

copper, silver, or cobalt. The price of aluminum was \$90 per pound in 1854, the first year of its commercial production, but is now reduced to 50 cents per pound. When its cost is no greater than that of the common metals it bids fair to replace most of them.

B. F. M., '98.

A SUGGESTION.

"Progress is our being's law." Civilization has, on the whole, since history began, moved onward and upward, yet it is surprising how little progress mankind has made in certain lines, as is portrayed by the article on "Taxation" in the January number of THE SPECTRUM.

In that article are described the several methods of taxation which have existed since the flood, and which are still the only methods employed. In spite of the fact that civilization has far outgrown these methods, and that all thinkers proclaim them unjust, we still continue to use them and, indeed, we are given not the slightest ray of hope for better methods in the future. These ancient, unjust, barbaric systems by which the poor and weak support and protect the rich and strong are the only ones offered.

What a sad picture! Progress must cease, humanity must be degraded, an educated, powerful, wealthy Christian nation must decline and decay, because no just system of raising revenues to meet necessary governmental expenses can be devised. It seems ridiculous, does it not?

It is not proposed in this brief to present a Utopia by which humanity may be lifted to the heights beyond, but merely to offer a suggestion.

The trouble with most of us is that we are too densely ignorant and prejudiced. Great and wise men have spent their whole lives in the study of the problems of humanity and have left us the results of their study with practical suggestions as to how certain evils

may be remedied, but we regard them not. Often we know nothing of their works. We are most all fools as Carlyle says, but, occasionally a man with common sense appears. He sees things as they are. He is able to distinguish right from wrong, justice from injustice. He discloses to the people the fact that they are being robbed and plundered. He proposes changes, advances new ideas, new systems. What happens? Why, we, the fool people heed not. We call the reformer a crank, a socialist, an anarchist. If we hear, we stop our ears. If we understand, we pervert our understandings by listening to the false teachings of other gods, selfishness, greed, avarice.

There have been systems of taxation brought forward in the last half century which, if put into operation, would undoubtedly prove far more just and equitable and more successful than those of the present time. But none of them have been adopted, they have soon been destroyed by the false gods referred to above. The graduated income tax is the fairest, the most just system of taxation ever tried in this country, but because it did equalize the burden of taxation and compel the wealthy to pay their just portion, it was declared unconstitutional. A wide-awake man, H. P. Little, has recently penned these lines which are so apt in illustrating the situation, in which we find ourselves today that they will bear repetition.

"Since treachery seems to be the rule,

Fidelity the exception;

Since money secures the passage of bills,

Its absence their rejection.

Why not establish a 'boodle' fund

From the gifts of an enraged nation,

And then go into the market and buy

Some decent legislation?"

Another method of raising revenue, which is much spoken of but little used, is that of taxing inheritances. Henry George's single land tax system has been widely discussed in the last few years and has many followers.

How many of us understand it fully? Yet, Henry George was one of those

great common men who live and die for humanity. All the great men of history, who have helped to elevate their race, have just been great common men with common sense. Not kings, not dukes, or landlords, or millionaires, but Washingtons, Jeffersons, Lincolns and Garfields.

How many of us really understand the meaning of Co-operation, Direct Legislation, Nationalization, Socialism? yet these names stand for progress, not for retrogression.

"Onward, upward is the word

From creation's morning heard."

"'Tis no disgrace not to know, only a disgrace not to learn." We need to read more, study more, think more for ourselves upon political, social and economic questions and season all things with common sense.

A. M. T.

THE PRIVILEGES OF CO-EDS.

Were you ever privileged to attend a private boarding school or a young ladies' seminary? If not, you have friends who enjoy the distinction and they are thus marked as young women of family and money. You know that they cannot go shopping without a chaperone, that they receive their "brothers" and "cousins" in the stately presence of that estimable human institution for the prevention of dismearor, that their every letter is inspected before it goes to mail.

They certainly gain something of the dignity and reserve which should tinge the behavior of any young woman to a certain extent; but we always feel that this may not be the result of their own natural womanliness but of culture.

With the Co-ed it is different. She has the privileges of coming and going freely, of joining in the literary work and even athletic sports with her good friends and comrades, the boys, so gaining liberality of mind and strength of body.

She has the most glorious privilege of asserting her own womanliness and mental strength. We would hate to see

her a prude or a fun-lacking, spiritless creature, with no time except for study; but there is another role in which she may arouse the actual contempt of the onlooker. Have you ever seen her spending all her spare time in the halls, her idiotic school girl giggle, mingling with the voice of the youth whose brilliant jests have provoked her prolonged mirth? Have you ever seen her studying with one eye on her book and the other on some attractive biped, her attention probably divided in the same proportion?

We refuse to think of her in this unpleasant aspect. We know her to be a different girl altogether. We see her study with her whole, bright, sound mind on her book; we see her enjoy herself at the proper time and hear her ringing laugh when occasion warrants. We know that those queer creatures, our brothers, who are so famous for throwing stones from the windows of their own glass houses, never call her a "hall walker," or speak of her mysteriously as being "dead easy."

She does not require a stately chaperone at her elbow, her self respect is sufficient to guard her against exposure to unfavorable comment.

The following clipping is respectfully dedicated to the class of '98:

"We seniors dwell in dreamy ease,

On the banks of the River Siow,

Where blooms the wait-a-while flower fair,

Where the some-time-or-other scents the air

And the soft go-easys grow,

"We live in the valley of whats-the-use,

In the province of Letter-slide,

And that-tired-feeling is native there;

It's the home of the reckless I-don't-care,

Where the give-it-ups abide.

"Our home's at the bottom of Lazy Hill

And is easy to reach I declare;

You've only to fold up your hand and glide

Down the slope of Weak-wills slide

To be landed quickly there."

Paleontology a Tracer of Evolution.

Among the tracers of evolution may be mentioned three resemblances of great importance, viz.: structural, physiological and historical; according to the evidences these have put forth they rank respectively as they have been mentioned. Although each now affords a great deal of evidence, and will afford much more after further careful research, it is very probable that in the future they may not rank as they now do.

Historical resemblances which are traced out through paleontology are as yet very imperfect, but there are strong reasons for the belief that after palontological resources have been thoroughly investigated, the testimony which will be presentable by historical resemblances will be as great a supporter of evolution as that offered by either structural or physiological resemblances.

Paleontology, which is so intimately associated with geology as to be inseparable, is but a modern science, in which as yet, comparatively few scientists have attempted investigation, but to those the reward has been abundant. They have been working with few tools under great disadvantages, nevertheless great advancement has been made in tracing out the gradual changes brought upon a few of those animals whose fossils are most perfectly preserved, among which are those with hard bony skeletons or hard shell coverings, such as the fishes, mollusca and brachiopods. It is also true that those remains laid down in strata under water prevents the elements of decay from coming in contact with such remains. On land it is vastly different; as soon as an animal dies, decay immediately begins. The different elements of decay soon take active part in separating the unstable compounds of organic remains. Only those land organisms which are laid down in bogs, marshes or strata overlaid by water, will in anyway be well preserved.

But it is not necessary that paleon-

tology should prove or show the effect of evolution in each class of animals. If it but gives clear evidences of the work of evolution, in those fossils which are well preserved, it is all that is necessary.

In studying the fossils of the different ages of rocks from the Silurian to the Quaternary, or to the present time, we find the remains of animals greatly different in the extremes; but by closely tracing the changes from the ancient extreme to the present, we find a gradual variation from a very simple animal to the latest and most complex.

The oldest rocks containing animals, the Paleozoic, comprise species of nearly all the branches of invertebrates, including also a few fishes. The majority of these animals, however, belonged to the generalized types, but some were as special as any living today. But as we carefully trace the gradual variations in the animal forms, we find the generalized types slowly giving place to more permanent and specialized forms. In a change from a generalized type to a specialized type, there is generally noticed as the result, a more complicated and higher grade animal.

Through the study of paleontology it is observed that before present specialized fishes became fixed as to type, numbers of species of cartilaginous and mail-clad fishes had become extinct, and that before the present highly specialized horse arose, it was preceded by a number of more generalized species and genera, the oldest of which approached the tapir, one of the most generalized of mammals. Similar in history to those mentioned are the mollusks and ammonites.

So clear is the evidence of evolution in some instances of fossil history that little remains to be done to establish a complete record of changes. Still there is a broad and deep field of work from which abundant evidence can be procured in proof of the gradual variations and progress in the development of animals.

Thomas F. Manns.

Exchanges.

Michigan is making efforts to secure Mark Hanna to preside at their oratorical contest.—The Nebraskan.

The faculty of the Leland Stanford, Jr., University recently suspended forty-five students for inapplication and misconduct.—Industrial Collegian.

The Agricultural Student from Columbus, O., is a very neat college paper devoted entirely to agricultural subjects.

The University of Minnesota is contemplating engaging Minds, Pennsylvania's famous full-back, as their coach next season.—The Nebraskan.

The following quotation from Frank Stockton appears in one of our exchanges:

"This world that we're livin' in
Is purty hard to beat,
You get a thorn with every rose
But ain't the roses sweet?"

Rutgers College has adopted the plan of referring all cases of discipline to a student committee—the president voting in case of a tie—Wahpetonian.

"The Study of English in Secondary Schools," written by C. M. Furman in The Clemson Chronicle for January is a commendatory article. It makes a plea for a more thorough course in our mother tongue before commencing the study of the dead languages, and states the fact that many applicants are rejected by Harvard, Cornell, and Pennsylvania Universities and by many of our best schools because of their inability to write correct English.

The Rhind manuscript, now in the British museum, is the oldest intelligible mathematical work extant that has ever been deciphered.

We have added to our exchange list The Comenian, Bethlehem, Pa.; The Seminarian, Osage, Iowa; and The Purdue, Exponent, Ind.

The January number of THE SPECTRUM, published by the students of the North Dakota Agricultural College, is replete with valuable information and

timely suggestions. THE SPECTRUM is a valuable acquisition to the educational interests of North Dakota.—Fargo Argus.

Daughter: Yes, I've graduated, but now I must inform myself in psychology, philology, bibli—

Practical Mother: Stop right where you are. I have arranged for you a thorough course in roastology, boilology, stitchology, darnology, patchology and general domestic husteology. Now get on your apron.

The best educated queen in the world is Her Majesty of Italy. She speaks, besides her own tongue, French, German, English and Spanish, and studies such subjects as theology, zoology, geology and botany.

The state of Vermont has recently established a Bacteriological Laboratory for the sanitary benefit of the state, where physicians and other properly interested persons may have diagnoses of disease made free of cost.

We notice that a good many exchange columns are made up of nothing but stale jokes and miscellaneous information that is of interest to no one. When an exchange department cannot represent the better side of college journalism, give the thoughts that are worthy of perusal throughout the student world, and as far as possible, show what college life is in other institutions, then it would better be omitted.—Yankton Student.

The face is not always a correct index of the mind, for when a man's temper is ruffled his brows are knit.

Lieut. Albright has been detailed as military instructor at the University of North Dakota. We congratulate the U on their good fortune.

Professor—"The coast of Massachusetts is rapidly sinking." Student—"But Plymouth Rock is still standing." Professor—"The waves have a veneration for this rock."

linquent spirits are wont to apply when excusing themselves for loss of time, the weakest is this: "I will make up for it in the future." But the future has duties of its own and if today's duties are performed, then the default is not balanced—'tis only shifted and usually increased in the transaction.

It is worth considering that while the loss is irreparable, no amount of repining can make it less.

Any of the professors will be glad to lay out a course of reading that, if persisted in, may be of greater help than you now imagine, especially when the time comes that you are to seek a situation in almost any calling that a college graduate would naturally select.

"Do you love life?" Then do not squander time, for that is the stuff that life is made of.

We notice by one of our contemporaries that the College League in that college is dormant nine-tenths of the year and alive but one-tenth. A similar condition exists in our own college except that the one-tenth should be added to the nine-tenths. Now why should such a condition exist? We will not admit that there is not talent for such kind of work at this college for we think that there is. But where can I get the time asks one. Oh, there is the point: we have no time. It is an old saying, though, that we always have time for that which we wish to do and it seems strange that for the honor of themselves and for their college students do not take a keener interest in the work. "Nothing succeeds like success" and part of the success lies in the preparation of the work at the proper time. A college cannot obtain that prestige, so essential for its best interests except as it begins at the beginning of a selected course of action and follows it thoroughly and conscientiously year after year. In this way certain points of advantage become traditional as it were in the college community and whatever virtue there is in accumulation and inheritance each passing set of students may turn to their advantage. Since

the ability of contesting students from different colleges is practically the same it is just from such advantages as these that victory must come.

The value of a contestant in any field may be largely measured by the worth of his cause and by this test we can never hope to win except as we have to maintain a reputation for able and thoroughly oratorical work. It is putting it very mildly to say that we have no such reputation yet. That such is a fact may be no disgrace now but it soon will be, and the honor of setting a high standard should be well worth striving for, since the pioneer is always granted a special distinction. It may come to pass that the meek shall inherit the earth but in the present case we would advise gumption.

Professor Shepperd is in receipt of a letter from James Wilson, secretary of agriculture, Washington, D. C., stating that twelve tons of extra fine *Bromus inermis* seed has been received by the department of agriculture direct from Russia. Secretary Wilson further states that North Dakota shall have her share of the seed, and that it will be sent to the Experiment Station for use in the state. Secretary Wilson was the professor of agriculture in Iowa, under whom Professors Shepperd and Kaufman graduated.

The Experiment Station has a new and useful article of furniture in the shape of a beautiful case of twelve drawers, containing cards of reference for all the station literature. In each drawer are two rods upon which are strung printed cards of reference. These cards were made out by the government for all the Experiment Stations and Agricultural Colleges, and are arranged by a system of decimals in such a manner that one who wishes to read up on, say the cultivation of strawberries, can put a finger on the proper card immediately and from that go to the volume referred to.

New seats have been supplied for room "I" in the mechanical building.

Local Happenings.

"Cats."

Register.

Roll call.

Target practice.

Has winter finally come?

What is a "Curator of Cats?"

How about those senior orations?

Who is it that makes the world go round?

President Harrison of the Mayville Normal attended chapel exercises Feb. 10.

Rev. Mr Mooney conducted Y. M. C. A. services at the College Sunday, Jan. 16.

During the month Professor Bolley gave two short talks on "Reading" in chapel.

The lectures by Prof. Squires of Grand Forks are very interesting for the class in literature.

We notice by the bulletin board that the "curator of cats" would have his felines registered.

Some of the non-commissioned officers are troubled over the question, "Shall I take music, or drill the awkward squad?"

Very seldom is a choir encored, particularly when they present an anthem. Ours must have been taken by surprise when they made their debut Wednesday.

Will some one kindly inform us why two or three of the young ladies attend the military lectures every Monday afternoon? Are they interested in military affairs, or do they like military men?

The Athenian Society has elected the following officers: Jessie Taylor, president; H. Brand, vice-president; E. M. Andrews, secretary; B. F. Meinecke, critic; Edith Hill, member-at-large.

Mr. Field gave a talk on "Bacteria" at Wahpeton on the evening of Feb. 8. The lecture was given upon the invitation of some of the citizens of that enterprising burg, who turned out to the

number of over 200 to hear what was pronounced by all to be a most entertaining and instructive talk.

Young ladies who would like to swear and are too bashful to do it in English, should study German. If you are found out, you can, by the simplest turn of the tongue, say that it meant something else.

She is a soft little co-ed,
He is a student (?) with no head,
They talk in the hallways,

And keep at it always,
But, my! how their goose eggs have
grewed.

The singing class under the instruction of Miss Foster, is making rapid strides toward perfection. Considerable new music has been ordered, and the class is the largest and most promising ever organized here.

During the past month the students of the College have completed a student organization, with the following officers: H. McGuigan, president; C. R. Foley, vice-president; Miss Jessie Taylor, secretary; T. H. Heath, treasurer.

The faculty have been busy for the past week preparing plans and estimates for work the coming year. While they have to pare rather close to the rind in some items, there are means for carrying on all the academic and station work creditably.

The students in advanced geology were asked to classify a peculiar kind of rock, lately, and some of them gave themselves away—badly. One of them, however, could not be fooled and immediately pronounced the specimen "Metamorphic dough" from the Domestic Economy Department.

One of the students in Military Engineering is learning to tie knots. During the past week he has attained a degree of perfection that very few aspire to. He says the most troublesome one to tie is the true, lover's knot. His roommate believes that though he had

trouble in tying this knot, it is three times as hard to untie it.

A pleasant party was given at the dormitory on the evening of Jan. 28.

Miss Senn discussed "The Chemistry of Foods" before the Woman's Club Feb. 4.

Forty-three young ladies are enrolled in the department of Household Economics this term.

Misses Barrett and E. Olson gave an afternoon tea to other members of the class in household economics, Feb. 1.

Right gladly we notice the faithfulness with which "Mike" looks after the supply of artesian water for the thirsty cadet.

John Wiley & Sons are the publishers of Professor Ladd's Manual of Quantitative Analysis. They expect to issue the work from the press about March 1.

At the machine shops, Mr. Howe, '02, has in course of construction an electric machine in the form of an induction coil, which, when completed, is expected to give a spark between three and four inches in length.

The physical lecture-room now boasts a lecture table, complete with gas and water supply, which adds vastly to the convenience for experimental work before classes and lends much to the appearance of the room.

Several from the College attended Dr. Smith's lecture on Social Problems. The students generally do not attend these lectures as they should. A broad education can only be gained by improving such opportunities.

The Chemical Department has just received direct from Germany, a Kirchhoff & Bunsen Grand Model spectro-scope. The instrument is a very valuable one and will be a great addition in many lines of research work.

Judging from the number of rehearsals we predict that the competitive drill will be a close contest. Evidently a large number are anxious to win the honors. If a spirit of this kind were exhibited regarding oratorical honors,

we should not have to write over the league, "Sacred to the memory of —."

It seems that by inspiration the senior preparatory class were given class room F again instead of I in the Mechanical Building. The following motto was written on one of the boards in that room: "There is no place like home," "Class-room F."

Professor McArdle will soon be perfectly happy. By careful calculation it has been determined that by recent additions he has just three acres of black-board for X's and Y's and two and two-thirds acres for sines and cosines Tremble, ye preps.

The cobweb social given by the Athletic Association on Jan. 14, was a decided success. A most unusual incident of the evening was the fact that some of the boys were very fortunate in securing the "spider" that they had escorted to the entertainment.

The Chemical and Conversational Club will meet with Professor and Mrs. Ladd Friday evening, Feb. 25, and discuss the following program:
Ptomaines in Foods.....Mrs. Wear
Coloring Matter in Foods..Prof. Ladd
Thein as a Food.....Mr. Benn
The conversational will be conducted by Miss Bronson on the Life of Dana, and The Principles Underlying the Brook Farm Settlement.

Since, from lack of space, the short course man must needs pay tribute to Vulcan during the early morning hours, we who seek for learning in the Hall of Mechanics, know he is there, not because we see him, but because we "nose him" as we go up stairs." In other words, the short course man in the blacksmith shop, during the first two hours, kicks up a most wonderful amount of sulphurous smoke and like noxious vapors that penetrate even to the front door.

The young ladies are taking an active part in athletic sports. Two basket ball teams have been organized and the captains are endeavoring to arrange for games with the "sisters" of Fargo College. (We understand the druggists

are offering to supply liniment at reduced rates.)

Rev. Mr. Gebhart conducted chapel exercises Jan. 2.

There will be a competitive drill for escort of the colors.

What was the object of roll call in the chapel the other morning?

Gallery Practice has commenced and the "kids" are having "heap fun."

J. W. Murphy, with '01, of Sanborn, was the guest of C. R. Foley, Feb. 6-8.

R. S. Brasted of Fargo College visited E. D. Tucker at the College on the 7th.

The cadets of the College expect to drill to the music of a \$25 bugle in a few weeks.

The new aquarium in the Botanical and Zoological Laboratory is in running order.

Professor Bottenfield was unable to meet his classes for a week, on account of sickness.

Rev. Mr. Mooney attended chapel Jan. 18 and gave an address on "Masters of the Situation."

Lawrence Wa'dron is compelled to be absent from his classes because of an attack of appendicitis.

Professor Kaufman attended a meeting for the organization of a creamery at Enderlin on the 8th.

We are pleased to note that several of the state papers quote from THE SPECTRUM and give due credit.

The chapel has been supplied with gas, so now it is lighted with Wellsbach burners instead of the kerosene lamps.

Additional blackboard has been placed in the various class rooms, and one has been mounted, to be used by the music class.

Iver Vick of Eddy County visited the Dairy Department on Feb. 7. Miss Vick will soon commence a course in dairying.

Mr. B. S. Russell of Jamestown visited at the College on Friday, Jan. 28, to confer with Professor Shepperd con-

cerning cultivation experiments, to be undertaken the coming season.

Mrs. Cravath, matron of the girl's dormitory of the University at Grand Forks, with her sister, Mrs. Cravath, and Miss Vowels, of Fargo, visited the College during the month.

Mr. Field is at present working on tuberculosis germs, and informs us that there are a great many cases of tuberculosis in the state at the present time: also that on examination, Red River water taken from the hydrant was found to contain 800 germs per cubic centimeter.

Miss Caroline Bronson is preparing a thesis upon the relationship of the fungal hyphae of the smut fungi to the cells of the various hosts upon which they grow. The subject is quite a new matter of investigation and should furnish some new facts regarding the structure of these parasites.

A new synthetic carbohydrate has been prepared, starting with tartaric acid, that has the same composition as glucose. It is a solid, gum-like body, sweet, soluble in water and gives many of the reactions common to glucose. This carbohydrate has also been further polymerized into a product, having the same composition as cane sugar. Is it possible that, in the plant, tartaric or other organic acids are the starting place for the carbohydrates instead of formic aldehyde as has been supposed by many?

County Superintendent, Mrs. Davis, is making arrangements for the summer school to be held at the College. The additional seats, blackboard and new rooms will furnish much better facilities than last year, and with last year's experience, a training school of high order will undoubtedly be the result. The county commissioners have been very kind to aid in a financial way. The corps of instructors will soon be selected.

The Department of Botany has just procured an invoice of very valuable books in general science, among which are—the volumes of the Columbia Uni-

versity Biological Series—and Eimer on Organic Evolution.

You students that stay away from chapel to study, will you continue to do so?

"'Tis sweet to love, but, oh, how bitter

To court a girl and then not git'er."

So said THE SPECTRUM of last issue, but

"'Tis sweet to love, now please don't titter,

To know there's yet a chance to git'er."

The Inter-Society debate which took place Jan. 15 was won by the Philomathians. The question was: "Resolved, That the opinions of Thomas Jefferson have had a wider influence upon the people of the United States than those of Alexander Hamilton." The judges were Attorney Resser, Professor Love of Fargo College and Rev. R. Mooney. The victors spoke for the negative.

One of the most exciting incidents that has taken place during this decade occurred at the dormitory on Jan. 16. On that day the students were treated to oyster soup, and one of the boys finding that an oyster remained in the bowl, and would not be caught with the spoon, thought that he would dive for it, and forthwith proceeded to attire himself in his bathing suit. The marshal removed him, and the last words we heard were—"I'll have that oyster if it is the last thing I do."

LANGUAGE DEPARTMENT.

The English classes are large this term. Three English grammar classes have been organized to accommodate more than a hundred students assigned to that work.

The Word-Analysis class is the largest and most enthusiastic in the history of the school.

The present freshman class is doing more advanced work in rhetoric than previous freshman classes. Paragraph structure and development is the topic for this term, and the daily composi-

tions show a considerable degree of proficiency on the part of many of the class.

The freshman class is also showing commendable interest in English literature. Many of the class have read more widely from standard authors than is usual with this grade of students; they consequently have a better appreciation of the subject.

A term of advanced rhetoric has been introduced into the winter term of the sophomore year. Genung's two books—Practical Rhetoric, and Rhetorical Analysis—are the texts. Besides the general science sophomores, several specials have classified in this subject.

The increased proficiency of the literary societies is becoming apparent in the number of students who apply to the English Department for assistance in orations, essays and recitations.

We are glad to welcome Mrs. Ten Eyck and Messrs. Nordby, Clyde and Rakow as re-inforcements to our French and German classes this term.

All these classes have done considerable reading and are making such gratifying progress as augurs well for their future proficiency in these subjects. Storm, Hillern and Heine all have ardent admirers among the students, but one of them believes that Heine is ver-rückt. He cites in support of the opinion the author's delightfully inconsistent style in the "Harzreise," in which sadness and mirth, sentiment and utility, sublimity and absurdity are all blended into one full-of-Heine-coined-words-difficult-of-translation yet harmonious whole.

Had our student expressed this opinion sixty years ago, he would have found many sympathizers among the author's contemporaries; but the forty-one years that the blossoms have bloomed and faded over the poet's grave have brought upon the stage of existence a generation better able to impartially judge the man and the poet, and our recent centenary celebration of his birth demonstrates beyond fear of cavil that Heine's niche in the temple of fame is assured.

Dr. Fisk conducted chapel exercises Feb. 15 and gave a short address.

Mr. Emmerson, of Grand Forks, with his cousin, Trustee Osgood, visited the institution Jan. 23.

A chapel choir has been organized and will add variety to the exercises by solos, duets and trios.

E. C. Sargent of Amenia looked over the different departments of the College during the past week.

On account of the illness of the editor-in-chief, THE SPECTRUM is late this month, and some of the locals, which were prepared on time may appear somewhat antiquated. For instance, the one relating to competitive drill. Our prediction, however, came true. The competition was held Monday afternoon instead of the regular lecture. Messrs. Phelan and Jay Brand were the successful candidates and the visitors who witnessed the event speak very highly of the efforts of all who took part.

Our senior class is not very large but it contains some peculiarities not yet developed in the other classes:

Benn begins by being boyish and bar-
ters books for bullion,

Bottenfield borrows bombast barely be-
lievable,

Bronson believes biology bewitching
and busily bubbles on,

Follett finds fun fondling fuming
fluids.

Gibson gathers grasshoppers and gets
good grades.

McGuigan makes much melodious
music.

Meinecke measures machines and makes
many marks.

Small sees startling sights and says
smart sayings.

BASKET BALL.

Some four years ago, there was introduced to the athletes of this school an invigorating enthusiasm-creating game known as football. For a time it was a weakling and needed careful

nursing. This care and nursing was supplied by those who had known the child in other days, and soon there was developed a lively interest and the football spirit seems to have come to stay. (We hope, however, our enthusiasm will not be measured by the record of our success last season.)

Now a new child presents himself, but how different he is from his brother who came in his canvas suit, heavy spiked shoes and with hair that would put to shame a cap sheaf on a North Dakota wheat shock. This new child, basket ball, has found a warm reception within the doors of our athletic association, and his quick, agile and crafty action has won the respect and admiration of all. He has already created such a stir that even our sisters are falling in love with him and are taking an active part in his affairs. They have regularly organized into teams which vie with each other for first place. Well, sisters, we are glad to welcome you, and we feel that your influence will tend toward a high ideal in athletic sports.

Since the last issue of THE SPECTRUM a basket ball league has been organized consisting of the Y. M. C. A., Fargo College and this College. R. A. Lathrop, Norris Orchard and M. C. Henry represent the respective institutions on the board of managers. A series of nine games was scheduled to be played in the Armory of Co. B. as follows:

Jan. 22 . . . Y. M. C. A. vs. N. D. A. C.

Jan. 29. . Y. M. C. A. vs. Fargo College

Feb. 4. . N. D. A. C. vs. Fargo College

Feb. 11. . N. D. A. C. vs. Y. M. C. A.

Feb. 18. . Fargo College vs. Y. M. C. A.

Feb. 22. . Fargo College vs. N. D. A. C.

Feb. 25. . Y. M. C. A. vs. N. D. A. C.

March 4. Fargo College vs. N. D. A. C.

March 11. Fargo College vs. Y. M. C. A.

The first four games have been played with results somewhat discouraging to us, but when we consider that this is our first appearance with basket ball, and that some of our players had never seen a game before this winter, while the Y. M. C. A. team is the champion of the state and the Fargo College

team contains men of several years' experience, we have reason to feel encouraged with the progress thus far made.

The first league game resulted in a score of 7 to 2 in favor of the Y. The victors played their usual team game with Knerr and Foster very much in evidence. For the A. C. team McGuigan and McBain played a strong and snappy game as guards, but there was a noticeable lack of team work.

The second game of the series resulted in another victory for the Y, who defeated Fargo College 11 to 4.

In the third game the brilliant, fast and snappy plays of the former games were lacking. Owing to illness, Scholander and McBain were not in the game, and their absence was noticeable in the work of the A. C. team. The game was a victory for Fargo College with a score of 14 to 9.

The fourth game added another victory to the Y and another defeat to our list, but the game showed marked improvement in all the players. Scholander and McBain have left the team, but their places are filled by men whose work is excellent. Our weakness is team work. Tucker enjoys the distinction of having thrown two baskets against Lewis, who, it is said, never before allowed an opponent, working directly against him, to score.

As a record ours is not to be envied, but we believe that a little more experience and practice will allow us to cope successfully with our competitors.

E. P. SUNDBERG,
Jeweler and Optician

Diamonds, Watches, Rich Jewelry. The eye examined for spectacles free of Charge.

70 Broadway, Fargo, N. D.

Lally & Anderson,
Clothiers and Furnishers

Repairing, Dyeing and Cleaning in the Basement.

No. 71 Broadway, Fargo, N. D.

Teachers Wanted....

Union Teachers' Agencies of America, Rev. L. D. Bass, D. D. Manager

Pittsburg, Pa., Toronto, Can., New Orleans, La., New York, N. Y., Washington, D. C., San Francisco, Cal., Chicago, Ill., St. Louis, Mo., Denver, Col.

There are thousands of petitions to be filled. We had over 8,000 vacancies during the past season. Unequaled facilities for placing teachers in every part of the U. S. and Canada. More vacancies than teachers.

Address all applications to
Saltsburg, Pa.

TELEPHONE CONNECTION.

The Fargo Steam Laundry,

FRED B. LOOMIS, Proprietor.

No. 9, Eighth St., South.

FARGO, NORTH DAKOTA

THE  CITY
LAUNDRY

IS THE BEST. Express Work a Specialty.

36 N.P.A.V. W. B. Auxer, Prop.
Fargo.

Use "Persian Secret"

For Chapped Hands and Face. You will Pronounce it the

BEST,

Twenty-five-cent bottles at

Geo. C. Sabin,
The Broadway Pharmacy.

K. M. HAGEN,

Dealers in Men's, Ladies' and
Children's Footwear, Gloves and
Mittens. Repairing a Specialty

420 Front St., Fargo, N. D.

SEWER BUILDING A SPECIALTY.

Sheet Lead, Lead Pipe and Plumbers' Supplies,
Wind Mills, Pumps and Iron Pipe.

W. D. ALLEN,

Plumber, Gas and Steam Fitter

No. 15 Broadway, Fargo, North Dakota.

Steam Heat

Electric Light

Rates from \$1.00 to \$1.50 per day.

Free 'Bus to and from trains.....

Elliott Hotel.

Broadway and First Avenue.

P. ELLIOTT, Proprietor.

Fargo, - N. D.

⊗ **FOR FINE FOOT-WEAR** ⊗
TRY THE
ST. LOUIS SHOE STORE
AND
Up to Date Shoe Repairing
G. P. MOE,
⊗ **WITH THE ST. LOUIS SHOE STORE.** ⊗

..CHINA HALL TEA STORE..

Tea, Coffee, Spices, Extracts,
Baking Powder, Chinese and
Japanese Goods, etc. We can
give you better value for your
money than any other house in
the northwest. Why? We
make this line a specialty and
sell for CASH. Write for prices.

Arthur G. Lewis.**The M. C. LILLEY & CO.**

COLUMBUS, OHIO.

MAKERS OF

North Dakota Agricultural
College Cadet Uniforms.

OXFORD GOWNS
and CAPS
MILITARY
EQUIPMENTS
BANNERS
FLAGS, ETC.

M. A. Hagen, Jeweler.



Call and Inspect My Stock.
608 Front Street.

The First National Bank

Of Fargo, North Dakota.

Capital Paid in, \$150,000.00.

Surplus, \$100,000 00.

G. Q. Erskine, Pres. S. S. Lyon, C'h'r.

C. E. Judd...

Photographer.

First Class Rates.

Special Rates to Students of
Agricultural College

J. F. RICE,

(Undertaker and Embalmer.)

Pictures and Frames

710 Front St , Fargo, N D.

**FOUT & PORTERFIELD,
DRUGGISTS.**

FARGO, N. D.

Sole proprietors and manufacturers of

LANGDON'S SPAVIN REMEDY.

A cure for Incipient exostoses such as Spavin, Ringbone, Splint, Sidebone, and enlargement of the Synovial Bursæ, such as Bog Spavin, Thorough-pin, Puffs on Ankle, etc.

A. J. SCHIRRMANN

WATCHES,
SILVERWARE,

CLOCKS & JEWELRY.

Fine Watchmaking and
Engraving a Specialty.

PRICES TO SUIT THE TIMES

110 BROADWAY.

FARGO, - N. DAK.

The "Boston"

Clothing House.

Reliable
Outfitters

For

Men and
Boys

62 Broadway, FARGO N. D

S. J. HILL,
DENTIST,
 de Lendrecie Block,
 FARGO, NORTH DAKOTA.

DR. J. H. RINDLAUB,
 ...**SPECIALIST.**
 EYE, EAR, NOSE AND THROAT
 Suite 9, deLendrecie Block, FARGO, N. D

Teeth Extracted Without Pain Crown and Bridge Work a Specialty

DR. J. E. FRENETTE,
 ... **DENTIST** ...

619 Front St., FARGO, N. D.

Dr. E. M. Durrew
 deLendrecie Building,
 FARGO.

Office Hours: 3 to 6 p. m.

ADAMS BROS.,
 Wholesale and Retail Dealers in
Hardware, : Stoves : and : Paint.
 Builders' Hardware a Specialty.
 67 Broadway. Fargo, N. D.

ALEX STERN & CO.

FOR

CLOTHING,

HATS, GAPS,

Furnishing :: Goods,

NECKWEAR, ETC.

CALL ON US

ALEX STERN & CO.

J. I. Case Threshing Machine Co's

Separators and Engines

Are constructed on Scientific principles. They do the work required of them right, because they are built right.

SEND FOR ILLUSTRATED CATALOGUE.

J. I. Case Threshing Machine Co.,

FARGO BRANCH.

S. B. CLARY, GEN. AGENT.