for selling imitation whiskey. Nothing definite in regard to these cases has been made public as yet, but as they are the first to come before the courts of the state, the outcome will be watched with great interest.

#### INSPECTION TOUR.

Inspector Lynch is now making a tour of the southern part of the state inspecting the groceries and

# Alpha Mu Dance

Friday, December 13th

Tickets One Dollar.

drug stores in the interests of the state and national food departments. Special attention is being given to groceries and food products in regard to proper labeling and shortage in weights and measures. That the inspector is busy is evidenced by the continual arrival at the College of packages containing samples for examination which make Mr. Nichols, the food chemist, wonder when he will get a vacation.

#### BIG CLASS IN FARM CHEM.

The class in Farm Chemistry now contains over fifty students. Dr. Roberts who is acting as special instructor, reports that they are progressing rapidly in their laboratory work.

Prof. Householder arrived at the N. P. depot just in time to see the train pulling out when Miss Hannan went west. We are not asking any questions.

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## SPORTING

### A CHALLENGE FROM THE DEPARTMENT OF BIOLOGY.

Mr. Sporting Editor: Biologists have long recognized that old age and death are mere matters of habit, and being constantly associated with life, they readily recognize the fact that men of parts associated with such work can never grow old. We, therefore, of the Biological Department, note with pleasure, which only comes from anticipation of the great life engendering exercise to be obtained in physical contest, your call for basketball contests between the working staffs of the various departments. We have, therefore, this day marshalled our forces and are prepared to meet any reasonably worthy organization of our peers from any department, in a series of championship games to begin not earlier than Dec. 14. We make only one reservation to this sweeping challenge, viz.: No team could be duly recognized by us that does not enroll the head of the department on the field of contest or as substitute, under orders. Our team meets for practice on Saturday and Monday evenings at 7:30, according to convenience, and any organization which desires an opportunity to fracture a few of its bones as a preliminary to more sanguinary public contests will be welcomed in free exercise at these times.

Unlike most athletic organizations this team is not organized for the purpose of winning some games, but simply to develop the degenerating prowess of the various departments of lesser life and athletic attainments. Our motto: "If defeated, do not recognize it." Our team: Messrs. Bell's, coach and captain, Beckwith, Bolley, Seaver and Householder.

Many will be inclined to accuse us of introducing a ringer in the case of Mr. Householder, but this can in no wise be proven inasmuch as many people can be legitimately expected to swear that the Professor visits the Department of Biology daily. Furthermore, as there are one or more, more or less decrepit departments occupying parts of Science Hall in close association with us, and as it is not fitting that these should become wholly effeminate because of their inability to organize a separate team, Mr. Householder is hereby adopted as a fitting representative of all of these taken conjointly. This is quite as it should be for other reasons, as the denizens of Science Hall as a unit, may thus rejoice in a full-fledged athletic organization and strive, through rooting and other-

wise, for life in its varied activities.

Done, this, the second day of December, '07, in the office of the Biologist.

Athletics have not lost any of the energy that is characteristic of A. C. sports since the football season ended, but have taken on a very different aspect, from many points of view. It is predicted that the A. C. is entering on a new era in athletics. We are not to have general athletics merely in name, but in practice as well. Our new "gym" is doing a great service to those students that are athletically inclined. Almost any day a visitor may go to the Cadets' headquarters and find the main floor occupied by the young soldiers and the Cadet band, all marching to commands and well-played music. Each room has its wrestling or boxing contest going in full swing, and a general atmosphere of strife pervades the whole building. Before long we hope to have a well organized system of College sports so that each student may obtain the training and get the proper exercise in any especial form that he may wish, or he may indulge in individual exercise if he sees fit.

Athletic harmony should prevail to the very fullest extent. A perfect feeling of good fellowship is the only way for a body of strong athletic students, as the A. C. may well boast of, to accomplish the end that we strive to reach by this form of education. If the future is what the present indicates, it will be because we have the most generally developed forms of athletics in the Northwest.

A common question at the athletic table is, "Are the A. C. girls going to have a basketball team this year?" Well, we should say so, and hope further that they will have the fastest team that ever played on our floor. Someone asked yesterday, "How about the girls' team?" Every other department has a team and there are some special teams about to organize. What's the matter, anyhow? Aren't we going to have a girls' team this year?" The answer was, "Don't know; I haven't heard anything so far. But there is certainly plenty of good material for a winning girls' team this year, but they say that no outside games are to be played. If the above interrogator had read the past few Spectrums carefully he would have learned something valuable about our girls' athletics. Our girls comprise about 23 per cent of the attendance at the College this year. We have a number of boys' teams organized, and no doubt at least three or four of them will play outside games. It would seem rather unreasonable that we would not have at least one girls' team to represent the institution this year. Judging from the girls' athletics of the past few years, interest in them must be declining, if we are not to keep up with our previous records. In looking over the file of old Spectrums, we find in the issue of June, 1897, at the close of the report on the local field meet just previous to the inter-collegiate held that year at Wahpeton, the following record:

#### Ladies' Contest.

50-yard dash—Miss Lizzie Olson, 1st; Miss Peek, 2nd. Time, 8½ seconds.

¼-mile bicycle race—Miss Marie Edwards, 1st; Miss Helen Jewett, 2nd. Time, 1:3.

Baseball throw—Miss M. Peek, 1st; distance 113 feet. Miss Helen Peek, 2nd; distance 95 feet.

There were also other features of a like nature in which the girls took an active part. This would indicate that in the younger days of the institution we had girls that could not only indulge in indoor athletics, but also took their share of the honors at the field meets. Later, girls' athletics were

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confined entirely to basketball, and now indications would suggest that we are going to discontinue this valuable form of physical culture.

It would be only with the greatest pleasure that we would support the girls in any form of appropriate athletics. We only hope that the girls will not be slighted of deprived of the advantages to be gained by those friendly contests that may be brought about by games with other institutions. We should appreciate any interest that the girls may take as a whole in furthering athletics at the A. C. They are to have the use of the gymnasium several hours each week, and if college spirit can help any, a very interesting and entertaining program for our girls' winter athletics will be assured.

Last Friday the Athletic Association held its annual election. The attendance was rather large, which showed that considerable interest was exhibited in the questions at issue. Many of the stu-

dents who entered the College late were admitted to membership. At present there are about sixty members.

Our last president, Leo Nemzek, was the first nominee for that office. The next most popular man was William Whitecomb. Mr. Nemzek was elected.

The next nominations were A. P. Murphy and S. V. Anderson for vice-president. Mr. Murphy withdrew in favor of Mr. Anderson, who was elected.

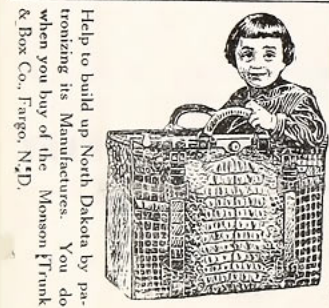
A. B. Haskins was unanimously elected treasurer.

A. P. Murphy and W. O. Whitcomb were nominated for secretary. Mr. Murphy was elected.

The student members elected on the Board of Control were Kent Darrow and Melvin Baernstein.

Nominations for custodian were made but all nominees withdrew and the election for this office was postponed.

Prof. Minard and Prof. Halland were the nominees for general manager, and Prof. Halland was elected.



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The Girls' Athletic Association held a meeting last Wednesday to elect officers, with the following results: President, Ella Heidner; vice president, Margaret Magill; secretary, Agnes Halland; treasurer, Cecelia Eyolfson; custodian, Ella Heidner; members of the Board of Control, Cecelia Eyolfson, Sadie Barrett, Louise Doleshy. They have requested Mr. Dobie to coach them.

#### HOW THEY STAND.

The following is the standing of the Weekly Spectrum popularity contestants:

Mable Piers	46
Lenore Oleson	383
Louise Doleshy	426
Fern Dynes	347

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One Everett Grand Piano.....	"	1,000	One Smith & Barnes Upright Piano.....	"	500	Two Hundred and Fifty Guitar Outfits at \$30..	"	7,500
One Sohmer Grand Piano.....	"	1,000	One Laffargue Upright Piano.....	"	500	Five Scholarships in Fargo Conservatory of	"	
One Behr Bros. Grand Piano.....	"	1,000	One Hobart M. Cable Upright Piano.....	"	500	Music at \$75.....	"	375
One Ernest Gabler & Bros. Grand Piano.....	"	1,000	Ten Scholarships in famous Dakota Business	"	1,000	One Rookwood Regina-phone.....	"	200
One McPhail Grand Piano.....	"	1,000	College.....	"	1,000	One Mahogany Regina-phone.....	"	150
One Bush & Gerts Grand Piano.....	"	1,000	One Farrand Organ.....	"	150	Sixty-seven individual prizes of \$25.00 worth of	"	
One Farrand Cecilian Piano, Self-Playing.....	"	900	One Farrand Organ.....	"	125	Musical Merchandise to be selected by win-	"	
One Hobart M. Cable Upright Piano.....	"	500	One Underwood Typewriter.....	"	105	ners at our store, total value.....	"	1,675
One Stone Piano Co., Upright Piano.....	"	500	Three Hundred and Fifty Violin Outfits at \$40.	"	14,000		"	

IF THERE IS ANY DETAIL OF THIS GREAT CONTEST THAT YOU DO NOT FULLY UNDERSTAND WRITE US AND YOUR LETTER WILL RECEIVE PERSONAL ATTENTION AS IT IS OUR EARNEST DESIRE TO ASSIST EVERY CONTESTANT IN EVERY LEGITIMATE WAY POSSIBLE.  
FOR ANY INFORMATION ADDRESS CONTEST DEPARTMENT

## Stone's Music House,

FARGO, NORTH DAKOTA

#### THE DEATH OF MACBETH.

There stood Macduff, who looked with scornful eye,  
And from his lips came words of dire contempt.  
Close stood they now, combating rage with rage,  
Each felt the other's breath upon his cheek,  
Both stood, but waiting for the last onslaught,  
Macduff, Macbeth—two warriors face to face.  
That bold, triumphant gleam of victory,  
Of just revenge, stood on one's sweating brow.  
Upon the other's, rage, desperate rage,  
Rage born of scornful taunts, faint hope, and fear.  
No hope of witches' power. All that was lost.  
His valor left, of all his graces, last,  
Alone sustained him now. So with proud heart  
Thus spake the king his last. "Lay on Macduff,  
And damn'd be him who cries 'Hold, enough.'"  
Then 'twas his whole life saw he, in a flash,  
As his sword with Macduff's did rudely clash.  
His boyhood pure, his noble youth and home,  
His playmates, comrades when to manhood grown,  
His noble hopes, then less-noble desires,  
His valiant deeds, his honest rivalry,

His friends, the noble lords of Scotland fair,  
All this he saw as a far off, fair dream.  
Then darker grew. Scenes followed, black as hell.  
His secret thoughts, and night lurking desires,  
The Witches,—God. They stare with ghastly eye.—  
His first great sin,—Yes, it was all his own,  
'Twas not his wife's till he had spurred her on. —  
Then loss of conscience, love, and men's respect,  
His murder of Banquo his dearest friend,  
Again the witches passed with rattling laugh,—  
O, God! 'Twas all plain now. They mocked him still.  
And then he thought he saw one sea of blood,  
Red blood, now darkened as it there did clot,  
One vast, far reaching sea of clotted blood.  
And out upon this sea he slowly backed.  
Yes, he was backing now, and strongly pressed,  
Out, out, upon this reeking sea of blood.  
His arm grew weak, while Macduff's arm grew strong.  
He gasped for breath; hot came it from his foe.  
Death pierced his soul, leaping from Macduff's eye.  
But on he fought, still further out to sea,  
Until his arm dropped limp beside his hip.

One sharp, cool prick of steel, then from his heart  
Gushed forth his own red blood upon the sea,  
And as it touched, the sea began to swell,  
Then turned again to red, began to flow,  
And as it closed around his sinking form  
Its warmth, its stench, sickened and wrenched his soul.  
He dropped his sword, and as it touched the sea  
Heeate arose, and with a parting croak  
Clasped Macduff by the hand and flew toward land.  
Then o'er his head the blood waves slowly closed.  
Down, down, he sank. Darkness alone was there.  
So died Macbeth; so closed his bloody reign,  
Drowned in his blood, and that of those he'd slain.  
Chas. H. Clark, '08.

The Hub is the store for College boys. Moorhead.

#### THE ENGINEER.

Who comes with Faber sharpened keen,  
With profile long and sober mien,  
With transit, level, book, and tape,  
And glittering ax to swat the stake?

The Engineer.

Who sets the level, bends his spine,  
Squints through the glass along the line,  
Swings both his arms at rapid rate,  
Yells, "Hold that bloomin' rod up straight?"

The Engineer.

Who saws he air with maddened rage,  
And turns with haste the figured page,  
And then, with patience out of joint,



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Then tells you solid rock is loose; That hard-pan's nothing more than loam.

While gumbo's lighter than sea-foam?

The Engineer.

Who, after all, commands our praise

(In spite of his peculiar ways), While others harvest all the gains

That spring from his prolific bairns?

The Engineer. EX.

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**PERSONAL**

Ben Otten was one of a party of three who killed two deer on the Missouri last week. Mr. Otten returned last Tuesday.

Miss Grace Wilson, an old student, was married to Mr. John O. Charalson on Nov. 28. They will be at home at Hope, N. D., after Jan. 1.

Mr. T. E. Heverstad was recently elected secretary of the State Dairymen's Association vice E. E. Kaufmae, resigned.

A small boy arrived at the home of Mr and Mrs. Ranclett last Thursday. Congratulations are extended.

Miss Teresa Fields, '06, spent the Thanksgiving vacation at her home. She is teaching in the Cavalier High School.

Mr. J. Carmen is suffering from a rather severe attack of typhoid fever.

Mr. Al. Birch was a visitor at the College last week. He will return to Salt Lake City soon.

John Thysell, '08, attended the wedding of his cousin at Lake Park, Minn., Sunday.

Ruby Hicks and Mabel Piers visited the Moorhead Normal last Saturday, attending chapel in the morning.

Mrs. Irene B. Ash visited the sewing classes at the Oak Grove Ladies' Lutheran Seminary Saturday afternoon.

Dr. and Mrs. Beel have moved into their new home on Eighth street north, during the past week

**TEDDY BEAR.**

The thankful Teddy Bear says, says he: "I am very thankful that I am not a turkey."

"I am thankful that I am not a football player. It saves me the trouble of being reformed. I can also hold my job as a silent rooter."

"I am thankful I am neither red-headed nor sandy. It saves me the trouble of having to make speeches before the Philos. Neither is there any danger of being mistaken and shot for a wood-pecker."

"I am thankful I am not a girl. It saves me from having to enter the popularity contest. A gold watch is of no use to me. I know what time it is by the rumbling and trampling of feet in the hallways. I also have a way of telling meal-time without a watch."

"I am thankful I do not skate. I can't sit down fast enough, and when I don't it is liable to hurt."

Prof. (dietating)—An emulsion is a suspension of fats and oils in water. Milk is an emulsion.

Student (in note book)—An emotion is an expansion of fats and oils in water. Milk is an emotion.

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.

**GRAND Theatre**

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

- A  
**PROF. RUDD'S UNION ORCHESTRA**
- B  
**THE SLADIUM TRIO**  
The Great Australian Gymnasts
- C  
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- D  
**HOWE & EDWARDS**  
"The Arrival of Mr. Dooley"
- E  
**H. L. ZEDA**  
"The Fiery Dragon"

Three Performances daily: 2:30, 7:30 and 9 P. M.  
 Prices, 10c, 20c, and 30c

**FINE BANK POSITION.**

A. M. Engleson, who has just completed the new banking course at the Dakota Business College, left Saturday for Church's Ferry, where the school has secured him an excellent position with the bank. Over 360 pupils of this school have gone to good positions this year.

"The safety of life is this: To examine, everything all through, what it is itself, what is its material, what the formal part; with all my soul to do justice and to say truth. What remains, except to enjoy life by joining one good thing to another so as not to leave even the smallest interval between?"

Marcus Aurelius.  
 Make the best of everything, Think the best of everybody; Hope the best for yourself.

Student—"What are you eating that sauer kraut for? I thought you did not like it."

"Freshman—"I don't, but I've got to do something to help me pronounce those German words. You see, I don't know how to choke."

First Broke—"How in the world can we manage to get the basket we want at the sociable? I'm afraid they are going to be too high."

Second Broke—"I know. We'll skip the board bill this week and let 'mother' wait until after we get back after the holidays."

**BEWARE.**  
 From Judge.  
 Satirical cartoonists  
 Had better have a care,  
 And ask, ere they attack him,  
 How much will Teddy Bear?"

Prof. Holley is getting so penurious lately that he recently tried to pass a penny on a street car conductor for two fares.

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## ENGINEERING IN THE WINTER SHORT COURSES.

By Prof. P. S. Rose, Department of Steam and Experimental Engineering.

The winter short courses at the Agricultural College begin January 2nd, 1908. These courses are designated especially to meet the needs of farm boys. Two courses are offered, known as Schedule "A" and Schedule "B" respectively. The former is devoted to live stock, English, arithmetic, shop work and gas engineering; the latter to grain raising, farm mechanics, traction engineering, shop work, English, arithmetic and dairying. Both courses are eminently practical and are so arranged that a student may pursue one schedule this winter and the other schedule next winter. The winter term ends March 19th, at which time the short course also ends.

Judging from the number of applications that have already been received, there will be larger classes in traction engineering this winter than ever before in the history of the College. Last year, and for several preceding years, a large number of students were unable to take this subject on account of lack of room in the old engineering building. This year there will be room for every one that applies. A fine large lecture room has been provided in the new engineering building with seating capacity for 120 students. The seats are arranged in amphitheatre style so that every one can see and hear to the best advantage. The seats have board arms to facilitate the taking of notes, the room is ventilated by means of a large electrically driven fan, and the lecture table is fitted with steam, gas, water and compressed air connections. It is planned to divide the class into three sections for lecture work and all lectures will be given in the forenoon. A new traction engine laboratory 38 x 90 feet has just been completed, thus doubling the room formerly used for the practice work.

The lectures cover every detail of the construction of a traction engine, from the whistle to the drive wheels, and every point is illustrated by models, sections, or full sized parts of the machine. Explicit directions are given for

properly adjusting all parts that may need adjustment about a steam engine, with the idea of making the students who take the course capable of doing their own expert repair work in the field.

The laboratory work consists of valve setting, flue setting, babbitting, belt lacing and lining up engines, together with many other practical exercises calculated to make the student a fairly expert engineer.

While the course is designed primarily for traction engineers it is equally as instructive for those who are interested in stationary engineering since the principals of steam engineering are identical for all classes of steam engines.

Those students who have completed the course in traction engineering and who are qualified to take up the study of algebra will have an opportunity to take up a more advanced course in steam engineering this winter. This course is a text book subject and deals mainly with the properties of steam. The laboratory work in connection takes up the measurement of power by means of the Prony brake and the indicator.

A course in gas engineering will be offered short course students for the first time this winter. The lecture work in this subject will be presented on Monday, Tuesday and Wednesday of each week and on the remaining two days lectures will be given at the same hour on some phase of civil engineering by the professor in that department.

The course in gas engineering will be presented in much the same way as the course in traction engineering. The department is well equipped, in the matter of apparatus, to handle this subject in a very practical manner. The object of the course is to give the student a clear conception of the fundamental principles of the operation of a gas or gasoline engine, together with enough instruction in regard to details of construction to enable him to run an engine and make all needful repairs or adjustments. A student who takes gas engineering will not be allowed to take traction engineering.

The blacksmith shop has been remodelled this year and the fans are now driven by an electric motor instead of a gas engine as formerly. This makes it possible to run the shop both forenoon and afternoon, thus doubling its capacity.

The capacity of the wood shop has also been increased by the addition of new benches and larger and more commodious quarters. Like the forge shop it will be open both forenoon and afternoon.

All classes in steam and gas engineering will be in charge of Prof. P. S. Rose and Mr. C. I. Gunniss. Mr. H. Chisholm has charge of the forge shop and Mr. Geo. Tibert of the wood shop.

Our chapel stage is altogether too small. This makes the work of putting on a play much more difficult and requires more planning and quick thinking of the participants.

The cast was made up of the following: Lynn H. Miller, Kathryn Hathaway, Leo P. Nemzek, Katherine Childs, Wilfrid P. Heath, Chas. H. Clark and Georgia Congdon, coached by Prof. Keene.

Dr. Putnam's college orchestra entertained the audience between acts.

### ENGINEERS.

The Engineering Society held a small but very select meeting in the Music Hall last Saturday evening. The topic for discussion was "Aerial Navigation." Several good papers on different phases of the subject were presented by the various members and Prof. Keene gave an exceedingly interesting talk on "Wellman and His Work."

In the business session following the programme, Prof. Rose made some pointed suggestions for the holding of a grand house-warming in the new building next term. No definite action has yet been taken but it is probable that the public will be invited to attend.

Get College posters at the Hub Clothing Store, Moorhead.

### CAPTAIN STEVENS MAKES A BOLD DASH FOR WILD RICE.

A party of the foremost scientists of the day, headed by Captain Robert Stevens of the N. D. A. C., Cadet Corps, made a bold dash up the Red on Saturday, nearly reaching the coveted goal, Wild Rice. This city is known to exist and has been placed on all recent maps, although little is known of its inhabitants or resources.

Captain Stevens is giving his vast knowledge of astronomy and the general sciences to this enterprise free gratis. His co-workers on the recent expedition were: Former First Sergeant Beard, who is now the leading chemist of Fargo College, and Sergeant W. E. Hall, the famous stock man of this institution.

At a box party given at the local theatre Saturday evening, the jovial Captain entertained the members of his exploration party and some of the influential business men of the N. D. A. C. including the noted "Peek Horn" player, Davis, of the Cadet Band and a reporter from the Weekly Spectrum. At this party the captain gave as his reason for failure, the lack of funds to thoroughly equip the exhibition.

The gallant captain is now endeavoring to interest Messrs Heath and Miller in the project and announces that he will reach the goal this week or 'bust' his derby in the effort.



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Marcus Aurelius.

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### COUPON.

This coupon is good for TWO VOTES in The Spectrum Popularity Contest. This coupon is void if turned in later than Friday, Dec. 20th, 1907.

### PHILO'S SHOW TALENT.

In the presentation of the three act comedy "Captain Racket" on Friday evening, the Philomathian literary society made a good showing before a chapel comfortably filled with spectators from town and college. Although a little stiff in certain parts, the play went off smoothly for amateurs; all mistakes or lost lines being well covered, showing quick thinking and god control on the part of the actors.

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