

The Weekly Spectrum.

VOL. XI. NUMBER 12.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, DECEMBER 17, 1907.

PRICE 5 CENTS

Dr. Holley's New Book Now Ready

TREATISE ON PAINTS.

Dr. Holley's Scientific Work Ready for the Public Jan. 1.

"Analysis of Mixed Paints, Colors, Pigments and Varnishes," is the title of a book written by Dr. Clifford Dyer Holley, which is now in the hands of the publishers, John Wiley & Sons, New York, and Chapman & Hall, London. The work will be completed by Jan. 1.

The book is a comprehensive treatise on the subject containing 235 pages and 11 illustrations of test fences and other structures erected at the College. The introductory chapter of some 25 pages is written by Prof. Ladd, and gives a general discussion of paint pigments and matters relating to paint legislation. Of the remaining twenty chapters fifteen deal with quantitative chemistry and physical analysis of paint pigments such as white lead, sublimed lead, zinc oxides, inert pigments and white and tinted paints containing them. Several chapters are devoted to color pigments themselves. Also, an outline and discussion of the methods for the carrying out of practical paint tests and the determination of fineness, covering power and tinting strength of pigments.

The remaining five chapters include "Exercises in Color Making." The methods outlined are deduced from formulas used by manufacturers on a large scale. One chapter deals with Japans and other dryers. Methods of analysis of shellacs, spirit varnishes, and oil varnishes make up two chapters, and the practical testing of varnishes closes the book.

The work is designed to fill a long felt want, there being no sincere concise work that serves as a guide to the young industrial chemist who desires to make a complete analysis of a can of paint and to interpret his results in a rational manner. It will be of untold value to both the student and the technical chemist who wishes to work along these lines.

Dr. Holley is a recognized authority on paint questions. He has recently accepted a very advantageous position with the Acme White Lead and Color Works of Detroit, Mich., as head of the investigation and research department. The position is an exceedingly responsible one as the Acme Co. already have the largest paint and varnish factory in the world and are contemplating extensive additions in the next year or two. At the present time they are just completing one of the largest white lead plants in the country using a process which is a marvel of chemical ingenuity. Dr. Holley will be given full latitude to develop new processes and improvements. He has already had several years of commercial and technical experience, and is admirably fitted to fill the position.

NEW USHERS.

At the close of the convocation exercises last Monday Pres. Worst announced the following appointments for chapel ushers for the next term: Agnes Halland, Leslie Wheeler, and Allen Clark.

NATIONAL CONSUMER'S LEAGUE.

The National Consumers League of America, at a conference recently held in Cranford, N. J., passed the following resolution: "Resolved, That this conference endorse the work of Commissioner E. F. Ladd of North Dakota, to have bleached flours labeled so that the consumer may know when low grades of flour have been bleached to resemble the better grades."

Here one of the most influential organizations among the consumers of the United States has taken a stand in favor of the attitude of Commissioner Ladd, and their influence will go a long way in shaping sentiment, which, at the present time, in New York state, is not at all favorable to bleached flours.

Now that the representative and leading women of the country, backed by the most influential food men of America have set the seal of disapproval upon bleached flour it looks as though the millers would have to consider the wishes of the people unless they desire to gain the publicity and notoriety which came to the meat packers who would not heed the government warning.

Convocation

Dr. McVey, of the Minnesota Tax Commission, was to have addressed the students in Chapel last Monday, but on account of official business was unable to appear. In his stead Prof. Minard opened the exercises by calling attention to the fact that Tuesday was the centennial of the birth of the great poet, John Greenleaf Whittier. Prof. Minard gave a brief sketch of the poet's life and concluded his few well chosen remarks by reading selections from "Expostulation," "Ichabod," "Laud Deo," "My Triumph," and the "Barefoot Boy."

The College Glee Club favored the assembly with an excellently rendered selection and responded to an enthusiastic encore by singing "The Yellow and the Green."

Dr. Batt, of the Department of Modern Languages, was then introduced and announced as his subject "As Others See Us." He explained that although the world is growing more cosmopolitan every day there still exists considerable misunderstanding among the people of one nation concerning those of another, and proceeded to give the students some specimens of English and German views of the American people. "It may seem queer to us," he said, "but one of the comments made is that, as a nation, we are quoted for our waste of time and our waste of natural resources."

Pres. Worst closed the exercises by wishing the students all a merry Christmas.

This has been an exceptionally fine season for the civil engineers, and they have taken advantage of it. Almost every day the boys have been out gaining valuable experience.

The Paint Law

The North Dakota Paint Law has been declared constitutional by the Supreme Court of the United States. This gives Prof. Ladd another important victory in the courts. The decision just handed down by the supreme court is one of the most important as defining the rights of the state to fix standards of purity for products other than foods. At the same time, since the regulation of food products is considered a matter of health regulation, it clears away many contested points with regard to the right of the state to establish standards under the Food and Drug Laws.

North Dakota did not seek to take from any manufacturer any rights which he possessed. It simply classified paints and required that those which did not come up to the standard should show upon the label wherein they differed from the standard. It has thus been held by the highest court of the land as reasonable and a just exercise of the police power of the state, and not repugnant to the 14th Amendment of the Constitution. Hereafter there will be but little question as to the right of the state to establish reasonable standards of purity.

While it is true that a strong legal fight has been going on between the paint manufacturers and the state officials of North Dakota, at the same time, there has

been the closest co-operation in work between the manufacturers of various paints, and Prof. Ladd, who has been conducting, during the past year, one of the most comprehensive of paint experiments probably ever undertaken in this country. Several tons of paint have been employed in conducting these paint tests. The experiment will be continued for several years, and the outcome will be watched with much interest by the people in all parts of the country.

Prof. Ladd stated that there would be no deviation in the future from the course which had been followed in the past with regard to enforcing the law, requiring all paints other than of statutory composition, to be plainly labeled.

Prof. Holley is now engaged in writing a report of the experiments which have been conducted during the past year, and it is hoped that these results will be published and available for distribution in the near future.

ASSISTANT IN BLACKSMITHING.

Mr. W. M. Goodheart of Georgetown, Minn., has been secured to assist Mr. Chisholm in the shop during the winter term. Mr. Goodheart is highly recommended in this line of work. He is an expert in mechanics generally.

Maybe the College band will make a tour this winter.—Maybe.

CHEMIST HERE.

On Monday Mr. Eisenschiml, chemist of the American Linseed Oil Co., spent the day with Prof. Ladd discussing the matter of linseed oils, their purity, methods of adulteration, and how best to deal with this class of products.

Mr. Eisenschiml, from his experience in manufacturing, was able to present a great deal of interesting data that will prove useful to the department in arriving at a correct understanding of the composition of linseed oils produced from various types of commercial seed.

PAINT EXPERT.

Mr. J. B. Campbell, representative of the Paint Manufacturers' Association of the United States, was at the College during the later part of last week to make an examination of the co-operative paint tests before the winter set in. This association furnished part of the money for the carrying out of these experiments and the paints were prepared under their direction. Mr. Campbell spent nearly all of last summer at the College aiding in the launching of the experiments.

PRELIMINARY DEBATE.

Last Tuesday occurred the preliminary debate at which were chosen the speakers for the Fargo College debate. W. P. Heath, Ed. Moore and Lynn Miller were chosen as the representatives of the institution.

MILLING WHEAT.

There is to be conducted by the Chemical Department a large series of experiments in the milling of wheat of various grades grown under various conditions and some very interesting results are already being secured. Not only are complete milling tests made, but also baking tests are made of the several grades of flours produced; many bleaching tests are being conducted in the Laboratory as well as the determinations of the gluten; and it is expected that later in the season a bulletin will be issued giving the results of these investigations.

The farmers of the state are taking a great deal of interest and are submitting samples of wheat for examination, and to determine the true milling and baking qualities of the flour produced. Recently two samples of winter wheat, one grown in Grand Forks and the other in Cass County, were examined, and are now being tested for their baking qualities.

HOLLEY APPOINTED.

Dr. Holley has recently received his permanent appointment as U. S. Food and Dairy Inspection Chemist, and is placed on the "per diem" roll, having satisfactorily completed his six months' probationary period. As will be remembered, Prof. Holley was one of the ten, out of 367 food and dairy chemists, who were successful in passing the civil service examination for chemists under the new government food and dairy law.

The engineers have purchased a basket ball and are practicing every day from 12:30 to 1:30. They hope to get into the inter-department games.



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CONTEST PRIZES IN E. P. SUNDBERG'S WINDOW.

SOCIETY

ATHENIANS ELECT.

A business meeting of the Athenian Literary Society was held in chapel last Thursday, Dec. 12 for the purpose of electing officers for the winter term. The following officers were elected:

President, Rex. E. Willard; vice president, Peter Olson; secretary, Cecelia Elyofson; critic, Genevieve Holkesvig; sergeant-at-arms, Chas. Michels; director of music, Ray Babcock.

SOPHS. MEET.

The Sophomore class held a class meeting Wednesday afternoon at 4:30. The meeting was called principally to consider two or three proposed amendments to their constitution.

ATHENIAN PROGRAM

Despite the inclemency of the weather, the Athenian Society room was well filled Friday evening and the program proved to be an interesting one. The first number was a piano solo by Miss Agnes Peterson. The chief feature of the program was a debate, the question being: "Resolved, That it would be for the best interests of the institution that one year's attendance be required before a student is eligible to participate in any inter-collegiate contest." The affirmative was upheld by William Whitcomb and Carl Myhre, and the negative by Ray Babcock and John Pease. Strong arguments were presented by both teams, the question being a live one. The judges were unanimous in their decision in favor of the affirmative. The Athenian orchestra, consisting of Messrs. Horner, Ray Babcock, Hendrickson, Hilborn and Myhre, accompanied by Miss Evans, played a selection after which locals were given by Mr. Phelps. The original story by John Magill was interesting and well written. Mr. Dynes then acted as critic. The program closed with another selection by the orchestra.

A short business session was held at which the new officers were installed and other business transacted.

MISS GRASSE'S RECITAL.

The recital given in the College chapel, Thursday evening, Dec. 12, by the pupils of Miss Grasse, was rendered very creditably. Almost all of those who took part are members of the first year classes. The entire program passed smoothly and successfully and much credit is due Miss Grasse for the excellent manner in which her pupils are trained. This is the first

of a series of recitals to be held throughout the year.

FACULTY ENTERTAINED.

Monday evening, Dec. 9, Miss Childs and Mrs. Ash entertained the members of the faculty and their wives at the Dormitory from 8 to 10 o'clock. During the evening piano selections by Miss Lockery were enjoyed as well as some vocal music by Profs. Beekwith, Householder, and others. Refreshments of chocolate and wafers were served. All spent a pleasant evening. A social evening of this nature will be held monthly in the future that the members of the faculty may become more intimately acquainted with one another.

Y. W. C. A.

Owing to the inconvenience of the hour arranged, the period for Mrs. Bell's Bible class will be changed from Friday afternoon at 4:30 to a time when more of the girls can attend. No definite hour has yet been arranged for but one will be announced later.

Report of the Geneva Delegates.

Instead of the regular devotional meeting Wednesday evening, the time was given over to a report of the Lake Geneva Conference held Aug. 30 to Sept. 10, at Lake Geneva, Wis. The report was given by the three delegates who attended this conference: Misses Childs, Rice and Matilda Thompson. The guests of the evening were the Y. W. cabinet members of the Moorhead Normal School. The meeting was presided over by Genevieve Holkesvig. Miss Mabel Piers sang the solo, "O, Gently Lead Me," after which Miss Thompson presented "The Religious Influence of the Conference," by outlining a day's program and giving the summaries of the principal addresses. Miss Rice then gave a very interesting paper on "The Recreation and Social Side of Geneva." She gave an account of the various excursions to points of interest, the College day exercises, as well as the boating, tennis, and basketball contests. The next number was a duet, "Hopes Beyond," sung by Misses Louise Doleshy and Kathryn Grest. Following was a talk on the "Impression of the Conference on Those Who Attended," by Miss Childs. She expressed definitely the influence felt after spending ten days in such a beautiful spot of nature in daily contact with the truest and most beautiful Christian characters. The privilege of attending such a conference is indeed great. After dismissal a social half hour was spent and light refreshments served.

SENIOR CLASS MEETING.

Tuesday afternoon at 4:30 the members of the Senior class met to take measurements for, and to order, their caps and gowns. No official time has been specified, but it is rumored that they will make their initial appearance clad in cap and gown the first Monday of the new year at Convocation. At this time the class were invited to a house party at the home of Miss Hicks at Hickson, which invitation was most gladly accepted.

PHILO PROGRAM.

Friday Evening, Dec. 20, 8 O'clock
Piano Solo—Clarence Plath.
Original Poem—John White.
Serial Story, Chap. II—Hazel Folks.
Philo Orchestra—Selection.
Declamation—Georgia Congden.

Reading—Leslie Wheeler.

Horn Solo—J. Allen Clark.
Original Story—S. V. Anderson.
Local Events—W. P. Heath.
Piano Solo—Alma Leeb.
Piano Solo—Alma Leeb.
Business session and election of officers.

Y. M. C. A.

The first of the Y. M. C. A. mid-week meetings was held on Wednesday evening of last week. Prof. Seaver was present and spoke on the "Value of High Ideals" differentiating between the right kind of high ideals and the wrong kind of high ideals, the latter being the unattainable to man in his present state. After Mr. Seaver's talk the meeting was open for discussion. All report a profitable hour. The next meeting will be held Wednesday evening at 7:15 p. m. in the Music Hall. All young men are invited.

DEBATE CLUB.

There will be a big meeting of the Debate Club in Francis Hall Saturday evening, Dec. 21, at 8 o'clock. The program will consist of an open discussion of the Parcels Post system. All members are requested to be present as this will be the last meeting of the year. Election of officers for the next term will occur at this meeting.

'09.

The Juniors held their regular weekly meeting in Room N last Tuesday. The only business of importance was in connection with the 1908 Agassiz.

He—"May I print a kiss on your ruby lips?"

She nodded sweet concession.
He went to press, and I rather guess

He printed a large edition. —Ex.

It is a wise owl that knows his own hoot.—Ex.

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"THE PROFESSOR'S PREDICAMENT."

The Edwin Booth Dramatic Club of the A. C. will present in the winter term, "The Professor's Predicament." This is a comedy particularly adapted to college life. Prof. Arvold announces the following cast of characters:

Arthur Holcomb, H. D. L. M.
D. D. M. S., Ph. D., Professor of Physics at Harvard, Ed. Moore
Harold Baxter, Member Boston Stock Exchange, W. G. Wheeler
Richard Newell, Harvard College Boy, '06. Kent Darrow
Thomas Warren, Harvard College Boy, '06. John White
Homer Featherstone, Artist. Lynn Miller
Staples, Man of Mystery. Chas. Clark
Josiah Simpkins, Who has a Scheme. W. P. Heath
Felix Simpkins, Not Such a Fool as He Looks. Leo. K. Nemzek
Miss Fanny Winthrop. Miss Katherine Childs

GOOD POSITION.

Geo. P. Grout has lately been offered the position of assistant dairyman of the Minnesota School of Agriculture. Mr. Grout has been selected for this work especially because of his training along dairy lines, and it is a matter of especial interest to students of the North Dakota Agricultural College and of credit to the Department of Bacteriology that Mr. Grout has received this appointment, as it indicates that it is possible to get a high type of training in the lines of agricultural and dairy bacteriology in this institution.

Mr. S. (going to a dance)—This bad cold of mine has rather put a damper on my spirits.

Bright One—Then put some spirits on your damper.

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Prof. B.—Miss H., you being a student of psychology, may give us an explanation of the movement of motile bacteria.

Miss H.—Instinct.

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- SECOND PRIZE—\$10.00 Bracelet, purchased of E. P. Sundberg.
- THIRD PRIZE—\$5.00 Bracelet, purchased of E. P. Sundberg.

RULES GOVERNING THE SPECTRUM POPULARITY CONTEST.

- This contest will open at 9:00 A. M. Nov. 26th, 1907, and close at 5:00 P. M. Feb. 14th, 1908.
- Only those young ladies who are enrolled for a course of study at the North Dakota Agricultural College are eligible to compete in this contest.
- Nominations will be made only by paid up subscribers of the Weekly Spectrum.
- A nominee may withdraw her name at any time but her votes shall not be transferable to another contestant.
- Nominations may be made at any time during the contest.

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

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

- Contestant shall be required to turn in to the committee the list of new subscribers 3:00 P. M. each Friday. No name will be accepted as a new subscriber unless accompanied by the full subscription price.
- After having a weekly report checked off and signed by a member of the committee the contestant shall receive a certificate of the number of votes to which the report is entitled.
- The committee shall formulate any new rule which they shall deem advisable and shall enforce the same.
- No commission will be paid solicitors of Spectrum subscriptions.
- Any one may assist contestant in securing subscriptions.

- Up to Jan. 1st subscription price of the Spectrum shall be 85 cents. From Jan. 1st to close of contest the subscription price shall be 75 cents. Votes shall be allowed as follows:
A. C. subscriptions up to Jan 1st 85 votes.
A. C. subscriptions after Jan. 1st 75 votes.
Out of town or Fargo subscriptions up to Jan. 1st 175 votes.
Out of town or Fargo subscriptions after Jan. 1st 150 votes.
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STOCK JUDGING CONTEST.

Iowa State College Leads.

Prof. J. H. Shepperd was superintendent of the big stock contest held in Chicago last week. There were eight institutions represented by teams of five members each. State Colleges of Iowa, Washington and South Dakota, Agricultural Colleges from Missouri, Kansas, Texas and Ontario, and the University of Ohio made up the list of teams. In the individual judging over fifty competed for honors.

Two trophies are given at the contest. One is given to the institution whose team wins three times in the judging of horses. This trophy consists of a very beautiful bronze horse. The other is an artistic bronze bull, which becomes the property of the institution winning three times in the

combined judging of cattle, sheep and swine.

The former was won this year for the third time by Iowa State College. The latter became the property of the Ontario A. C. this year.

Eight individual cash prizes are given by the McLaughlin Breeder's Association. Iowa students won five of the cash prizes.

On account of the financial depression it was feared that there might be a scarcity of stock displayed but the contrary was the case. More stock was exhibited than ever before. A peculiar incident was the fact that 25 percent of the best stock was better than ever before and the poor stock was poorer than formerly.

The attendance was good, probably over 12,000 people being in the huge pavilion.

A great feature was the display

in the evening. But little judging was done at night. Various performances of animals and teams were carried through, which were very pleasing. Beautiful coach horses and gigs were shown and judged. There was a competition of six-horse teams, representing Armour, Swift & Co., and other large firms. These were chiefly Percheron horses attached to fancy wagons. The fancy driving was very excellent. A parade, consisting of breeds of horses from various countries, was unique. Bag-pipe players appeared with various breeds of horses from Scotland. Coach horses of Europe were shown. King Edward's coach horses represented England and Percheron horses represented France.

The highest jumping horse was ridden by a lady. The animal jumped between seven and eight feet. Cavalry drill and bare back riding were features of great interest.

The Grand Championship prize on cattle was given on "Andy," Minnesota's famous Aberdeen Angus. Half of the Grand Championships have gone to the agricultural colleges and experiment stations in the last eight years. This speaks well for these institutions.

W. S. C. F.—OFFICIAL ORGAN.

A new international journal for students is announced for Jan. 1, 1908. It will be the official periodical of the World's Student Christian Federation, the organization that unites the various national movements for promoting Christian work among students. The new magazine will be published in English. Mr. John R. Mott will be the editor. It is to be issued quarterly from the office of the Federation, 3 West Twenty-ninth street, New York. The magazine will be a newspaper only in the sense that it will chronicle the most important events and call attention to achievements in Christian work among students in all parts of the world. Real contributions of knowledge of the conditions of student life in various countries will be published. One article will appear in each number dealing with the problems of the student's personal religious life. Considerable space will be devoted to discussion of the best methods of dealing with the great problems of Christian work as carried on in the various countries. Reviews of books of international interest to

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students will be a feature and editorials will appear in each number. The point of view will be international rather than local or national. Contributors to the journal will be persons of international acquaintance with student Christian work.

POLITE VAUDEVILLE. One of the best pastoral sketches now in vaudeville is scheduled for appearance at the Grand the coming week. It is entitled, "Mandy Hawkins," and has been styled the "Way Down East" of vaudeville. Mr. and Mrs. Danny Mann will unfold the pathetic little story, and though at times it will bring the moisture to one's eyes, there still remains a certain amount of humor, supplied by Mr. Mann as Uncle Hank, humor that is supplied almost unconsciously by the player, so does the part fit him and so frequently has he portrayed the kind-hearted old gentleman. Mrs. Mann as Mandy will quickly win the sympathy. Rural simplicity is pre-eminent throughout the playlet, which will be found to be not only entertaining, but positively restful, in that it differs so materially from what one is accustomed to seeing in vaudeville. The sketch is well mounted in a scenic and electrical way. The Four Brown Brothers and Doc Kealey will submit their big musical act, during which they will introduce the largest saxophone in the world. Buckley and his dogs will be the greatest added attraction that the Grand has brought forth, along with Aamon and Burns, the singers, and Rudd's union orchestra, new moving pictures and new songs will make one of the strongest bills since the house was opened to the public Dec. 24, '06.

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Miss C. (as the door opened)—Is that Nan and my little brother? Oh, I mean, is it Charlie and my little sister?

The Hub is the store for College boys. Moorhead.

Miss C. (as the door opened)—Is that Nan and my little brother? Oh, I mean, is it Charlie and my little sister?

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S. G. ROBERTS, ATTORNEY AT law, Henderson Block, Fargo, N. D.

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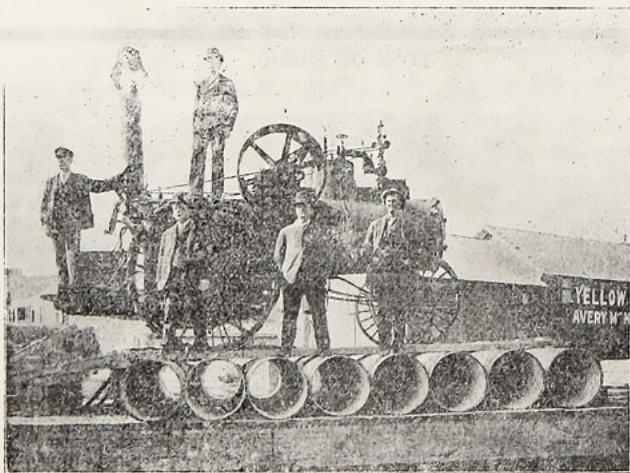
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The Weekly Spectrum

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

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EDITORIAL STAFF

V. C. Parker.....*Editor*
Wilfrid P. Heath.....*Business Manager*
Rex E. Willard.....*Associate Editor*
Mathilda Thompson.....*Society Editor*
A. P. Murphy.....*Sporting Editor*

REPORTERS

Levi M. Thomas.
Agnes Halland.
Kieth H. McGuinn.
Nan Childs.
Peter Olson.
S. V. Anderson.
Kathryn Grest.

GREETING.

To our President and faculty; to all our friends and schoolmates, we wish a merry Christmas and a happy New Year. May we have the close friendship, sympathy and co-operation in the future that we have had in the past. May we enjoy our holidays and our vacation and may we return each with an individual resolution to "Go thou and do more so."

OUR SUPPLEMENT.

This is the last issue of the Spectrum for the term, and in view of the fact that the next issue will not come out until January 7, 1908, The Spectrum takes advantage of its readers to administer a double dose of the "freedom of the press" this time. As we have occasionally been severely criticised for our lack of literary material we also take advantage of this fact to make our supplement a literary one.

The stories and poems appearing in the appended sheet are nearly all the work of student pens, and we beg our critics not to take too seriously any of the plots presented, but rather to consider them as a natural outgrowth of an environment of English classes, literary society work and fair coeds; any or all of these things being sufficient to drive the most prosaic mind into the romantic and sentimental, and even tempting some staid and sober schoolmates into verse.

We beg also to announce that in the future we intend, if possible, to make the literary side of our publication a more important feature than it has been in the past, most of our energy heretofore



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DON'T GIVE UP.

"If at first you don't succeed, try again," is an old proverb that will apply to examinations as well as anything else. Don't give up too easily. If you are not successful in all of your exams, the first time you try, come back next term with the determination to try just so much harder next time. Failure is, of course, to be deprecated, but failure, especially the first failure, should never cause complete discouragement, but teach the lesson of perseverance. Don't be a quitter.

THE RIGHT SPIRIT.

Now that the preliminary debate for the purpose of choosing our representatives in the inter-collegiate is over, we should bear in mind our duty is not entirely done, and should each and everyone make it a point to see that we do all in our power to help them win. We understand that already a secondary team has been organized with the avowed intention of giving our representatives a stiff brush or two with the real thing in the line of argument for the other side, and either making them work to keep their places or get off the team. This is the proper spirit and the members of the team are the first to say so. They realize that without some hard scrimmage work they cannot expect to buck their opponents' line successfully. Three or four secondary teams would be so much more material for them to test their strength. Let the good work go on.

Those who have attended chapel at other institutions have been impressed with the order and attention given the speakers who addressed the students. The disorder is more than noticeable occasionally at our own convocation exercises. If the discipline committee or some one in authority would take it upon themselves to make an example of some of the chronic talkers, matters might at least be improved.

Those who have attended chapel at other institutions have also noticed that the members of the faculty are always present. If all the faculty are needed to keep order, then we hope that all of our faculty members will be present. It would at least be a good example to the students whom they so much desire to attend.

Valley City Normal is also amending its athletic constitution. Shake!

Varsity is talking about changing its colors. Can the leopard change its spots?

Profits of the Standard Oil Co. should increase rapidly during the exams.

A student came up with a pair of skates the other day and—after looking at the rink—went back to file the ends off of them so he could get on the ice.

The committee on receptions reported. Now it's up to John D. to pay his fine.

Christmas may be merry—but examination week isn't.

WHY NOT?

Why not dig up the agricultural papers that now repose beneath their coverlet of dust in the Library store-room, and give them place in the reading room at least

NO VACATION.

To accommodate pupils from a distance and those who do not want to lose any time, the Dakota Business College will continue in session during the holiday weeks. This will be an excellent time to enter school as the attendance will not be so large and more help can be had by the beginner.

The North Dakota Agricultural College

FOR COMPLETENESS OF EQUIPMENT AND FACILITIES FOR INSTRUCTION IS UNSUR-
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The College Department offers five full Graduate Courses viz:

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THIS COLLEGE

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

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

THE LABORATORIES

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

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

WRITE TO THE PRESIDENT FOR CIRCULARS AND CATALOGUE
WINTER SHORT COURSES BEGIN JANUARY 2.

equal to that given the college exchanges? Why not call the attention of the students to the fact that we are supplied with the best current farm literature, even at the possible expense of one less general reading table? Why not post up while here in College, fellows, as to what the cream of the farm literature is, where it is published, and what it contains? Why not ask for this—and get it?
H. J. H.

VACATION.

Official Announcement.

Registrar Parrot has given authority for the following announcement concerning the holiday vacation:

Vacation begins Thursday, Dec. 19, at 4:30 p. m.

Registration for winter term begins Jan. 2, at 8 a. m.

All students having registered before leaving for home do not need to report to classes until Monday, Jan. 6, at 8 a. m.

Registration for the short course in pharmacy will begin Jan. 7.

LOTS OF MUSIC.

Just to show that everybody works but father over in the Music Hall (and Dr. Putnam is thinking seriously of putting father to work also) it might be interesting to note that there are now sixty men taking band work, of whom thirty-five are in the first band and twenty-five in the second. Miss Grasse has twenty-six piano pupils and six in voice. Mr. Froyssaa has eight pupils on the violin and is now spending both Tuesday and Wednesday of each week at the College. Besides all these there are still to be considered a number of musical organizations such as the glee club various quartettes, etc. Altogether there are at the present time about 110 different people taking musical work at the College and Dr. Putnam expects many more during the next term.

NURSES VISIT LAB.

Last Tuesday afternoon a number of the nurses from St. John's Hospital, of the city, spent the afternoon in Dr. Van Es's labora-

tory, where they were entertained by an interesting talk on the "Routine Diagnosis of Pathogenic Material," Dr. Van Es being the speaker. The young ladies evidenced much interest in the laboratory and its fittings and one expressed an enthusiastic desire of some day becoming a full-fledged surgeon.

BOARD OF TRUSTEES.

On Wednesday of last week the College Board of Trustees met in the board room in the Administration Building. The regular order of business was taken up. Mr. John Bruegger of Williston was present and stated that the Williston sub-station will start work in the near future.

Dinner was served to the Board by the Domestic Science Department in Francis Hall.

J. W. OARD, THE BARBER

Basement under Holmes' Clothing Store.

Merry Christmas

"THE NIGHT BEFORE CHRISTMAS."

'Twas the night before Christmas, when all through the flat
 Not a creature was stirring, not even the cat.
 Above the steam heater the stockings were placed
 In hopes that by Santa they soon would be graced.
 The children were snug in their wee folding-bed,
 While visions of Teddy-bears danced through each head.
 And I, in pajamas—likewise in a grouch—
 Had gone to my patent convertible couch,
 When out on the asphalt there arose such a clatter,
 I sprang from my bed to see what was the matter.
 A mantle of darkness enshrouded the room,
 The "quarter" gas meter had left us in gloom,
 But, after detaching a chair from my feet,
 I threw back the curtain and looked down the street.
 The arc light shone bright on our new garbage can
 Awaiting the call of the D. S. C. man;
 And what did my wondering optics devour
 But a big touring-car of a hundred horse-power
 With a business-like chauffeur, so shiny and slick,
 I knew in a jiffy, it must be Saint Nick.
 As dry leaves before the wild hurricane fly,
 He ascended the fire escape—nimble and spry.
 I drew in my head, and was turning around,
 When in through the air-shaft he came with a bound.
 His coat was of broadcloth—the finest I've seen—
 Though it smelled rather strongly of fresh gasoline.
 A bundle of banknotes he had in a sack,
 And he looked like a winner just home from the track.
 His cheeks were like roses, his nose like a cherry;
 He'd the air of a man who is satisfied—very!
 A fragrant Perfecto he held in his teeth,
 While its smoke crowned his ten-dollar tile like a wreath.
 He had a broad face and a well-nourished belly
 That shook, when he laughed, like a bowl full of jelly.
 He was chubby and plump, but a shrewd-looking guy,
 And there gleamed through his goggles a keen little eye.
 He spoke not a word, but the foxy old elf
 Just walked to the mantle and laid on the shelf
 A letter, typewritten in businesslike style;
 Then down the dumb-waiter he sped with a smile,
 He jumped in his car, and with three loud "honk-honks"
 He whizzed round the corner and off toward the Bronx.
 I opened the letter, the message I read,
 And then I crawled silently back into bed;
 For here's what I saw, with dismay and disgust,
 "Retired from business; sold out to the trust."
 —Carl Werner in Saturday Evening Post.

few over the head with the butt end of his quirt. Now this professor guy didn't like that a little bit, and he hollers "Quit that," at Mike, and, walkin' up to him, he says, "See here, Mister, I'm a member of the S. P. C. A. an' I won't stand for no such treatment of a horse nohow."

Mike looks him over a while, too mad to speak, and then he says: "I ought to give you a dern good lickin' no matter what dog-gone lodge you belong to, but 'stead o' that I'm goin' to make you a present of this here blanked cayuse 'n you can feed him on a bottle of you want to," and with that he pulls the saddle and the bridle off, leavin' the professor and the pony eyein' each other in the middle of the street. I reckon they was both too much astonished to know what had happened until some feller puts a piece of rope around the pony's neck and hands the other end to the professor.

"Bye-an'-bye th' professor comes to and marches the pony up to the livery barn, where he tells the man to feed him oats three times a day and take good care on him, 'cause he's been treated bad. That's where all the professor's troubles started.

"Now the professor'd seen what the pony could do in the buckin' line, so he didn't dast to ride him,

would have him, and it seems there was some kind of a law in that S. P. C. A. lodge the professor belonged to, against shootin' horses, so he couldn't even do that.

Well, it wouldn't have taken more'n a month of that racket to bust an insurance company, so the professor done the next best thing, an' one mornin' he turns up missin' at the hotel. Bimeby they finds out that he'd took the night train east, leavin' the cayuse on the hands of the liveryman, grat-us.

"The liveryman? Oh, he just turned that pinto loose and along comes a huntin' party of Sioux one day and borrsers him offen the range, but as the liveryman never took no trouble to find him, it sure must have been an awful joke on one of them Sioux.

V. C. P., '09.

A "Scab".

We had had a big time on the train that night, going home for the Xmas vacation, and besides, had had a little impromptu party at home, where I managed to stowe away several bushels of popcorn, candy and apples. Consequently I was ready to sleep

in his night shirt, his bare legs and feet showing beneath its skirt, and on the donkey's back, a beautiful woman. The moon shone full on her countenance showing a full sweet face and the long waves of hair about her shoulders.

Our dog, being a trifle leary of bare shanks, was just closing in on the donkey's heels, when I called him off, thus attracting the attention of the young man. He looked up and called, "Say, sonny, do you know where I can get lodgin' for my wife and donkey?" I never did like to be called "Sonny," and it made me a little huffy. I yelled back: "Don't know about your wife, but you'll find lodgin' in jail if you don't get some pants on pretty shortly." But he was there with the goods and came back with: "Say, its no skin off your legs if I go naked, is it? But, say," he continued, "my wife isn't feeling very well and ought to be in bed." "Hotel one block west," said I. "Yes, but it's run by a union man; no chance for a non-union carpenter there. Tried to get in." "What?" said I, "Don't you belong to any union?" "No," said he. "Don't believe in them." "Sic 'em, Tige," I yelled to the dog, and the donkey "lit" out with the dog at his heels, and

That Pinto.

It was on a west bound train out of Chicago, at an unearthly hour in the morning, that I turned to the smoking car and a large black cigar, as a means of whiling away a weary hour, until the dark visaged son of Ham from the rear should announce, "Fust cal' fo' breakfas' in de dinin' car." Across the aisle from my seat were two, turned to face each other, and in them sat three men, who, from their appearance, I concluded were cattlemen, probably returning to the range from the successful sale of a train load of stock in the Chicago market, and subsequent events proved the accuracy of my guess. Evidently they were engaged in a conversation recalling various exploits and anecdotes of that land to which we were then speeding, across the mottled fields of Illinois.

"Did you ever hear about that pintoed outlaw that Mike Horn gave to the tenderfoot professor?" commenced the man who sat alone in his seat facing the other two. "Didn't, eh? Well that was sure a good one on the professor.

"You see, Mike bought a pintoed pony from a travelin' band of Crows onct, for two pounds o' Climax and an elk tooth that he'd found somewheres. Now that there pinto was sure a fine lookin' pony, as cayuses go, but he wa'nt broke to nothin' and they wasn't a Crow brave in the band that could get within jumpin' distance of him, but Mike didn't know that at the time, or maybe he wouldn't have paid such a high price for him. Howsomever, Mike looked at his teeth, an' concluding that he wa'nt more'n ten year old at the most, he made the trade and broke him to the saddle as well as he could. He didn't have such a howlin' cinch of it, though, for the

pony threwed him two or three times and come pretty nigh spoilin' his complexion in a patch of cactus more'n once. The worst of it was that the blame pony'd be as gentle as a baby for a week at a time, and then he'd get somethin' in his head and pile Mike off onto the prairie before he knowed what struck him. It didn't take much of this kind of business before Mike was dead willin' to trade that pony for most anything useful or ornamental on the range, just for the sake of gettin' him off his hands, and after a while it come to be a standin' joke around the ranch that when one of the boys had somethin' to throw away, he'd take it over to Mike and offer to trade it for the pinto.

"Thing went along that way for a good while and Mike was gittin' purty tired of that pony's antics, when he went to town one week for the mail. It jes' happened that the day Mike went to town one of these here fellers that calls themselves professors and goes around with a hammer, and their pockets full o' rocks, had stopped there to do a little prospectin' around the country, and was standin' in front of the post office when Mike comes out. Mike, he'd just got a letter from that girl o' his'n back east, and weren't in no condition to know whether he was gettin' on a horse or on the water wagon, but you bet that there pony knowed, and Mike ain't no more'n got in the saddle when down goes that pinto's head and up goes his heels, and Mr. Mike—he lights in the middle of Main street, hard, with the pony lookin' on kind o' unconcerned like, and very pleasant. They was quite a bunch of fellers standin' around the postoffice, and of course they all gives Mike the laugh for gettin' himself throwed that-a-way, but Mike felt purty mean over it, so he perseeds to give the pony a

but one day he has him hitched up in a single buggy, an', by jinks, he went all right; jes' as gentle as a lamb, so the professor figures to make a trip with him two or three miles out of town, and get some more rocks. Well, the next day they hitches him up again and they starts out o' town; the professor lookin' as proud as a squaw smokin' a cigarette. In about half an hour they comes back, the professor leadin' the pony with one of the lines tied around his neck, and that evenin' he pays the liveryman \$65 for the buggy, of which there wan't enough left to make souvenirs.

"That's the way it went for the next two weeks; \$20 for a colt the pinto'd kicked to death in the livery stable, and about \$5 more for some halters he'd smashed tryin' to steal some other hoss's oats. Must have cost the professor quite a roll to keep that pinto in the livery barn, but no matter what else he'd done, that pony'd never run away, and the professor couldn't give him away 'cause no one

when I crawled into bed about half past one.

I had just dozed off when I begin to dream of the dog barking and howling in the yard below my window. That infernal dog kept yelping until finally I opened the window and stuck my head out to yell at him. It was a fine night, the moon was full and the sky clear. I could see across the country for miles.

The dog quit yelping when I spoke to him, but continued to bristle about the yard and growl as a dog will when he sees something strange. Just then a sound rang out that sent the shivers up my spine. 'Twas the bray of a donkey. Now, when a donkey brays, he throws his whole soul into it, and, coming in the still cold air, the monstrous waves of sound fairly shook the windows and even the moon quivered.

There, coming up the street of the little village, was the biggest-eared, most bow-legged little donkey outside of a comic supplement. Beside him walked a young man

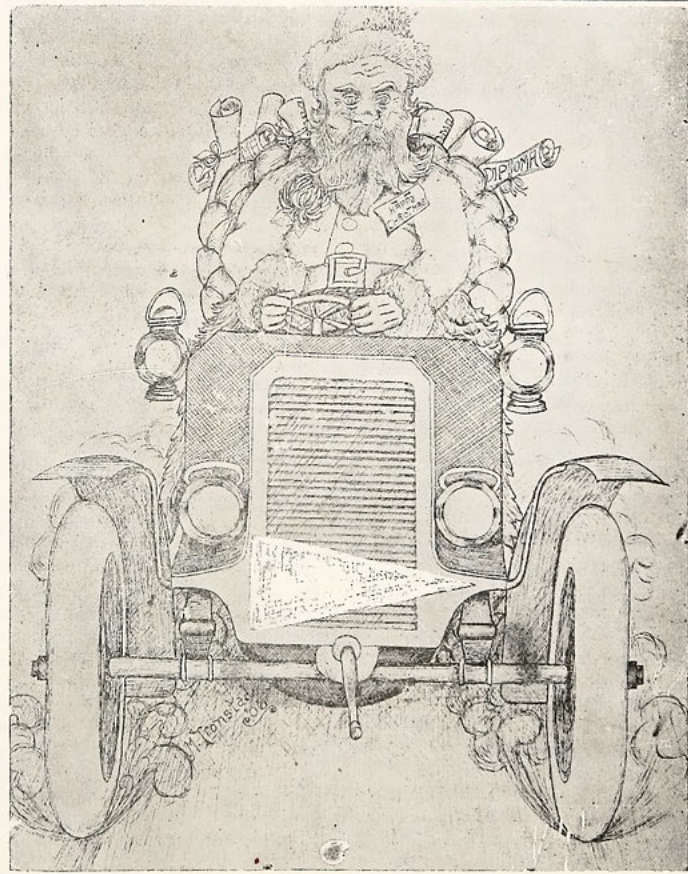
the young man in his night shirt trailing behind.

I started down stairs to telephone the reception committee of the carpenters' union in the next town that a "scab" was headed that way, but I slipped on the first step and lit in a heap at the bottom. My dream of the non-union carpenter, Joseph, was broken by a "Merry Xmas."

S. V. A., '09.

APPRENTICESHIP.
 Something there is in life well worth your doing.
 Turn to that work with such an earnest will
 That, when the Foreman comes, your labor viewing,
 He may reward the one who wrought with skill
 By placing in your hand the piece-work letter
 Which bids you step from out the apprentice line,
 And, in some work room where the light is better,
 Mould something finer, after His design.

—Hugh J. Hughes.



A Christmas Fairy Prince.

The little town situated in the midst of the great rolling prairies of North Dakota looked bare and desolate indeed on that December afternoon. The few houses and barns stood out darkly against the grey sky from which the large flakes of snow were thickly falling. Near the single railroad track loomed two great elevators which, but a few months before, had been the center of activity for all the surrounding country. But now the noise of machinery, the merry clatter of grain tanks on the road and the calling of one busy farmer to another in the joyous light of a September day had given way to gloom, silence and desolation. The roads leading out of the town were heaped high with the snow of an earlier snow-fall and were well-nigh impassable. The few inhabitants of Lansing seemed doomed to spend a cheerless Christmas there.

About the fire in the one general store a group of men were busily talking. There was the jolly, portly station master, Mr. Dupius, with his joke and jibe at everyone. He was just now conversing with the short, rather pudgy-looking store-keeper, Hans.

"On Christmas Eve, of all times! I should think even No. 4 would feel her wheels quickening under her at such a time. But she's over five hours late now and a terrible blizzard coming on!" This from Hans.

"Where is she, Dupius, anyone know? There's only one thing slower about coming than that train and that's Judgment Day. I do feel sorry for that poor little girl upstairs," remarked young farmer Jasperson. He was the typical prairie farmer, stalwart, tall of build and sturdy of limb, with his years of hard toil visible in every line of his well-made body.

"No doubt, no doubt, Jasperson," answered Dupius, his little grey eye twinkling, in answer to that last remark. "Why don't you begin to entertain her? No, one more fit here." He glanced about as he spoke and the observation really seemed true enough. The company was anything but prepossessing to look at, wrapped as they were in heavy "sheep-skins" and fur caps, most of them, merely waiting now for the train.

"What's she doing, anyhow? Say, boys, if that train don't pull in soon, let's make her a Christmas, poor child," and Hans brought his fist down on the counter to enforce his statement.

"Good." "Just the thing." "What'll it be?" Such was the opinion of the crowd.

"Well, let's think it out. Come on, fellows, all lend a hand, now. Whew, but that's a heavy wind. Don't try to open the door, Dupius; the snow is just driving about here—a regular Dakota blizzard, I guess," and Hans sat down in the center, the others gathering around, unloosening wraps and ideas at once.

Upstairs, the "little girl," who proved to be none other than the young village school-mistress, was sitting by the fire, the very picture of desolation. She had been planning to go home for Christmas Eve and now the train was late, very late, and likely not to come at all. It was her first experience away from home, and she did not respond very kindly to the talkative advances made by the landlady who tried to console her with comforting assurances that the train would be here soon. At last, as supper time approached and no train appeared, she removed her wraps and tried to appear reconciled to her fate. Just then, little Emma, one of the pupils, came into the room with a bright, happy look on her proud, dark face.

"O, teacher, do you suppose

that Santa Claus will really come tonight like it says in that song we learned? He never came, really and truly, before, but I am just sure he will be here tonight unless"—the little face fell—"he can't come through this snow!"

"Don't worry dear, about his not getting here. Why, it will be all the better for him. Think how much easier it will be for the reindeer to pull the sleigh on all this slippery snow. Come here and I will tell you a real Christmas story about a Fairy Prince and a Fairy Princess and what a lovely time they had together, long, long ago."

Emma curled up at Miss Page's feet, perfectly happy, and listened with wide-open eyes to the beautiful, mysterious tale.

"O, Miss Rose, did you ever have a Fairy Prince who loved you so and was so good and kind? O, it must be beautiful."

Miss Rose smiled. "Yes, I believe there was one Fairy Prince a long while ago, now, who was just as good and true and noble but I haven't seen him for ever so long. Why, child, why did you happen to ask that? A Fairy Prince, just what I used to call him."

"Show me him, please," and at the suggestion Rose opened a suitcase at hand and took out a large picture.

"There, that one next to me; that's the Prince. Do you like him?"

"Oh, he must be just a fine Fairy Prince. I wish he'd come tonight like that other one in the story did."

"And so do I," said Rose, sighing. But the next instant she arose and began to help lay the table for supper.

A little later, the whole noisy group of men came laughing and chatting up the stairs, full of their intended project. As they came into the room a mysterious silence came over them all, and for a while the good, hot supper, was eaten in silence. But at last, Dupius, no longer able to control himself, laughed heartily and cracked his little joke. After that, conversation became general and over the final cup of coffee and the cake, Hans made the announcement:

"Anyone who has anything particular he'd like from Santa Claus, please tell me. Anyone who has anything for Santa Claus, please give it to me. He's to be here about 9 o'clock."

"Hurray!" "Good for Santa Claus!" "Hope he didn't figure on coming on No. 4 or it's hard to tell when he will get here!"

These remarks were accompanied by the scraping of chairs and a general exodus to the rooms below, where mystery reigned supreme.

Rose helped with the supper things and just as they were finishing, they heard the faint far-off shriek of the approaching train. Immediately all was confusion both above and below. In about fifteen minutes however, Jasperson tramped upstairs, covered with snow and tiny ice crystals, and gave the report.

"The train can get no farther tonight. Snow too heavy and coal almost out. She'll reach here but that's all. Say, won't we have a jolly Christmas? Beg pardon, Miss Page, I am very sorry you can't get home, but I cannot help but be glad on our account. We'll do the best we can to make up for it."

"I know you will. Do you suppose there are many passengers on the train, or have they all reached their destination?" she asked curiously.

"There are a few, but I guess most of them are in the sleepers. Some will probably come over to the store. The train will not get away 'till daylight. Come down stairs when we call you. Yes, Emma, you may come now, if you wish," and hand in hand the two went down to the store below.

When Emma arrived there she stared in open-eyed wonder at the scene before her. In the center of the room on the square middle counter, stood a small fir tree which had lived a happy, though precarious life for a number of years, the pride of the village, since it was its only tree. And now they had sacrificed it unanimously in order to make a real Christmas Eve. On its branches were bright rosy apples and oranges, some colored papers and a few little candles which Hans had managed to find somewhere. Emma looked at it wonderingly, then said:

"Is it a really, truly Christmas tree? Oh, goody!"

A man who stood by the fire removing his heavy ulster, looked at her in an amused way.

"Come here, child," he said kindly enough. "Tell me, do you like it, and how would you like to have Santa Claus bring you something, eh?"

He pinched her ear as he spoke and she looked up into his face. Something she saw there made her start and look again and then again, first perplexedly, and then, as her face cleared, she beamed on him as an old acquaintance.

"I know you, I do," she said, confidently taking the hand he held out to her.

"You do, midget, how's that?" He looked at her still more amused.

"Oh, you are the Fairy Prince! My teacher's Fairy Prince!" she cried delightedly dancing about.

"Your teacher's Fairy Prince—that's a new role! And who may your teacher be?"

"My teacher is Miss Page, and she showed me your picture, she did, and said she wished her Fairy Prince were here tonight. I guess she was lonesome. I am going to tell her," and she started off.

"No, wait; this is Lansing, isn't it? Well, it must be she all right."

He thought a moment. "How would you like to give me to her for a Christmas present?"

"Oh, fine"—she looked excited now.

"All right, I will stay back here and when they get ready you can get Miss Page and bring me to her as a real live Christmas present. Only keep it a secret until then." He held up his finger warningly.

She nodded and began to give her attention to the tree on which the candles were being lighted. In the few minutes of diversion Roy Leighton had a chance for reflection. Long ago, as far back as he could remember, he and Rose Page had been playmates. Afterwards they had gone through school together and then, when both had grown up, the best of friends and so-called lovers. Roy had gone away to college. During his second year there he had met a girl, the very opposite of the quiet, earnest Rose, who seemed a mere child beside the brilliant, captivating Miss Doley. He had since that time considered himself in love with her. Tonight he was on his way home to spend Christmas. During all this period of two years he had not seen Rose, but once in a while he had heard from her, a quiet sisterly letter which always cheered him up. Of late, as he had become less and less fascinated with Miss Doley he had been thinking more and more of little Rose who—

But here he was interrupted by a cheer from the crowd, "A Merry Christmas, Miss Page." He could not see her as she came in, but he heard her as she thanked them, and could not help contrasting her low, well modulated voice with Marion Doley's high tones. The Christmas tree was ablaze with light, and after Mr. Dupius had made a witty little speech, Mr. Jasperson and Hans began to deliver the little gifts. With elaborate bows and flourishes, Hans presented to Miss Page a pretty little watch fob, the finest the glass jewel case contained. Emma was made supremely happy by a large doll and a neck-

lace from Rose and so completely was she taken up in examining her treasures, that she almost forgot her new role until a cough from Roy, who was getting impatient to catch a glimpse of Rose, reminded her. "Oh, wait a minute," she cried, and ran quickly back by the stove, clutched one of Roy's hands tightly in her own, and led him forward into the light. As he caught sight of Rose, he started. Could this well grown, fine-looking woman be Rose? Yes, there could be no doubt of it, for already, she catching sight of him, was coming forward, a glad light of welcome on her face. "Roy!" "Rose!" After that handclasp Roy remembered the past two years no more. He had found his true companion in his old time sweetheart. "That's teacher's Fairy Prince," announced Emma solemnly. The strain of wonder and excitement was at its height, and Mr. Dupius led in the laughter and congratulations which followed: Genevieve Holkesvig, '08.

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TEDDY BEAR'S XMAS.

Says the kind-hearted Teddy Bear to himself, says he: "Xmas is coming. I shall have to remember my friends. Everybody is giving presents and I know very well what I would like to give mine. I am going to make out a little list just to see what it looks like.

For all the chemical Teddy Bears, one dozen and eleven lemons. Extra large and sour.

For all the Senior Preps., a picture of spring with lots of little green buds in it.

For the girls' basketball team one dozen spoons. Nice new spoons, not second handed.

For the Freshman class, a gallon of fat angle worms, that can stand up and wobble their heads and sort of look around for a friend.

For Manager Heath two new pocketbooks; one for big bills and one for small change.

For the new boys in Arithmetic, a pair of fresh stockings and a comb.

For each of the girls in the Dormitory, a picture of myself, life size, with a hook at the top, so they can hang it beside the looking glass, where they will be sure to see it.

For the Seniors, let's see: I cannot think of anything good enough to give them. A map of the world wouldn't be bad, if I could only get one that had the moon on it. I always like Seniors; they seem sort of sensible.

I have two or three others friends, also, to whom I should like to give something, but I am afraid they might get mad. I never get mad. I don't like to make others mad."

A PORTRAIT.

Behold him in a pensive mood. His face looks like he can't digest his food;

But when he smiles at your mistakes His phiz—another form it takes.

At first a ripple o'er it runs. As though a smallish ray of winter sun

Had burst from out the clouded skies And poured itself into his weary eyes.

The drooping corners of his mouth Are elevated nor' nor'-east by south;

And if his smile still more expand, His pearly teeth delight the band.

His countenance, then a changing mass Of mirth and wrinkles, caught by the class;

But, lo! as there you gaze again That poor-digestive's look of pain.

—Evd Hemp, '09.

CHRISTMAS TIDE.
When at last exams. are past
And cares and fears forgotten,
With merry cheer—perhaps a tear—
We'll roll across the prairie.

The old ravines,—familiar scenes,
Bring back the childhood fancies,
When Santa Claus—so said our Mas—
Came neatly down the chimneys.

The Christmas tree, with darlings wee
All clustered round about it,
Showers Christmas joys on girls and boys
In every cot and village.

As when the star of Beth'lem far
Sent light to all creation,
So let us pray the blessed day
May bring us peace and concord.

The Christmas board, with family horde
From schools and business gathered,
Reflects the grace that every face
Beams forth in thankful worship.

Then New Year bright renews the light
Of faith and hope unbounded,
So each and all may fear no fall
But forward strive undaunted.

So will the train, yet once again,
Convey us o'er the prairie
To old A. C.—United we
Shall sing our Alma Mater.
Then, merry Christmas! everyone
And Happy New Year, too,
Now that our little rhyme is done,
We'll say good-bye to you.
John Magill, '09.

My turkey, 'tis of thee,
Sweet bird of cranberry,
Of thee I sing.
I love thy breast and wings,
Back, legs, and other things,
I love thy good stuffings,
Oh, luscious bird.
—Ladies' Home Journal.

For what more dost thou want
when thou hast done a man a service?
Art thou not content that thou hast done something conformable with thy nature, and dost thou seek to be paid for it? Just as if the eye demanded recompense for seeing or the feet for walking.
Marcus Aurelius.

SOME NEW PICTURES.
Prof. Slocum has received three pictures, two of which are of notable bridges and the other is of the largest water-tank in the world. These pictures, with about two dozen more which are to arrive later, will be hung on the walls of the Engineering Building. Besides being used for decorations they will also serve the purpose of illustrating the general construction of structural steel.

Mr. Nemzek is studying hydraulics. In performing a test on the pressure of the city water in the Chemical Laboratory his apparatus came apart and during the night there was a flood. No particular damage was done except that a superabundance of water was spread over the Laboratory and rooms below.

Caesar's dead and buried
And so is Cicero,
And where these two old gents have gone
I wish their works would go.
—Ex.

The high school of Fargo has recently installed a new chemical laboratory and has already had a fire in it. This is another admirable illustration of the danger of allowing children to play with matches.

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hear at the College, when a student feels a little down-hearted over some trivial matter, "Oh, I am going over to the 'gym.' and warm up and get into the shower, and I guess I will feel better." This is the real value of general athletics when a student knows he can get the proper toning up in any form he wishes. This form of treatment is by far the cheapest and most natural tonic for keeping up bodily energy and good spirits.

There is a marked tendency among our students of late to be found putting in their spare moments at the "gym." This fact shows that the work done in providing a place for physical culture is well appreciated.

The new management is entering upon its duties in a very enthusiastic manner. The first meeting of the Gymnasium committee took place last week with Prof. Halland in the chair. The committee discussed many things pertaining to athletics and gymnasium equipment, for the benefit of the students. From the present indication there is every reason to believe that the coming year will be the most prosperous and beneficial in the history of the institution, from an athletic standpoint.

A form of gymnasium exercise that is receiving considerable attention by many is "barbell" drill. This exercise is suitable for the weak as well as the strong. There are sixteen different movements, and a number of combinations to each movement as it is executed in the drill. At first it requires a great deal of mental concentration to perform the different movements, but in a short time they become automatic, requiring the least nervous exertion in producing the greatest physical development. This exercise may be indulged in by girls as well as boys. The handling of the barbell by one well trained presents a very interesting entertainment. Barbell training may be indulged in individually or by organized teams. The instrument is designed for movements that develop speed and suppleness in every muscle of the body. It improves accuracy and precision. Its use results in giving strength and agility. The barbell may be used at home or in the gymnasium. In case of organized team contests, its use shows that much skill and practice can be displayed in the different movements.

CHRISTMAS WEATHER.

Mercury is the planet which imparts the greatest industry to the children. It also makes them anxious to learn. This fact will be strikingly in evidence next Saturday when he is in ascendance, for at that time all students will be anxious to learn just what grades they secured in the exams. But cheer up! Jupiter is in conjunction with the moon and when this fact is interpreted into its everyday meaning it signifies that your professors will be lenient and that you will get 70 per cent on some of your papers.

By the use of the new "bolometer" which has been added to our other astro-physical paraphernalia we have ascertained that the radiation of heat and electricity between the sun and the earth is approximately 7.4793 plus per cent higher than usual. At present this quantity is increasing slightly but we do not expect it to continue increasing for any definite period. As long as the radiation is higher than usual the general weather will be warmer though we may have a few cold days, but when this radiation becomes less than normal our general temperature will be lower.

We do not anticipate any extensive period of low temperature until near the last of January, but there will be at least one marked fall in temperature and one storm period during the holidays which

SPORTING

We are nearing the close of our fall term, and no doubt it will be a term of school long remembered by our veteran athletes.

Various factors have compelled many fellows to leave school. Perhaps financial conditions have had the most to do with those who have left. Various other factors have, in some cases, caused some to put off their college course for awhile at least. We hope, however, that this is with the sincere intention of returning as soon as conditions will permit.

Our institution is not an exception to the rule of other colleges, and no doubt some of our athletes may have to leave school before the year is finished.

We wish to state here that for the sacrifices that have been made on the part of many of our students, in working to uphold the honor of the A. C., and furthering its athletics, we extend our sincere thanks, and only hope to see and hear of them keeping in harmony with the progressiveness of our College.

The boys who have struggled on the football field, the baseball diamond, or basketball floor are those who have taken an active part to further athletic interests whether students or faculty members, and deserve the hearty congratulations of those interested in our welfare. There is another part of our College population that deserves attention. The girls who are always to be found on the side lines during our inter-collegiate contests. They are the loyal supporters of our representative teams. Without their assistance, in many ways, it would be much more difficult to play and win those big contests. Those girls are also taking an active part in College athletics. They have their own contests although, perhaps, not as strenuous as the boys'. In their form of athletics they represent the A. C. just as well, in proportion to their physical strength, as do the boys. Therefore, we must give our girls praise for all the activities they participate in, not only in furthering athletics, but in any way they see fit to aid in developing college enthusiasm.

So with the close of this term's work we want it to be remembered that we feel grateful to all who have made sacrifices in taking part in athletics. By those who assisted us, we mean the President and the Faculty of the College, not forgetting Coach Dobie and the football squad, the General Manager and others, and last, but not least, our standbys, the girls.

The new phase of athletics at the A. C. is meeting with the hearty approval of the student body as a whole. It is a common thing to

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LETTER FROM KAUFMAN.

Supt. T. A. Hoverstad of the Farmers' Institutes, is in receipt of a letter from former Supt. E. E. Kaufman now in Arizona for his health. The letter reports him to be rapidly gaining in strength and spirits.

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BAKING LABORATORY IS POPULAR.

In connection with work being done on flour by the Chemical Department, baking tests are being carried on. The baking laboratory has been a scene of unusual activity during the past week. Miss Emily May has taken charge of this work and it is rather interesting to see the number who consider it part of their business to run in during the afternoon and pass judgment on the excellence of bread made with A. C. flour and by an A. C. graduate.

FEEDING EXPERIMENTS.

A feeding experiment is being carried on at present in the animal husbandry department with eighteen grade Shropshire lambs recently purchased from Howard Bassett of Glyndon, Minn. The ob-

ject of the experiment is to determine the comparative value of emmer (spelt) and barley. The lambs are divided into two lots of nine each. One lot is receiving a ration consisting of four parts of barley and one of bran. In addition to this both lots are receiving all the clover hay they will eat. It is probable that something of value will be brought out by this experiment in regard to emmer which has proven such a good yielder in this state.

The following program has been arranged for by Supt. Hoverstad:

Pres. Worst—Lessons From European Agriculture.

Prof. Shepperd—Grain and Live Stock Growing.

Prof. Beekwith—Bacteria as Fertilizers of the Soil.

Mr. Churchill—Grass Crops and Rotation.

Turn failure into victory;
Don't let your courage fade;
And if you get a lemon, why
Just make the lemon aid.

—Ex.

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

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

FOR ANY INFORMATION ADDRESS CONTEST DEPARTMENT

Stone's Music House,

FARGO, NORTH DAKOTA

THE PRESERVATION OF MILK

By Lillian Merritt.

To keep milk in a wholesome condition, taking the subject to mean more than merely preventing it from souring too quickly, is simply a matter of protecting it from bacteria. This, however, involves a number of factors, the principal one of which is the source of the milk. Cheap milk is liable to be poor milk, and a poor grade of goods of any kind is not economical. The value of milk is apt to be in direct proportion to its cost.

The best grade of milk is known as "sanitary" milk. Every precaution is taken to exclude disease germs and care is taken to keep everything clean and sanitary. A modification of this class is known as "certified" milk, which is under the inspection of a commission. These two classes are not always at the command of everyone. Persons living in small towns usually have to depend on the ordinary milk-man. When such is the case, if possible, the consumer should choose the most cleanly dressed man who generally has the cleanest milk. In the city those who depend on the milk-man have no way of determining the quality of the article they purchase. The cheapest kind of milk is that sold in grocery stores. Although the milk is kept on ice, since only the cheapest and poorest milks are likely to find their way into such places, it would be better for the buyer to pay more and purchase a better grade. How-

ever, milk of the highest character will not keep if not properly taken care of. It should be put in vessels which have been thoroughly washed and then scalded in boiling water. Glass vessels are best since it is easy to determine as to their cleanliness.

When milk is brought into the house it should be immediately cooled; otherwise it will sour quickly besides being susceptible to bacterial growth. Milk should be kept at a low temperature and can be kept from souring for a long time by this method, but it must be remembered that milk is not necessarily wholesome because it is not sour. It should not be kept much over a day because after that time it will be so filled with bacteria that it might be harmful. Preservatives should never be used to keep milk from bacterial growths. When milk is of uncertain origin it may be "sterilized," that is, boiled, but since this changes the milk chemically so that it is more difficult to digest and assimilate than raw milk, to overcome this objection "pasteurization" is used. This method depends upon heat. The temperature at which the milk is kept is between 155 degrees and 170 degrees Fahrenheit for a period of about ten to twenty minutes. It must then be cooled rapidly. This temperature kills all disease germs and most of the bacteria which sour the milk and still leaves it uncooked.

As it is a difficult matter to keep this temperature even there are two simple methods that have

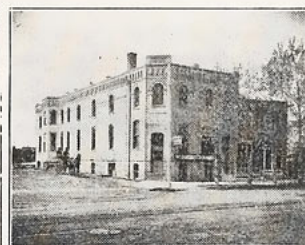
been developed. One consists of a series of bottles which will fit into cylinders placed in a larger vessel. This receptacle is then filled with boiling water and the bottles of milk are put into the cylinders while the whole is allowed to cool. The other method is still more simple and consists in placing the milk in quart jars in a pail of boiling water which contains enough water to nearly reach the tops of the jars and sufficient quantity to hold the heat for the required time.

One thing must be remembered and that is that both pasturized and sterilized milk must be used soon after being prepared. While these methods destroy those germs which are already in the milk, they do not prevent others from growing later. Moreover it is best to have milk which does not need pasturization. Pure clear milk is the best.

GRAIN GROWERS.

Big Convention to Be Held in Fargo, Jan. 14-18.

The program for the big convention of this year promises to be most interesting and instructive. Various speakers of state and national reputation will present addresses. Cheap transportation is granted by all railroads so that a large attendance is assured. In Minnesota the rate will be the regular two cents a mile, and in North Dakota it will be two cents a mile on the certificate plan. Pres. Wm. A. Scott of the State Fair Association will present the address of welcome. Dr. Van Es of the A. C. will speak on "How to Eradicate Tuberculosis from Our Herds." "The Future Wheat Supply" will be the subject of an address by Prof. E. C. Parker of the Minnesota A. C. Mrs. Clark W. Kelly of Devils Lake will give an address on "Making Farm Homes Beautiful." Prof. Beckwith will speak on "Bacteria as Related to Soil Fertility." "Sheep Raising on the Grain Farm" will be discussed by Mr. Dugal Campbell of Kentucky, N. D. Mr. L. H. Stor-



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gaard, Aberdeen, S. D., will speak on "Fancy versus Utility in Breeding." "Education of the Farm Boy" will be considered by Supt. J. W. Olsen of Minnesota. Miss Kathrine Childs will discuss "Domestic Science, Its Relation to Girl's Life Work." Prof. Bolley of the A. C. will speak on "Eradication of Weeds." Prof. Waldron of the A. C. will discuss "Forestry Problems." Supt. A. E. Chamberlain, Brookings, S. D., will discuss "Type Versus Breed."

In all probability Dr. W. H. Wiley, Chemist of the Department of Agriculture, as well as

Pres. James J. Hill, will speak at the convention. A large attendance is expected and doubtless more than one auditorium will be required for the meetings.

"BIRD WOMAN" HONORED.

The monument of Sacajawea, the famous guide of Lewis and Clarke on their expedition through this country, has at last been ordered, and as soon as finished will be placed above her remains. Quite a number of the A. C. students contributed to the fund for the erection of this monument and will perhaps feel a personal interest in its success.

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PERSONAL

Mr. A. A. Mikkelson, '05, assistant manager of the Farmers' Grain and Shipping Co., of Devils Laks, was in town over Sunday, looking up some of his old school-mates.

Mr. Cal Hennis, foreman of the local experiment farm, will spend Christmas at his old home in Iowa.

Pres. Robertson of Wesley College at Grand Forks, was a College visitor last week.

Last week a son was born to Mr. and Mrs. J. M. Norton. His name is Richard Reed Norton. Congratulations are extended.

Mr. H. S. Russell, an old student, visited College last Friday.

Miss Sadie Barrett received a rather serious injury on the basketball floor last week, dislocating her knee.

Mr. Lynch returned Wednesday from his inspection tour through the southern part of the state.

Mrs. Dahlgren and daughter left last week for an extended visit to her parents in Minnesota.

Mrs. Ash will spend Christmas with her daughter, Mrs. Fred Hill of Medina.

Dr. Van Es was consulted as an authority in the Hauser meat inspection case.

Mr. Wm. Hinz, an old student now with the American Bank Protection Co., of Minneapolis, was a visitor at the College last Monday.

Mr. Harold McKinstry is planning to spend the holiday vacation in Chicago.

Mr. Peter Norden, one of the pioneer students of the institution, was here last Saturday looking over the possibilities of completing his course in Mechanical Engineering.

Dr. M. S. Whitcomb, chief executive of the Minnesota State Live Stock Sanitary Board, was a visitor of the Veterinary Department last Friday.

Miss Grasse will spend part of the coming vacation with friends in Chicago.

All of the Dormitory girls are going to their respective homes to spend the Christmas vacation.

Supt. Hoverstad was in attendance at the meeting of the State Dairy Association held in Jamestown, Dec. 5.

Everybody goes home for Xmas.

An example of the tremendous strain on locomotives was witnessed in the local G. N. yards Saturday afternoon, when the six-inch shaft connecting the forward drivers of switch engine No. 183, snapped off close to the bearing, while the engine was pulling a long section of freight.

Hatcher Bros. sell Insurance.

Student—Good morning, Mr. D.

Mr. D.—Go to h—

(N. B.—According to a recent decision of the Mississippi supreme court this is not profanity.)

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Mattie Jones,
Glyndon, Minn.

Students don't seem to have the same opinion of some schools as the proprietors do themselves.

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Y. M. C. A. LECTURE COURSE.

The next number of the Y. M. C. A. lecture course will occur Jan. 7, 1908. It will consist of a recital by the famous pianist, Brahm Van Der Berg.

PIONEERS.

Word comes to us from the city of Bowman, N. D., which is at present undergoing a boom following the completion of the railroad extension to its limits, that Mr. and Mrs. Dave Lofthouse have taken up their winter quarters in a sod shack. Both are former A. C. students and are better known as "Karla" and "Dave." Mr. Lofthouse is a graduate of the pharmacy department, and has full charge of the drug store at Bowman.

Prof.—What are you doing?
Learning something.
Student—No, sir; I am listening to you.—Ex.

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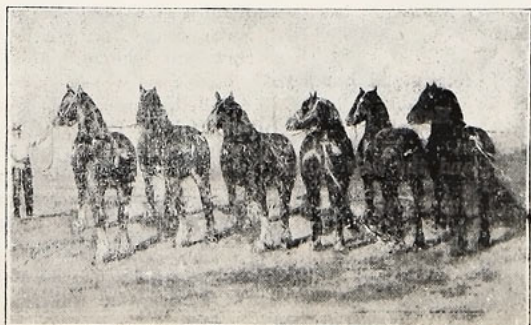
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SOCIETY

AT HOME.

Miss Lillian Merritt of Moorhead entertained several college friends last Wednesday night. All present report a most charming time and Miss Merritt the best of entertainers. One of the gentlemen present described the evening as a "ripping time."

MINERVA DEBATE CLUB.

The Minerva Debate Club has awakened. A meeting was held on Monday for the purpose of electing officers and reading an amendment to the constitution. The following officers were elected: President, Ruby Hicks; vice president, Margaret Magill; secretary, Cecilia Eyolfson.

'10'S PARTY.

The members of the class of '10 participated in a delightfully quiet little affair held in Francis Hall last Saturday evening. A feature of the evening's entertainment was a number of games and contests in which Messrs. Worst and Merber were the fortunate winners of the prizes, the former securing the first and the latter the booby prize.

About 11:30 substantial refreshments were served to the hungry '10's and when the party broke up at a late hour everybody expressed themselves as happy to have attended such an enjoyable function.

AGRICULTURAL CLUB.

The agricultural students held their last meeting of the school year last Saturday evening. The meeting dealt with the live stock interests and live stock shows. Prof. Richards gave a very interesting account of the International Live Stock Show at Chicago, where he was one of the judges. Mr. Grout, who is president of the club, gave an interesting description of the Minnesota Dairy School which he visited while attending the St. Paul Live Stock Show last month. Mr. Phillip Moun gave a short talk on the Packing Houses of St. Paul which he visited recently. Louis Palm

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gave a short talk on "Caring For Young Calves." Mr. Hughes told the members of the club about some of the methods by which literary societies of Lawrence University conduct their work. His talk took the place of the criticisms and gave the students a good conception of how other societies carry on their work.

The two musical numbers, the piano solo by Clarence Plath, and the vocal solo by Geo. P. Grout, were much enjoyed by the audience. The solo by Mr. Grout was a song composed by himself entitled "The Future of the Dairy in North Dakota."

POLYTECHNIC SOCIETY.

The meeting of the members of the Junior Faculty was called to order at 4:30 at the Chemical Building for the purpose of considering and adopting the report of the committee appointed to outline the scope of the proposed scientific society. After considerable discussion the report was adopted as the constitution of the N. D. A. C. Polytechnic Society. A meeting will be called early in January to perfect the organization and elect officers.

ALPHA MU BALL.

The Alpha Mu Fraternity gave another "hop" this term in the Armory on "Friday the Thirteenth." Notwithstanding the ominous day, the dance was a pronounced success. Sixty couples on the spacious floor danced to splendid music furnished by Dr. Putnam's orchestra. Black and blue decorations were in evidence—also the next Mu candidates suitably labeled, who served dainty refreshments to the ladies and gentlemen present.

Mr. Leavitt, State Secretary of the College Y. M. C. A., has been at Wahpeton organizing a branch at the State Science School.

Secretary Nugent returned last Monday from a short business trip to Bismarek.

Pres. Burch, of the State Science School at Wahpeton, was a College visitor this week. He was looking for an instructor in forging.

Mr. J. A. Carman, who has been seriously ill for the past two weeks, is reported as improving rapidly.

LIBRARIAN'S REPORT.

The total number of volumes added to the Library during the fall term is 158. Of this number the Chemical Department received 13; Domestic Science 12, Literature 12, Agriculture 11, Reference 9, History 10, Mechanical 5, Mathematical 5, Veterinary 4, Geological 3.

The remainder were bound magazines, bulletins and reports of the various experiment stations.

Eighty-three newspapers of this state have been added to the Library on request during the fall term, making a total of 238.

The number of books drawn from the Library for the fall term is at present writing 1,000. This does not include a large number which have been used in the reading rooms. Of those drawn, 84 were historical and biographical, 236 magazines, 13 fiction, 137 collections of poetry, and the remainder included books on agriculture, arithmetic, civil government, debate, domestic science, drama, entomology, essays, geography, geology, history of literature, mechanics, mythology, physics, political economy, religion, sociology, travel and zoology.

"Well, Willie, I am glad to see you early of late; you have been behind before, but you are first at last."

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INSTITUTES.

Arrangements for the winter institute season are now practically completed, and Supt. Hoverstad is sending out advertising matter to the places to be visited in the near future. The opening meeting will be held this week, Dec. 19 and 20, at Larimore, and nothing has been left undone either by the institute force or by the supporters at Larimore, to make the opening meeting a truly successful one. Larimore people have shown intense interest by arranging for a considerable amount of music and a number of recitations but the great feature on their part is a banquet which will be given the farmers and lecturers by the business men of the city. They are setting a pace which, if followed even to a limited extent by other towns, will bring about an institute of inestimable value.

MILLS AT CHAPEL.

Last Friday at 11 o'clock, Mr. Enos A. Mills addressed the faculty and students on the subject of "Trees and Birds." "Trees and birds are with you all the days of your life no matter what your occupation."

The address was a comprehensive discussion of the growth and the uses of trees and birds and the relations of birds and trees to each other. Birds are the friend of the farmer rather than his enemy, the chipping sparrow alone devours 1,000 tons of weed seeds annually. There would be greater grain production in North Dakota if one-fourth of the land were planted with trees. This has been proven by experiments in other states.

The students and faculty greatly appreciate practical addresses of this kind and we hope that more will follow.

TENNIS IN DECEMBER.

During the recent tropical weather the tennis enthusiasts have taken advantage of the climate to play numerous post-season games, and their appearance on the courts in tennis costumes at this time of the year has caused no little favorable comment on the conditions of the North Dakota weather. At about the same time last year people were trying to live in the stove with the fire on top.

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