

THE WEEKLY SPECTRUM.

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NORTH DAKOTA AGRICULTURAL COLLEGE TUESDAY APRIL 18, 1911.

PRICE 5 CENTS

Biggest Debate Of Year Comes Friday

TOWLE, GIFFORD AND DODGE WILL ARGUE IN SOUTH DAKOTA AGAINST A

U. S. Central Bank

HAMMOND, HORST AND MISS CAMP WILL UPHOLD THE AFFIRMATIVE AT HOME.

The most notable event in the debating history of the A. C. will occur next Friday when both of our debating teams will debate with the South Dakota Agricultural College on the question, Resolved: That Congress should establish a Central Bank. In this debate the affirmative team will speak at home and the negative team at Brookings, S. D. Those who comprise our negative team are H. M. Dodge, Ray S. Towle and Leroy Gifford. They are all seniors this year and have all shown their ability in forensic lines before. Mr. Towle was a member of our winning team against South Dakota last year, as well as on the Inter-society debate between the Athenians and Philomathians and in both cases was one of the strongest debaters on either team. Mr. Gifford was a member of the winning team in the inter-society debate two years ago and on account of the work he has done in literary societies has quite a reputation as a speaker. Mr. Dodge has been too busy in other lines to allow him time to take part in Inter-collegiate or Intersociety debates in former years but has been one of the persons to be feared in debates held in the Athenian Literary Society, hence will probably make some strong arguments for us in the South Dakota Debate.

These debaters will not have an easy time to win, however, as they have a very strong team to go up against. They are Roy A. Ward, C. D. Johnson and J. T. Cuttingham. It will be remembered that Mr. Cuttingham was the star debater with the South Dakota team which debated here last year. The members of our affirmative team are Miss Bertha Camp, Leo Horst and Chas. Hammond. They are not as old and experienced as our negative debaters but withal have shown their abilities as debaters in the class in forensics in the different literary societies and in preliminary debate which was held the first of the term.

Miss Camp is the only girl on either team. She has had considerable experience in debating at the Fargo High School. She is very well posted on this question, has a splendid voice, and has ability to think and talk on her feet and so will perhaps be one of the strongest debaters on the team. Mr. Hammond built quite a reputation as a debater in class last year and made a fine showing in the preliminaries. Mr. Horst was a member of the winning team in the Inter-society debate last fall and has made quite a reputation as a talker during the time he has been here.

The team from our sister college which will appear here will be P. V. Finley, H. D. White and G. S. Bisbee. None of them have ever debated here before but are said to be very strong debaters, so may advance some arguments which will be very hard for our team to refute.

The Central Bank question is one of the live questions before Congress today and one on which we should be well informed. This debate will give everyone an opportunity to hear both sides of this important question as the debaters have been spending a large part of the winter in the study of Central Banks. The chance to hear them will be given to you in the Armory next Friday evening at 8 o'clock. At the conclusion of the debate a reception will be given to the South Dakota team.

State Oratorical Contest Soon Here

Next Monday April 24, comes the State Oratorical Contest when our orator Edgar Olson, will compete for state honors. The contest is to be given in Fargo this year under the auspices of Fargo College. We have not been able to learn definitely where the contest will be given altho we understand an attempt has been made to secure the Presbyterian church for the purpose.

Miss Jungberg of Lake Park, Minn. and Mrs. John McGuire of Fargo were visitors at the library Friday.

Interesting Work In Physical Geography

LABORATORY WORK TO BE GIVEN IN CONNECTION WITH THE COURSE. VALUABLE PREPARATION FOR ADVANCED COURSES.

Old unstimulative systems of teaching are slowly giving way to more effective and lasting methods. Here and there comes to light a new and better way to present a subject and make it more broadening. One of the departments to employ a new system is presenting an old subject in the department of Geology under the efficient direction of Prof. Hard. Physical Geography is henceforth at the High School at this institution to be reinforced by laboratory work. Mr. Hard has introduced those methods and laboratory work which has proven so interesting and helpful to the students in the eastern agricultural high schools and academies.

The work is valuable in that it places the student, early in his courses, with those elementary physical principles which are involved in every day phenomena, met first hand in any study of agriculture, soils, land forms, domestic science etc. In fact any young man or woman must every hour in the day meet some one of nature's events which are readily interpreted in terms of the processes and forces dealt with in all well selected courses in Physical Geography. Such work is naturally very helpful to any student about to start any agricultural, engineering, domestic science or in fact any other course of study, including even a little of the natural or applied sciences. Again such work is indispensable in preparation for work in Mineralogy or Geology, for those having in view work in these limited but fascinating fields of the Soil Analyst, or of the Weather Bureau this course is the very foundation.

The new Course outlined for the A. C. includes much that the present instructors has presented in previous teaching in High School or has made required work for admission into the College classes.

Principals of map and globe projection are studied. Land features are to be modeled in the new moulding tanks one of which has already been purchased. The collection of building stones and of minerals gives ample material for study of economic use of rocks, further the soil making components are examined and the origin of soils is seen in the production of sand silts and clay. The relation of loams clays, gravels, and the various sandy soils to their respective parent rocks is traced out. The causes of high or low water and plant food are examined as are also the simpler properties of the big collection of N. Dakota soils gathered in the Soil Survey.

In the spring trips to the river and to other places of occurrence of other simple land and water forms will enliven the work.

Minneapolis Paper To Aid Farmers Institute

FARM, STOCK AND HOME SETS GOOD EXAMPLE. WANTS FARMER'S INSTITUTE WORK TO GO ON.

The Farm Stock and Home of Minneapolis one of the leading Agricultural papers of the Northwest, appreciating the embarrassing position in which the Farmers Institute Board finds themselves, has come forward in a manner that is most commendable. This publication submits a proposition to its subscribers which if taken advantage of will provide the institute board with a fund of possibly \$5,000 or more. The Farm, Stock and Home proposes to transfer 25c of every dollar that is received on subscriptions up to the 15th of May, 1911 to the Institute Board, giving it in the name of those who renew or subscribe. An appeal has been sent to all their subscribers urging them to renew their subscriptions and thus make it possible by this means to keep the institute work afloat. This move cannot be too highly commended. If the farmers will but now do their part they may have the services of the institute corps continued for some time for without help they will have to disband for two years at least.

Miss Nelson a teacher in the Havana High School is spending a few days visiting her friend Florence Hunt.

Ceres Hall Lassies Entertain The Amiable

ONLY THE HANDSOME WERE INVITED. JUDGMENT AND ENTERTAINMENT OF HOSTESSES HIGHLY LAUDED BY GUESTS.

Twenty two of the young ladies of Ceres Hall entertained a similar number of young men last Saturday night. Upon entering the parlor the young men were informed that they must consider themselves as prospective students about to enter Co-ed college. Upon answering numberless questions put to them by the President and Registrar of the College, Chester Holkesvig and Ruby Head respectively, they were assigned to their classes. The girls also had to pass thru a similar experience.

The classes immediately organized. President, Oratorical and Track representatives together with a chapel stunt were chosen. Class yells and poems were compounded.

After listening to a heavy address by the President, extremely pointed and witty, the classes each in turn were called upon to fill their allotted time in the chapel exercises. The Seniors did themselves proud in their class play.

In the track meet the Sophomores won an easy victory helped out considerably by the president who was the judge of all the events and his word was law. The Juniors and Freshman protested, bringing forth an outburst of rebuke from the Presxy every word of which was recorded by the registrar. After presentation of the medals to the winning athletes, the Oratorical Contest followed. In this the freshmen represented by Horace Rueber won. The Senior Orator Mrs. Marshall was, for extremely close second. For these efforts the Freshmen received most kindly praise from the head of the institution. Mr. Rueber received a large gold medal with the accent on the large for his efforts.

During all these events the classes repeatedly gave their class yells and songs, and urged on their contestants in an extremely fitting manner. For the Junior Prom each boy had to select his partner from a certain class. After this function the All College banquet followed which ended the term.

In all it was an enjoyable occasion and the young ladies of Ceres Hall are to be congratulated on their ability to entertain.

Interesting Lecture Last Friday Evening

Mr. Hayward from Fort George, British Columbia delivered an illustrated lecture at the Armory last Friday evening. Mr. Hayward's lecture concerned the development of the Pacific Northwest, particularly British Columbia. In a very interesting manner the history of British Columbia was traced from the discovery of the Fraser River to the present time. Thruout the discourse a number of interesting views were thrown upon the screen. Prof. Keene was secured to operate the stereopticon which he did in his usual satisfactory manner. The crowd that greeted Mr. Hayward while not the largest was nevertheless an attentive one and one that received an enlarged view of the importance of this extensive area.

Experimental Mill To Exhibit In Michigan

The Experimental Mill is to make an exhibit at the Convention and Exposition of the Fraternity of Operative Millers of America in Detroit, Mich., June 5 to 10, 1911. The Dept. of Grain Standardization will have an exhibit at this meeting and Mr. Bailey of this station will have charge of it.

The State of Minnesota is attempting to land the National Corn Exposition this year and if the legislature sees fit to appropriate sufficient funds to erect a suitable building to accommodate the exhibits, the show will undoubtedly be held in that State. It is interesting to note that this is the first attempt by one of the Northern States to secure this Exposition and it serves to show us in North Dakota that perhaps we too may also be in the Corn Belt.

Mrs. McVeety, assisted by Harold Bachman, has been busy of late checking over the books of the library and also the libraries of the various departments about the campus.

Freshman Players Get Their Reward

'14 CLASS SHOW THEIR APPRECIATION BY PRESENTING CHAMPS WITH MONOGRAMS.

The Freshman class finding they were rather flush with funds decided to reward their Basket Ball warriors, who so successfully annihilated surrounding towns, with a token of appreciation for their gallantry in the form of monogram.

We never saw this team in action but country papers, in whose territory these freshmen carried on their depredations, often gave them front page write ups which fairly teemed with loud praises of their gentlemanly conduct and skill in caging the sphere.

Every Saturday night these hardened athletes, would hire a dray and hie themselves into the rural district, unmindful of the weather, just simply to entertain the natives and inform them by practical demonstration that the pride of their little village, had a slight misconception about their ability to play the national indoor game.

On secondary consideration it may be possible that these monograms were awarded to these who showed the greater hardihood in withstanding climatic conditions. If this is the correct basis upon which the monograms are awarded the freshmen might extend their generosity and present the entire Spectrum Staff with sweaters. (This is merely a hint, it is not absolutely necessary that you do it, but then it would be kind of nice.)

Now for the newsy part of this article, the monograms are four inches in diameter of the college green, surrounded by a narrow zone of yellow, not the college yellow but a brighter hue, you know that bright glistening, loud, color that will attract childish attention, in the center are the large class numerals '14 the 1 is in white and the 4 in brown, representing the class colors. In all, it is an extremely beautiful well arranged monogram.

Among those who will have their gladditorial abrasions soothed and their ability spurred to higher achievements in the future are, Oblinger, Stump, Larson, Ostbye, Manikowske, Montogomery and Geo. McKee.

Dr. Putnam Composes Auverjne Commandery

A NEW MARCH DEDICATED TO FARGO ORGANIZATION TO BE INTRODUCED APRIL 25TH.

Now that the busy season has somewhat abated from what it has been during the past winter Dr. Putnam, Director of Music is giving some attention to composition work. He is at present engaged in writing a march Auverjne Commandery, dedicated to the Fargo organization of the above name. This march will be ready for use in the parade of the Knight Templars at the unveiling of the monument of Frank J. Thompson which occurs on the 25th of April. This march is of a heavy character and in the trio strain it contains the Knight Templars processionary hymn "The Sons of God Goes Forth to War."

Dr. Putnam is also arranging some drill music for the orchestra which will be used for the CrackSquad dance which will be given April 28th. This composition has been arranged for a band but never for an orchestra. And Dr. Putnam is now whipping it into shape for orchestra use.

CONVOCATION

The Convocation speaker yesterday was Prof. Householder of the Dept. of Mathematics who talked on the solar system. He gave a brief history on the development of astronomy telling how the stars and planets had been accounted for by all kinds of theories and then proceeded to show the advancement of astronomy since the adoption of the Copernican system. The movements of the planets and their places in the solar system were well illustrated by practical examples thruout and the talk proved very interesting to those who heard it.

Next Monday's convocation address will be given by Reverend Walters of the First Methodist church of Fargo.

Good Effects Of North Dakota Paint Law

NEW PAINT BULLETIN CONTAINS INTERESTING DATA.

The Dept. of Chemistry has just issued a Paint Bulletin which contains a list of analysis of various paints put out by eastern paint manufacturers. It is surprising that at even this day of pure product and honest labeling legislation the percentage of adulterated paints in the market is very high. This fact is brot out very strikingly in the bulletin wherein are published the constituents of several brands of paints which are widely advertised as pure white lead pigments but which in reality contain from 50 to 75 per cent of inert materials like barytes, lime and silica which are purchased by the manufacturer for less than one fourth the price of white lead and this product they sell at the same price as the pure paint.

This malpractice works a hardship on both the public and the honest manufacturer for it is nearly impossible to compete with such unscrupulous methods and give the public a pure article.

The point that is of interest to North Dakotans is that these paints were purchased in other states where the Paint Law is not as stringent as our own. While it is impossible to say that no illegal paint is sold in this State still it is well known that the grade and standard of mixed paints in North Dakota is much higher than in most of the other states.

Right at this time it might be well to commend Prof. Ladd for maintaining his aggressive attitude towards any infringement of the law regarding honest labeling and pure produces. In this instance he published material which the public should know and which the manufacturers sought to conceal and altho threatened by these manufacturers that they would work against the cooperative system now in vogue here with the Paint Manufacturers Association on the Test Fences, he did what was right.

Dept. Of Mathematics Offering New Course

Something new is being offered in the department of Mathematics this term which is taken advantage of by a number of the students interested in Agricultural Statistics and Plant Breeding.

It consists of a series of lectures by Prof. Smith on the elements of statistics as directly related to the problems of breeding. The topics treated have largely to do with the question of type, variability and the theory of variation as applied to problems in corn, wheat and timothy breeding from a mathematical standpoint.

This course will be of immense value to the men who will be called on to compile original data in a scientific manner and to deduct results from them.

These lectures will be given at 3:30 every Friday afternoon.

Father Cleary Speaks Here Next Thursday

WILL BE THE FOURTH NUMBER ON THE CITIZEN'S LECTURE COURSE. HE IS A LECTURER WITH A NATIONAL REPUTATION.

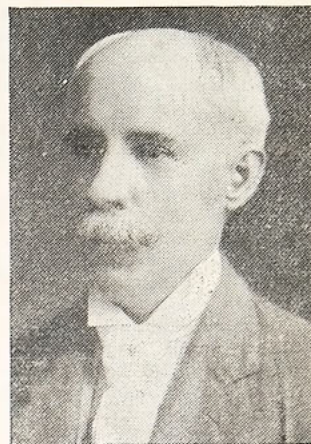
Next Thursday evening occurs the fourth number of the citizens lecture course in the college armory. At this time Reverend Father Cleary of Minneapolis will give an address, which will probably be on American Citizenship.

Father Cleary is a man who is famous over the whole country as a lecturer. During the twenty-five years he has been a priest he has become beloved by all who know him, Catholics and Protestants alike, as he has always been willing to work at a sacrifice to himself for his church and his country. He is a great orator who combines a charming personality with grace and power. He has a fine physique and fine stage presence. He is a ripe scholar and has an earnest, eloquent appeal of a true orator which pleases everybody. Moreover, Father Cleary is an optimist who sees things as they are and not only has the patriotic appeals but can present them in an interesting manner. His fine humor is enjoyed by all.

Those of our faculty who have heard him all say that he is one of the most brilliant speakers they have ever heard.

Famous Attorney At Grand Next Sunday

As announced in last weeks Spectrum there is to be another lecture given at the Grand Theatre April the 23rd, under the auspices of the Grand Free Lecture Association. The lecturer who is to appear is Charles Frederick Adams one of Brooklyn's foremost lawyers. Mr. Adams has taken as the subject for this discourse "Government by Judges". This is to be a popular exposition of the relation of the Supreme Court to the this discourse "Government by Judges".



Mr. Adams will show that the Supreme Court historically is not entitled to the power that it actually wields. This lecture as before said is to be a popular exposition and will be made as interesting to the general public as to the legal profession.

Farmers Institute To Receive Support

THE FARGO COMMERCIAL CLUB BACK OF MOVEMENT TO SUPPLY FARMERS INSTITUTE BOARD WITH MONEY WITH WHICH TO CONTINUE INSTITUTES.

The Fargo Commercial Club, thru its president J. P. Hardy, has recently addressed a letter to all the commercial clubs within the state setting before them the facts concerning the Farmers Institutes. The Fargo club proposes that a state wide meeting be held to which all the commercial clubs of the state shall send delegates and at this conference see what can be done to raise the fund needed for the prosecution of the work carried on by the institute workers. In the words of Pres. Hardy "The importance of this work, teaching, as it does the lesson of more intensified and better farming was never more clearly demonstrated than last year, when the short crops due to the lack of rainfall thruout the state brot home to us the necessity of reform in farming methods.

The members of this board were the originators of dry farming methods in this state, and at their institute meeting have preached them and at the demonstration farms have practiced them until the dawn of a new farming day is just lighting up our agricultural horizon.

For the purpose of securing organized effort to raise a fund commensurate with the importance of this work and to the end that it be not permitted to cease it is proposed to hold a state wide meeting at the Commercial Club rooms in Fargo at 7:30 P. M. April 27th.

The Fargo Commercial Club urgently requests the various state clubs to get together at once and elect delegates to this meeting and to advise them at once how much money can be raised in their localities for carrying on the Farmers Institute work for the next two years. As Mr. Hardy says the necessary funds must be raised at once and with the cooperation of all commercial bodies thruout the state the pro-rata of the community will not be an intolerable burden.

Remember the class meeting this afternoon at 4:30.

H. M. DODGE, Pres.

Since Mr. Caldwell, the piano player in the orchestra, has been unable to be here for the spring term his place will be filled by Miss Jessie Peterson.

Theodore Gustavson of the University was a visitor in the Y. M. C. A. class in Mission Study last week.

Father Cleary—North Dakota College Armory—Thursday 8:15 p. m.

THE WEEKLY SPECTRUM
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Get your happiness out of your work or you will never know what happiness is — Elbert Hubbard.

The State Oratorical Contest takes place next Monday, the 24th, in Fargo and is to be held under the auspices of Fargo College. In this contest, the A. C. is represented by Edgar Olson. Naturally we feel a great interest in the outcome of the contest and are hoping that Mr. Olson will be able to bring first honors to this institution. Towards this end he has labored not so much that the honor might come to him personally but that the institution might have the distinction. For this we are under obligations to Mr. Olson for the efforts that he is taking in our behalf. There is one particular and fitting way by which we can show our appreciation. We can attend and stimulate our contestant by our presence. The contest being off our own grounds they may be an inclination on the part of some to take less interest in it because of this. If the contest were to be held in a distant city many would in all probability be justified in not attending. But since it occurs here in the city and within easy reach of all there are none of the A. C. people that should stay away. Our whole aggregation should be there. Our mere presence may be the means of turning the tide in our favor for it is a well known fact that when any contestant feels that he has a mass of friends behind him and expecting good results from him that stimulates him to his highest efforts. Without this stimulation a contestant cannot help but feel more or less depressed. Again let every A. C. student attend the Oratorical contest.
 What has been said above applies equally to the coming debate. Here again, the student body and faculty need to show their appreciation of the painstaking effort that these teams have taken.

The Outlook recently contained an article on a long view of life, the contents of which is worthy the perusal of our fellow students who are yet in the formative period of their lives. In part it says, "a man fixes his place in life by the amount of time and work he is willing to put into preparation for larger tasks and greater responsibilities. In this country few young men need to be urged to work harder; for work already fills an immoderate and excessive portion of the time of most Americans. But young men and older men in this country need to be urged to plan their work on longer lines and to do it with greater intelligence. One of the most interesting directions which scientific experiment is taking to-day is that of intensive farming; this means, not adding acres to acres, but doubling and quadrupling the yielding capacity of the acres under cultivation. And this is supplemented in the business world, especially in the great industries, by the scientific management of business, the end of which is, by more intelligent methods of work, to reduce the labor and at the same time greatly increase production. These two principles every young man ought to study: how, without additional work, he can get more effective work out of himself; how, without the expenditure of increased force, he can make himself more fruitful.
 The vital defects of the young man who plans his work for the day instead of the decade is that he works like an artisan instead of like an artist; he does what is set before him and obeys orders instead of looking ahead and making himself an expert. He does not apply ideas to his work, but pursues it in a routine fashion, without individuality of method. The problem which the young man who is to be successful, not only in the practical but in the nobler and fuller sense of the term, must face, is to reduce the expenditure of physical and nervous strain while increasing his productivity and bringing out of himself the finer fruits which scientific methods have developed. There is an en-

ormous undeveloped force in the human race that some day, by more thorough training and more intelligent use of faculties, will be at the service of humanity. As we are now drawing energy from the air and earth to do the work and carry the burdens of humanity, so some day we shall draw from the unused and ill-directed capacity of men a finer and greater efficiency. The end of life is not to toil like a slave, but to work like a free man, with a vision of what one means to do with one's life, with intelligence of methods, with concentration of power.

At 9 o'clock last Friday almost all of our students who could get away boarded the car for the N. P. depot so that they might be there to see Ex. President Roosevelt who passed thru Fargo that day. When the car reached N. P. Avenue the train to which the lion hunter's private car was attached was already there. This made everyone hurry to get there so that they might hear the talk by the Ex-president from the rear platform. Most all went down Broadway at a pretty good clip in the hopes of being there first but they discovered that his private car was way back on the end of the train, which was a double header thus leaving this car quite a ways from Broadway. The sprinters settled down to a quarter-mile pace, got there in time to hear at least a part of Teddy's talk. "Dutch" was the winner for he arrived in time to hear the whole speech and had so far recuperated that he caught every word and can now give the whole speech, grin and all.

After a period of inactivity due to inclement weather for almost a week Robert was seen strolling up toward 7th avenue last Friday evening.

A crew of men are now at work raking off the barnyard manure which was spread on part of the campus, between the library and Science Hall. This will greatly improve the looks of the campus as the sight of all this litter was not conducive to any great aesthetic feeling. The good results, however, are already noticeable as the grass is coming up very nicely on this part of the campus and promises to be a beautiful mass of green as soon as the weather warms up sufficiently.

Thursday of last week, Prof. Weeks paid Supt. Edwards and the Moorhead High School a visit. While there the manual training department was inspected and the work carried on at this place was such as to very favorably impress Prof. Weeks.

Miss Marion Alm of Hankinson is spending her Easter Holidays with her sister, Miss Beatrice.

Miss Ethel Walker returned to Ceres Hall last Thursday and has again resumed her school work.

Miss Sadie Barrett was a pleasant visitor at Ceres Hall last Friday.

Miss Sadie Kohler journeyed to her home at Little Falls, Minn. last Friday to spend a few days vacation.

The first devotional meeting of the Y. W. C. A. was held last Friday afternoon at 3:40 in the gymnasium of Ceres Hall. A very interesting talk was given by Miss Luly Cockburn on "The Three Great Missionary Forces—Money, Men and Prayer."

The interest in the missionary sewing is increasing greatly of late. Last Saturday afternoon they met with Miss Alice Tibert.

Miss Hoag a Senior at the Fargo High School was visiting classes with Alice Tibert Thursday morning.

Floyd Boucher who was a student here two years ago is back for work this spring and also intends to come back next fall. This is good news for the football men as Boucher was one of the star players at Fargo High before he graduated from that school.

In last weeks Forum it was noted that Mr. Paul J. Gwyther was joined in marriage to Miss Blanche Marquart, both of the town of Gwyther N. Dak. Mr. Gwyther will be remembered as being an old A. C. student having attended here some four or five years ago.

John Coonen of Green Bay Wisconsin spent a day with Prof. Arvold his former classmate last week.

Quite a number of attractive posters have been sent out by the department of oratory to the high schools of the state to call their attention to the coming track meet and declamatory contest which will be held here this spring.

Fortune Martineau has been having a pleasant visit from his mother and father of St. John and from his brother of the University.

The Iowa legislature appropriated \$350,000 for its State Agricultural College. \$230,000 was given to the State University and \$150,000 to the State Teachers College.

Physicians and Surgeons.

Drs SORKNESS & CARPENTER
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 Edwards Bldg., - Fargo, N. D

DR. E. E. BASYE
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Dr. W. R. Addison.
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 Rooms 6-12, 1st National Bank Block
 Telephone 363-L

Dr. E. McCarten
 Dentist
 de Lendrecie Blk. - Phone 803L
 Fargo, - - - - - N. D

DR. H. L. STARLING
 Dentist
 Office: Room 5 De Lendrecie Blk
 Fargo, - - - - - N. D

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 Dentists
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 62 Broadway, - - - Fargo, N. D

Dr. J. E. Frenette,
 Dentist.
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DR. H. C. GREEN, Dentist, No. 10
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 The Pure Food Kind

The North Dakota Agricultural College

FOR COMPLETENESS OF EQUIPMENT AND FACILITIES FOR INSTRUCTION IS UNSURPASSED IN THE NORTHWEST

The College Department offers Ten full Courses viz:

AGRICULTURE BIOLOGY HOME ECONOMICS EDUCATION CHEMICAL ENGINEERING	CIVIL ENGINEERING MECHANICAL ENGINEERING GENERAL SCIENCE PHARMACEUTICAL CHEMISTRY VETERINARY SCIENCE
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These courses are available to those who have completed the equivalent of a good High School Training.

For those who have not had such a training

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PERSONALS

A number of the Y. M. C. A. boys have organized a class in Mission Study. They will read Mott's Decisive Hours of Christian Missions. It met last week for the first time this term and will meet every Monday the rest of the term. Prof. Smith is the instructor for this class. This is separate from the regular bible class which meets every Sunday in the boys dormitory and is led by Prof. White.

Miss Sadie Barrett and Miss Treen both of the University were library visitors Thursday. Miss Barrett as many of our students know has charge of the cafeteria at the University, while Miss Treen is manager of the boarding department at that place.

Messrs McMullen and Johnson of Valley City were College visitors Friday and spent considerable time visiting in the Physics Laboratory at this place. These gentlemen were on their way to Grand Forks to be in attendance at the meeting of the Academy of Science.

Some of the Senior class are at present employed in conducting electrical tests on storage batteries. Old storage batteries are being reconstructed and a study is being made as to how much electricity they can be made to carry. This is proving to be of considerable interest to the class.

Thomas Baker Jr. and Co. a well known Fargo firm have recently donated the engineering class with a complete set of underwriters rules for specifications of household electricity fixtures.

The Thief River Falls High School has run across a copy of Prof. Keene's new book, Mechanics of the Household. They write that they want to adopt this as a text in this line.

Mr. Hagen, the first clarinet man, of Concordia College was a band visitor Monday and sat in with the boys. Friday Mr. Horner of Fargo was also a band visitor and took a place in the concert section.

The friends of Odin Stenejhem will not be pleased to hear that he will not be able to finish his work during the spring term. In a measure however, Mr. Stenejhem is to be congratulated having been notified recently that his contest claim has been upheld. He has been notified to take possession of the claim immediately. Mr. Stenejhem's claim is situated about 30 miles south of Williston and is said to be a good one. Stenejhem will be particularly missed both in band and in the orchestra, where he carries the solo cornet part. His place cannot, during the spring term, be filled in the band, in the orchestra his place will be occupied by Ray Boyd.

Donald Dike left Saturday morning to take up his position as landscape gardener at the University.

All along the line preparations are being made for the coming commencement. The College Orchestra is among those that are at work for this event. During the winter this organization met but once per week, but from now on two rehearsals are held per week, one on Tuesday and the other on Thursday.

The class in surveying have thus far been unable to get outside for this work. Owing to the general outward conditions underfoot, they have been obliged to confine themselves to indoorwork. They expect within a week to get out doors and for the remainder of the term spend this period in the open.

Prof. Gunness of the Engineering Dept. has recently designed and built an apparatus for determining the deflection of beams in the testing machine.

One of the present Senior Engineers, Lars Welo has recently designed and is at present building a grinder attachment to be used on the big American planer. The special call for this attachment was due to the fact that the forge shop wanted to face off the tops of the forty anvils in the shop. By means of this attachment the hardened surface of these anvils is easily brot back into a true surface.

Mr. Erickson is completing a collection of exhibition samples of lubricants which are used as illustrative material in the discussions of this subject. One of the recent collections comes from the International Acheson-Graphite Co. of Niagara Falls.

Mr. Elmer Bull in charge of the Manual Training Department of the Larimore High School was a College visitor during the week. Mr. Bull is an old school mate of Vern McCall's, both having attended the Kansas A. C.

New calls for graduates from this institution continue to arrive. Pres. Worst recently received a communication from the Farmers Advocate a farm

publication, published at Winnipeg, wanting a graduate agriculturist to take position with them as an associate editor. However, this request comes perhaps a little too late for the institution to supply, as the present Senior Agricultural men have other attractive positions in view.

Miss Donaldson of the Domestic Science Department has been enjoying a visit from her sister who is a student at the University of Wisconsin. Mrs. Ladd entertained in her honor last Tuesday. Miss Hoover entertained for her Wednesday while Mrs. Trimble gave a party in her honor the following day.

Dr. J. M. Gillette, Professor of Sociology at the University of North Dakota, visited with Prof. Weeks Saturday. Dr. Gillette is an old time friend of Prof. Weeks both of them having served at the same time on the faculty of the Valley City Normal.

If anybody suspects for a moment that there is no glee club on this campus they are badly mistaken. At present there are two such organizations on the campus which are very active for both the boys and girls glee clubs are practicing regularly this term and are doing excellent work. This is something unusual as in former years we had no girls glee club at all and the boys glee club usually suspended operations at the end of the winter term. Miss Grasses is leading the young ladies and Prof. McArdle is instructing the young men.

Pres. Worst has recently been engaged to deliver an address at Fort Totten before the industrial school at that place. The address is to be given May 5th. This school is one that is maintained by the general government and has an attendance of 350 pupils. One half of the time of the pupils is taken up in recitation and general school room work while the remaining half of the day is devoted to industrial work either on the farm or in the shop. The idea here carried our products gratifying results and is a type of education worthy of imitation everywhere. From this strictly agricultural industrial school over ninety percent of the pupils return to the farm.

Prof. Erickson is collecting a fine collection of injectors for instructional purposes. A fine assortment arrived recently, consisting of three different types representing the Automatic, Positive, and Auto-Positive. These models are mostly of brass and so sectioned as to show the internal mechanism and workings of these devices. More models are expected in the near future, and their arrival will further facilitate the teaching of Steam Engineering.

The Spectrum realizes that its mission in life, is the conveyance and distribution of reliable and accurate news. But its field of usefulness extends further than this, for it must with severe denunciation, instantly halt detrimental news. This news is generally of the gossipers type, and under this last we use space to denounce, scold, annihilate, ostracize, criticize, rebuke, condemn and disapprove the person who so feloniously started the news that the crack squad had to postpone their dance because their leading light and advisor couldn't get a partner for the function couldn't get a partner for the function ten times.

Perish the thot, you are entirely wrong. The postponement was not necessary from any affairs of the crack squad. The fault lay entirely with the lady in question. She was desirous of wearing her Easter Bonnet to this occasion, but it didn't arrive. The hat is to be of a New York pattern, with a model flower garden and an up-to-date rose water sprinkler, together with beautiful walks and shade trees with a zoological garden in the rear, containing a beautiful mansion for the caretaker. On the left was to be a military square and a rifle range. This hat was waylaid as the lightning freight, specially chartered for its safe delivery, was wrecked last Saturday, when entering the yards in the suburbs of Dilworth. It was fearful in the extreme. The hat was completely wrecked. The roof of the mansion killed the zoological seal. The kitchen was set in the front yard. Trees were torn up by the roots killing many sparrows which had started to nestle in their branches. The cement walks were upheaved and displaced so that the holes for port of entrance for the golden hat pins were covered. The beautiful flowers now decorate many Dilworth inhabitants. The fragments, all but the military square, which was presented to the A. C. for an athletic field, were carefully boxed and returned to New York where a special force of skilled gardeners and masons are now at work to reset its disassociated beauty. It will arrive in Fargo on the 26th, so that the Crack Squad dance will be on the 28th. This is the inside story of the reasons for the postponement of the dance. Other stories may contain some truth ofr this one doesn't.

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Academy Of Science Meet A Big Success

LENGTHY PROGRAM GIVEN AT THE UNIVERSITY. NEW OFFICERS CHOSEN. WILL MEET AT A. C. NEXT YEAR.

Quite a number of our faculty so-journed to Grand Forks Saturday morning to take in the meeting of the North Dakota Academy of Science which met at the University. Many of them took part in the program which is given below.

Lynn B. McMullen—
The Development of Tone Sense in Children.

Calvin H. Crouch—
Some Experiments with North Dakota Lignite.

T. D. Beckwith—
The Bacteriological Cause of the Reddening of Cod Fish.

E. F. Chandler—
The Unnecessary Use of Verniers.

M. A. Brannon—
The Biological Station at Devils Lake.

M. A. Brannon—
Fasciation.

A. G. Leonard—
Some of the Geological Features of South Central North Dakota.

Herbert A. Hard—
Irrigation for North Dakota.

Howard E. Simpson—
Some Features of the Glacial Drainage of the Devil's-Stump Lake Region, North Dakota.

Herbert F. Bergman—
Notes upon Certain Forms in the Flora of North Dakota with Reference to their Interpretation as Ecads.

O. A. Stevens—
The Progression of the Flowering Season.

J. Marsh Brannon—
Notes on Glycyhiza.

Alfred Eastgate—
The State Biological Survey.

Prof. Shepperd had prepared a paper on The Correlation of Fertility, Moisture, and Yield but was unable to be present so his paper was read by Prof. Waldron, the president of the society.

Up to this time the membership has been confined to those engaged in the physical sciences but at this time was slightly changed so those who are interested in other kinds of scientific work can also be admitted thus materially increasing the membership of the society.

The following officers were elected for next year:

President—Lynn R. McMullen, Valley City, N. D.

Vice President—H. F. Bergman, Fargo, N. D.

Secretary Treasurer—G. A. Abbott, University, N. D.

Executive committee—M. A. Brannon, University, N. D.; J. H. Sheppard, A. C., Fargo; and E. F. Chandler, University.

All the officers elected are men who have taken a deep interest in the work of the science academy and will undoubtedly carry on the work in a worthy manner.

The A. C. was chosen as the meeting place for next year.

Within the past ten days the dairy department has received calls for a number of men skilled in dairying. One call came from the Department of Agriculture asking for a dairy chemist, another from Montana, asking for a dairy expert, another for an icecream maker and in addition seven calls for butter makers. These positions pay from \$65 to \$150 per month, but unfortunately the Department does not have any more men available to supply these calls.

The class in Public Speaking was excused Friday so they might hear Teddy when he passed thru town at that hour.

"It's an ill wind that blows no good". The gloomy weather the past week put a ban on all kinds of campus work or at least took the most of the pleasure out of it. It made Dick hustle to keep things in the usual polish. It interfered with track work, baseball practise and lots of other things but was not without its good results, as there was some inducement to study when there were not so many things to do. In fact it was difficult for any but members of the Agassis and the Spectrum Staff to offer any satisfactory excuses for not studying. Who says jobs in these staffs with all their trouble are not a good thing?

Mrs. Ash was a guest of the East-gates last Wednesday evening at tea.

Columbia University has the largest enrollment of any college or university in America, 7,958 being enrolled.

Harvard is offering a course in the technique of printing. Visits to printing shops to study the work there will be made in connection with the course.

Weeks Discusses Two Uses Of Knowledge

Prof. Weeks of the Department of Education last Thursday delivered an address at the Moorhead High school on the subject, "Two Uses of Knowledge" Prof. Weeks said in part.

One use of knowledge is to satisfy curiosity. We want to know about many things just to satisfy the desire to know. The child, the college student and the man advanced in years show varying degrees of curiosity. With some people curiosity, especially about neighborhood matters, becomes so acute as to be painful.

To a certain extent education should recognize the desire to know about everything in the world. The child has a right to know what kind of a world he lives in. But as the early years pass the need arises of knowing special kinds of knowledge which lie along the path of the individual's daily welfare.

Students need to know much more about the nature of the different occupations that they may wisely choose a calling. Of several hundred men to whom inquiries were recently sent, 95 per cent replied that if they were to begin life again they would choose a different vocation. More instruction is needed as to the choice of a vocation.

Then, too every person leaving the schools should have acquired such knowledge as is required in following a vocation. There should be no unskilled laborers anywhere. All labor should be skilled labor. The supply of hoboes and transients should be cut off by educating everybody to do something well. The schools are merely at the beginning of the development of a work which civilization requires.

The failure of education, as thus far developed, to provide the public with an adequate supply of vital information is self evident. Nearly three-fourths of a billion dollars is annually lost in the United States thru bad investments. Ignorance of business and too great credulity cost heavily, especially affecting small investors who can least afford to lose. One swindling concern was found last fall to have a long "sucker list". How would we feel to find our names written there? \$20,000 was recently found in one day's mail of a firm that sold fake stocks. Education should protect the public by more pointed teaching.

The schools should feel ashamed over the fact that the public, whom the schools have instructed, should be such easy marks for makers of adulterated textiles and foods and patent medicines, and for short weight dealers. It is estimated by the Bureau of Municipal Research of New York City that \$13,000,000 is lost every year by consumers in that city from short weights. This sum would give 1000 families an annual income of \$1,300 each.

Teaching how to avoid ill health is as yet inefficient. Typhoid fever should be made as rare as small pox. The schools have much to do to collect vital knowledge and organize it for school purposes. New lines of study, merely hinted at above, should come into the curriculum. And on the other hand obsolete and relatively useless learning should be progressively eliminated.

With this view of education, the educator becomes the central figure in redeeming society from the sufferings, losses and hardships which are due to ignorance and which afflict every family and every neighborhood.

It was a fine collection of Easter flowers that an Express Company conveyed to Miss Mikkleson, Sunday.

The camera enthusiasts were out in numbers Sunday.

"Dutch" and Colley were much impressed with the beauty of the scenery about the campus, Sunday.

Supt. Tibert is drawing up the plans for a new residence to be erected some time this spring.

Almost all the material for the Agassis is now in the hands of the printers while the rest will be sent before the end of this week. The Agassis board has been working early and late with the annual now for some time so will feel quite relieved from the time the material is all sent to the printer until it is ready for distribution from which time they can hope for no peace the rest of their college days if some of their victims have anything to say about it.

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