

THE WEEKLY SPECTRUM.

Official Publication of the Student Organization.

VOL. 15. Number 15.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY JANUARY 19th, 1909.

PRICE 5 CENTS.

A. C. Divides Honors With V. C. Normals

Visitors Carry off Laurels in Girl's Game but by a Meager Score.

A. C. BOYS HAVE WALKAWAY

The Spectators Were Literally "In the Dark" During the Girl's Game.

Both victory and defeat met the A. C. basket ball teams last Saturday evening when the Dak-Ko-Tah Armory was invaded by the pedagogues of the Sheyenne Valley. The final scores were: Girls A. C., 11, Valley City, 12; Boys, A. C., 36, Valley City 19.

The girl's game was a feature of the evening. Fast playing throughout and a show of team work on both sides characterized the game. Few fouls were called in spite of the close guarding and the resulting unavoidable roughness. At the first the Aggies seemed to have a walkaway, but as the visitors became more accustomed to their surroundings they regained what they had lost and retained a lead of one point to the end.

For the A. C. Heidner, McKee, and Doleshy starred the latter having unusual hard luck in finding the baskets. Miss Kee's work at guard was excellent and Miss Stafford showed well up against her stronger opponent.

Points for the A. C.: Heidner 2-2, Doleshy 2, McKee 2-1-1. Points allowed, Heidner 1.

A. C.	V. C.
Heidner	Persons
Doleshy	rt. f. Cook
McKee	lt. f. Marsh
Kerr	rt. g. Hill
Stafford	lt. G. Lenesen

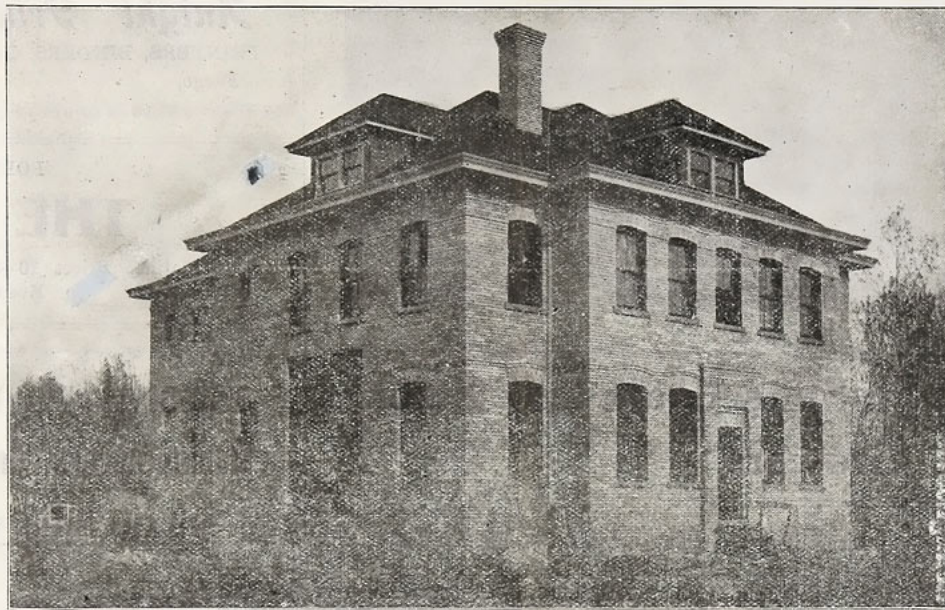
In the Dark.

The lights went out and the gym. crowded to the very lines of the court with spectators, was plunged into total darkness amid the joyous cries of the gallery gods who always welcome diversion from the ordinary. During the few minutes that followed while the trouble was investigated a half a dozen matches and one lone lantern dimly lighted up the great hall and the pathetic strains of "I am afraid to go Home in the Dark" from Dr. Putnam's cornet called for quiet and the entire crowd joined in the chorus. It was, however, with the magic strains of our "Alma Mater" that the lights appeared again and the game proceeded.

Boys Game.

The boys game was one sided for the A. C.. Individual work on the part of our boys was striking but there was still room for improvement in the team work on both sides and especially with Valley City. Valley City failed frequently in the trying for baskets and in this department they were greatly outclassed by the A. C.

Kent Darrow starred at forward and was closely seconded by his brother "Pewee" at guard. Clark



Experiment Station. Seed House.

The most conspicuous of the new buildings that have appeared on the campus during the summer is the much needed seed barn which will in the future increase the efficiency and amount of work to be done on the experiment station.

It is an acknowledged fact that for work in plant breeding it is essential that not a particle of one variety should become mixed with the others and this is just what this seed house will prevent because the zinlined bins will prevent the kernels of grain from adhering to the sides from season to season and prevent mice and rats from entering so that no seed is

destroyed or carried to other varieties. These bins are in fact everything but fool proof for it is not known that these rodents have any instinctive dread of going thru open doors.

The structure is located a short distance northwest of Francis Hall and is a two story and a half and basement structure with a total capacity of 8,000 bushels and will cost about \$10,000. The basement which is arranged for a root cellar is divided into several bins which are all convenient so that they may be easily filled. On the first floor is a gangway through the entire building which is large enough to allow a grain tank to pass. In the gangway is a five ton wagon scale and close to it a little

on one side is an elevator which makes it comparatively easy to handle material between the different floors. In addition there is on this floor an office, treating room, and a number of bins of two hundred and fifty bushels capacity

On the second floor there are two large drying rooms of two hundred to four hundred bushels capacity and about 15 bins holding from ten to thirty bushels each and a cleaning and assorting room equipped with the best cleaning grading machinery. The attic floor will be used as a general assorting room. This seed house is the only one of its kind in the United States and was designed and constructed by Mr. Tibert.

LIVE STOCK ASSOCIATION TO MEET IN FARGO

Program and Meat Demonstration
Thursday.—Banquet at
Pirie's Hall Wed.

The annual meeting of the North Dakota Live Stock Association will be held this year in connection with the Tri-State Grain Growers' Convention. The program of the Convention on Thursday, Jan. 21, will be devoted to live stock interest. The chief feature of the program of that day will be a meat demonstration by John Gosling. Mr. Gosling is a man of national repute in his line and will be remembered by many of our students, he having given a meat demonstration at the College last winter in addition to being one of the judges in the stock judging contest.

The annual banquet of the Live Stock Association will be held in Pirie's Hall Wednesday evening of this week. This will be followed by the regular business meeting of the Association. A large number of prominent breeders of live stock throughout the state are expected to be in attendance. Professor Richards who is Secretary of the Association is sparing no pains to make the meeting this year the most successful in the history of the Association.

A. ASSIZ MANAGERS SAY "GET SHOT" NOW

Arrangements Made and Pictures
Will Be Taken at the
Dewey Studio.

The time has come for the pictures to be taken for the Agassiz which is to be published this year by the class of 1910.

All classes, organizations, and others who want their pictures in the annual will please have them taken at the earliest possible date.

The business managers have made arrangements with "The Dewey Studio" to have the pictures taken there; the Studio is on the second floor over Stern's store.

We wish all would have their pictures taken at this place as we can get rates there that will make the final cost much less to each organization or class, with a guarantee of having all of the pictures 1st quality. We ask the officers of the classes and organizations that the organizations have their pictures taken at once. Those who have their pictures now please hand to the managers at once.

Very Truly Yours,
DARLING and McKINSTRY,
Business Mgr.

Monday Notes.

The Agassiz managers say all pictures of individuals, classes and organizations must be taken this week.

Prep Course Revised And Harmonized

Another Year Added and College
Admission Requirements
Materially Raised.

A "Model" Agr'l. High School.

Six of Academic Courses are
Made Preparatory to the
College.

As it once existed it is no more. This may be said of the Preparatory course of the College. The recent sweeping alterations in this and other academic courses offered by the College has now been made public and they involve, in brief, the establishment of an agricultural and manual training high school with six courses or groups of study to any one of which a student may elect and on the completion of which a certificate of completion will be granted and the student will be eligible to enter the College Courses.

The course as outlined will keep the student busy for three years and in the opinion of the committee that drew up the same, except for the more mature and the students with the best training in the grades, it will take four years. In outlining the course the committee has done so, keeping in view the conditions confronted in the high schools throughout the state and only subjects of a technical nature were included which could be taught by graduates of an agricultural college, the idea being that it would serve as a model on which proposed agricultural highschool courses may be built up. This course materially raises the requirements for entrance to the College. In the future forty-two term credits or the equivalent thereof will be required.

The six groups of study that are outlined are as follows: Agricultural group. Commercial group, General Science group, Domestic Science group, Steam Engineering and Manual Training groups and Teachers group. The six courses vary only as the names would indicate. Subjects of a general nature, such as English, languages, and mathematics vary but slightly in each while the scientific and technical subjects fit the names. For instance in the Agricultural group the sciences upon which the stress is laid are applied agriculture, agronomy, entomology and horticulture, biology, and chemistry; while in the commercial group these subjects left out and commercial work substituted. In general, this is the plan that has been followed in outlining the entire schedule. A student electing into any one of these courses will be required to continue the same except that he may secure permission to take other subjects by special action of the faculty. On finishing any one of these courses the student will receive a "Certificate of Completion" of the same.

(Continued on Page 8)

Basket Ball. F. C. vs. A. C. Saturday Evening. A. C. Armory. Be There



A Typical Dakota Grain Field

Convention of Tri-State Grain and Stock Growers.

Reception to All Delegates Planned by College for Wed. Evening.

BAND CONCERT FRIDAY EVE.

Strong Program and Many Features That Agr. Students Should Not Miss.

This morning at ten o'clock saw the opening of the tenth annual convention of the Tri-State Grain and Stock Growers Association in the Fargo Opera House. The address of welcome by R. C. Lewis of Fargo, a discussion upon good roads by T. R. Atkinson, State Engineer, and an address on farm homes by Mrs. Addie Howie of Wisconsin, featured the morning's program.

Below we print in full the program of the week beginning at 1:30 p. m. today.

How to Make Good Roads, from Prairie Dirt, Departments of Good Roads, Washington, D. C.

Relation of Humus to Crop Rotation—Dr. Briggs, Department of Agriculture, Washington, D. C.

Presidents Address: The Agricultural Outlook—J. H. Worst, Agricultural College, North Dakota.

The Land Where the Farmer is King—Prof. A. G. Arvold, Agricultural College, North Dakota.

ROTATION OF CROPS.

Wed. Jan. 20—10:00 A. M.

a) Part that Wheat and Other Small Grains Should Occupy in Crop Rotation—T. A. Hoverstad, Supt. Farmers Institutes, North Dakota.

b) Part Cultivated and Leguminous Crops Should Occupy in Crop Rotation—T. A. Hoverstad, Supt. Farmers Institutes, North Dakota.

Wed. 1:30.

c) Place Live Stock Should Occupy in Crop Rotation—Professor Andrew Boss, St. Anthony Park, Minn.

Reading in the Farm Home—Dr. Max Batt, Agricultural College, North Dakota.

Federal Inspection, Weighing and Grading of Grains—Hon. P. J. McCumber, North Dakota.

RECEPTION AT COLLEGE

Wed. 8:00 P. M.

Reception at the Armory, Agricultural College Campus. Delegates and their wives are cordially invited to visit and inspect the buildings of the College Wednesday evening at 7:30 o'clock. After the inspection of the buildings a short reception will be held in the College Armory. At this time music will be furnished by the cadet band. The speaking of the evening will be by the students and among those who will address the visitors will be Miss Sadie Barrett, Mr. Edwin Traynor, and Mr. William Lanxon. For the guiding of the guests through the buildings the college is appointing ushers from among the students of the various departments.

LIVE STOCK DAY

Thursday, Jan. 21—10 A. M.

1. Creamery Construction and its Relation to the Dairy Industry in North Dakota—R. F. Flint, Assistant Dairy Commissioner, Bismarek, N. Dak.

2. Preventable Diseases of Livestock—Dr. L. Van Es, Agricultural College, North Dakota.

3. How to Care for the Brood Sows During the Winter—H. O. Tellier, Field Representative of The Farmer, St. Paul, Minn.

Thursday, 1:30 P. M.

1. The Type of Beef Animal the Market Demands—John Gosling, Kansas City, Missouri.

2. Raising Beef Cattle in North Dakota—A. J. McInnes, Dazey, N. Dak.

3. The Future of the Draft Horse Business—H. G. McMillan, Rock Rapids, Iowa.

Discussions led by Donald Campbell, Hannaford, N. Dak.

Thursday, 8:00 P. M.

Meat Demonstration conducted

by John Gosling, Kansas City, Mo.

Banquet and Business Meeting of the North Dakota Live Stock Association, Wednesday evening, Jan. 20, 1909.

HORTICULTURE AND FORESTRY.

Friday, January 22—10:00 A. M.

1. Forestry Education the Basis of Forestry—Professor S. B. Greene, Minneapolis, Minn.

2. The Present Basis of Small Fruit Growing in the Northwest—Mr. Fred Heath, Fargo, North Dakota.

3. The Making of a Landscape—Prof. C. B. Waldron, Agricultural College, North Dakota.

Friday, 1:30 P. M.

Report of Committees.

2. Election of Officers.

3. Our Soils—Arthur Murphy, Orr, N. Dak.

4. Agriculture in the Common and Secondary Schools—Prof. M. J. Abbey, Normal School, Mayville, N. Dak.

5. Address—W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C.

Friday, 7:30 P. M.

1. Concert by North Dakota Agricultural College Cadet Band, 7:30 sharp to 8:30.

2. The Profession of Homemaking—Miss Margaret McCarty, Instructor Domestic Science, N. D. A. C.

3. Increasing Farm Products—W. M. Hays, Assistant Secretary of Agriculture, Washington, D. C.

Corn Show.

The North Dakota Corn Show will be held in the Opera House Annex during the Grain Growers' Convention this week. The display will be a large one and will consist of exhibits of apples and corn. Already thirty-five exhibits have arrived, fifteen of which come from the editor of a local them from different farmers in his locality.

Same Old Squabble.

The Evergreen on last Tuesday, contained a strong editorial on complaint of unsportsmanlike attitude, as it was termed, of Whitman, Idaho U., and the University of Washington. They also claim to have in their hands evidence which shows that Eakin and Mue-

kleston of the U. of Washington are ringers.

This is the same old after-football season story, a squabble about the championship and who had the most ringers.—O. A. C. Barometer.

New Student to Anderson:—"Have you any relations at V. C.?"

Anderson:—"No."

N. S.:—"I thought perhaps you had, there are some people by the name of Anderson out there."

THE MINT RESTAURANT.

The best Eating House in the City.

120

Bradway.

Davies & Wade,

BAGAGE, FREIGHT AND PARCEL DELIVERY

Moving Vans and General Storage Telephone 1416J 15 & 17 Roberts Str.

HEAVY HAULING A SPECIALTY.

Fargo,

North Dakota.

Knight Printing Company,

PRINTERS, BINDERS, LA W BLANK PUBLISHERS

Fargo,

North Dakota.

POLITE VAUDEVILLE AT

THE GRAND

Matinee Prices 10—20c every Afternoon and Evening.
Evening 10—20—30c

STONE PIANO COMPANY,

Manufacturers, Importers, Publishers.

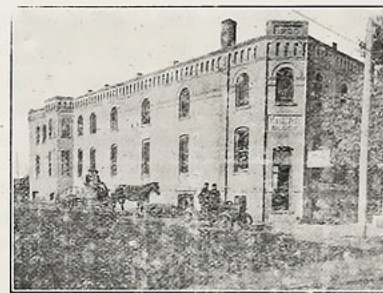
EVERYTHING KNOWN IN MUSIC

Fargo, N. Dak.

Est. 1894

HERE -- BOYS!

For the Sporting News you must read *The Daily News*. The only Sport Page in the state.
40c Per Month—Seven days a week. Phone 1402 and 1826.



The Knerr Creamery

Pays the Highest Cash Price for Cream.

PROMPT RETURNS A SPECIALTY

Write Today for Shipping Tags and Information

The Knerr Creamery

Fargo, N. D.

The largest and most modern creamery building in N. Dakota

School Supplies

Mechanical drawing supplies of every style and design at prices that talk to your pocket-book.

Post cards and Postal Novelties, largest stock in town and we are open evenings.

We do printing of all kinds, on short notice.

NORTH DAKOTA BOOK & STATY. CO., 70 Broadway, Fargo.

Back again.

Did you ever experience a thrill of the kind
That you felt when at college once more.
You stood at the corner, the city behind,
And the dear A. C. campus before
You saw looming up neath the bright autumn sky,
(It's base all surrounded by trees)
Old Administration, its flagpole on high,
And "Old Glory" unfurled in the breeze.
'Twas then you quickened your foot steps with pride
Your heart beating time or the way;
And some memories would come with each stride,
And you couldn't but shout and say:
Back, back, I'm glad to be back,
I'm back to old A. C. again.

Did you ever experience that thrill of delight
That you felt when the yellow and green,
By strong hands upheld in a spirited fight
To be carried to victory was seen,
'Twas then that you joined in that loud swelling cheer
Till its last fading note died away,
And you thought what an honor it was to be here
And be able to shout and say:

"Back! back! oh boys, I am back!
I'm back to old A. C. again!

A Returning Student.

HUBERTZ

ELECTRIC LIGHT STUDIO

Photographs Taken by Day or Night : : : :

RATES TO STUDENTS

Try Our Picture Postals at BIJOU THEATRE : : :

Dean Ladd Talks on "Business Integrity"

Universal Education a Factor in Shaping of a New National Life

LEARN TO KNOW THYSELF.

The Freedom of College is Granted That You May be Strong.

E. F. Ladd, Dean of the Department of Chemistry, was the speaker yesterday at the second convocation of the year. Diverting from the usual method of "shop talk", Professor Ladd chose the subject of "Business Integrity".

"Business Integrity means Character in the fullest sense of the word. Its meaning is at times perverted according to the sentiment that prevails in a community or among the people of a nation. Business integrity is shaped largely by the leaders of business and to a considerable extent by the policy of the people or government.

"In looking back over the past twenty-five years one can not but feel that the trend of business methods have been at a low ebb. Too often in the past the national policy has been determined by the few who would benefited either directly or indirectly. They have thus shaped legislation to promote the ends sought but the awakening that has sprung up among our people during the past few years leads us to feel that the pendulum has swung to its limit and that the power of wealth centralized heretofore in the hands of the few, is to be again in some measure returned, or at least diverted to the people. Corrupt corporate interests have sought the employment of some of the brightest minds that could be found in the various lines, and too often when once brought under the influence of these interests they have come to feel: "the ox knoweth his master and the ass his master's crib". They must worship the golden image of a

Nebuchadnezzar as set up in business methods.

"The guiding principle which ought to govern the relation of men with his fellow-men, or nation with nations in all social, political, and moral questions which constantly confront us is to seek an after truth. We should not forget that character building should be the great ultimate aim in all education, but character building should go hand in hand with other essentials of a successful life and one of these is learning to know thyself. In learning to know thyself there comes a personal responsibility, a feeling of selfreliance and an independence in individualizing one's self from the mass, and determination to stand upon one's own feet. Until this times comes one is not a true man and doesnot grasp the first essentials of a successful life.

"Quietly and steadily the few men possessed of the business integrity for the shaping of a new national life are leading us on to higher purposes. Universal education has made this possible. Science and invention have changed the face of the universe. This has been made possible by the development of a new type of education which has been promoted by the Agricultural Colleges and schools of science in our own land by working for the masses and not for the few. Values have been changed: standards are being adjusted; view points are shifting, until a veritable revolution has taken place in all departments of life, — political, social, industrial, economic, educational and religious. Even going to college has now a new meaning and carries with it new obligations. Says Dr. Andrew Draper:

"Going to college means at least being set lose from the control of the home and the opportunities to think and do for ones self. It means the chance to gain the power of independant and balanced thinking, under the necessity which is upon the college student to think hard for himself and keep himself straight.

"Going to college means more than we sometimes realize until we have gotten out into the actual battle of life an found where our armour is weak. Then we discover

that the world's history is filled with the story of men who have failed because they lacked either moral sense or the ability to think straight. In other words they lacked true character. We should then seek to mold character that honesty of purpose should become a second nature.

"But you say that we must meet competition; we must meet the conditions as they exist in the business circles. This is true, we must tolerate that we find until improvements may be made. Educated as you are at the expense of that you need to feel the obligation, all the more is it true of the duty of a citizen and instead of arraying yourself on the side of those who are dragging society down, it should be the purpose of uplifting the masses. It is our duty as students to prepare for such responsibilities and then seek positions where the greatest amount of good can be done as leaders in the work which we undertake. All this must come largely through the development that we make and the friendships that we form during our college career and as the result of the influence that has surrounded in the earlier home. It is for this reason that the student is given the freedom of college life. But with this freedom an occasional student may go to the bad. Even tho this be true, it is better than that this freedom should be denied to all.

AM. ASSN. FOR THE ADVANCEMENT OF SCI.

Successful Meeting in Capitol City During Holidays—Prof. Bolley Reports.

Professor Bolley reports the meeting of the American Association for the Advancement of Science at Baltimore during the holiday week as one of the most extensive and successfully conducted meetings that association has ever given. There were, for example, sufficient botanists to demand a division of section G into two sections in order that the papers might all be given and heard, and at the same time that the audience rooms should be large enough to hold the numbers in attendance. Section G, which is the Botanical section of the associa-

BIJOU

THEATRE & PENNY ARCADE
 Fargo's Refined and High Class Automatic, Dramatic and Vaudeville Theatre.
 Performances — 2:30, 3:30, 7:30, 8:30, 9:30 each day
 Entire change of program Monday and Thursday.
 ADMISSION 10c
 Children 5c Afternoons

Dr. A. J. Kaess
 Physician & Surgeon
 Phone 141-L.
 608 Front Street - - Fargo, N. D.

tion, was sub-divided so as to form a sub-section of General and Physiological Botany, and a sub-section of Pathology and its allied ally a journal representing this meeting to form a Phyto-phatological Society of America. Eventually a journal representing this phase of botanical work will be published. It was stated by a noted botanist in one of the addresses that the Plant Pathologists of America had given American botanists a standing second to that of of no other group of scientists in the world, because of, not only the excellence of the investigations in their application to fields of life work, but of their lasting results as well.

A number of noted foreign scientists were present at the meeting, including Professor E. B. Polten of Oxford, Dr. Albrecht Penck of Germany, Dr. Jagadis Chunder Bose of Calcutta, India, and others. Aside from the fact that the general action and each of the biological sections gave a Darwinian symposium devoting the entire periods of Thursday and Friday to papers touching upon evolutionary features and upon the lifework of Darwin. At the close of the meeting the association gave a great Darwinian banquet, at which Professor E. H. Polten addressed the members in attendance. The special meeting was in honor of the 100 anniversary of the birth of Darwin and the 50th anniversary of the publication of the Origin Species. After hearing the numerous addresses directly bearing upon the evolution and its results the hearer could not be convinced that the influence of Darwin upon the modern research is nothing less than that asserted by the most radical believers in his teachings.

LAWYERS

Barnett & Richardson.
 W. H. BARNETT,
 State's Attorney.
 SETH W. RICHARDSON,
 Asst. State's Attorney.
 Lawyers 7-8-9 Morton Block.
 Fargo, - - - - - N. Dak.

Stambough & Fowler
 Attorneys at Law
 16 Broadway, - - - Fargo, N. D.

Taylor Crum.
 Lawyer
 No. 10 Broadway, - - - Fargo, N. D.

Turner, Wright & Lewis.
 Attorneys.
 Fargo, - - - - - N. Dak.

ROB'T M. POLLOCK.
 Attorney at Law
 Stern Bldg., - - Fargo, N. D.

M. A. Hildreth
 Lawyer
 Loan Savings Blk. - - Fargo, N. D.

Glassford & Lacy,
 Attorneys at law, 4, 5, and 7 Savings & Loan Building, Fargo, N. D. Phones: N. W., 675L; Independent, 675.

S. G. ROBERTS
 Attorney at Law
 Henderson Blk., Fargo, N. D.

Physicians and Surgeons.

DR. J. G. DILLON
 Homeopathic Physician
 604 Front St. - - Phone 674L

DR. E. FOLSOM
 Physician
 620½ 1st Ave., No., Fargo, N. D.
 Over Perry Tyner Co's.

F. J. CAMPBELL, M. D.
 Practice limited to diseases of woman. Genito-Urinary and Skin diseases. Office hours: 10-12 and 3-5. Over McDonald Drug Store, Front Str. Phone 799. Front St. - - - - - Phone 729

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

Drs. Sand & Tronnes
 Physician & Surgeons
 Phone 412L - - 10 Broadway - - Fargo

DR. E. E. BASYE
 Osteopath (Fargo Infirmary)
 Established since May 10th, 1897, at 101 Eighth Street South.
 Phone 853 - - - - - Fargo, N. D.
 All curable disases successfully treated without drugs.

OCCULISTS AND AURISTS.

Dr. F. H. Bailey
 Dr. Kachelmacher, Norsk Læge
 Specialists
 Eye, Ear, Nose & Throat.
 Fargo, - - - - - N. D.

J. H. Rindlaub, M. D. Elizabeth Rindlaub, M. D. Martin P. Rindlaub M. D.
 Drs. Rindlaub
 SPECIALISTS
 Eye, Ear, Nose and Throat
 deLendricie Block, opposite N. P. depot.
 Fargo, - - - - - North Dakota

Dr. J. W. Campbell
 Successor to Dr. H. A. Beandour
 Specialist, Eye, Ear, Nose, Throat.
 Edwards Bldg. - - - - - Fargo, N. D.

DENTISTS

George J. Pattison
 Dentist
 Office 56-61 Edwards Bldg.

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

Dr. F. E. Ball Dr. J. L. Graves
 Dr. John R. Cromb
 Dentists
 Rooms 8-12, 1st National Bank Block.
 Telephone 363-L

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

Dr. H. G. Green, D. D. S.
 Over Christianson's Drug Store
 Phone 203.
 No. 10 Broadway - - - - - Fargo, N. D.

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

Dr. F. A. Bricker
 Dentist
 (Successor to Frenette & Bricker)
 Telephone, office 152; Residence 1037
 10 Broadway, - - - - - Fargo, N. D.

Davenport & Christianson.
 Dentists
 Over Northern Trust Co. Phone 667
 62 Broadway, - - - - - Fargo, N. D.

T. H. Sherman
 Dentist
 Edwards Block - - - - - Fargo, N. D.
 Phone 1044M.

WE ARE THE LARGEST MANUFACTURERS OF

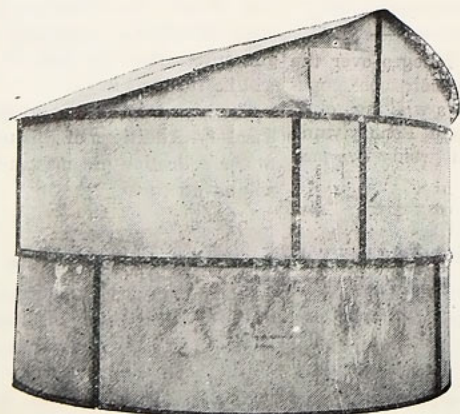
Veterinary Instruments

In the United States



Our 250 page Illustrated Veterinary Instrument Catalogue Mailed free upon request.
SHARP & SMITH
 Manufacturers and Importers of High Grade Surgical and Veterinary Instruments and Hospital Supplies
 92 Wabash Avenue, 2 doors north of Washington street, Chicago, Ill.

GALVANIZED Portable Grain Bin



Capacity 1000 Bushels.
 Built in sections and shipped knocked down, with roof and bottoms complete.
 Water, fire, rust and vermin proof.
 Eight feet high—Grain can be run direct into bin from separator. Can be moved around on farm by use of ordinary skids.
 Write for further descriptive matter and prices to

North Dakota Metal Gulvert Co.,
 FARGO, NORTH DAKOTA.

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.
S. V. Anderson.....Publisher

Entered as second-class matter September 28, 1907, at the post office at Agricultural College, N. D., under Act of Congress of March 3, 1879.

TERMS

One year in advance.....\$1.00
Single copies..... .05

Subscribers are requested to give prompt notice of any non-delivery or delay of papers. All communications should be addressed to *Business Manager* "The Weekly Spectrum," Agricultural College, N. Dak.

EDITORIAL STAFF

Levi M. Thomas.....*Editor*
W. O. Whitcomb.....*Associate Editor*
S. V. Anderson.....*Business Manager*
Cecelia Eyoifson.....*Literary Editor*
Ruby Gibbens.....*Society Editor*
LeRoy Gifford.....*Chief Reporter*
William Mercer.....*Reporter*
Lars Welo.....*Reporter*
Will P. Stapleton.....*Reporter*
Edwin Traynor.....*Reporter*
Edwin Evingson.....*Reporter*
Clarence Waldron.....*Reporter*
Leo Thien.....*Reporter*
Agnes Peterson.....*Reporter*

LOYALTY.

How many times have we heard this word and in how many different ways have we applied it. We are all brought up to be loyal to our parents and to our country and when we come to college one of the first things that we acquire is loyalty to our alma mater. We may not be conscious of this loyalty for the institution which is giving us our education when we first enter, but just the moment that one of our teams meets a like team of another institution, it is then that our hearts quicken and the loyal blood courses through our veins and we are willing to do anything for our college and the team that represents us.

But there is another way in which this word that means so much may be applied. It may not be so extensive and far reaching as the above mentioned, but it is none the less grand and noble than loyalty to our country, our parents, or our College. This is loyalty to the societies and student enterprizes with which we are associated, loyalty to ourselves while we are attending college as well as at other times.

Consider, are we always working for the best interests of the student enterprizes of which we are co-partners, are we working for their success to the best of our ability? Are we treating ourselves as we should be treated, are we giving ourselves a good education and forming good habits and a character of which we will be proud in years to come?

If we are loyal to our societies and ourselves why is it that there are so many members of the societies that show a lack of interest in the organizations and in fact their success and work injury to, them by allowing their names to appear on the roll and refusing to pay their dues and do their part in the workings of the societies? It is because we are not loyal to

ourselves and the societies of which we are members and what is more we are doing an injustice to ourselves. The harm that is done to the individual is far greater and has more a lasting influence than that done to the society, for when the society gets rid of the individual, which it is bound to do sooner or later, it will soon recover and be but little worse for it, whereas the reputation and habits acquired will stay by the individual for years to come unless he turns over a new leaf and throws off these habits.

Fortunately we have but few students of this type at the A. C., but a few can do a great deal of harm. If you are inclined to think that these remarks refer to you, just think over your standings in the societies of which you are a member and the student enterprizes with which you are connected and perhaps you can decide

Remember that to save time is to lengthen life. Keep busy.

This week promises to be a you are going to College.

An icy sidewalk, a slip, a fall, and the roads to us ehrrd rdlu dl a rise, and the pedestrian proceeds down the brick walk at a slower pace.

Now if some of the Professors do break that rule about smoking that is no reason why you should do it.

The A. C. doesn't lack for material in basket ball this year. Some of the subs demonstrated Saturday evening that they too could play ball.

Even as charity begins at home so loyalty finds its nesting place within these sacred precincts. The student who is loyal to his home and parents is the student who is ever loyal to his college.

Next time that the electric light wires are tested we would like to suggest that a time be selected when eight hundred or a thousand individuals are not packed into one of the buildings.

Next Saturday evening will occur the first of two basket ball games with our sister institution across the city. Don't forget to come out with your leather lungs. We must win this game, and we will, but be there to do your part.

One thing that certainly should be absent from intercollegiate games is all wrangling of officials and interested parties. A dignified protest may at times be necessary but certainly nothing more. Such occurrences are not a part of sportsmanship and are far from being commendable.

Don't be afraid to call at the Spectrum office. The manager has

The North Dakota Agricultural College

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

The College Department offers five full Courses viz:

**Pharmaceutical Chemistry,
Mechanical Engineering,
Civil Engineering,
General Science,
Agricultural.**

A Department of Education to train Teachers Has Been Organized.

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

The Academic Department Offers:

TWO YEAR PREPARATORY	THREE YEAR DOMESTIC SCIENCE
TWO YEAR STEAM ENGINEERING	THREE YEAR PHARMACY
THREE YEAR FARM HUSBANDRY	THREE YEAR TEACHERS'

A Complete Commercial Course

is offered all students and its work is so arranged that it may be carried in connection with the regular work of other courses.

THIS COLLEGE

OFFERS to the young people of this state an education which is thoroughly in line with modern thought and demands. It spends no time on dead languages or such subjects as are of little practical value. It aims to fit young men and young women for responsible positions in life. The demand of the present is for men and women who can think and investigate for themselves; who can deal with the social, agricultural and industrial problems of the day.

OFFERS five courses of study covering four years each, besides a short course of two years in common school branches. Military discipline throughout the courses.

THE LABORATORIES

ARE THOROUGHLY EQUIPPED, and the instructors are specialists in their respective lines. Exceptional advantages are offered in chemistry, physics, botany, zoology, literature, mathematics, and engineering subjects.

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

WRITE TO THE PRESIDENT FOR CIRCULARS AND CATALOGUE

WINTER TERM AND WINTER SHORT COURSES BEGIN JANUARY 4th.

received so many kicks he is quite tame and the editor never did bite.

Spectrum Manager (seeing a donkey wandering up the walk:) "There comes another one of those fellows to tell me stop his paper."

BULLETIN ON PORK PROD. JUST OFF THE PRESS.

Bulletin number eighty-three on pork production under North Dakota conditions by Professor W. B. Richards is just off the press. The bulletin fills a long felt want because many farmers throughout the state are at a loss to know how to produce swine in the most economical way under our existing conditions. The bulletin treats of the different types of swine adapted to North Dakota conditions and the methods for rearing and marketing the same. Points on sanitation

and economical methods of sheltering are also considered.

Many of the Colleges over the country have as their most popular organization a walking club. At the University of Pennsylvania two hundred and twenty five men belong.

LYNX ADDED TO ZOO. COLLECTION

Most recent among the specimens added to those in the zoological laboratory is a mounted lynx left with the College by Mr. Herbert Rieby of Pingree, North Dakota. It is said to be a beautiful specimen but is the more interesting because of its history.

It was shot in the vicinity of Arrow Wood Lake about a year ago by its fifteen year old donor with a twenty-two caliber rifle. The animal which is a large specimen was shot directly between the eyes. Mr. Rieby had the lynx beautiful-

ly mounted and shipped to President Worst. The President graciously accepts the specimen and guarantees that the best of care will be taken of it.

The lynx may be seen at the laboratory. Additions of this nature to the collection are most acceptable at all times.

Phi Delta Delta Iniate.

Much amusement was furnished by the candidates for membership in the Phi Delta Society last week when they were formally put through the necessary public stunts to show their worthiness dates Miss Rose, Miss Pelsier and dates Miss Rose, Miss Pelsier and Miss O'Neil, were first required to go about to their class rooms carrying teddy bears and the following day were appropriately placarded. This part of the program was apparently carried out satisfactorily.

McKinney's

Ladies and Misses wearing Apparel Exclusive

**COATS, SUITS, FURS, SKIRTS,
WAISTS, CORSETS, GLOVES,
HANDKERCHIEFS, HOSIERY
AND UNDERWEAR.**

All goods fitted and Satisfaction guaranteed

110 Broadway,

Fargo, N. D.

J. F. HOLMES & COMPANY,
 Agents for
H. S. & M. Clothing
 Knox & Gordon Hats. Manhattan Shirts, Hannan, Packard & Regal Shoes.
 100-102 Broadway Fargo, N. Dak.

College Directory.

STUDENTS' ORGANIZATION
 W. O. Whitcomb.....President
 Kathryn Grest.....Secretary

ORATORIAL ASSOCIATION
 Leo P. Nemzek.....President
 Agnes Halland.....Secretary

WESTERN LEAGUE OF ORATORY
 Alvin Hansen, Yankton, S. D.....Pres.
 C. O. Lee, U. N. D.....Vice-Pres.
 W. O. Whitcomb, A. C.....Sec'y & Treas.

ATHENIAN LITERARY SOCIETY
 W. O. Whitcomb.....President
 Fern Dynes.....Secretary

PHILOMATHIAN LITERARY SOCIETY
 Agnes Halland.....President
 William Stapleton.....Secretary

DRAMATIC CLUB
 Edwal Moore.....President
 Grace Lofthouse.....Secretary

Y. W. C. A.
 Sadie Barrett.....President
 Lucy Cockburn.....Secretary

Y. M. C. A.
 H. B. Darling.....President
 Roy Balfour.....Secretary

AGRICULTURAL CLUB
 Edwin Traynor.....President
 Chas. Ruzicka.....Secretary

LYCEUM OF ENGINEERS
 V. C. Parker.....President
 Leo Thien.....Secretary

A. C. P. C.
 J. A. Carman.....President
 C. W. Parker.....Secretary

ALPHA MU
 Dave Moore.....President
 Edwal Moore.....Secretary

ATHLETIC ASSOCIATION
 Leo Nemzek.....President
 Arthur Murphy.....Secretary

GIRLS' ATHLETIC ASSOCIATION
 Ella Heidner.....President
 Agnes Halland.....Secretary

TENNIS ASSOCIATION
 J. G. Halland.....President
 C. E. Nugent.....Secretary

Societies

Y. W. C. A.
 The Y. W. C. A. held a devotional meeting at Francis Hall Wednesday afternoon, Jan. 13, at 4:00 o'clock. The meeting was in charge of the Freshman girls who had as their topic "The New Year's Watch." Fay Preston presided and the topic was divided into the parts of watch on words, acts, thoughts, companions, and habits. Esther Evans sang a solo and several of the older girls gave a few suggestions on the watch we should keep of ourselves.

A social half hour was enjoyed after the meeting, and refreshments were served.

Joint Meeting.
 On Sunday afternoon, Jan. 17, the Y. M. and Y. W. C. A. held a joint meeting in the College Chapel. Rev. Tildon of the First Baptist Church spoke. He chose as his lesson a part of Gen. 13, and applied it to our lives. The period of life was divided into three parts—minority, the time when a choice is made for us; majority, when we chose for ourselves; and the time of destiny, when we reap the harvest of our choice. Miss Mabel Piers sang a beautiful solo. The meeting was well attended and all the students were invited to join the associations.

The associations felt very grateful to Rev Tildon for making this address from which so much help is derived.

Y. M. C. A.
 A large number of students attended the first Y. M. C. A. meeting of the term which was held at the usual time Wednesday. The address was delivered by Rev. Adams of the Presbyterian church on the subject "A Perfect Man". In this connection he brought out the necessity of developing the physical, mental, and spiritual elements. So long as any one of these is not thoroughly developed the individual can lay no claim to perfect manhood. He urged particularly that the students let pass no opportunity for spiritual improvements. At the close of the meeting, Secretary Nagly made a short announcement on the work and purpose of the Y. M. C. A. for the benefit of new students.

ATHENIAN.
 The Athenian Literary Society

met in the society room Friday, Jan. 15, at 7:15 o'clock. After the installing of the new officers the president, Margaret Magill, gave a short address in which she spoke of the excellent conditions that the society was maintaining and asked the co-operation of all the members in keeping the state of society up during her term of office. The duet by Ross Babcock and Earl Yerrington was much appreciated. A declamation by Grace Briscoe was well delivered and received hearty applause. Reginald Dynes chose as his current topics Troubles of India, Catastrophe in Italy and several other events prominent in the mind of the public. Locals were to have been given by Charles Ruzicka but as he was unavoidably absent they were given by Peter Olson. Mr. Hendrickson gave the last number, a violin solo, which was very heartily encored.

Agricultural Club.
 The Agricultural Club held its regular meeting Saturday evening, Jan. 16. At the business meeting the following officers were elected for the winter term:
 President Burke Chritchfield
 Vice President Walter Peterson
 Secretary J. Clayton Russel
 Treasurer C. M. Yerrington
 Critic Amos Ewen
 Marshall M. B. Johnson
 The next meeting of the Club will be held Friday evening, Jan. 22, at eight o'clock.



Burke Chritchfield.
 New President Agr'l Club.

Club Dance a Success.
 The Agricultural Club gave their second annual dance in the College Armory, Friday evening, Jan 15. The hall was tastefully decorated in the college colors, yellow and green, and in bundles of grain, making an effective contrast which was very unique. About seventy couples enjoyed an evening of unexcelled pleasure. Delicious frappe was enjoyed by all and the club is to be congratulated upon the success of the entertainment.

Pharmacy Club.
 The A. C. Pharmacy Club held a special meeting on Friday, Jan. 15th. The following officers were elected for the winter term:
 Miss Mayer Vice Pres.
 & Treas.
 Mr. Flath Secretary
 Mr. Ford Sargent at Arms
 Mr. Wilker Reporter

Hesperian Society.
 The regular meeting of the Hesperian Society was held in Professor Arvold's room on Friday evening. The feature of the program was a debate on the question, resolved that the teachings of Robert Ingersol did more harm than good. The negative and successful side in this debate was upheld by William Rommel, Oscar Knutson and John Heath. The af-

Help to build up North Dakota by patronizing its Manufacturers. You do when you buy of the Monson Trunk & Box Co., Fargo, N. D.

KEEP AWAY
 From COWIE'S Barber Shop if you don't want the best work in the city.

THEY KEEP COMING
 for our work makes friends.
Waldorf Bath and Barber Shop.
 P. F. Martin, Prop.

SHOTWELL FLORAL CO.
 Everything in Cut Flowers, Plants Gold Fish, etc.
 Send for Catalogue.
 Fargo, N. Dak.

PRIDE OF DAKOTA FLOUR
 Fargo Mill Company
 Fargo, N. D.

Did you see the Christmas postals at the Book Store?

The Palace Clo. House,
 No. 1 Broadway, Magill Block FARGO, N. D
Everything in Clo. & Up-to-date Furnishing
 SPECIAL SALE ON SUITS AND OVERCOATS.
10 per Cent Discount to A. C. Students.

MANAGER'S STATEMENT.
 Of Interest to all Students Registered.

Believing that it is the aim of every person, registering for work in our school, to become better acquainted with the college world and its activities, and having neither the time 'or the patience to call on each individual and convince him of that which he should already know, namely that he needs the Spectrum and the Spectrum needs his support (financially as well as otherwise). I have placed every student, registering, n the Spectrum mailing list and every one will receive a copy f the first two issues for this term. By that time you should know whether you want to become one of us, and pay your subscription, or stay on the outside and tell me to pull your name from my list.

After the first two issues I shall revise the mailing list and shall consider every one a subscriber who has taken the two papers from the postoffice and has not notified me that he does not care to subscribe.

The subscription price is fifty cents a term or seventy-five cents for the winter and spring terms.

S. V. ANDERSON, Mgr.

Have You Thought of an ELECTRIC CHAFING DISH FOR MIDNIGHT LUNCHEs

P. S. If a co-ed., how about an Electric Curling Iron or Flat Iron?.

Curling Iron Heater \$2.00
 Chafing Dish \$9.00
 Flat Iron \$4.00 and \$4.50

A very new Iron.
UNION LIGHT, HEAT & POWER COMPANY.

ALEX STERN & COMPANY,
 Edwards Building, Corner Broadway and N. P. Avenue

Headquarters for
FINE MEN'S CLOTHING and BOYS' WEARING APPAREL
 Sole Agents for
 Stein Bloch Clothing, W. L. Douglass, Burt & Packard
 : : : : Florshiem Shoes : : : :
 We carry the Largest Line of
 Fur and Fur Lined Overcoats in the Northwest

A BIG RUG SALE
 Until January 10, '09

We are going to sell everyrug in our Mammoth stock at from 10 to 20 percent discount. This includes all French Wiltons Royal Wiltons, Body Brussels, Axminster Velvets, Tapistry Brussels, Pro-Brussels and Ingrams. These rugs have all been carefully selected and will harmonize with any scheme in decoration. It will pay you to make your purchase now and save one-fifth the price on your rug.

Bergstrom & Crowe Furniture Company,
 121-123 Broadway Fargo, N. Dak.

firmative by Helmer Knutson, Isaac Bell and Oscar Westlund. Following this part of the program some important business relating to the work of the society was considered.

PHILOMATHIAN.
 The Philomathian Literary Society met in the Society room Friday, Jan. 15, at 7:30 o'clock. The first number of the program was a trombone solo by Ralph Main waring which was much appreciated by all. Frank Darrow then gave a number of slight of hand performances. The meeting was closed with a piano solo by Ida Billing.

The eight hundred women at the University of Iowa are feeling keenly the need of a women's building. The State Federation of Women's Clubs has taken steps to co-operate with the regents in getting one.—Ex.

A. G. SPALDING & CO.
 The Largest Manufacturers in the World of Official Athletic Supplies.
FOOT BALL, BASKET BALL, ICE SKATES, HOCKEY GOLF.
 Uniforms for all Athletic Sports. Official Implements for all Track and Field Sports.
GYMNASIUM APPARATUS.
 Spalding's handsomely illustrated catalogue of all sports contains numerous suggestions Mailed free anywhere.
A. G. SPALDING & CO.
 New York Chicago

A few of the classes will be excused on certain days this week that parts of the program of the convention may be heard.

Happy The Man

who buys his books, stationery, penmans, drawing instruments, postcards, and all college supplies at the

A. C. Book Store,
(Administration Bldg.)
BABCOCK, DARLING & KEENEY.

KODAKS

Everything known in Kodaks and Supplies call or write us for Catalogue.

E. P. SUNDBERG & CO.,
Gold and Silversmiths—Mfg. Opticians.

Fargo,

N. Dak.

SHIP YOUR CREAM to the
FRANK. O KNERR DAIRY COMPANY,
WHOLESALE AND RETAIL CREAMERY.
Cash Paid For Cream and New Laid Eggs.

Our Special O. K. Brand Creamery Butter is always in demand which makes it possible for us to pay the top notch price for cream. We specialize in New laid Eggs. Write to us for tags and quotations.

No. 7 8th Street So. - - - - - Fargo, N. Dak.

S. Birch, Pres. A. Birch, Vice Pres. Fred Birch, Sec'y-Treas.

S. Birch & Sons Construction Company

Incorporated under the Laws of Utah
Capital \$50,000

GENERAL AND REINFORCED CONCRETE CONSTRUCTION

Offices: Salt Lake City, Utah; Fargo, North Dakota.

"New Productions In Plant Life"

Dean Sheppard Discusses Fascinating Subject Before the Polytechnic Society.

Dean Sheppard of the Agricultural Department was the speaker at the Polytechnic Society last Wednesday evening. His subject is one which is not only interesting to the average student of today but also very fascinating to the general reader who learns of the wonderful achievements that are being wrought in the plant world.

The subject "New Productions in Plant Life," is one which the Dean is well acquainted with both by reading and conversing with the men who are leaders in this line of work.

The lecture as delivered is in part as follows: "Twenty centuries ago it was written 'Do men gather grapes from thorns, or figs from thistles?' Also, 'Whatever a man soweth that shall he also reap'. Which is evidence that the law of heredity has worked in its even and natural tenor as the generations of men have come and gone in this everchanging world.

"One of our best informed students of hereditary problems recently wrote: 'China had breeds of the domestic hen and Arabia had breeds of horses before the dawn of the Christian era which were as well adapted to their needs as any we boast of today.' The Romans had seven breeds of dogs and seventeen breeds of pigeons all of which seem to have been true to type. The unmistakable resounding of such facts down through the centuries may make my subject, "New Productions in Plant Life", seem like a misnomer.

It is but fair to suppose that architects who have been so successful in constructing animal forms by such laws, connecting as they must with the generations from which we have received our wheat, oats, barley, flax, and many other products, must have had masters, whose names are not obscured from view in the dim past, who have left as a benediction to us these products which have resulted from a co-operative activity with the God of Nature.

"The source of types, the original source of seeds, is an interesting question surrounded by mists and mysteries which we can scarcely hope to pierce but which ever beckons to our young men and challenges them to speculate and investigate.

"The past decade seems to have awakened new life in the entire subject and in the producer of commercial products from live things and the scientist in his laboratory and trial plots is actively engaged in a systematic search for new creations and new laws. I believe this search is the most promising of all time since it is the most searching, the most scientific, and the most discriminating inquiry which has been made into the subject in all time.

"The producer of new and useful types is not so much revered as in the past. A few men like Luther Burbank, however, need to be saved from their 'fool friends.' This is not a generation of hero worship. Burbank is an interesting man and has accomplished some remarkable things, but the things he has done and the lore about what he is supposed to have done fall a considerable distance apart when set parallel. An enterprising reporter had a million dollars added to the crop of Iowa in a single season by a plant breeder having bred a type of corn with the ear a foot higher on

the stalk. This is the most palpable nonsense for in the first place he could not possibly have done so and the yield would not have been increased if he had. The world is very expectant and credulous and the reporter is anxious to make the most of these facts. Much of the best work must be done to discover underlying principles and upon the less spectacular productive features. A large amount of work must be done to disprove certain features and to show fallacies. I would not for a moment detract from the importance of the work of Burbank. His spineless cactus, seedless, or more properly speaking pitless plum—it has a seed but instead of a shell around it it is surrounded by gelatinous matter—in addition to numerous other plant forms of unusual value which are worthy of great sensible praise. The cactus is of special value as a food for stock in the arid regions where vegetation is scarce.

"The sugar beet crops as now produced have an average of fourteen to sixteen percent sugar while they originally produced but six percent. This remarkable change was brought about by selection of plants and seeding the seed from plants having the highest sugar content.

"The Illinois Experiment Station has been breeding corn for a change in protein and oil. In ten generations they have raised the protein content in one strain of corn from 10.92 per cent. to 14.26 per cent. and in another strain they lowered the protein from 10.29 per cent. to 8.64 per cent., making a total difference of 5.62 per cent. in the protein content. In another strain the oil was raised from 4.70 per cent. to 7.37 per cent. and in another strain the oil was lowered from 4.70 per cent. to 2.66 per cent. making were changed but not to such a marked degree as that of the protein and oil. This change in the oil and protein has a very great commercial value as it is said that only one-half of the increase in oil would make corn worth five cts. more per bushel on the market. This breeding for high protein and high oil, however, had a detrimental affect in that the yields were lessened by it.

"The work with the fiber plants has been productive of marked results. These plants seem to be very susceptible to selection. The work on flax at our own station has shown some very interesting things. Dr. Webber of New York Experiment Station has been working with cotton and has succeeded in making some marked improvements in the length of the fiber and other ways. Work has been done on the hemp plant with some very beneficial results.

"A great deal of work has been done in breeding plants which are resistant to certain diseases. The cause of these resistant properties is not known. It is not anatomical but is probably toxic, and is certainly physiological. When a plant is bred resistant to one disease it is not any more resistant to other diseases than before."

Considerable work has been done in the breeding of watermelons for the market. It was found that a certain type of melon was the most desirable on the market. So a field of melons was planted and the law of chance taken into consideration. It was figured out by this law that the desired character of melon would probably appear once in five thousand

times. Ten acres of melon were planted and one melon appeared which nearly answered the requirements.

The crossing of the citrus fruit has been productive of some very useful products which find a place on the market. The orange has been crossed with the citron and has given a fruit which is larger and harder than the orange.

In conclusion the Dean showed some lantern slides of different plants which illustrated some very interesting points in regard to some of the things that have been done in the way of producing new things in the plant world.

DEPARTMENT NOTES.

Co. B. Gets Honors—Stock Judging Classes Crowded—Auto for Gas Engineers.

The Extension.

The January issue of the Extension has appeared and contains a review of the work offered by the Department of Education of the College. The lessons in elementary agriculture by Supt. Randlett are continued and also the paper on nature study by Dr. Bell. The new course in Veterinary Medicine is described and the opportunities of the veterinary profession are enumerated.

Education.

The enrollment in the Department of Education is very satisfactory during the present term. In all about fifty students are taking their work and of these 14 are college students. The indications are that a number of the young men now taking the agricultural course will enter the field of agricultural education.

Gallery Practice.

On account of the hustle occasioned at the beginning of the term, the regular gallery rifle practice did not take place last Friday. Next Friday a part of Co. A will practice and a number of good scores are expected.

One out of Eight.

There are now 126 students who report regularly in the wood shops or more than 16 more than last year. The work is divided between sections and as a consequence Mr. Tibert, the instructor, is on the go most all the time. One out of eight students are said to be taking work in this shop and according to this the total enrollment is 120 more than last year.

Auto for Gas Engineers.

It is a sign of the times that an automobile has been secured as a part of the equipment of the engineering laboratory. It means that gas power is the coming form of power and that eventually the automobile will be just as useful to the farmer as to the city man.

The machine that has been loaned to the College and is now in the engineering laboratory is a forty horse power, four cylinder Glide and is to be used for demonstration purposes for the class in gas engines.

Co. B. Awarded Honors.

Last Wednesday afternoon at three-thirty a large crowd of students gathered to witness the first battalion parade of the year. The two companies appeared in full uniform and both did good work at drill, only one mistake being made and that due to an error of one of the officers. It was decided that the general appearance of Co. B. excelled that of the first

company as all were in full uniform while a small part of the necessary paraphanelia was missing with one or two of company A. As a result of this drill Co. B. is now the color company and will remain so until the rival company spunks up a little.

Pavillion Inadequate.

The classes in stock judging this year are unusually large, 225 having registered for the work. In order to accommodate the short course students who are taking this work for the first time it has been found necessary to discontinue the advanced class that was held here-tofore in the winter for students who wished to take more advanced work. The judging pavillion is occupied every hour in the afternoon during the week. The classes are, however, all too large for the best work. In order to be able to divide the classes into smaller sections and allow more advanced work in the subject there is need of another judging pavillion.

Chautauqua Program.

Among the other things that Professor Arvold is planning is a series of Chautauqua programs to be given by the class in public speaking. He already has the members classified as "musicians", "lecturers", and "humorists" and will soon have a schedule of the programs completed and the dates fixed.

Since the locks were put on the desks in the drawing rooms indiscriminate "borrowing" has gone out of style and some students that did not prepare for the innovation have been obliged to buy pencils of their own.

The class in Breeds of Live Stock of the winter Short Course students is the largest in its history, the enrollment being one hundred and five.

BEIDLER & ROBINSON Lbr. Co
Lumber, Cement Plaster and Fuel
Phone 130L - - Fargo, N. D.

INTERIOR LUMBER CO.
Lumber, Wood, Coal
Phone 93. - - - Fargo, N. D.

ATHLETIC and SPORTING Goods
General Hardware & Tools.

WESTERN HARDWARE COMPANY
57 Broadway Phone 1530.

J. E. JOHNSON CYCLE
...SUPPLY HOUSE...
SPORTING GOODS, CUTLERY, Guns, Ammunition and Bicycles,
216 Broadway, Fargo, N. D.

FOUT & PORTERFIELD
Druggists
THE LEADING DRUG STORE IN NORTH DAKOTA
61 Broadway Fargo, N. D.

FARGO LUMBER COMPANY
Lumber, Lath & Shingles.
Sand, Gravel, Cement and Plaster.
Mill Work of all Kinds.
122 N. P. Ave. Phone 243
FARGO, N. D.

Cotrell & Leonard
Albany, N. Y.
Makers of
CAPS, GOWNS & HOODS
To the American Universities From the Atlantic to the Pacific.

KINNEAR'S
The Home of
Good Shoes
60 Broadway, Fargo, N. D.

VIKING HOTEL & RESTAURANT
Lindvig & Losness, Proprietors
420 Broadway - - Fargo, N. D.

THE FIRST NATIONAL BANK
of Fargo
is glad to handle small as well as large accounts.

MERCHANTS' NATIONAL BANK OF FARGO
Capital and Surplus, \$125,000.00
United States Depository
Safety Deposit Boxes for Rent. Interest Paid on Time Deposits
N. A. Lewis, President H. W. Gearey, Vice President
O. G. Barnes, Vice President S. S. Lyon, Cashier

FARGO NATIONAL BANK
Fargo, N. Dak.
UNITED STATES DEPOSITORY
Martin Hector, Pres. O. J. deLendrecie, Vice Pres. G. E. Nichols, Cashier.

M. A. Baldwin, Pres. F. C. Gardner, Vice Pres. W. C. McFadden, Cashier.
COMMERCIAL BANK OF FARGO.
General Banking Business Farm Loans A Speciality
Students will be shown every possible courtesy.

"The Saving and Loan"
No 11 Broadway
We Pay 5 Per Cent
Our Assets Are \$950,000 UPON SAVINGS DEPOSITS

The Northern Trust Company
Capital \$100,000.00 Surplus & Reserve \$50,000.00
Geo. H. Hollister, Pres. H. P. Beckwith, Treas. B. I. Keating Secy.
62 Broadway, Fargo, N. Dak.

Wheelock & Wheelock,
Lands, Insurance, Loans.
Waldorf Block, FARGO, N. D.

H. HARRINGTON,
HARDWARE
Heating Stoves and Ranges
Broadway Fargo, N. D.

GO TO GEO. PIRIE
His Chocolates and Bon Bons are the best. Try his Hot Drinks and Dainty Sandwiches

Fargo Plumbing & Heating Company,
Plumbing, Heating and Electrical Contractors
No. 112 Broadway
We designed and constructed the
Central Vacuum Steam Heating Plant
heating all the buildings on the College grounds
Write us for information on anything in our line.
Fargo, North Dakota

Red River Steam Laundry
27 9th Street North.
Give us a Trial—Work guaranteed—if you are not satisfied let us know. See E. L. Sackett, A. C. Student Agent.
F. H. Tilden, Prop. Fargo, N. D.

WALKER BROS & HARDY,
FANCY JOB PRINTERS
Programs Announcements, Etc.
Walker Block, 1st Ave. North. FARGO, N. D.

PERSONAL
Sec'y Nagley of the Y. M. C. A. left for Grand Forks last Thursday.

The Seniors of the Farm Husbandry Course held a short business meeting last Saturday morning.

Miss Tyson, a student in education, returned to the college last Friday to continue her work.

Mr. Burke of Fargo, brother of the governor was an attendant at the Agricultural Club Dance Friday evening.

Mr. Nickels, a commercial student, spent the latter part of the week at his home at Frazee, Minnesota.

Mr. Fitz, the government grain man spent a couple of days in Minneapolis collecting wheat samples last week.

Otis Larson, '12, has returned to school this term. He is met with a welcome from the Freshmen.

Some of the older students in the wood shop are finishing articles of furniture this term.

J. C. Carleton of Washington, D. C., was a visitor at the college last week.

Mark Keeney boasts of drinking twenty five glasses of frappe at the dance the other evening.

Quite a number of the A. C. students and faculty attended the "Land of Nod" Friday night.

An article upon "Immune Flax" under the authorship of William Mercer, '10, appeared in last week's issue of the Orange Jud Farmer.

Wm. Lanxon, '09, returned to the College last Saturday with the Farmers' Institute staff with which he has been touring for a couple of weeks.

Mr. Hughes is busy disseminating information in regard to the hog cholera serum throughout the state by means of the newspapers.

Eric Martinson who has been on a survey since last spring returned to school Tuesday and has resumed his studies with the class of '11.

Miss Nellie Orange, a graduate of the Valley City Normal, has entered the college as a freshman and is taking work in the Department of Education.

Charles Oshwald, '07, surprised his former College friends by appearing on the scene at the basket ball games last Saturday evening. He is visiting his many friends in the city.

Faculty attendants at the Agricultural Club Dance were Prof. and Mrs. Waldron, chaperons, Professor and Mrs. Brown, Professor and Mrs. Donaghue, Professor Richards, and Mr. and Mrs. Fitz.

Professor Shepperd has accepted an invitation from the Manitoba Dairymen's Association to deliver two addresses before their convention which will be held sometime in February at Winnipeg.

President Worst spent last Friday in the State Capitol looking after matters connected with the printing of the biennial report of the Station and College which is to appear soon.

The Junior class in the Physics Laboratory has been driven from their field of operation by the

JONES'S
Home Made Candies
Ice Cream, Lunches and Hot Drinks.
230 Broadway - - - - - Fargo, N. D.

Competent Instructor
FARGO ROLLER RINK
Afternoon Session, 2 to 5. Evening 7:30 to 10:30.
MUSIC EVENINGS BY THE RINK ORCHESTRA.

large classes in preparatory physics. It is likely that they will use room 27 as a laboratory.

Many expressions of surprise were made that Dean Keene was a poet. The Dean, however, has denied any aspirations in that line and refuses to lay claim to authorship of the poem "The Engineer and His Pants".

There was some consternation among the basket ball enthusiasts last week when it was rumored that Captain Darrow had quit the game because of lack of time. All were delighted that he was brought to change his mind.

We are called upon to make a correction in our last issue. Geo. P. Grout, '08, was coach of the Minnesota Dairy team which made such an excellent showing at the International rather than contestant as was stated.

Rufus Lee, another former student, stopped off for a day at the College enroute to St. Paul. He is another student of Agriculture who has proven his ability to achieve success. He has an 800 acre farm at Gladstone, North Dakota, and an interest in a mill. Charles Oshwald, '07, and George Auxvig, both from the A. C. are his assistants.

Those from the College that attended the state Educational Association from the College about a few years were President worst and Professors Weeks, Shepperd, Waldron, Halland, Winard, and Mandlett. The sentiment of the meeting was quite favorable to industrial education in the high schools and also that the election to these subjects be permitted.

The Engineering Department received a visit Friday from Mr. Herbert Soule of Minneapolis. Mr. Soule is the owner of a machine for briquetting of lignite and called particularly on Professor Keene and Mr. Parker because of his interest in the work that is being done in the Department of Engineering. Mr. Soule expects to have a plant in operation at some point in North Dakota within about a year.

Ralph B. Ward, '95, now of Roney, North Dakota, was a visitor at the College last week. Mr. Ward was member of the first class to graduate from the institution and has made good use of the education obtained here. When he left the A. C. and went out west he started in with little or nothing at ranching. He now owns a large horse ranch with fifty brood mares and an interest in three banks. One thing noteworthy is his businesslike methods of handling his business in having regular customers in the state which he supplies.

Professor Willard and two of the advanced students in geology have started a plan for a text book on soils which is intended for use in the proposed agricultural high school course.

Meet Me at the
ICE CREAM PARLORS
of the
WALDORF PHARMACY
Agent Johnston's Swiss Milk
Chocolates
OSCAR HALLENBURG, Ph. G.
THE REXALL STORE
708 Front Str., Fargo, N. D.

FARGO SEED HOUSE
... WRITE US ...
Fargo, North Dakota,

TROY STEAM LAUNDRY
623 N. P. Avenue Tel. 236
Wagon goes everywhere.

A. J. Brown Company
Interior Decorating, Painting, Exclusive Imported and Domestic Wall Hangings.
620 2nd Ave. N., - Fargo, N. D.

W. D. Hodgson's
is headquarters for Fargo City property and Cass County Lands.
Phone 125L
Cor. Front & B'dw., Fargo, N. D.

Cluett SHIRTS
On and off like a coat. In fast colors and exclusive styles. \$1.50 up.
CLUETT, PEABODY & CO., Makers

The Key City Laundry
WILL DO THE BEST WORK TO BE HAD IN THE CITY
W. B. A U X E R, Prop.
631 N. P. Avenue Fargo, N. D.

C. E. GREEN,
Dealer in Fresh and Salt MEATS
Poultry, Fish and Oysters in Season
Phone 51-1
No. 105 Broadway, Fargo, N. D.

DEWEY'S STUDIO
Edwards Building
Will offer special inducements to Students during Jan. and Feb.
See us about it.

Nearly 40 Years
Of incomparable Uniform making. We make a better, more serviceable and satisfactory
COLLEGE UNIFORM
for the money than any other house in America. Ask any College, the majority contract with us. Catalogue and prices free. Address
THE M. C. LILLEY & Co.
Columbus, Ohio.



THERE IS A REASON
for the steady increase in patronage at our Store
M. A. HAGEN,
Jeweler.
8 Broadway - - Fargo, N. D.

DIXON
Laundry
307 Broadway Phone 666

Ideal Theatre
High Class Vaudeville.
Bennington's Farce, Comedy, Dramatic and Vaudeville Co. present:
Ten Nights in the Bar Room.
All week.

Place your laundry with Barrett at the corner grocery. He has the agency.

North Dakota Decorating Co.
Practical Painters and Decorators. Dealers in Fine Wall Papers, Paints, Oils, Glass and Varnishes. Sign Painting, Fresco Painting. 306 Broadway, Fargo, N. D. — Phone 699.

All Wool made to Order Suits \$14.25 up.
J. A. HANSON, Room 18, below Fargo Nat'l Bank. Samples on display at my office or that of J. T. Sparling, 819, 13th Str.

1000 Men Wanted
to stand in the barrel while Bergerson presses their clothes.
Room 18, Basement Fargo Ntl Bnk. Bld

N. D. I. O. BOARD
MEETING SATURDAY
Intercollegiate League Makes Arrangements For The State Contest.

Saturday afternoon at the Waldorf Hotel was held the annual January meeting of the Board of Control of the North Dakota Intercollegiate League of Oratory. The members present were F. A. Stever, Fargo College, President; C. E. Moore, State Science School, Vice President; W. O. Whitecomb, Agricultural College, Secretary; and C. O. Lee, University Treasurer.

Amendments to the constitution of the League were recommended to the oratorical associations of the different schools which compose the State League and judges were chosen for the intercollegiate contest which will be held in Fargo on the second Friday in April under the auspices of the Agricultural

College. It is not known whether this contest will be held in the Opera House or not as Manager Walker has a show billed for that date. If the Opera House cannot be secured the contest will probably be held in one of the churches of the city.

The contestants in this Intercollegiate Contest are the orators chosen from the four schools which compose the League. The winning orator receives a gold medal and this orator together with the one receiving second place will represent North Dakota in the Interstate Contest. The Interstate Contest is held under the auspices of the Western League of Oratory, which is composed of the state leagues of North and South Dakota. The Interstate Contest will be held in North Dakota this year at the institution which wins first at the Intercollegiate Contest.

DR F. L. McVEY TO
HEAD NORTH DAKOTA U
Former Professor of Economics Department Elected President of N. D. University

Minn. Daily, Jan. 13—Dr. Frank L. McVey, chairman of the Minnesota tax commission, was elected president of the University of N. Dak. at a meeting of the regents of that institution held at Grand Forks, N. Dak., last night. Dr. McVey was for 11 years an instructor in the University of Minnesota in the department of economics, before resigning to accept a membership on the state tax commission. He succeeds Webster Merrifield.

The election of Dr. McVey to the presidency of the North Dakota university was foreshadowed in recent dispatches, and it was believed yesterday that he met with the regents last night at their request. He is expected to return to Minneapolis this morning, when a statement will be given out of his intentions regarding the North Dakota position.

Following the creation of the tax commission by the legislature in 1907, Dr. McVey was named by Governor Johnson as one of its first members, and he was reappointed a short while ago for a three-year term. Prior to his acceptance of a place on the commission. Dr. McVey was for 11 years a professor of the faculty of the Minnesota university. He is 38 years old, and holds degrees from Ohio, Wesleyan and Yale universities. His degree of doctor of philosophy was granted him by Yale.

REQUEST FROM RUSSIA
FOR SAMPLES OF GRAIN.

Professor Shepperd received a letter this week from a lady in Russia asking for early varieties of corn and wheat. The letter was quite unique, as the back of the envelope was covered over with foreign stamps.

DECLAMATORY CONTEST
NEXT LITERARY EVENT

Many Contestants Have Already Come Forward—Appropriate Selections.

A literary event which is being looked forward to with great interest at the present time is the declamatory contest which will be held in the college chapel Friday Feb. 5th. The contest will to a great extent present the two literary societies so that it will not only be a contest between individuals but also between these two societies. Among those who have entered the contest are Ruby Gibbens, Maud Morrow, Olaf Hendrickson, John Brander, Ruth Heath, Fern Dynes, Edwin Evington, Allen Clark and Will Stapleton.

The selections which will be delivered are all of the highest quality, such as, Mice at Play, Rip Van Winkle, Peters the Suseptive, Examinations, Happiness and Liberty The Revolt of Mother, College Oil Cans, and The Polish Boy. Music at this occasion will be furnished by the College Choir.

PROFESSOR DOLVE BUSY
ARRANGING FOR CONTEST

Professor Dolve of the Agricultural Department is busy getting out pamphlets announcing the Farm Mechanics Prize Essay Contest. This year, as in former years a number of valuable prizes are being offered which will no doubt induce a large number to compete in the contest. A full list of prizes together with the rules and regulations governing the contest will be published next week.

PUTNAM'S BAND CONCERT
with
COUTURIER.

On next Sunday afternoon at the Grand Theatre at 3 o'clock Dr. Putnam's down-town band known as Putnam's Band of Fargo will give a sacred concert. The full membership of the band (40) will participate and the program will be of a character to please all. A special feature of the concert will be the appearance of the great cornet Virtuoso:—



Ernst Albert Couturier.

This so-called "wizard of the cornet," has a world wide reputation, having made a tour of all the large cities of the continent in 1906 playing with the leading bands including the "Guard Re-

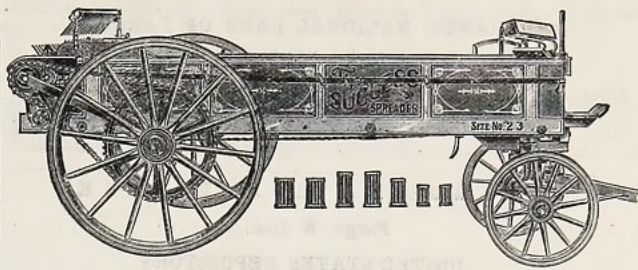
The technic of this artist is nothing short of marvelous, while his tour has all the variations from the soft tone of a muted violin to the massive tone of a trombone. He has a range of 5½ octavs and is indeed a wizard of the cornet. Elbie Hannun, the young and talented clarinet player will also be heard in a brilliant solo number. Tickets may be ob-



DISCOUNT SALES

on Suits, Overcoats, Underwear, Rubbers and Overshoes for the next two weeks at

THE MODEL CLOTHING HOUSE, 63 Broadway, Fargo, N. D.



SOLD BY

The Frank Lynch Company,

Fargo and Casselton, N. D.

Schools and Colleges

will find it to their interest to correspond with us when in need of designs or printing plates of any kind. We do more college work than any other engraving house in the Northwest.

Buckbee Mears Co.,

Designers - Engravers - Electrotypers
St. Paul, Minn.

METROPOLE CAFE

On N. P. Ave. to the left off Broadway.
Orchestra 6--7 p. m. 11--12 p. m.

THE HUB RESTAURANT

65 Broadway Fargo, N. D.

tained from several members of the cadet band or of Dr. Putnam and seats can be reserved at Stone Piano Co's. Store

PREP COURSE REVISED
AND HARMONIZED

(Continued from Page 1.)

It has also been proposed that a principal be engaged who will have the direction and management of this high school or preparatory school and also that a graduate of a manual training school be employed to teach the subjects in manual training.

This, in brief, outlines the changes that have been made and as will be seen all academic courses with the exception of the Pharmacy are now preparatory to the College. The student may elect to any one of the courses depending on the kind of work that he wishes to pursue in the collegiate department. In each of these groups the work is arranged so that though the student does not wish to enter the college he will have considerable technical training of value. This move on the part of the faculty is a step raising the standard of the college as it puts our entrance requirements on a

par with the principal universities and college in the United States. It is a move that should be heartily supported by those who have the interests of the institution at heart.

Fargo Opera House.

The vagaries of college football, exciting incidents around the training quarters of a big football team before, during and after an important gridiron contest, two tender little love affairs and plenty of excitement go to make "Almost A Mistake," which is to be presented by the Irving Dramatic Club at the Fargo Opera House, Saturday evening, Jan. 23, one of the strongest local offerings of the season.

"Almost A Mistake" is a musical drama in three acts by R. R. Edwards and is full of college gaiety, some tense dramatic scenes and a realistic description of a college football game by a newspaper reporter who witnesses the contests and becomes very excited as the home team makes gains.

This show will be produced at popular prices and a bumper house will surely greet the company. Tickets on sale at the College Book Store.

NOBBY CLOTHES FOR MEN AND YOUNG MEN

THE GLOBE CLOTHING STORE

520 Front Street. Fargo, N. D.

LANPHER, STETSON AND LONGLEY HATS

FLORSHEIM AND THE SELZ ROYAL BLUE SHOES

STRICTLY ONE PRICE Money Cheerfully Refunded