

THE WEEKLY SPECTRUM

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NORTH DAKOTA AGRICULTURAL COLLEGE TUESDAY, JAN. 11th, 1910.

PRICE 5 CENTS.

Fire Destroys The Chemical Building

Christmas Eve Witnesses Complete Destruction of Chemical Laboratory.

LOSS NEARLY \$85,000.

Fire Spread So Rapidly That Nothing Whatever Was Saved.

During the holidays the college sustained a great loss in the burning of the Chemical Building, which was entirely destroyed by fire on the night of December 24.

The fire was first discovered at about 6:45 in the evening, a number of people seeing the flames at about the same time. Who was the real discoverer in uncertain, but the first alarm was turned in by Grocer Flynn shortly before seven.

There was no one in the building at the time the fire broke out, but as near as can be ascertained, it started either in the south end of the east wing or in the north end of the main hall on the second floor.

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When first noticed the flames had gained a good start and owing to the highly inflammable nature of the contents of the building they spread so rapidly that nearly the whole interior was on fire before any one arrived on the scene. Nothing whatever was saved.

By the time the fire department arrived the fire had gained such headway that nothing could be done but prevent it from spreading. The firemen were further hampered by the fact that one of the hydrants at the corner of the campus was frozen and very little water was available.

The conflagration was highly spectacular, the flames being accompanied by a constant series of explosions of more or less violence as the fire reached the various chemicals. Several times windows were blown out while one explosion took off the entire roof and another, probably from the store rooms blew out the west wall. Fortunately the wind was from the north west at the time of the fire so that the only other building endangered was the Library. A constant shower of sparks and burning brands fell on the Library roof, but these were extinguished as fast as they came and the danger was finally averted. Had the wind been from any other quarter it is very probable that the fire would have spread, as on all of the other three sides of the Laboratory were buildings much closer to it than the Library. Even as it was most of the outer windows of the Engineering Building were cracked by the heat.

The fire was of comparatively short duration and the building was soon completely gutted, leav-



Chemical Building which was entirely destroyed by fire on the night of December 24th.

ing all but the west wall still standing. Most of the south and east walls were later torn down but the north wall still remains in place.

As to the origin of the fire nothing definite is known, but the general theory is that it was the result of short circuiting of some of the electric light wires. This theory is quite plausible as the steam fitters had been at work making connections for the new laboratory which was being built between the wings of the old one, and they might easily have disarranged or rubbed the insulation off some of the wires.

The total loss probably amounted to nearly \$85,000. The building itself was valued at \$55,000 while the apparatus and supplies invoiced at nearly \$30,000. Besides this all of the professors and instructors who had offices in the building suffered more or less personal loss. All of the official records of the station were in the vault and while they were badly charred none of them were destroyed. However, many records of laboratory work and unfinished station records were not in the vaults and all these were lost. Another item of the loss was the exhibit in the museum room. Some of the exhibit belonged to the college, while a large part of it was the property of outside parties. The insurance on the building and contents amounted to about \$40,000.

The fire was scarcely over when the faculty and trustees began to make arrangements to provide for the work in chemistry during the winter term. Rush orders were sent in for new apparatus and supplies and the chemists given quarters in the various buildings on the campus. Most of them are now located in the Engineering Building, but as soon as the present veterinary rooms in Francis Hall are vacated the Pharmacy division will be installed there.

At present the Agricultural Veterinary and special chemistry classes are in Science Hall occupying various rooms throughout the building. The Organic and Inorganic classes are held in the Engineering Building, Dean Laadd having his office in the instrument room. While the class work is now going on uninterrupted, the laboratories cannot be started un-

til the equipment arrives which will probably be some time the last of this week.

Already temporary laboratories have been fitted up in every room available for the purpose, and all that is now lacking is the apparatus and supplies. No little credit is due to the members of the faculty and particularly those of the Chemical Department for their quick and effective work in meeting the emergency. About \$6,000 worth of supplies are now on the road, the greater part of the shipments having been sent by express.

The station work is at present suffering more than the class work but will be carried on in the mill as soon as proper arrangements can be made.

As to the future little can be done for at least a year and during that time the present arrangements will continue with no important changes.

Sketches are already being made for a new building and definite plans will soon be drawn. It is proposed to make the new laboratory much larger and better than the old one and if possible it will be ready for occupancy January 1, 1911. To bring this about it will be necessary to begin work at the earliest possible moment in the spring. It is planned to locate the new building west of the Mechanical Building on the north side of the walk.

As a whole the emergency has been very effectively met and it seems that far less inconvenience will result from the loss of the Laboratory than was at first anticipated.

CARD OF THANKS.

I wish to thank my friends for the many kindnesses since our loss in the chemistry building fire. I wish especially to thank the Alpha Mu fraternity for the loan of their beautiful room and their many favors aside from that. I also wish to thank the Spectrum staff for the use of their typewriters and telephone.

—Adolph Ziefle.

NOTICE.

Hereafter no deposit fees will be returned without the surrender of the registration card.

—W. A. Yoder.

Four New Members Added To Faculty

New Instructors in Pharmacy, Physiology, Domestic Science and Dairying.

The new year witnesses four additions to the faculty. In the Veterinary Department the teaching force has been increased by the addition of Dr. Cliff, who will have charge of the division of Physiology. Mr. Cliff received his medical training in Toronto but for the last two years has been practicing at Park River in this state.

In the Pharmacy department Mr. Putt has been installed as instructor in Materia Medica and Therapeutics. He will also work in the food and drug department. Mr. Putt comes from the University of Ohio and will be a most valuable addition to the force in the pharmacy division.

Mr. Martin has been engaged to take charge of the winter work in dairying.

In the home economics Miss Jeanette Steendahl has been engaged as ass't. instructor. Miss Steendahl received her training along the line of domestic science at the Stout school in Wisconsin, coming here from Menomonie, Wis.

RECORD BREAKING ENROLLMENT IS PROMISED

Number Mounts Steadily Higher And Twelve Hundred May Be Reached.

Registration has been going on briskly for the past week and indications all point to a record breaking enrollment for the coming term. Saturday morning there were between ten and eleven hundred registered and with the large number that have been coming in for the past two days it seems altogether probable that the number will reach twelve hundred before the end of the week.

The students have all had less trouble in finding lodging places than was anticipated and up to date all have been located. All departments are crowded but all have been able to meet the demands made upon them and there is no likelihood of any one being turned away for the lack of room.

CONVOCATION

The first convocation exercises of the term were held in the Armory yesterday at 10 o'clock. President Worst was the speaker of the hour and addressed the students upon right living and thinking and the improvement of ones time while in college here.

A. C. Wins By A Decisive Score

Opening Basketball Game Of Season Results in Easy Victory Over Normals.

WE SCORE 38 TO THEIR 15

Every Member Of Team Shows Up In Good Form

The 1910 basketball season opened Saturday evening when the the A. C. team defeated the Valley City Normal by the decisive score of 38 to 15 on their own floor. While the game was so soon after the beginning of the term that the boys had had but a few nights practice since the holidays, both teams did good fast work.

During the first half of the game the teams seemed quite evenly matched although the score at the end of the first half stood 12 to 5 in favor of the A. C. In the second half the A. C. team began to show their superiority and drew rapidly away from their opponents, so that the game closed with a score of 38 to 15 in our favor.

For so early in the season both teams made a good showing, although as a whole Valley City played a rough game. All of the A. C. men played in good form. Clark secured the greatest number of baskets and ran up the score very rapidly just at the close of the second half. Baskets were distributed as follows: Clark, 6; Bert Haskins, 5 and two fouls; Wheeler, 3; Darrow 2 and Walt Haskins 1. For Valley City Heims secured 4 baskets, Humble 3 and Anderson 5 foul baskets.

The lineup was as follows:

A. C.	Valley City.
Walter Haskins	G Anderson
Darrow	G Humble
Wheeler	C. Heims
Bert Haskins	F. Towne
Clark	F Butterwick

Referee Aldahl, Umpire Ritchie.

Prof. Richards made a trip to New Salem during vacation in the interests of the Holstein Breeding Circle at that place which is in the charge of this Experiment Station. The members held their annual meeting at this time to elect officers and discuss various topics. Special attention was given to the subject of tuberculosis for the reason that all the herds in the circuit have just been tested for this disease but were found remarkably free from it.

Prof. Willard made a short business trip to the twin cities the last of the week.

Two Liberal Prizes For Practical Essay

Forty Dollars Offered For Best Essays On "How a Farmer's Wife Can Assist In Paying the Mortgage."

The interest with which the work in home economics as taught in this institution is being watched, is evidenced by the fact that prizes have been offered for the two best essays on the subject: "How a Farmer's Wife Can Assist in Paying the Mortgage."

The prizes are liberal and are well worth trying for, the first prize being \$25 and the second \$15. It is proposed to make a practical use of the winning essays by distributing them in printed form throughout the state, so that the work of the student may be of direct value to the farmers of the country.

Conditions for Competition of Prize Essay.

1. The title of the essay to be: "How a Farmer's Wife Can Assist in Paying the Mortgage."

2. The essay shall practically demonstrate the method and manner by which the wife by proper management on the average farm and under the average conditions and prices existing in North Dakota can earn and lay aside each month in the year the sum of \$40 in money from the proceeds of the sale of milk, cream, butter, eggs, poultry or hogs or either or any or all of them. The milking of the cows to be done by the men, and the feeding of the cows and hogs in the winter time to be done by the men. The cost of the men's time or board not to be considered in the result, as we esteem for this purpose the milk, butter, eggs, etc., provided for the farm table will offset this work performed by the men. This \$40 so received from the sale of the above or any of them to be net over and above the necessary supplies from these sources for the family use during the time.

3. As of course it is necessary that a given number of fowls, hogs, and cows and shelter for them should be had to accomplish these results the student can assume that these have been provided: the person writing the essay should state the number of each kind, the kind or variety of cows, hens and hogs which are most profitable, the probable yield the cost of maintenance and the average prices the produce should be sold for, etc.

The design of this essay being to show what can be accomplished under average conditions and prices, and not to assume exceptionally favorable localities, conditions or prices, and particularly to show how those by-products of the farm can be turned to profit which are ordinarily wasted like screenings, nubbins of corn, swill, refuse from the table, the green tops of garden vegetables, or certain roots or feed planted in waste places on the farm or in the pasture or fallow land as well as

feed which may be raised especially for this purpose.

5. The student to trace and explain each step in this economic problem and to so clearly state the same that a housewife of ordinary intelligence can comprehend it and follow the plan laid down and if followed by her can obtain the expected profits. The essay is to be tested by its practicability, truth of statement of fact and persuasive strength. The merits of the essay as a purely literary production not to be considered.

6. The length of the essay not to exceed two thousand words.

7. The essays to be handled to the college faculty for examination and award on or before March 1, 1910. The college faculty or those persons appointed by them to award the prize.

1st Prize—\$25.00.

2nd prize—\$15.00.

This contest is to be open to all students in the institution and should prove of special interest to those taking work in agriculture or home economics. The reason that \$40 per month is the amount specified is that on the average mortgage of \$2500, the sum of forty dollars per month for seven years will not only keep up the interest but also pay off the principal.

All students wishing to take part in this contest should hand in their names to President Worst before next Saturday as he wants to have the contestants agree to take some reasonable number of cows or hogs in their work and for that purpose will ask those wishing to take part to meet with him some time in the near future.

DYNES AND MENDENHALL TELL OF CONFERENCE

Two Delegates Represent College at Student Volunteer Conference at Rochester

Our delegates to the 6th International Student's Volunteer convention have returned and all report very enjoyable trips.

Mr. Mendenhall left here Dec. 21st. He was delayed on the road but spent two days in Howard Co., Indiana where he visited friends and relatives and spent one day with his sister at Indianapolis. Here he met two students from Depaw University whom he accompanied to the convention, where one of the first persons he met was our old secretary Mr. Leavitt. Mr. Leavitt sent his best wishes to the A. C. students and faculty. Mr. Mendenhall returned by way of Peoria, Ill, where he visited his brother who is a mail clerk. He arrived here last Thursday.

Prof. Dynes went there by the way of Toronto, Canada, near which place he spent a week at his birthplace visiting friends and relatives.

The students Volunteer movement is really separate from the Y. M. C. A. although they work hand in hand. Its object is to get the moral support of the great body of thinking men and women in foreign missions and to get

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The program consisted of speeches from the greatest speakers and religious workers in the world. Some of the speakers were Robert Sperry of the Y. M. C. A., Bishop Hartzell of Africa, Mr. Mott, International Secretary of the Y. M. C. A., Samuel Zuner, one of the leading authorities of the Moslem Faith, Dr. Jones of Indiana, Ambassador Bryce from England, and others. The convention lasted five days, forenoon and evening sessions being held in a large assembly hall. In the afternoon there were meetings of groups of delegates in the different churches in town.

The importance of the convention can be judged from the fact that there were over three thousand delegates present including over two thousand six hundred students and six hundred professors.

Our delegates will give complete reports of convention before meetings to be held in the near future.

Tom—"Pa, what is a board of education?"

Pa—"When I went to school it was a shingle."—Ex.

The December number of Poet Lore, contains a translation of "The New Star", by Dr. Batt.

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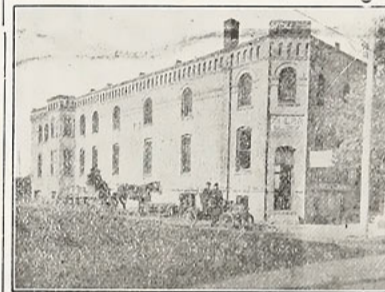
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Mr. and Mrs. Richards entertained Miss Ethel Cockburn of Minneapolis last week, who is one of the instructors in the Mandan High School.

Professor Ziefle is learning many things since he has moved into the Engineering Building. One day last week he heard a series of distressing sounds from the

region of the drawing rooms, and taking it for the cries of some fair lady in distress rushed to the rescue. On investigation he discovered it to be only the daily rehearsal of the songsters in the Engineering wing room.

Miss Ida Gubrid attended a dancing party at Ayr on last Friday evening.

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Dr. Batt Reports Session of Library Commission
Many Matters of Importance Discussed at Meeting Held Last Week.

Dr. Batt gives the following report of the Library Commission held last Monday and Tuesday in Chicago at the Stratford Hotel. The Commission was representative mainly of the middle western states although Pennsylvania and Delaware sent delegates. Several very interesting and important points were brought out, such as the bill for the certification of librarians in Ohio. The point is that librarians are to be taxed the same as teachers, doctors and other professional men. Other states are going to take similar action in regard to this matter.

The topic of discussion at the first session was "To What Extent Should Library Commissions Supervise the Libraries of the State." This supervision is carried further in New York than in other states, where the libraries received financial aid from the state and are consequently supervised by the state. At the second session the supervision of school libraries was under discussion.

Minnesota aids school libraries to the extent of \$1,000,000, while in Wisconsin ten cents per child per year is appropriated by law for the purchase of books. In Minnesota more over, the library commission supervises the libraries in all the state institutions. At another session the committee of the A. L. A. book lists stated that books of today are more expensive and more poorly written than formerly and are largely compilations rather than books.

A committee was appointed to voice a protest of the library commissions against raising the price of periodicals for libraries. It seems that at the beginning of this year publishers have increased the rates for libraries so that the individual can get periodicals at a lower price than the libraries.

The subject of traveling libraries was fully discussed and a committee appointed to submit a feasible list of books desirable for traveling libraries.

That Missouri Hog.

At the recent corn show held in Omaha there was an exhibit of serum valued at \$5,000 presented as being produced by one hog.

It is an old saying that "Figures don't lie," but a newer version is that "Liars will figure."

The price set upon Hog Cholera Hyper-Immune Serum by the Bureau of Animal Industry is two and one half per cents per cubic centimeter. Since the serum was valued at \$5,000, this would require the hog to produce 200,000 c. c. of serum.

It is claimed that three Hyper Immunizations is as many as will produce a sufficiently potent serum. The first two Hyper Immunizations will give four tail bleedings and the third three tail bleedings, making a total of eleven tail bleedings and the final bleeding.

A hog will bleed four cubic centimeters per pound per week thus eleven tail bleedings would produce forty four cubic centimeters for each pound of body weight per week and the final twenty cubic centimeters per pound of body weight. Divide this into the required amount of serum i. e., 200,000 c. c., gives 3125 lbs. as the weight of the hog.

Supposing however that they do not raise such hogs in Missouri and that he was an ordinary 500 lb. porker, this would necessitate his being bled 95 times and as about 3-4 inch is removed at each bleeding this would represent 72 in. or 6 ft. of pig tail. There seems to be a slight discrepancy somewhere but in either case even tho we are not from Missouri we would like to see that hog.

H. J. HUGHES RESIGNS TO ACCEPT NEW POSITION
Editorship of "Farm Stock and Home" Given to Head of Department of Journalism.

With the beginning of the new year, Mr. Hug J. Hughes, who for the past two years has been at the head of the Department of Journalism, and correspondent for the Extension Department of the college, resigned his position to accept the editorship of "Farm Stock and Home", one of the leading agricultural papers of the country. His title will be that of associate editor although he will have almost entire control as editor and will receive a corresponding salary.

Mr. Hughes came to the A. C. in the fall of 1907, graduating with the class of '08. After graduation he took charge of the Department of Journalism and also acted as correspondent for the Extension Department. He showed great attitude for this work and soon gained recognition as a most able writer. It was his success along these lines that gained him his present excellent position.

Mr. Hughes' successor has been selected in the person of Prof. W. C. Palmer of Winona Lake, Indiana, at present Dean of Agriculture of the college at Winona.

He is a graduate of the School of Agriculture of the University of Minnesota, has had experience as an editor and Farmers' Institute lecturer so that he is particularly well fitted for the duties he is to assume.

The Veterinary Department will be installed in their new quarters within a few days. The only detail lacking is the keys for the various rooms of the building. All is ready for moving in but none of the apparatus will be moved till it can be safely locked up. Another week will probably see the Vets fully established in their new building.

NOTICE.

All students who wish to enter the try out debate for the S. D. A. C. debate should see Professor Arvold Wednesday, Jan. 12. The N. D. A. C. has the affirmative side of the question. The preliminary will be held in the chapel and each speaker will be allowed seven minutes.

NOTICE.

At 5:15 Wednesday all students who wish to try out for the high school debate should meet with Professor Arvold in Chapel.

German Club.

The German Club will hold a regular meeting next Friday at 5 o'clock in the Athenian room. All those who were members last term are invited and all others prepared to join, that is those who have had at least one year of college German.

NOTICE.

All students who expect to enter any of the following contests should see Prof. Arvold before

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Jan. 12. College Declamatory Contest, High School Declamatory Contest, Short Course Declamatory Contest, and the Oratorical Contest.

NOTICE.

A list of candidates for teaching positions for the coming year is being made up by the department of education. Students interested should register and supply personal data, blanks for this purpose being furnished by the department.

Arland D. Weeks.

Clarence Nash is one of the latest additions to the Alpha Alpha Deltas, he and Bridge uniting to fulfill the place left vacant by Critchfield.

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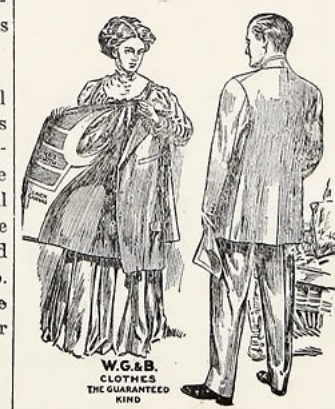
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THE WEEKLY SPECTRUM

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

J. Allen Clark, Publisher

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With the beginning of the new year and the new term the Spectrum takes pleasure in extending a hearty greeting to both those who are here for the first time and to those who, after the vacation are returning to resume the work of the year.

Those who have been here before are, or at least should be, quite familiar with the general customs of the institution, and it is urged that all new students enter so far as possible into the spirit of the college so that we may not only have the largest but also the most harmonious student body in the history of the college.

It may seem to the students who are here for the first time and perhaps will remain but a few weeks that it is impossible for them to enter into college life in so short a time, but this is not the case. It is not necessary to be widely known or familiar with every detail of the college activities to act a full and creditable part. The primary object of the institution is to instruct the student in the useful and practical things of life, and each individual has only to attend conscientiously to the course which he or she is pursuing to become a most useful and desirable member of the student body.

Nor is constant study altogether to be desired. A considerable amount of work is necessary to keep up with the classes but outside of this everyone should find time to attend certain general gatherings such as convocation exercises, athletic events and other special lectures or entertainments which will occur during the term. These things are for the students and no one can hope to get the most out of the terms work without attending them.

If every student will do well the work assigned him and take a lively interest in, even if not actually participating in the student activities we should be as-

sured of a most pleasant and profitable term.

Remember the all regular college basketball games played in the Armory during the coming term are free to students of the institution. The athletic fee of one dollar which each student pays on registration gives admittance to all regular games so that every person who presents a registration card at the door is admitted free of charge.

Be sure to bring the registration card for it not only shows that you are a regularly enrolled student but also that you have payed the athletic fee. Don't miss the games.

The Business Manager of the Spectrum wishes to thank all the short course men who have given their support to the college paper by subscribing for it during their stay. The Spectrum is gotten out by the students and is primarily for the students. There is no better way for a new student to get in touch with the doings of the institution than to read the college paper. Moreover the support of the entire student body is necessary if we are to have the best and most representative paper and the management greatly appreciates the good will shown by the short course students.

HASKINS WINS TOSS FOR BASKETBALL CAPTAINCY

Ueland Being Unable to Return, Special Election Is Held To Fill Vacancy.

Arthur Ueland, who was elected captain of the basketball team before the holidays, is unable to return and accordingly a special election was held last Friday night to choose some one to take his place. The first ballot resulted in a tie between Walter Haskins and Allen Clark. An attempt was made to vote off the tie but as the second ballot showed the same result as the first the two candidates tossed a coin for the captaincy. Haskins proved the lucky man and will accordingly act in that capacity this season.

While it is greatly regretted that Mr. Ueland was unable to return the team is assured of an able captain in Mr. Haskins, who was a star man on last year's team and is thoroughly familiar with the game in every detail.

Chas. Clark is now back from a three weeks vacation spent in the east and is spending a few days at the home of his parents before returning to Dickinson. Mr. Clark spent his vacation for the most part in Louisville, Ky., Ann Harbor and Minneapolis; on returning to Dickinson he will resume his work as assistant in alfalfa breeding.

At the meeting of the teachers and institute workers which was held at Minot during the holidays, Professor Randlett gave some very interesting demonstrations of the methods of milk testing.

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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. This demand the Agricultural College is attempting to supply.

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AGRICULTURAL COLLEGE

NORTH DAKOTA

"The Exponent", gotten out by the students of the Montana A. C., has been changed to a four page weekly with the beginning of the new year. The first issue which appeared Jan. 7, reflects no little credit on the students of that institution.

A complete specimen set of school text books, consisting of 46 volumes, has been supplied the department of education by Ginn & Co., of Chicago. This collection will be of great value to students who are preparing to teach and wish to be informed on the general subject of text books. They will be used also to illustrate educational progress and the characteristic features of modern pedagogy.

A father once said to his son,
"The next time you make up a

pun,
Go out in the yard
And kick yourself hard,
And I'll begin when you're done.
—Ex.

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Do Nothing;
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—Elbert Hubbard.

Putting in Tactfully.

Her Husband—Did you make those biscuits, my dear?
His Wife—Yes, darling.
Her Husband—Well, I'd rather you would not make any more, sweetheart.
His Wife—Why not, love?
Her Husband—Because, angel mine, you are too light for such heavy work.

Mary had a little lamp;
It was well trained no doubt;
For every time her fellow came
The little lamp went out.—Ex.

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have produced for us a very special line of unusually beautiful clothes. You will find no other such clothes in the market as we are able to show you; you may do all the looking around that you like; if you want the best your money can buy you must come to us; and you'll come in the end.

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Ethel Walker	Secretary

CASTALIANS.

The Castalian Literary society met for its regular fortnightly program on last Friday evening, Jan. 7, and rendered the following program:

Music Susie Lettner

President's Address... Edna Abel

Reading Clara Gunness

Debate—"Resolved that Woman's Suffrage is Desirable."

Affirmative:—

Emma Welo,
Ethel McVeety,
Amelia Olson.

Negative:—

Elizabeth Hudson,
Mamie Carr,
Eda Flem.

Five of the members acted as judges for the debate and it was with some little difficulty that the decision was made in favor of the negative.

Engineers Dance.

The first dance of the new year was given by the Engineers on last Saturday evening in the College Armory. The hall was tastefully decorated with the college green and yellow and the society colors of red and white. Ropes of crepe paper hung from the center of the ceiling to the balconies. Music was furnished by the orchestra and an enjoyable evening is reported by all present.

GRAIN GROWER'S CONVENTION NEXT WEEK.

Preparations Are Now Complete And Most Profitable Session Is Expected.

The coming session of the Tri-State Grain and Stock Growers Association is expected to be a record breaker. As formerly it will be held in the Fargo Opera House on the 18—19—20 and 21 of January. Larger crowds than ever are expected and it will be quite a problem to find room for all of them, but the management is doing all in its power to make arrangements for handling the crowds.

The convention open Tuesday, Jan. 18th and the program for that day will be of a general agricultural nature. Among the speakers for that day are Rev. C. R. Adams who will give the opening prayer and Hon. R. S. Lewis, opening prayer, Hon. R. S. Lewis,

who will give the welcoming address. Both these men are from Fargo and are prominent in their respective line here. Supt. Hovstad will give an address on manure spreaders, Dean Sheppard will tell us about the use of winter wheat in N. Dak., and Professor Dolve will tell of the advantages of thoroughly tilling the soil. Dean Bolley will speak on plant diseases and their relation to the care of the land. W. J. Spillman of the Bureau of Plant Industry, Washington, D. C., will deliver an address on the relation of grasses to scientific agriculture. Professor Boss of the Minnesota School of Agriculture will talk on crop rotation and soil fertility.

Wednesday the 19th will be Live Stock and Dairy Day, and will be held under the auspices of the North Dakota Live Stock Association. There are quite a large number of prominent dairy and live stock men on the program for that day so that the public can be assured of a most beneficial program. Among the speakers that day are Profs. Richards and Martin of the A. C. Prof. Richards will speak on the new stallion law and Prof. Martin will deliver an address on what dairying has done in other states. O. C. Gregg who is one of the prominent lecturers at the farmers' institutes in this state will also deliver an address on dairying, the title of which will be The Dairy Cow for the Dairy Man.

Mr. Joel Winkjer of the U. S. Dept. of Agriculture will be one of the speakers on this day and his address will deal with the dairying conditions of today.

In addition to these addresses on dairying there will be quite a number of addresses on live stock problems among these is one by Mr. Harry S. Krum, Secretary of the Yorkshire Breeders Association who will speak on The Bacon Hog in The Northwest. Mr. J. A. Powers the Manager of the Helen-lae Stock Farm of Power, N. D., who will talk on the method of producing beef cattle for market, Mr. George McKerrow, Supt. of Farmers' Institutes, who will talk on the use of sheep in mixed farming. Mr. R. A. Wilkinson, Commissioner, G. N. Ry. will talk on live stock on the farm, McLain S. Cooper will tell us how he handles range bred ewes on a North Dakota farm, and Mr. A. E. Chamberlain, Supt. of Farmers' Institutes in S. D., will deliver an address showing what the country fairs do for the Agricultural industry.

Thursday, Jan. the 20th, will be Horticultural Day and will be devoted principally to horticultural subjects. The speakers of the day will be Prof. Waldron who will speak on economic forestry for the northwest, Mr. Gregg who will speak on the use of trees about the farmstead both for protection and ornament, Mr. Brackett a lecturer in the Minn. Farmers, Institute will talk on Northwestern Horticulture, Senator P. J. McCumber who will deliver an address entitled Justification of Organization Among Farmers, Miss Hoover Dean of Women at the A.

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Live Hardware and Implement Dealers wanted as agents. Write for circulars and prices.

C. will speak on The Training of Girls for their Mission in Life, Pres. Worst who will deliver the presidents address, and an American Society of Equity speaker who will give an address in the afternoon.

Then too Thursday is the day when the A. C. Cadet band will give their annual concert.

Friday Jan. 21st will be the last day of the session and the speakers on that day will be W. R. Porter, Superintendent of the Demonstration Farms of the A. C., who will tell us of his work on these farms. Mr. M. F. Greely, the Editor of the Dakota Farmer will talk on the Stability of Northwestern Agriculture, Dean Bolley will talk on the means of keeping the country free from weeds, Mr. W. C. Gilbreath, Com. of Agriculture will talk on The Progress of Agriculture, Mr. Fitz of the Government Laboratory at this place, will tell of the milling and baking tests which are being held at the College, James J. Hill of Great Northern fame will deliver an address on this date.

In addition to these speeches this meeting will be the time for the election of officers for the next year and the convention will wind up any unfinished business on this day.

Misses Englehorn and Herron are late arrivals at the Dormitory. Charles Ruzicka arrived Sunday from Chicago, having spent the holiday vacation at the home of his parents.

Just What He Needed.

"Reginald, dear, you puckered up your lips just then as if you were going to kiss me," said the beautiful creature languorously, as she lay stretched on the beach surveying the frolics of Neptune.

"I intended to," replied Reginald hesitatingly, "but I seem to have got some sand in my mouth."

"For Heaven's sake swallow it," exclaimed the young lady. "You need it badly in your system."—Ex.

Prof.—"A fool can ask questions that a wise man can't answer."

Boy—"I suppose that is why so many of us fail on exams."—Ex.

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The "Store Beautiful"

Scott Drummond is back once more and will resume his work at the college. During the summer and fall Mr. Drummond was engaged in surveying for the N. P., his last work being on a survey which is now in progress in the south western part of the state. Camp life with the temperature ranging to thirty below, proved monotonous and he decided to

come back to the A. C. for the winter at least.

Professor Dolve spent Christmas visiting his brother N. O. Dolve who is an attorney at Velva. Velva is one of the most progressive little cities in the state. It has a beautiful location and has many modern improvements. It would have been almost an ideal place for a normal school.

Attention Is Called To Approaching Contest

Special Declamation Contest To Be Held For Members Of Agricultural Club

Attention has already been called to the Agricultural Club declamatory contest to be held Feb. 18. This is given for the special benefit of Short Course and Farm Husbandry Students altho only Juniors and Seniors are barred from entering this contest. Prizes will be given to those getting first, second and third place. Students should bend every effort to speak in this contest as it gives an excellent opportunity for practice in literary work, and there is also a good chance to win one of the prizes as the competition will be between those who have had but little experience in public speaking.

All those wishing to enter the contest should see Prof. Arvold at once and select a declamation. Contestants should learn their declamations before Feb. 1st in order to give sufficient time for practice for the preliminary contest which it may be necessary to have.

BASKETBALL SCHEDULE PROMISES HARD SEASON

Thirteen Games Now Definitely Arranged For, With Open Dates Still Left.

The season's basketball schedule according to the latest revision is as follows:

Concordia College at the A. C., Jan. 15.

Wahpeton Science School at Wahpeton, Jan. 17.

S. D. A. C., at Brookings, Jan. 19.

Redfield College at Redfield, Jan. 20.

Aberdeen Normal at Aberdeen, Jan. 21.

Jamestown College at Jamestown, Jan. 22.

Valley City Normal at the A. C., Jan. 29.

Fargo College at Fargo College, Feb. 5.

The date for Feb. 12 is still open.

U. N. D., at the A. C., Feb. 19.

Fargo College at the A. C., Feb. 26.

Wahpeton at the A. C., March 5.

U. N. D., at Grand Forks, March 12.

On the whole the schedule is a heavy one and gives promise of a strenuous season for the members of the team.

MILLERS WAGE WAR ON FLOUR BETTLES

Freezing Is Latest and Most Effective Weapon Against Insect Pests.

For some time there has been considerable trouble with flour beetles at the mill and various means have been tried for their destruction. Fumigation was tried during the fall but proved only partially successful as many of the insects were secreted in cracks and crevices where the fumigant could not reach. The latest method employed is that of freezing. The water and steam connections are cut off and the building allowed to thoroughly freeze out. This seems to be the most effective of the methods thus far used and it is hoped to entirely exterminate the troublesome insects in the near future.

The serious nature of this pest

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in mills and store houses is evidenced by the fact that a number of insurance companies now insure shipments of flour against beetles. Insurance can only be had by shippers who take certain precautions against the insects, and this has lead to a regular system of mill inspection in many sections of the country.

Extension Lectures.

High School lectures courses under the auspices of the extension department have been opened at Amenia, Fairmount, Hankinson, Cando, Jamestown, and Crystal. Other places where they will be held are Fessenden, Grafton, Harvey and Larimore. Prof. Doneg-hue opened the course at Jamestown Friday and Dean Keene opened the course at Crystal Saturday by a talk on the Engineering of Agriculture while Professor Waldron opened the series at Amnia.

Miss Ida Billings a former student, is back at the Dormitory again.

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120 Broadway, Fargo, N. D.

PERSONAL

Daniel Herron, a member of the class of '12, has returned to continue his work with the class.

After being absent during the fall term, McLean Cooper is back and will once more cast his lot with the class of '12.

President Worst went to Clifford Saturday where he delivered an address.

Worth Lumry greeted old friends at the Engineer's Dance Saturday evening.

Professor Dolve has 210 students in farm mechanics this term. He has 97 students in one class.

Professor Richards is now comfortably located in his new quarters. More commodious quarters were needed on account of the extra work enforcing the stallion registration law necessitating room for an assistant secretary and a large number of shelves for filing different records.

Mr. Fitz is congratulating himself on the fact that all the important records of the Baking Laboratory were in the mill at the time of the burning of the Chemical building. Only a few of the less important records were destroyed, and the loss of these will cause very little inconvenience.

Two new members have been enrolled for advanced work in the engineering department this term Gunnlogson and Rueber. Gunnlogson is a former student but Rueber is a new man.

Miss Maud Manning, a former student at this institution, recently finished her course as trained nurse and has been honored by being made head nurse, or superintendent, of the hospital at Brainerd, Minnesota.

Prof. Gunness reports the following enrolment in his department for the coming term. One hundred and sixty in gas engineering, two hundred and twenty five in traction engineering and about thirty in the regular three year course in steam engineering.

Prof. Churchill is back after an extended trip through the principle marketing centers of the middle west. He visited Kansas City, St. Louis, Omaha and Detroit where he studied grain markets and the grading and inspection of grain in connection with his work in teaching grain judging.

The regular winter supplies for the Chemical Department arrived Saturday, but will be of little use until the shipments of new apparatus are at hand.

A term's work in Political Economy is being offered once more this year and the class is already a large one with a number yet to come in.

One of our absent minded professors made the mistake of directing a large number of students to a lecture in the Armory on Saturday night where the dance was in progress. On investigation it was found that the lecture occurred some time during the latter part of the fall term.

There are several additions to the band with the beginning of the term. Mr. Nash is back at his old position in the bass section. Mr. Boe is playing first B flat clarinet and Messrs. Holderman and Gunkle are playing second clarinets.

Professor Doneghue has 72 students in the class in farm accounts

Prof. H. at the dance, with a view to engaging a number:

"Are you all full, Miss P.?"
Miss P., (sweetly): "No, but my card is."

Part of the apparatus for the Physiology division of the Veterinary Department has arrived and the remainder is expected at any time. All the equipment is the best that can be obtained.

The class in Qualitative Analysis is being beguiled by a series of lectures until a laboratory can be arranged. This will probably be done within a week.

Railroad traffic is greatly demoralized by the heavy snow, and many of the returning students tell of more or less serious delays on account of the roads being blocked.

The Fairbanks Morse unit lighting plant, which has been expected for some time, has finally arrived and is now installed in the gas engine laboratory.

Bridge is the latest addition to the Alpha Alpha Deltas filling up the vacancy caused by the absence of Chas. Murphy. He was initiated Friday evening.

F. L. Anders, consulting engineer for the city teaches the afternoon classes in mechanical drawing.

R. E. Lembecke is assisting professor Slocum in the Civil Engineering department, having charge of the class in graphic statics.

The judging pavillion is now used from 10 o'clock in the morning until half past five in the afternoon six days in the week. Over two hundred students are now taking this work. There are five first year classes and one advanced class. Prof. Richards is assisted by Prof. Dynes, Mr. Critchfield and Mr. McDonald.

In the recent corn edition of the "Dakota Farmer" appeared a paper by Dean Shepperd on "The Importance of Selecting and Breeding Seed Corn," and another on "Corn Culture in North Dakota," by W. R. Porter, Superintendent of Demonstration Farms. These are able articles and should be read by every student interested in corn growing.

Our basketball team will play Concordia Saturday evening. All students are urged to be present and watch the boys win. New students should bear in mind that all games are free to students on the presentation of their registration card, and therefore should make it a point to be present.

In the February number of the Magazine, Public Libraries there will appear as a leading article "Library Work in Great Britain and Germany," by Dr. Batt.

There will be an entire new list of prizes in the stock judging contests this year as the medals were all won permanently last year. Professor Richards promises some excellent prizes for this year.



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Stapleton has been promoted to assistant in the seed laboratory.

Professor Doneghue spoke in Jamestown Friday on "The Conservation of Soil Nitrogen." This was one of the series of Extension lectures to be given in the high school at that place.

Professor Waldron gave a lecture at Amenia last Friday Jan. 7. This lecture is one of those comprising the lecture course at that place. A number of our faculty members are delivering this series of lectures under the auspices of the Extension Department. The course is for the special benefit of the high schools of the state.

It is becoming a question whether any standing room will be left in the class rooms of the various departments this term. Every garret and all the window sills are well filled, and the members of the faculty are kept busy disposing of the surplus.

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Dean Bolley Attends Scientific Gatherings

Spends Greater Part of the Holidays at Meeting in Boston

Professor Bolley spent two weeks during the holidays in the eastern states and Canada in the interest of the Pure Seed Department. He went as a delegate to the American association for the Advancement of Science, which met in Boston Dec. 27 to Jan. 1. There met in association with this great scientific gathering, many affiliated associations and societies, among which was the American Association of Official Seed Analysts. This is a comparatively new organization, its interests being represented by those officers in the various states whose work it is to enforce the laws enacted in the interests of pure seed—for the definite purpose of exercising some control over the sort of agricultural and garden seeds distributed to the farming public. Any officer connected with a United States Experiment Station, whose official work is to examine seeds, whether the state has a pure seed law or not, may also be members of this association. At this meeting there were eleven voting delegates from the United States, and one from Canada. The chief matters under discussion concerned themselves with regard to the possibility of arriving at uniform methods of analyzing and testing seeds, and also to discuss matters which would bring about as great uniformity in legislation as possible. The meeting proved to be a very interesting one and also a very important one.

As the commercial dealers in seeds in America are of course vitally interested in the enactment of such laws the committee on legislation and the executive committee of the American Seed Trade Association met in Boston at the same time and joint meetings of the two bodies were held. There were present in the American Seed Trade Association representatives of practically every one of the large seed interests of America. Some of the firms represented by their chief officers will indicate the interest taken in the matter:

Farquar & Co., Breck & Co., McCullough of Cincinnati, Peter Henderson & Co., Illinois Seed Co., Albert Dickinson Co., J. C. Robinson & Co., Iowa Seed Co., and the various legal representatives of the Seed Trade Association, and representatives of other companies.

Provisionary rules governing methods, and provisionary suggestions regarding laws were voted upon and recommended for publication. Professor Bolley believes that some of these are very good and represent steps in advancement, and others are equally bad, representing features which will not prove of merit or value to the farming and business public.

Professor Bolley presented two papers at various Botanical Meetings of the American Association, including one prepared jointly by Professor Beckwith and Professor Bolley upon causes influencing deterioration in wheat yields.

The meeting of the American Phyto pathological Society was one of very great interest. There are now over 300 members belonging to this organization and numerous papers of high quality and importance were read or represented. One of the matters of greatest importance brought out at this meeting was the fact that new crop diseases are being brought over from Europe almost every year in importations. One of the most destructive of these troubles is what is known in England as Black Scab of Potatoes, a disease which is said to take practically the entire crop, and for which there is no remedy. This first made its appearance in the Maritime Provinces of Canada two years ago, and it is reported by good authority that seed potatoes were exported into Maine and Boston from that region last year and the disease undoubtedly would go over with part of this seed. Professor Bolley has been well acquainted with the ravages of this disease since his trip to Europe in 1903, and has kept a pickled specimen which he obtained in England, in order that he may recognize it should appear in this country.

It was voted at the Seed Analysts Meeting in January of last year to recommend to Congress that the Secretary of Agriculture be empowered to inspect seeds and when necessary to prevent the importation of valueless seeds and seeds detrimental to agriculture.

At the meeting of the Plant Pathologists in Boston, a committee of five was appointed, of which Professor Bolley was elected a member, with instructions to prepare resolutions to place before congress, urging that the Secretary be empowered to inspect all seeds, vegetables and nursery stock with the power to hold hearings and if necessary suspend or prohibit the importations of any such matters of commerce as may be liable to occur in this country in the destructive crop diseases or parasites. The association believed the matter of so much importance that they also empowered the committee to use every method thought advisable to inform the potato growers throughout the United States of the eminent danger arising from the introduction of this new potato disease, and to recommend that no potatoes be planted without careful examination. Potatoes affected by this new disease have

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a peculiar warty appearance and it is therefore very easily recognized. They are not only scabby but have peculiar wart-like excrescences over the entire surface. In a sick crop of course there are all grades of the disease, and some that are only slightly affected. The chief portion of the crop, however, simply rots in the ground and it is the advice from England that when once affected the ground remains quite persistently useless for potato growing. The disease seems to be more persistent in the ground than our common potato scab. By vote of the American Association all these meetings occur next year at Minneapolis. On his return, Professor Bolley visited the Department of Agriculture, at Ottawa, and spent a day inspecting the methods of work in the Pure Seed Department. He also visited one of the largest of the wholesale seed establishments in Chicago, where he made a special study of their methods of work, specially the methods used in purchasing, handling, and cleaning seeds.