

The Spectrum.

Published by the Students of the North Dakota Agricultural College.

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No. 5.

Our Representatives in the Philippines.

Through the kindness of Professor Waldron, we are enabled to print a letter from Mr. and Mrs. Manns, who are representing the A. C. in the far off Philippines. As the older students will know, Mr. Manns graduated in 1901 and after two years of post-graduate work was awarded the degree M. S. in 1903.

The letters runs as follows:

“Balanga, Bataan, P. I., Jan. 1, '05.

“We have been somewhat busy since our arrival and have done little correspondence outside of that to our folks. However, they will all hear from us ere long.

“I was sorry to read the account of Weaver's accident. I hope it is not serious. We are glad to know your street cars are running.

“I hope you are both well and that the winter is not severe. We are living in a virtual paradise for weather, and when I think of the North Dakota wind and the severe weather there I am continually reminded of the 'survival of the fittest.'

“The educational, as well as the federal, bureaus offer good inducements here, and rapid promotion for those who are progressive. Practically all positions of importance are under civil service regulations, and all promotions are based upon merit and experience. The first 1,200 teachers, as well as other officials, must conform to civil service reg-

ulations regarding examinations, etc., if they wish to remain in the service and be eligible to promotions. In June I am going to take the examination for department assistant, which for division superintendents pays \$1,600. The work is very pleasant, and three months vacation is given each year in all educational work.

“According to my way of thinking, the plan of the educational work here is almost perfect, and when an increase of funds and facilities are provided, excellent results will be the outcome. Mrs. Manns and I have charge of a provincial high school, which has an attendance of ninety. We have one assistant—an American—for music and other work. In these provincial high schools, elementary work in domestic sciences, agriculture and shop work is carried on, and physical culture is for all. We are just introducing this work here.

“Our division superintendent has written us that he is anxious to see us regarding a transfer to a better position. However, I like it very much here. I am really in love with the country, and my only regrets are that these islands are so far from the United States.

“This is an ideal place for American capital, and with American commercialism here, this would be a paradise; and I really believe much will be done during the coming administration to this end.

The United States would be very foolish to part with these rich islands; besides, they are a fine naval base for the East.

"We are very comfortably located and have had perfect health since our arrival. We live in one of the coolest parts of the islands. One can get practically any climate here, except the severe snow storms of the higher temperate zones.

"We are at present having our Christmas and New Year's vacation of two weeks. In April, May and June we shall have our remaining vacation of two and one-half months. We will make a tour of the different islands then.

"At present I am trying to type-write my thesis. This reminds me that you have had an exceptionally fine year to work on rust, and I am glad to learn the department is at work on it.

"The high schools here have dissecting microscopes and one compound microscope. Very little has been done in zoological or botanical study. There are many interesting and valuable plants on these islands, and the forests are immense and very valuable. But the resources of this country have been but little developed. The great hindrance to agricultural work is the lack of draft animals. Rhinderpest and surra seems to knock everything in sight. It is very hard to keep horses in some parts of the islands long enough to get a ride on them.

"Hunting is very good here. We have ducks and all the smaller birds, several species of the heron, including the snowy heron, which is very common, and has such beautiful aigrets. I have been out several times and got ducks. We had turkey for Thanksgiving, Christmas and New Year's. There are wild turkeys, hogs (a descendant of the Spanish tame hog) and many deer. I am going to 'get a crack' at these deer some of these days. Tell Dr. Van Es if he had been with me the other day he could have got a shot at a thousand ducks. The natives are all disarmed, and the few Americans don't molest the ducks much.

"The tropical vegetation is grand. We have bananas, oranges and lemons right in our yard. Most fruits here, though, cannot be compared to the delicious berries and other fruits of the United States. The mountain scenery and streams are beautiful.

"Well, the war is still 'hanging fire.'

"The United States periodicals are a little tardy by the time they arrive, but we appreciate them very much.

"Of course, we were glad to see 'Teddy' at the front.

"We heard precious little about A. C. football this fall. It must have been a 'silent number.'

"Give our best wishes for a happy and prosperous New Year to all the A. C. folks.

"THOMAS F. MANN'S."



The largest masonry arch in the world is now in course of construction at Plauen, Saxony, where it will form part of a viaduct crossing the valley of the river Syra. This new bridge will be completed in the course of the present year, and the main arch will measure in a horizontal direction 295 feet 3 inches from base to base. This new structure will take the first place among masonry

stone arch bridges from the Luxembourg bridge, recently completed across the valley of the Petruffe, which has a span of 277 feet. In the United States the longest stone arch bridge is the Cabin John bridge near Washington, D. C., whose length of span is 220 feet. In this country, however, on account of the high cost of labor and material, the steel bridge is usually preferred to that of masonry.

Autobiography of a Broom.

It was at a small red brick factory in a town near New York where I, with a great many of my comrades, first came into existence. It took many long hours of work to complete me, and after all the finishing touches had been given I was put with eleven of my brothers and sisters and tied in a neat bundle. I was next taken to a dark room in the basement where I remained many days. It was a dismal place, down there, and the memory of it still haunts me.

One sunny day in May, I was taken out of this dark place and loaded on a train. I had no idea where I was going, but after many days of hard travel, I landed in a small town in Southern Wisconsin. I was immediately taken out of the car by a man who handled me very roughly. Then I was given another ride at this place, but it was very short. This time I landed at a small general store.

I had not been here very long, when in came a lady to buy a broom. The clerk showed her many different kinds,

and after much inspection she thought I would fill the bill. She then took me to her house. I liked the looks of the place very well, but was a trifle homesick at first. The next morning after I had arrived at this place, the landlady introduced me to Bridget, who showed me what my duties were.

For three months I had a good position inside the house. The work, however, was telling on me and I was getting old. The lady of the house did not like to part with me because she was very economical and did not want to invest in a new broom. The hired girl, however, had to do the sweeping and it was not long till she wanted a new broom, which she finally got. I was then given a position outside, my duties being to clean the mud off the men's feet, and other similar jobs. I am now growing old fast, this work is more than I can stand, and it will only be a few days till I am retired to the scrap pile to end my days in peace.

RICHARD DYNES.

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A TOUCH OF THE "GRIPPE."

If you have escaped the epidemic that is now floating so gallantly through the air, you may consider yourself happily slighted; for those who have been attacked by this common ailment have realized that it is "no respecter of persons."

What is peculiar, yet aggravating, about this disease is that, before you are quite aware that you are afflicted with it, it has been "coming on" for a day or so, and long after the contagion has "quit you" and gone to someone else, you are still recuperating from its attack. It

comes at such a sly and unexpected time that you are never prepared for it. You will wonder if the fault is with the heating plant, or a sudden development in age, that you feel the cold so much. You will, no doubt, think that the meals are unappetizing, and will leave the table in disgust. If you begin to study, you will wonder why your head feels so heavy, and what ails your eyes. Finally, for sheer spite, you shut up your book and go to bed.

By and by, some good angel will come sailing into your room with irons for

your feet and a hot water bag for your back. She will turn on the heat and nearly crush you with bed clothes—but still you can't get warm. After "dopping" you with castor oil or something worse, she will turn off the light, and gently wish you good-night.

But what a night! You are toiling and skimming on the edge of a deep river bank; rolling big, heavy balls over a high wall; talking, falling, shivering, roasting. You are relieved when morning comes; glad when some one will

bathe your hot head, or give you a cool drink. Your temperature is taken; your pulse is felt; you take another horrible dose of medicine. Between sleeping and tossing, moaning and groaning, the day drags through, and then another, until you wish you had never seen daylight.

By the time your aches and pains have left you, and you only have a tremendous cold to get rid of, you will feel quite certain that the "grippe" didn't forget you, and that you are not likely to forget the "grippe."

BOILERS AND BOILER OPERATION.

There appears to be a widespread impression among persons interested in boiler operation that the standard fire tube boilers are not well adapted to "forcing." This idea can be accounted for in several ways. One very apparent reason is that until the time of the advent of the water tube boilers no very accurate or general standard of boiler horse power existed. The common practice was to rate the boiler according to the heating surface, usually from twelve to fifteen square feet per horse power, which was probably derived, not from any careful study of boiler performance and capacity for absorbing heat, but by observing that the prevailing types of engines required about that size of boiler to supply steam. Another reason for this idea is that comparatively few carefully conducted boiler tests have been made on standard fire tube boilers, whereas the builders of water tube boilers have published numerous articles giving striking results of tests made on the various water tube types on the market.

In a paper recently read before the American Society of Mechanical Engineers, F. W. Dean presents some very remarkable results obtained from fire

tube boilers and endeavors to prove that the prevailing idea is incorrect. He states both sides of the question fairly and draws parallels which show that his knowledge of the subject is well worth considering. In the course of his argument he produces figures from tests taken by himself and others which show that the forcing capacity of fire tube boilers may be as high as 125 per cent under forced draft, and under natural draft about 30 per cent. Furthermore, he shows that even in the cases of greatest overload the coal consumption per horse power hour was not high, evaporation being 9.72 pounds per pound of dry coal. The caloric value of the coal used was somewhat less than 14,000 B. T. U. The tests from which he draws his conclusions were conducted in several different factories and on several types, both horizontal and vertical, of the stock fire tube boilers. One interesting fact brought out by his investigations is that the rating of boilers with twelve feet of heating surface as a standard horse power is rather misleading, as the horse power actually developed showed as low as 4.5 feet per horse power, while in locomotive boilers it may be as low as 2 feet per horse power.

New Library Books.

We have been in the habit of exchanging thoughts with other college papers. This month we are going to make a little diversion and ask you to look up the exchange thoughts in the following new books in the library:

- Aitken*—Richard Steele.
Allen—Practical Building Construction.
Audubon—John James Audubon.
Bartlett—Familiar Quotations.
Blackmore—Lorna Doone.
Bohn—Dictionary of Active Principles of Plants.
Brewer—Dictionary of Phrase and Fable.
Brewer—Reader's Handbook.
Britton—Manual of the Flora of the Northern United States and Canada.
Brookings & Ringwalt—Briefs for Debate.
Brown—Handbook for Cement Users.
Brownell—Victorian Prose Masters.
Canfield—The College Student and His Problems.
Cervantes—Don Quixote de La Mancha.
Chapman—Bird Studies With a Camera.
Cheyney—Introduction to the Industrial and Social History of England.
Church—Stories from Homer.
Church—Stories from the Illiad.
Church—Story of the Odyssey.
Church—Stories from Virgil.
Cooper—Deerslayer.
Cooper—Mohicans.
Cooper—Pathfinder.
Cooper—Pilot.
Cooper—Spy.
Courthope—History of English Poetry.
Crabb—Synonyms.
Dana—Two Years Before the Mast.
Devine—Principles of Relief.
Dowden—Puritan and Anglican Literature.
Ellis—John Ford.
Ely—Taxation in American States and
Fernald—English Synonyms, Anonyms and Prepositions.
Flaubert—Salammo.
Furness—A New Variorum of Shakespeare.
Garner—Apes and Monkeys.
Goff—Principles of Agriculture.
Gosse—James Shirley.
Hale—James Russell Lowell and His Friends.
Hall—Geography and Geology of Minnesota.
Hasluck—The Handyman's Book.
Hudson—Shakespeare's Life, Art and Character.
Hughes—Tom Brown's Schooldays.
Hunt—Cereals of America.
Huntington—Studies of Trees in Winter.
Huxley—Life and Letters of Thos. Henry Huxley.
Hopkins—Scientific American.
Howard—Mosquitoes.
James—The Ambassadors.
Jennings, P.—Paint and Color Mixing.
Job—Among the Water Fowl.
Jones—Renaissance of the English Drama.
Kidder—Building, Construction and Superintendence.
Kittredge—New Metal Worker Pattern Book.
Kolle & Wasserman—The Pathogenic Micro-Organisms.
Lamb—English Dramatic Poets.
Lavcran & Mesnil—Trypanosomes et Trypanosomiases.
Lee—Great Englishmen of the XVth Century.
Lounsberry—A Guide to the Trees.
Lowell—Joan of Arc.
Matteson—Lord Clive.
Matteson—Duplex.
Manley—Specimens of the Pre-Shakesperian Drama.
Matthews—Parts of Speech.
Merrill—Non-Metallic Minerals.
Miller—The Brook Book.
Morris—Man and His Ancestors.
Moulton—Moral System of Shakespeare.
Noble—Field of Ethics.
Noel—Thomas Otway.
Palgrave—Golden Treasury.
Perkins—The Cathedral Church of St. Albans.
Perry—Study of Prose Fiction.
Pond—Eccentricities of Genius.
Poultton—Charles Darwin and Theory of Natural Selection.
Quiller-Couch—Historical Tales from Shakespeare.
Raleigh—The English Novel.
Robert—Rules of Order.
Roget—Thesaurus of English Words and Phrases.
Ross—Social Control and Survey of Foundation of Order.
Russell—Man's Place in the Universe.
Sargent and Kittredge—English and Scottish Popular Ballads.
Scudder—Social Ideals in English Letters.
Seager—Introduction to Economics.
Simonds—Introduction to English Fiction.
Small—Flora of Southeastern United States.
Smith—Geography of New York State—City
Smollet—Humphrey Clinker.
Smollet—Peregrine Pickle.
South—Story of Our Country in Poetry and Song.
Sundborg—Sweden, Its People and Its Industry.
Symons—Phillip Massinger.
Symonds—Webster and Tourneur.
Symonds—Renaissance in Italy.
Tarr—Physical Geography of New York State.
Thresh—Water Supplies.
Verity—Thomas Haywood.
Wallace—Wonderful Century.
Wendell—Literary History of America.
Wendell—Temper of the XVIIth Century English Literature.
Wilson—Theology of Modern Literature.
Wilson—History of American People.
Wilson—Irrigation Engineering.
Woodberry—Makers of Literature.

Agricultural Notes.

Professor Bolley's press bulletin, "The Use of Rusted Wheat for Seed," is receiving very favorable comment from the agricultural press of the Northwest. According to one well known paper it is the most timely bulletin issued this winter from any experiment station in the country.

The fact that Willet Hays, the new assistant secretary of agriculture, was formerly connected with our college is not generally known among the student body. Secretary Hays was the first professor of agriculture at this institution, going to the Minnesota college and experiment station from here. This appointment as Secretary Wilson's assistant is a fitting recognition of the important work which Professor Hays has accomplished in scientific and investigational work.

The Agricultural Club has published a pamphlet which contains an account of the needs of the Agricultural College in the way of added financial support, as viewed from the students' standpoint. A short statement of some of the work accomplished by each of the station departments, work which has proved of inestimable value not only to the state but to the country at large, is given, together with the minimum amounts needed to sustain and enlarge these departments for the furtherance of the best possible work. This pamphlet was freely distributed to the farmers at the Tri-State Convention, and produced a very favorable impression. Apropos of the pressing need of the North Dakota Agricultural College in the way of more adequate facilities for carrying on the best work in all of its departments, it is worth while to note that the University of Illinois, a splendidly equipped insti-

tution in almost every particular, is asking for an appropriation of a million and a half dollars to further increase the scope of its work. The people of Illinois have come to realize the value of their College of Agriculture, which is connected with the university, and all reasonable legislation in favor of that institution receives their hearty support.

A bill to increase the appropriations for the experiment stations is now before congress. By the conditions of the bill, an appropriation of \$5,000 will be given each experiment station yearly, and this sum will be increased an additional thousand dollars for each succeeding year for ten years. This will ultimately give each station a yearly fund of \$15,000 besides the existing fund which they now receive.

The Agricultural Club is in a very thriving condition this winter. The weekly programs are attracting the students and the place of meeting, which is the largest recitation room on the college campus, is taxed to its fullest capacity. A somewhat novel debate was indulged in on Saturday night, Feb. 4. The question under discussion was, "Resolved, that the horse is a more profitable and useful animal to the North Dakota farmer than the mule." Mr. Stowers and Mr. Johnson upheld the affirmative side of the question, while Mr. Wright and Mr. Brander ably defended the mule. Several comical situations were developed during the warm discussion which took place. The judges decided in favor of the long-suffering mule. Mr. Stowers, the leader on the losing side, more than redeemed the lost honors of the debate by spelling down the whole club in an impromptu spelling match which followed the debate.

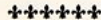
Y. M. C. A. Convention.

On Saturday and Sunday, Feb. 4 and 5, there was held in the First Congregational Church, Fargo, the first state convention of the students' Y. M. C. A. The following institutions were represented: University of North Dakota, thirteen delegates; R. R. V. U. of Wahpeton, fourteen delegates; Industrial School, Ellendale, three delegates; A. C. and Fargo College. The meeting was led by M. T. Kennedy, interstate secretary for North and South Dakota, and the other speakers were: W. M. Parsons, Minneapolis; C. B. Hurry, student secretary international committee, Chicago, Ill., and A. C. Prall, general secretary Iowa State College, Ames, Ia.

The program the first day consisted of outlines for the work of the different committees, a talk on general work of the Y. M. C. A. by Mr. Parsons, and a speech by Rev. Leonard of the First M. E. Church on the "Relations of a Disciple to His Master."

After Rev. Leonard's address, a state committee for North Dakota was selected. It is composed of the following members:

- J. A. Johnson, U. N. D., president.
- H. P. Ide, Ellendale, vice president.
- Oliver Dynes, A. C., secretary.
- Fred James, Wahpeton, treasurer.
- Guy Vowles, F. C.



Among many experiments noticed in the laboratory by the class in plant physiology is one showing the growth of plants in nutrient solutions. A bean is grown in a solution containing all necessary minerals, and shows fine, healthy growth. Others grown in solutions lacking in potassium, phosphorus, calcium and nitrogen show evident and varied

ADVISORY BOARD.

- Professor Larson, Ellendale.
- Professor Bryant, U. N. D.
- Professor Minard, A. C.
- Professor Griggs, F. C.
- Professor Miller, R. R. V. U.
- C. J. Allen, Fargo.
- Sidney Clark, Grand Forks.

In the evening Mr. Hurry delivered an address in the Fargo College chapel after which followed a supper for the delegates, attended by about fifty-four persons. The following toasts were proposed, Dean Fisk of Fargo College acting as toastmaster:

The Association Man—

- In Athletics.....J. C. Frall
- As a Debater.....E. C. Hilborn
- In His Friendships.....M. T. Kennedy
- On the Paper.....Guy Vowles
- In His Church Life.....Fred James
- As a Scholar.....Oliver Dynes
- As Others See Him.....C. D. Hurry

On Sunday a short meeting was held in the forenoon. In the afternoon, Mr. Hurry spoke in the Commercial Club rooms and in the evening in the Congregational Church, after which there was a short meeting of the delegates. The convention was very successful as a means of bringing the associations of the different institutions into closer touch with one another, and also put the state work on a firmer basis.

indications of disease and weakness. A bean grown in tap water is almost as far advanced as that grown in normal solution. Some study has been made with the spectroscope upon green and red coloring matter of plants. This shows what rays of light are absorbed by the chlorophyll and which are used by the plant to build up organic food.

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Editorial.

Do you, members of the literary socie-
ties realize how short a time is left
till the annual declamation contest?
There are only about three weeks left
till the 10th of March, and it is time
for you to hurry up and get your decla-
mations learned. You will not be able
to win without hard work, for there are
many of the best declaimers in the col-
lege going into the contest. We would
urge every one to go into it that pos-
sibly can; the more the merrier. Presi-
dent Worst has very liberally provided
two medals to be awarded to the two
prize winners, and the students ought
to show their appreciation by taking
part in the program. Don't be afraid

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that there will be too many. There will
be a society contest, if necessary to
determine who shall go in from each so-
ciety. While the number in the final
contest is limited to ten, any number
may go into the preliminary contest.

As the winter term draws toward a
close we all naturally turn our thoughts
to what we are going to do next term.
Some may already have decided that they
are going to stay for another term,
others are yet undecided. To these latter
we would say: Think twice before you
decide to leave. Even if you have to
make some sacrifice in order to be able
to stay in school, it will well repay you
in the end. What is one term of school?
Barely enough to get well started, to
wear the rough edges off and prepare
for active work to the best advantage.

Attending school for the first time is
like beginning anything else; you must
get used to it before it becomes profit-
able. If you have not received as much
from the school as you expected this
term, remember that it is, perhaps, new
to you, and be sure that you will get
much more benefit from it if you stay
two terms in succession than if you take
two terms at different times. Studying
earnestly is hard work, just as hard as
pitching hay or shoveling sand, though

of a different nature. Do not think that because you have not learned as much as someone else has, you will not be able to do so in the future. Perhaps the other one has had better advantages than you have had, but we all had to begin at some time and you have as good an opportunity as any one.

Education is not one of the things that bring immediate results. It will not bring the dollars rolling into your coffers the moment you are through school. But it will bring you something much more lasting than this. It will teach you to enjoy the best things in the world as long as you live, and give you the

ability to cope with the problems of the world and to meet everyone on his own ground. You are not on this earth for a day or two. You expect to pass here fifty or sixty years. Is one year or two, then, too much to give up to something that will be useful to you for so many years. Make some sacrifice of time and money now. Do not live for today alone, but for tomorrow and the day after tomorrow, and all the years to come. Do not build a mere child's playhouse that will tumble down at the first adverse wind, but lay a foundation deep and broad enough so that you can rear on it the structure of your whole life.

ATHLETIC DEPARTMENT.

A. C. Girls vs. V. C. N. Girls at Valley City. A. C., 15; V. C. N., 14.

The girls by plucky fighting succeeded in pulling their game out of the fire. There was some very good individual work done, Miss Rice especially distinguishing herself.

Basketball is proving very popular among the short course men, and a great many of them are practicing and playing daily. They have some good material and have the start of a good team. They expect to play the pharmacy men soon, and will undoubtedly make the veteran basketball men of that department work hard to keep off defeat.

Jan. 13, 1905, Fargo Athletic Club vs. Agricultural College. First league game.

The first game of this season was somewhat of a disappointment from the spectator's point of view. The teams were far from being evenly matched. It was early in the season, and the A. C. team was in poor shape. The team was

made up of green men and there had been no development of team work. On the other hand the Fargo Athletic Club was a strong team of "stars," three of whom, by the by, were on last year's A. C. team. The score shows the unequal strength of the teams at that time better than words can picture it: F. A. C., 52; A. C., 19.

Jan. 21, 1905. Valley City Normal vs. A. C. at Valley City. V. C. N., 29; A. C., 26.

This was a close, fast game, with the spectators and officials seemingly in favor of the V. C. N. When time was called the A. C. team was really winner by two points, but the score keepers and time keepers both, in some unaccountable manner, made mistakes and the referee necessarily called "tie game." The Normal made the first points and was given the game by the referee.

The game was played in a small hall in which the large crowd overflowed the field and made good playing impossible. It was a rough and tumble game, fouls being freely made by both sides. And

it was at this point that the favor of the officials was clearly shown. The umpire was very unfair or had defective eyesight for he would not call fouls on the Normal players.

Second league game, Feb. 3. Fargo High School vs. Agricultural College. F. H. S., 27; A. C., 33.

The defeat of the high school came as a surprise, since they had been picked by many as sure winners. It was a very fast game. In the last half, with but a few minutes to play, the A. C. boys shot three baskets. Wambem covered the high school star, Birch, in good shape, and prevented him from playing his usual fast game. Ed. Corbett's work in shooting baskets was fine. The boys showed great improvement in speed and team work over their efforts in the first league game. There is strong competition for some of the places on the team, and the sharp competition has brought about some good playing.

The boys are determined to even up the score with Valley City on Feb. 25, at which time both the boys' and girls' teams from the Normal will be here for the return engagement.

The girls' team is in fine shape and they are playing good ball, but are hav-

ing quite a little trouble in getting games on account of not having made out a schedule at the beginning of the season.

Lack of college spirit and concerted action in rooting is just as noticeable by its absence at the basketball games this winter as it was at the football games last fall. Our girls are the only ones that will root at all in the face of adverse circumstances. At any and all times they can be depended upon to do their share, and more too. If it wasn't for the girls some of our games would be very tame affairs. Where are all the big husky men that are in school? They are there at the game, it is true, but off in some corner, afraid to lift their voices in giving our college yell. There are always enough of our boys present "to raise the roof," but they never do it; they have not the spirit nor the "nerve" that our loyal girls possess. It would be a great thing for our school if we could only get our boys to stand up for their college in all things, not only in athletics, but in every other department. Show that we have the best school in the state, and that we are proud of our school and will stand by the old A. C. now and forever.

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STUDENTS' SAYINGS.

Lee—"Who brought her up here?"

May—"They can't make me hibernate."

Weaver—"I've got my grist at the mill."

Oshwold—"I am going to waltz the next time."

Hulberg—"I got something I can look up to now."

Dolve—"I've got to get a new girl now, where is your book on etiquette?"

Mikkelson—"Darn those associate editors; they never hand in their stuff on time."

New Students—"They are all engaged ten dances ahead when I come around."

New Student—(pointing to Seniors, who appear in cap and gown)—"What are those people mourning for?"

Old Student—"They are mourning because the college is going to kick them out in the spring."

Local Happenings.

Essays, themes, debates!

For particulars in love making go to Harry Jensen.

A new flag has been hoisted on the main building.

Our basketball girls are doing bravely. Keep it up, girls!

Helen Clark—"Where is the fellow that is bow-legged in the eyes?"

Boys, you must remember that the alcove in the library is reserved for the girls.

Miss Erma Cook visited the college Jan. 30 to the delight of her many friends.

Frank Sears has been absent from school the last two weeks on account of sickness.

Prof. Keene was suddenly called away Jan. 27 on account of the sickness and death of his mother at Moline, Ill.

A new law: Gaudy ornaments decrease as civilization increases. For proof of this law examine you photo gallery.

Prof. (in stock judging class)—"How did you place them?"

New Student—"I placed them 1, 2 and 3, as you numbered them."

Friday, February 10, President Worst addressed the short-course students in chapel, urging them to stay for a longer period. The address was enthusiastically received, and will no doubt be the means

of deciding some of the students to stay.

Dr. Van Es has invented an ingenious method for sweetening strong pipes.

Mr. Simon Powers, a former student, is now at the mining school in Butte, Mont.

Mr. Fred Jensen was a visitor in town February 10. He is soon going into business for himself in Bottineau County.

What with themes, essays, reports and debates, the "Freshies" seem to be kept "continually on the jump," as the saying has it.

The Philomathians are busy now-a-days initiating old as well as new members. Why not get busy in a literary way, eh, Philos?

Miss Stephens (in Physics class)—"Why, Professor, I didn't know that there were sun dogs around the moon."
Prof. K.—"No, they are moon dogs."

It is said that some of our girls are so tender hearted that they will paint and powder their faces for every meal so as not to spoil their fellow students' appetites.

The class in nature study has been spending two hours a week in Science Hall under various instructors, learning at first hand where material may be obtained for winter nature study. The students have made observations upon the appearance of trees in winter, upon buds, leaf scars, seeds, etc. Many realize for the first time how much can be

seen of nature in North Dakota in the winter time.

Most everybody has got the grippe these days except the coal bin—it has consumption.

The mumps are going the rounds again. Several of the students are busily engaged entertaining this uninvited guest.

Professor Richards' classes in stock judging are now working on hogs. The professor says they all do remarkably well *on the hog*.

Norman Ellison, a member of the Sophomore class, has severed his connection with the college to go into a general store at Minot.

Several Wahpeton students availed themselves of the opportunity to visit our college while attending the Y. M. C. A. conference at Fargo.

A few of the college students were pleasantly entertained by Prof. and Mrs. L. R. Waldron at their home on Thursday evening, Feb. 2.

Dr. Putnam has got a new tenor singer in his family. It is hardly hoped that the new arrival will sing first tenor at the presentation of the "Rose Maiden."

Visitor—(to professor)—"When do you write best, doctor?"

Dr.—"In the spring."

Visitor—(to his friend)—"Every clod feels the impulse of spring."

Others have their troubles as well as the students. A little incident that happened a few days ago illustrates this point nicely. Professor Richards was demonstrating on a ring of horses, when Coach Marshall appeared

at the door and blurted out: "Say, have you got a girl for tonight, I'll be jiggered if I can get any!"

The Seniors have been running several boiler tests lately to determine the efficiency of the boilers, and also the fuel value of the North Dakota coal.

It happened some time ago now, but it is safe to say that it will not soon be forgotten—unusual events seldom are. The faculty sat on the platform!

The oratorical contest takes place Feb. 24; the declamation contest, March 10. As many as possible are earnestly and urgently asked to participate in the latter.

Owing to an attack of illness, Dr. Hult was unable to go to Grand Forks Saturday where he was to have addressed the students of the university on the subject, "The Opulent Third."

In one of the January numbers of *The Independent* appeared a sonnet written by our own English professor, Dr. Hult. It is called "The Unwilling Skeptic," and ought to be read by every one for the noble thought it contains.

The Junior faculty has organized an Owl Club. We do not know the purpose of the club, but inferring from the name it bears and from the membership composing it, we are satisfied it can make the owl hoot till long past midnight.

Miss Holkesvig, the genial president of the Athenian Literary Society, was pleasantly surprised at her home on Seventh Street, Jan. 27, the occasion being her "sixteenth" birthday. Progressive games formed the chief amusement of the evening. Owing to a scarcity of boys some of the most intelligent girls had to act in that capacity. Miss Hicks acted

her part so well that she carried off the head gentleman's prize, while Miss Thompson won the head ladies' prize.

The dance given by the band Jan. 27 was a grand success both socially and financially. The band, assisted by the college orchestra, furnished the music.

On Saturday, Feb. 4, a party of legislators, about a dozen, were up at the college endeavoring to become acquainted with the present situation and needs of the institution. They were not the regularly appointed committee to this college, but stopped here on their way to their respective homes.

The exhibition and judging of light horses, which took place in the college pavilion Saturday Jan. 28, was a pronounced success. Professor Richards was in charge. The large number of students and outsiders who were present manifested great interest in the proceedings.

It is reported that among the new members of the board of trustees will be one representing the Alumni of the A. C. The Alumni Association has ever since its organization been urging such an appointment, and it seems probable that the efforts expended have not been in vain.

Many new and good suggestions have been offered for the advancement and benefit of the literary societies. Most of these are entirely plausible and it is to be hoped the societies will profit by them. The faculty is taking a strong interest in the welfare of these organizations as is shown by their presence at the programs.

On February 2, the band and chorus rendered a program before the Fargo Musical Club and guests, at the Commercial Club rooms. The band gave four numbers which were vigorously encored.

The male chorus was also well received. Our musical talent is now receiving the well-earned recognition it has been striving for the last two or three years.

The faculty has been considering the expediency of giving two entertainments in the college chapel to the short course students. These will probably take the form of illustrated lectures.

Mr. Thysell is carrying on an original investigation of tuberculosis in chickens. He has found several cases that were reeking with tubercles. Who knows but what this institution may yet turn out a second Pasteur.

Two bulletins have recently been issued by the experiment station: Bulletin No. 61, "Weed Studies," by Prof. L. R. Waldron, giving the details of experiments on berried weeds, and also habits of the French weed. Bulletin No. 62, "Food Adulterations," by Professor Ladd, gives analyses of many kinds of food examined. These bulletins are for free distribution.

The local Oratorical Association, composed of the Athenian and Philomathian Literary Societies, held the annual election of officers Monday, Jan. 23.

The following were elected:

President—J. T. Weaver.

Vice President—R. A. Froemke.

Secretary—Roy G. Cooke.

Treasurer—J. A. Swenson.

The basketball girls were the participants of a turkey dinner at Francis Hall Tuesday evening, Feb. 2. Covers were laid for eight, and a four course dinner was served by the members of the second team to the first team. Miss Reid and Mr. Parrott were also present at the pleasant affair. The girls voted it a great success and were especially pleased

with the dainty place cards, painted by Miss Wilson for the occasion.

What we don't know:

Where the Junior faculty got their dress suits.

Who swiped Miss Reid's carnations.

What became of the ice cream that was left over at the banquet.

Who took a fall in front of the main building on the night of the reception.

Who is going to be Marshall's next girl.

Why Mr. Schollander frequents the jewelry store.

The Athenian Literary Society gave a very good program in the college chapel Saturday evening, Jan. 28. There was a fairly good attendance, and the outlook for the future is indeed promising. The following was the program, each part of which was given with spirit:

Vocal Solo.....	Mrs. McDowell
Recitation	Miss Stephens
Essay.....	Mr. Thysell
Piano Solo.....	Mr. Lenhart
Original Story.....	Mr. Glomset
Reading	Miss French
Current Events.....	Mr. Swenson
Critic	Mr. Mikkelson

The class in Freshman English is speedily becoming converted, on Fridays at least, into a proficient debating society. There are sufficient members in the class to furnish four interesting debates, two of these having already taken place. The first, "Resolved, That Co-Education in Colleges Is Desirable," was won by the affirmative, as was also the second, "Resolved, That the Eight Hour Labor Day Should be the Standard for all Trades in the Country." The other two are on equally profitable and interesting topics. They require, however, a great amount of reference work. Not only our own library, but the Normal and Fargo College, as well as the public libraries, are

patronized by our students, the result being that they are fast becoming acquainted with all these places and their books.

The annual report, which gives in outline the work of the various departments of the experiment station, has recently come from the hands of the printer. This is really a handbook of the work of the station for the past year and contains much valuable information which is not to be found in bulletin form.

The Edith Hill Club has elected its officers for this term. They are:

President—Pearl Canniff.

Vice President—Laura Morrison.

Secretary—Ruby Hicks.

Treasurer—Emily May.

Executive Committee—Elizabeth Rice, Genevieve Holkesvig.

This choice of officers is a particularly happy one and many are the plans which are being devised for the pleasure and edification of the college girls. A simple farce is contemplated for the near future while the regular work and aim of the club will be to interest and instruct its members in some phases of "Art."

The Edith Hill Girls' Club gave a most enjoyable reception to all the new girls at college on Tuesday, Jan. 23. The rooms at Francis Hall looked very inviting and cozy when, at 4 o'clock, about a hundred girls gathered there. Games were played for a time, then an old-fashioned Virginia reel was danced, Miss Carter playing the accompaniment. Lunch was served all the time by two of the club members.

A delightful program was rendered. Miss Pearl Canniff sang two solos in her usual pleasing style, Miss Neva Stephens told about the series of incidents which resulted "When Mr. Brown Had His Hair Cut," and Miss Carter played with her well known skill a couple of piano

solos. Refreshments of cakes and chocolate were then indulged in, after which the girls danced for a while in rollicking fashion. At 6 all left for their homes having spent a very pleasant afternoon.

During the past month, the chapel has been filled well-nigh to overflowing and many have not been accommodated but have continued their class work. Those present have occasion to be grateful for the privilege since the convocation hour has been made most profitable and pleasant for all. Monday, Jan. 16, Superintendent Forrester of Pembina County gave a good speech on "Is the World Deteriorating or Is It Not?" He strongly affirmed that it was not and brought out his views with great force and distinctness, strengthening his arguments with much evidence.

Professor Minard of the English department was the next Monday's speaker. He told in a most interesting and pleasing way the story of the life of Croesus. The rise of the power of this great Lydian king and its sudden downfall were pictured in simple yet forcible language.

No speaker being available for the next convocation, Dr. Hult read extracts from Dr. Briggs' "School and Routine." "Practice and application," says this gentleman, "are not only of great value but are truly necessary to the accomplishing of all tasks. There is no greater folly than that of trying to escape the little duties, as well as the greater ones, of life. The value of habit, too, is very

great—it has, in fact, been called ten times nature."

At the last Monday meeting of the month, Mr. Van Horn of Fargo spoke on "Opportunity." He delivered a most forceful and convincing speech on this interesting subject.

A most successful reception was given by the A. C. faculty to the faculties of the Moorhead Normal and high school, the Fargo College and high school, and the members of the University Club on Saturday evening, Feb. 4. About 125 guests were present at the pleasant function. The dining room was decorated in red and green, with ropes of smilax and a profusion of deep red carnations everywhere. The reception room was very pretty with its decorations of green and yellow, the college colors. Palms and the many luxuriant couches piled high with cushions gave the room an air of home-like comfort which made everyone feel friendly. During the evening a two-course luncheon was served, red carnations being distributed as favors. The orchestra played all through the evening.

This reception was a most happy thought on the part of our faculty for it brought together people of congenial tastes who live near each other without being well acquainted. The members of the various faculties will now, no doubt, feel more as though they knew one another, and if the reception succeeds in bringing about this result, it will have been a great success.

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