

# THE WEEKLY SPECTRUM.

Official Publication of the Student Council.

VOL XVII.

Number 32.

NORTH DAKOTA AGRICULTURAL COLLEGE TUESDAY MAY 16. 1917.

PRICE 5 CENTS

## Grand Forks Wins First in Declamation Contest

DALE KENNEDY OF THAT CITY GETS FIRST PLACE WITH SELECTION FROM ENOCH ARDEN.

### Contest a Splendid Success

MASTERTON OF BARNESVILLE TOOK SECOND PLACE—MISS HILDRETH OF FARGO WINS THIRD.

The Third Annual Inter-High School Declamation Contest on Saturday evening was a most fitting close to the many successful events of the day. It was especially so to the Grand Forks High School, for it again took the honors, being represented by Dale Kennedy, whose selection was "Enoch Arden." With on or two exceptions they were all good, but Mr. Kennedy's stood out as particularly good. His selection fitted the speaker well and with his fine voice, clear enunciation, natural and calm stage presence, he held the closest attention of the audience present. His description of the scene was very vivid, and the impersonation of "Enoch Arden", when he revealed his identity, was particularly impressive in its sadness.

Masterton, of Baarnesville, Minn., took second place with his selection "The Heart of Old Hickory." His selection dealt with a character whose patriotism was expressed in a somewhat unusual and even ludicrous but nevertheless serious manner, and Old Hickory proved to be the best of patriots.

Third place was won by Mildred Hildreth with a scene from the Lion and the Mouse. She showed especial ability at interpretation of character, and the change of personality and voice was at times remarkable.

The remainder of the program follows:  
Biff Perkins' Toboggan Slide.....  
Mabel Sunling, Ada, Minn.  
Asleep at the Switch.....  
Vida Chew, Forest River, N. D.  
The Roman Patriot.....  
Wilfred Stiles, Mandan, N. D.  
The Wreck.....  
Ethel McAubrey, Moorhead, Minn.  
Hiawatha.....  
Donna Davis, Park Rapids, Minn.  
The Soul of the Violin.....  
Elmer Haugen, Pelican Rapids, Minn.  
Clarence's Dream.....  
William Dresser, New Rockford, N. D.

The judges of the contest were John N. Anderson, Larue Buxton of Fargo, and Miss Maude Hayes of the Moorhead Normal. After a selection by the orchestra, Professor Arvold, the chairman of the evening, turned the platform over to Professors Minard and Keene, who presented the medals and pennants to the victorious athletes. Appearing again Professor Arvold announced the winners of the Declamation contest, and presented the medals to the winners of the first three places, and the pennant to the Grand Forks High School through its representative The pennant is the property of the High School for one year and if won next year becomes the permanent property of the Grand Forks school.

A reception was given to the visitors and their friends immediately after the contest. Dancing was enjoyed for about an hour.

## Prof. Bergman Desires to Remain at A. C.

WAS OFFERED GOOD POSITION WITH DEPARTMENT OF AGRICULTURE.

Prof. H. F. Bergman has lately been offered a very desirable position in the Department of Agriculture at Washington, at a salary considerably in excess of that which he is now holding in this institution. The work offered was that in the line of plant pathology, associated with orchard work. Mr. Bergman has, however, for a couple of years, been engaged in some investigation here in the Department of Botany which he dislikes to discontinue, and considering also the rapid growth of this institution, has decided to remain in charge of the teaching Department of Botany at the Agricultural College here. The students and others acquainted with Prof. Bergman will be pleased to know of his decision to remain at the institution.

Dr. Bell addressed the Fortnightly club of Fargo, on the economic value of birds, the first part of last week.

## A New Faculty Organization to be organized Wednesday

MEETINGS TO ALTERNATE WITH THOSE OF POLYTECHNIC SOCIETY.

The fortnightly meeting of the faculty that has been alternating with the Polytechnic will be held next Wednesday evening at Ceres Hall.

These meetings had their beginning in the winter and were carried on in somewhat of an experimental way, before a permanent organization was decided upon. It has now been decided to affect a permanent organization, give the society a name and elect its officers at the meeting Wednesday night.

Dr. Trimble is to address the meeting on the subject of the Local Focal Party, or the third party in politics. It will be developed that our present situation politically, socially and economically is quite similar to the situation previous to the civil war.

## Auto Wagon Secured to do College Delivery Work

TEAM SERVICE INADEQUATE FOR LARGE AMOUNT OF DRIVING NECESSARY.

When the A. C. had its beginning a messenger boy could have cared for all the express, freight and general errands that were necessary in the administration of the institutions activities. But the institution grew beyond such a limited capacity and has reached the present day stage where five horses and a man are maintained for this purpose. But this particular phase of the institution's activities have extended beyond this provision and a new auto wagon is to supplant at least one team, which probably will be transferred to the Horticultural department.

The new auto wagon that was recently purchased will be put in commission this week. The machine is a 20 h. p. International and has a capacity of about 1,500 pounds and has a speed of about 15 miles per hour. By the use of such a machine the college is assured of much better service than has been possible in the past. One not familiar with the extent of the business done cannot fully appreciate the tonnage moved during the year, nor the miles covered in doing so. At least one of the teams will be reserved to supplement the work of the auto and in emergencies will take its place.

Mr. Teigens, who for the past seven or eight years has very satisfactorily discharged the duties of college driver, is to continue in his old position and is to pilot the auto on the campus and on its errands throughout the city. Adolph's experience as a chauffeur has not had its beginning at the present writing and the friends of this organ are warned not to take any chances when he makes his debut in the near future. At his approach seek safety and without hesitancy, for the "International and Germany's proud son" may leave custom's paths and may appear in unexpected places at any moment. Play safe, we caution, until the International and Adolph come to understand each other and settle down to the duties expected of them.

## Prof. Dynes Honored

IS ELECTED A MEMBER OF SIGMA XI THE MOST EXCLUSIVE HONORARY SOCIETY IN THE COUNTRY.

The many friends of Professor Dynes will be pleased to hear that he has been elected to membership in the Sigma Xi of Cornell University. This society is one of the exclusive orders and accepts to membership only those who give the greatest promise along scientific lines. Past customs of this society have been to elect but one member a year out of each class and the fact that Mr. Dynes was one of the recognized speaks well for his accomplishments and is gratifying to his friends.

Mr. Stevens of the Pure Seed department, during the past week visited a number of points in the northwest portion of the state, doing seed inspection work, including Ambrose, Crosby, Kenmare, Towner, Minot, Upham and Milroy, and Professor Bolley did seed inspection work at Kensal, Courtenay and Wimbledon.

## Fourth Annual Inter-High School Field Day a Splendid Success.

Eleven High Schools Compete for Honors. Over Sixty-five Contestants take Part. All Entertained at A. C. Enthusiasm is Great.

### Grand Forks Wins First Place

CASSELTON SECURES SECOND PLACE. DETROIT WINS THIRD. TWO RECORDS ARE SMASHED. STATE RECORDS ARE BROKEN IN THE HIGH JUMP AND IN THE POLE VAULT BY SEVERAL MEN.

The much heralded Fourth Annual High School Field Day and Declamation Contest came last Saturday and never before in the history of the college was so much enthusiasm shown in an event of a similar nature. Class banners were flying all over the campus, even the sacred Ceres Hall was not exempt and staggered under the weight of an enormous 13 banner which from looks of the price tag on the rear must have cost that class a small fortune. The Seniors had the position of honor on the Main Building and there flew the banner that they have carried to victory on many occasions. The Juniors improvised a flag staff on the Chemical Building and there put up an airy creation which they claimed was ten feet long and which fluttered in the breeze just like a real flag. The Freshmen again suspended their emblem from Science Hall and the Sorority had a banner up on the Armory.

Signs directing the visitors just where to go to see the various points of interest about the campus, were put up all over so as to avoid any trouble on the part of the visitors in locating the managers office or anything else they wanted to find.

Eleven schools had representatives in the meet. A total of nearly seventy entries were made. Grand Forks won the meet with 45 points out of a possible 130. Casselton took second with 23 points and Detroit Minn. took third with 20 points.

Anderson of Detroit was the highest point winner, winning the 40 yd. run and the 220 hurdles and taking second in the 100 yd. dash and in the 220 yd. dash, thus gaining for Detroit 16 out of the 20 points they made. Armstrong of Grand Forks was the second highest point winner taking first in the 120 yd high hurdles and in the discus throw and taking second in the 220 yd. hurdles and third in the hammer throw making a total of 15 points. Max Taubert of Casselton was third high man first in the 100 yd. and the 220 yd. dashes and second place in the high jump, thus winning a total of 13 points. Roy Young of Crookston with 12 points Williams of Grand Forks with 10 points, and Eustice of Breckenridge with 10 points were also strong men. Eustice in particular is to be commended because altho suffering from a bad charley horse he went in for all he was worth and won the high jump in record style and took a second in the pole vault also at a record height.

The two events, the high jump and the pole vault were the only two in which state records were broken. The record now stand at 5 ft. 3 3/4 inches in the high jump which is two inches better than the old record and is a very creditable mark for any high school meet. The record in the pole vault now stands at 9 ft. 10 in. which is six inches better than the previous state record and is also very creditable work.

The meet started at 2 o'clock on Dakota field and was very well attended there being at least five hundred people present. The College Band was out and furnished music just before the meet and during the intermissions between events.

The first track event was the 100 yd. dash which was won by Taubert of Casselton in 11 1/5 sec. This is not very fast time but when one considers that a strong wind was blowing up the home stretch it is not to be wondered at. Anderson of Detroit took second and Cowdrey of Valley City took third in this event.

**Hammer Throw**  
The first field event was the hammer throw. In this event Booth of Fargo took first with 116 ft. and 10 1-2 in. Roholt of Grand Forks took second and Armstrong of Grand Forks took third place thus giving Grand Forks a good start toward the big score they piled up.

**One Half Mile**  
In the half mile Williams of Grand Forks took first in 2 min. 12 sec. without much trouble. Christianson of Crook-

ston took second and Pery of Fargo third.

**Hurdles**  
The 220 Hurdles was a very pretty race, being run in 29 2-5 sec. Up to the last hurdle Zimmerman of Casselton was leading but he stumbled here and the others were so close behind that by the time he had recovered himself the others were over the line. The event was won by Anderson of Detroit. Armstrong of Grand Forks taking second and Nilles of Casselton third.

**220 Dash**  
The 220 Dash was run in 25 sec. It was won by Taubert of Casselton with Anderson of Detroit second and Young of Crookston third.

**Broad Jump**  
The Broad Jump had a large number of entries and was pulled off at the same time some of the track events were being run. But the competition was good and the winners had to work for their victory. First place went to Young of Crookston. Second to Blublitz of Valley City and third to Eustice of Breckenridge. Distance 19 ft. 11 in.

**Mile Run**  
Altho slow time was made in the race, it was a very spectacular one and competition was good there being eleven entries. The finish was particularly good there being strong competition on the home stretch. The winner was Williams of Grand Forks. Second was taken by Norby of Detroit and third was a tie between Zimmerman of Casselton and Riedel of Crookston. The points were divided and the two men cut for the medal. Time 5 min. 18 sec.

**High Hurdles**  
In the High Hurdles it looked as tho Grand Forks were going to get all the points but on the last hurdle Roholt who was in the lead stumbled and instead of taking first as was expected tied with Meyer of Detroit for third. First place was taken by Armstrong of Grand Forks and Second by Bacon of Grand Forks. Time 20 sec. flat.

**High Jump**  
The High Jump was one of the prettiest events of the meet and the one in which the most remarkable work was done. Eustice of Breckenridge who won with a jump of 5 ft. 7 3-8 in. did not have an easy time of it by any means and up to the last minute it was a question whether he or Taubert of Casselton would take first place. However Taubert had to contented with second. Lodwell of Grand Frks took third and thus added two points to Grand Forks already high total.

**440 Run**  
In the 440 Anderson of Detroit took first in 55 2-5 sec. Ferguson of Grand Forks took second and Pinkman of Casselton took third.

**Discus Throw**  
In this event Armstrong added another five points to his score by taking first with 92 ft. 1 1-4 in. Roholt of Grand Forks took second and Young of Crookston took third thus giving Grand Forks 8 points out of the 10 possible in the event.

**Pole Vault**  
The Pole Vault was one of the hotly contested events of the meet and a remarkable number of men struck after the bar had been hoisted above the 9 ft. mark. In this event a new state record of 9 ft. 10 in. was established by Lodwell of Grand Forks. The old record was 9 ft. 6 in. Eustice of Breckenridge in spite of his game leg took second place and gave Lodwell a hard rub for first. Third was a tie between Blublitz of Valley City, Hostler of Jamestown and Wickstrom of Valley City. It was vaulted off Blublitz winning.

**Shot Put**  
The Shot put was pulled off at the same time that the pole vault and was won by Wood of Casselton with a distance of 38 ft. 7 in. Young of Crookston took second with 38 ft 1-2 in. and Nichols of Alexandria took third with 36 ft. 6 in.

## Relay

The last event of the meet was won by Grand Forks in easy style with Casselton second and Fargo third.

This meet was undoubtedly the most successful ever held at the Agricultural College and will compare well with any ever held in the state.

The write up of the Declamation contest which comes in connection with the field day is given in another part of this issue and it also was very successful.

Already plans are under way to make next year's contest even better than the one this year if possible and we hope that these contests will keep growing from year to year.

## Prof. Ladd's Assistants Secure Good Positions

MANY NOW OCCUPY PLACES OF PROMINENCE IN VARIOUS SECTIONS OF U. S.

Many very able men are and have been connected with this institution. Their efforts have developed this institution from a very small and modest beginning to its present size and far reaching influence. This position has not been reached at a single bound but has been the result of constant well-directed effort. All of the Departments have contributed toward this end but there are perhaps none that have had a longer or better list of men on its staff than the Chemical Department which since its inception has been presided over by Prof. Ladd, now a man of national repute. The status of this department may be inferred from an inspection of the list and achievements of those who have served on the staff.

Among the assistants who have been associated with Professor Ladd in the Department of Chemistry since the organization of the Agricultural College; and their present positions as far as can be learned, may be mentioned the following:

W. H. Whalen, M. S., Assistant in Chemistry and Geology. Died while in service.

Prof. C. M. Hall, later Professor of Geology at the Agricultural College.

Dr. Hugh McGuigan, now assistant Professor in the Northwestern University, Medical Department.

Dr. L. B. Green, physician at Monango, N. D.

J. H. Norton, B. A., in charge of the Whittier Station for Fertilizer Tests in connection with the University of California near Riverside.

R. E. Stallings, formerly assistant and engaged in food and flour work, now State Chemist for Georgia and head of the Food and Drug Department Atlanta, Ga.

A. G. Nickels, Assistant Chemist with Prof. Stallings in Georgia.

Dr. C. H. Kimberly, now Professor of Analytic Chemistry, Medic—Chirurgical College, Philadelphia.

H. P. Bassett, now assistant chemist in the Delaware Experiment Station.

Prof. Firman Thompson, chief chemist at the Delaware Experiment Station.

W. B. Pope, Lowell Texile Institute.

Grant Morton, Government Inspector under the National Food and Drug Law.

J. L. Lynch, Government Inspector under the National Food and Drug Laws.

Prof. L. H. Brown, Food and Drug Department, University of Kentucky, Lexington, Ky.

Dr. C. D. Holley, Chief Chemist and Manager of the Lead Department, Acme White Lead & Color Works, Detroit, Mich.

Leo. P. Nemzek, Chief Chemist, John Lucas Co., paint manufacturers, Philadelphia.

L. A. Fitz, head of Cereal Investigation, Agricultural College, Manhattan, Kans.

Prof. H. A. Wood, Assistant Chemist, died while in service.

Dr. G. A. Abbott, now Professor of Chemistry, University of North Dakota.

Under the direction of More Bros. of Wimbledon, the farmers of the entire region gathered at Wimbledon on the date of Saturday, the 6th, and Professor Hoverstad and Professor Bolley were called upon to give addresses on "The Relationship of Flax and Corn Cropping." The meeting was attended by perhaps 220 farmers, and was very profitable on account of the interest taken in the matter.

## Polytechnic Society Holds Last Meet of the Year

IS ADDRESSED BY PROFESSORS RANDLETT AND SMITH ON PLANT BREEDING AND THE CORRECT MATHEMATICAL TABULATION OF RESULTS.

The Polytechnic society met for its regular fortnightly meeting last Wednesday evening and was presided over by Dr. Van Es, its president. The topic up for discussion was one of particular interest to agricultural men since it had to do with plant breeding, the methods employed, and the systems by which the results are tabulated. Director Randlett of the college extension department delivered the structural address of the evening and paved the way for the discussion of other phases of the plant breeding work which was discussed by Professor Smith of the mathematics department and Dean Shepperd of the agricultural department.

Professor Randlett, by means of diagrams brought very clearly plant breeding methods before his hearers. Beginning with the aspirations of the breeder he lead the hearers to the selection of the original or foundation stock from which the breeder set out to realize, if possible, his ambitions. Nursery treatment and precautions were the next to receive attention and from there the plant was followed on out into the trial plots, to the increase plots and on into the field trials and its behavior noted through a number of years. Interesting data were introduced showing some of the marked deviations that a plant breeder is able to affect. Other records were produced to show the marked variation to be found in plants of a common parentage. Some of Professor Donehue's data was employed to illustrate this variability and shown in one instance where there was variation in the yielding capacity paralleling the ratio 33 to 96 in the first generation.

Professor Randlett's address left a better and clearer conception of the possibilities in plant breeding.

Professor Smith followed with a discussion of the mathematics employed by the foremost plant and animal breeders in keeping tab on the advancement or retrogression made from the starting point from which the breeding began. Correlation tables now quite generally employed but not so generally understood were interpreted.

At the conclusion of Professor Smith's address Professor Shepperd gave some interesting comment on the subject matter of the two preceding addresses and in addition gave a brief review of some of the plant-breeding accomplishments at this station.

Altogether the information imparted was properly appreciated and well repaid those who were in attendance. A business meeting was held before adjournment at which it was decided to hold the next, which is the last meeting of the year.

## Senior Ball Was Success

LAST DANCE OF THE SEASON CAME LAST FRIDAY EVENING AND WAS A MOST ENJOYABLE AFFAIR.

The Senior Ball last Friday evening marked the last regular dance for this school year.

Needless to say this was a fitting climax to this year's enjoyment along that particular line. The Armory was most artistically decorated in an entirely original fashion. Long streamers of Crepe paper, in the class colors blue and white, were centered on the ceiling and gracefully strung to the balcony and walls, forming an immense dome. The walls under the balconies were draped with the class colors interspersed with monograms of other schools. Ferns galore decorated the orchestra platform. The lighting system was extremely unique. Bulbs were arranged along the balcony and the light was reflected upward, so that no direct rays fell on the dancing floor. The contrivance for the moonlight waltzes was the best ever attempted at the college, being located in the balconies and the colored light was thrown thru the streamers, forming the dome, giving a most artistic and realistic effect.

About 115 couples enjoyed the affair Dr. Putnam's Orchestra furnished the music in their usual pleasing manner. The Seniors made a grand success of their last effort to entertain, and they have the assurance that their efforts were appreciated by all.

**THE WEEKLY SPECTRUM**  
 Published every Tuesday of the school year by the students of the North Dakota Agricultural College, at the Fram Publishing Company, 207 Broadway, Fargo, N. Dak.

**H. M. Dodge.....Publisher**

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

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.

**TERMS.**  
 One year in advance.....\$1.00  
 One year in arrears.....1.25  
 One term......50  
 Single copies......05

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Chapel is still held in the Armory. This is inserted for those who seem to be unable to locate the place.

Next Monday's chapel address is to be given by Prof. Palmer, the Agriculture Editor of the A. C. Prof. Palmer's subject will be Advertising as Related to the Farm.

Coach and Horace Reuber were shocked Friday when a message from their Minnesota home announced the sudden and unexpected death of their father. Both left at once for their home. The host of friends of these gentlemen sympathize with them in their bereavement.

Monday afternoon's weather conditions were a disappointment to both the A. C. and Fargo College as it was such as to prevent the game of baseball being played according to the schedule.

Horace Reuber returned Monday but the Coach will remain at home as long as possible — probably until the end of the week.

The report of the Elizabeth McCormick open air school of Chicago have recently reached the college. The work of this school is somewhat of a novel nature, the work being conducted as the name suggest in the open air. This school was primarily established for some of Chicago's pupils who had pulmonary weaknesses. The results secured from this experiment have been most gratifying since it has been found that listlessness, sleepiness, mental heaviness, gaping, drowsiness, paleness, headache, amemia, laziness, enlarged glands, mouth breathing, snuffing, and a disposition to catch cold, have been largely done away with by the open air school system. During the winter months the schools are usually held on the roofs and the garb worn is patterned after that of the Esquinox and all together is said to be very satisfactory.

Dean Shepperd of the Agricultural department has recently collected a considerable amount of data concerning land grant colleges, their students and the character of the subjects they elect. The data in 1909 shows that in a block of thirteen states, bounded on the west by Idaho, Colorado and Wyoming, on the south by Oklahoma, Arkansas and Kentucky; on the east by Pennsylvania and New York and on the north by Canada, that the average number of students in the four years courses were 209 in agriculture and 640 in engineering. This indicates that in this block of thirteen states that the engineering students outnumber the agricultural men about three to one. However, in North Dakota these proportions do not hold, since the agricultural men number 41 and the engineering men 38. A considerable amount of other information pertaining to these schools particularly of an agricultural nature has been tabulated.

The board of trustees at their last meeting went over all the department budgets and made the necessary adjustments. All departments know now just where they stand and what work they can develop, and what plans will have to be pigeon-holed for the present. The board recognized the fact that a new boiler was needed in the Power house and in consequence moved its installation. A number of other matters were up for discussion but on which definite action was not taken.

Is it possible? Yes, they say it is so—that the college clocks are to be rewired and adjusted to keep the same time and do away with the oft used excuse for being late to class. While this is a blow to the excuse makers it is at the same time a boon to those who desire to know, approximately, the time of day. Heretofore, one was never certain after consulting the clocks whether it was a. m., p. m., or midnight.

The building committee of the board of Trustees expects to be at the college some time this week and see what can be done to alleviate the crowded condition of the kitchen at Ceres Hall. Miss Eastgate who has charge of the dining room and kitchen, found that the kitchen quarters are inadequate to meet the demands made upon them and that more room is badly needed. The board is to consider plans for an extension to the westward. The members that constitute the building committee are Messrs H. D. Mack, Geo. Hollister, and P. Elliott

The board of Trustees at Tuesday's meeting authorized the employment of a man for four months who will help to install all of the equipment for the new Chemical building. This new building, according to the estimate of Mr. Tibert, superintendent of building construction, will be ready for occupancy about July 10. Needless to say Dean Ladd and his department will welcome the day.

Extension Bulletin No. 3 has recently been issued by the Extension Department. It deals with the industrial contests which will be conducted by this department during the summer. Valuable instructions are given to those who wish to win prizes next fall. They can be secured free of charge by writing to this department.

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**DR. E. E. BASYE**  
Osteopath (Fargo Infirmary)  
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Phone 853 Fargo, N. D.

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Edwards Block, Fargo, N. D.

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**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. W. R. Addison.**  
Dentists  
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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62 Broadway, - - - Fargo, N. D.

**Dr. J. E. Frenette,**  
Dentist.  
Offices 12 and 13 Huntington Block  
102 Broadway, Fargo, N. D.

**DR. H. C. GREEN, Dentist, No. 10**  
Broadway, Fargo, N. D.  
**DR. F. A. BRICKER, DENTIST**  
61 Broadway, Fargo, N. D.  
**DR. W. E. HELLER, DENTIST,** Commercial Bank Block, 604 Front Street.

**LAWYERS**

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

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

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

**TAYLOR CRUM, Rooms 3 & 4, N. P. Bldg.**  
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The Pure Food Kind

From now until commencement the Seniors can be pardoned for wearing a tired look on their faces. Thursday night they worked until three in the morning decorating the armory for the Senior Ball. Friday night they had to stay up almost as late attending the ball itself. Saturday they were kept all day until twelve at night attending the inter high school track meet and declamation contest so even now they have a right to wear part of that tired look.

In the absence of Coach Reuber, Capt. Foss is to have charge of the baseball team in all matters within the jurisdiction of the Coach.

# 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

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 AGRICULTURAL AND MANUAL TRAINING HIGH SCHOOL** offers complete secondary courses in:—

- AGRICULTURE
- COMMERCE
- DOMESTIC SCIENCE
- ENGINEERING AND MANUAL TRAINING
- GENERAL SCIENCE
- RURAL TEACHERS' TRAINING

These courses all fit fully for college entrance

### Special Courses:

- PHARMACY
- HOMEMAKERS
- COMMERCE
- FARM HUSBANDRY
- POWER MACHINERY

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Preparations Being Made For Our 20th Anniversary

COMMENCEMENT EXERCISES COME JUNE 6th. BACCALAUREATE SERVICE THE 4th OF JUNE

Just three weeks from today come the commencement exercises when the Seniors will receive their sheepskins and when the most of them will sever their connection with the A. C. as students. These exercises will be given in the college armory at ten in the morning.

Granting of Diplomas, Clark H. Kelley President of the Board of Trustees. March—Victor Herbert Carr Dr. Putnam's Orchestra Commencement Dinner Ceres Hall—1 p. m. Class Reunion, College Campus, 3 p. m. President's Reception, Ceres Hall 7 p. m. Alumni Ball and Banquet College Armory—9 p. m.

The Baccalaureate Service will be given the Sunday before, on June 4, at three o'clock in the afternoon. It will also be given in the College Armory. These exercises will be in the following order: Prelude Doxology Invocation Anthem—Great and Marvelous are Thy Works Scripture Reading—Matthew xx, 1-16 Prayer Hymn—"The Spacious Firmament on High" Responsive Service, Psalm lxxxv, 1-4, 7-12 Gloria Patri Announcements Solo—"The Lord is My Light" Edythe Hersckmer Grasse

Address—Dr. Herbert L. Willett, of the University of Chicago, Chicago, Ill. Hymn—"God Eternal, Lord of All" Benediction The invitations to the Commencement exercises are now out ready for distribution. They are in shape of a booklet entitled Twenty Years of Service and are by far the most artistic ever seen here.

This anniversary of our twenty years of service is a significant event and with the splendid exercises which will be given here will probably attract a large number of our citizens here for the occasion. Mrs. Marshall, preceptress at Ceres Hall, is to entertain the Senior class next Friday at Ceres Hall. It is rumored that this entertainment is to be one of the neatest that has been planned for the Seniors. Dr. Putnam's orchestra and Miss Grasse are to add to the Seniors enjoyment.

The M. A. R. S. club of the First M. E. church and to which a number of the A. C.'s musically inclined young people belong, is to provide some of the entertainment Tuesday evening for the delegates to the state Sunday School association meeting which is to be held at that church. This club has a band and an orchestra, both of which are under the direction of Dr. Putnam. Both of these organizations are to provide the music Tuesday evening.

The second year High School class was entertained at the home of Kathryn and Rizoph Ladd Friday evening at a hard times party. All were dressed in appropriate costumes, which caused no little merriment. Games and dancing furnished entertainment for everybody during the evening. All who were present agree that it was one of the jolliest parties they ever attended.

Mr. Critchfield, of the Stallion Registration Board, left again the first of the week for a tour of inspection of Ramsey county. The heavy rains temporarily stopped the work and caused Mr. Critchfield to Sunday at home.

Mr. R. S. Fuller, of Hope, N. D., and one of the enthusiastic young farmers that attended the A. C., writes in to the agricultural department for a number of bits of information leading to better agriculture. Mr. Fuller is particularly interested in corn, and last year, by the use of Fargo grown seed, secured a yield of 45 bushels to the acre which is further evidence that North Dakota eventually must be considered in the corn belt.

Dr. Bell was the convocation speaker at Fargo college Saturday morning.

Some of Our Seniors get Good Positions at Home

At the last meeting of the board of Trustees this body increased the official college family by three. Those who are to become the new additions to the faculty were selected from the present Senior class who have shown particular fitness for work of the department for which they have been engaged.

Earle B. Hunt is to become assistant Chemist in the division of Agricultural Chemistry, one of the divisions whose work is, in the main, provided for by the Adams fund.

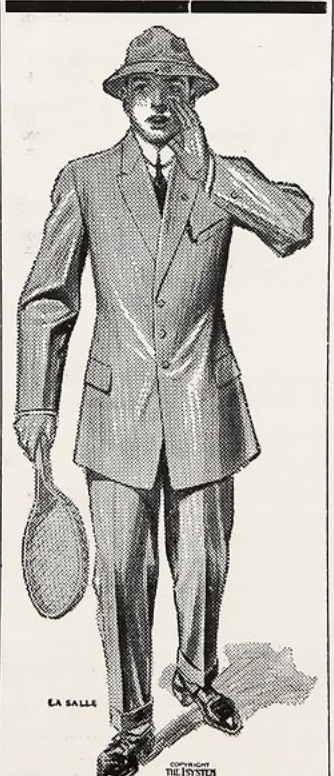
Henry Reddy is to become assistant Chemist in the division of Pharmacy, a work which Mr. Reddy has already acquired some experience, having assisted in this division as time would permit throughout his Senior year.

Chester Holkesvig was also selected to the position of assistant Chemist in the division of Industrial Chemistry. Mr. Holkesvig is not also only backed by the training necessary for this position, but is also backed by experience in this division, having for some time served as student assistant.

These three positions, all of which open up fine opportunities, were given to these three Seniors because of their particular fitness for these places. Promising careers are before them. Their friends are offering congratulations.

The college barns attract their share of daily visitors, particularly on Sunday. Fargo and out of town people when out for a stroll, commonly make a stop at the barns to admire the contented and fine appearing live stock within. The horse barn has recently received a new occupant in the shape of a pure bred Percheron mare, reared by Ellingson Bros., of LaMoure.

The Cattle Barn houses 74 cattle of the more common breeds. Here is to be found some fine specimens of the bovine tribe, ranging in weight from about 40 pounds to 2220 pounds. Under the care of the herdsman, John McDonald these animals are found to be in the pink of condition, according to breed, and reflect no little credit to the skill of Mr. McDonald. Lovers of good stock make no mistake by visiting this place.



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We believe that we are at last in a position where we can do one young lady of this institution a great favor, and at the same time earn her undying gratitude. The following letter, evidently addressed to one of our co-eds, has been accidentally found, and we not being able to determine its exact owner, take this means of uniting the fair correspondent with her property.

Dear Coz:— Was delighted to get your letter. Should have liked to have taken in the reception and dance, but your letter came the same day, Friday, and then I didn't have any rags to wear anyway.

It's all a thing of the past with Leonard and I. And, say, I've got the dearest finest looker of a fellow now. Am sure you would admire him. He is tall and dark, coal black hair and dark hazel eyes, and the loveliest clear, dark complexion. Wouldn't exchange him for all the R.....s in North Dakota. He and Willie were down yesterday.

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**A. C. Cadets Inspected by Washington Officer**  
CAPT. COOTS OF 13th CAVALRY, WASHINGTON D. C. FAVORABLY IMPRESSED WITH WORK OF BAND AND CRACK SQUAD. WILL REPORT ON STANDING OF COMPANY IN JULY.  
The college campus yesterday forenoon presented a decidedly military aspect. It was the day looked forward to for months by those taking military training—the day of inspection by the War Department's inspector.  
Had the inspection been scheduled for the afternoon a drizzling rain would have made it an unpleasant procedure but as it was the forenoon was fair and such as to assist in attracting a large line of spectators to watch the cadet's maneuvers.  
During the course of the inspection a number of airs were wafted across the parade grounds by the 32 piece cadet band, the character of the music being such as to bring forth fine commendation from the Inspector as well as appreciations from the crowd.  
After executing all the maneuvers demanded by the Inspector the band, cadets and crowd marched to the Armory to witness some fancy drilling by Capt. Ogaard's Crack Squad. The squad attired in white trousers and the regulation gray jackets presented a fine appearance as they marched upon the floor and very skillfully executed a series of fancy drills which was greatly appreciated as was manifested by hearty applause given at intervals thruout the exercises. The closing movements were executed to music rendered by the band. The work of the Crack Squad very favorably impressed the Inspector.  
Altogether the work of the cadets was creditable and up to the standards of the past. However, there is still chance for improvement, particularly in the ranks of the company.  
The gentleman who did the inspecting was Capt. Coots of the 13th Cavalry stationed at Washington, D. C. Capt. Coots left for the University of Wisconsin whose cadets are next to be inspected.

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**M. B. Johnson Resigns**  
ASSISTANT SUPERINTENDENT OF DEMONSTRATION FARMS TO ENGAGE IN PRIVATE BUSINESS.  
M. B. Johnson, Assistant Superintendent of Demonstration Farms has resigned, his resignation being submitted to the Board of Trustees at their last meeting. Soon after Mr. Johnson's graduation with the Farm Husbandry class of '09 he was chosen for the position of Assistant Superintendent of the Demonstration Farms and has very efficiently discharged the duties of this position but Mr. Johnson's ambition to embark upon a private enterprise induced him to resign in order to realize these ambitions. Mr. Johnson is to engage in farming at Edinburg, N. D. and from the study that he has made of this occupation and the wide experience that he has had he should be particularly well fitted to make his farm the most remunerative in his section of the country. Mr. Johnson has a good many friends at the college that will regret to have him leave the city.


**Hog Feeding Experiment by Animal Husbandry Men**  
TO DETERMINE COMPARATIVE VALUE OF DRY FEEDS AND DIFFERENT FORAGE CROPS—PRELIMINARY WORK COMPLETED.  
The Animal Husbandry department has just completed the necessary preliminary work preparatory to some experiments that are to be conducted with a view to determining the best forage crops and combinations for pig raising in North Dakota. Groups of eight hogs each have been carefully selected for the trial, care being exercised to see that they are uniform as to age, thrift and breeding. In a short while these trials will begin by putting these lots on the various experimental plots. One lot will be placed on a forage plot, consisting of a mixture of barley, peas and rape; another on oats, peas and rape; another on rape alone; while still another lot will be reserved and nurtured on dry feeds during the same period and used as a check or unit of comparison. At the expiration of the forage experiment the necessary data concerning the trials will be collected and then the lots will be finished for market on a diet of field peas and corn. When the finished period is reached the lots will be placed on the market, judged, the data completed and the conclusions drawn. These experiments are inspired by the fact that North Dakota swine growers are in search of the most economical rations for pork production.

**Juniors Win The Class Track Meet**  
For the first time in our history a track meet was pulled off between all our classes last Friday. All the classes except the Seniors who were too busy decorating the Armory for the Senior ball were represented by teams on the field. The three high school classes joined forces and put one team in the field as did the special classes. The special classes seemed to believe in quality rather than quantity for they had one man in their team but he alone carried off quite a large proportion of the honors.  
The surprise of the day was the good work of the Junior team which won the meet by a good lead. It was made up of Darrow, Heller, Ewen and Evingson. Until a few hours before the contest they had not thought of entering but at the last moment decided to take chances.  
Darrow won the highest number of points of any individual. Martineau was the next highest man. The winners of the first places were as follows:  
100 yard dash ..... Darrow  
200 yard dash ..... Darrow  
220 hurdles ..... Darrow  
High jump ..... Darrow  
High hurdles ..... Martineau  
Pole vault ..... Martineau  
Broad jump ..... Martineau  
Quarter mile run ..... Heller  
Half mile run ..... Heller  
Mile run ..... Rube Larson  
Two mile run ..... Oscar Westlund  
Shot put ..... Ewen  
Hammer throw ..... Whitson  
Discus ..... Mikkelson  
Relay race won by Junior team made up of Darrow, Heller, Evingson and Ewen.

**Conditions in Gardens Are Fine This Year**  
WORK PROGRESSING NICELY IN SOIL STERILIZING EXPERIMENTS.  
The garden conditions are about the finest that they have ever been known on the College grounds. The Department of Botany is carrying out a number of interesting experiments this year, including trials of disinfecting, sterilizing and fertilizing soils with regard to their effect on plant diseases, treatment of hard seeds of clover, and tests of oats to determine their proper synonymy. These lines of work make numerous small planting experiments and take the work of a great many students to keep the workers in the Station Division of the Department of Botany very busy making records of the numerous small plantings. One of the experiments which is of very considerable interest is an attempt to steam sterilize a definite area of ground for a definite depth without moving the soil. For this purpose Prof. Bolley has had constructed a large galvanized steamer, 6 1/2 ft. by 16 ft. long by 14 inches. This is inverted over a definite piece of ground, setting tightly over the land, the edges being buried in a surrounding ditch or groove and packed so as to prevent the escape of the steam. Experiments show that the moisture of the ground can be held at almost any temperature for a desired length of time. A threshing engine was used to furnish the steam and it was kept fired for from twelve to fourteen hours each day. Prof. Boiley believes that he has some portions of the old wheat land which have been thoroughly disinfected in this manner and quite large areas of flax ground will likewise be treated. The purpose of this experiment is to demonstrate the presence of absence of root fungi in the soil.

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