

The Weekly Spectrum.

C. E. Minard.

VOL. XI. NUMBER 2.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, OCTOBER 8, 1907.

PRICE 5 CENTS

President Roosevelt

He Expresses Himself Strongly in Favor of the Work of the Agricultural College.

He Would Have the Government ment Come to the Aid of the States.

He expresses himself strongly in favor of the work of the Agricultural College. He would even have the government come to the aid of the states. The following is an extract from the president's address:

"The effort must be to make farm life not only remunerative but attractive, so that the best young men and girls will feel inclined to stay on the farm and not to go to the city. Nothing is more important to this country than the perpetuation of our system of medium-sized farms worked by their owners. We do not want to see our farmers sink to the condition of the peasants of the old world, nor do we want to see their places taken by wealthy men owning enormous estates which they work purely by tenants and hired servants.

"At present the ordinary farmer holds his own in the land as against any possible representatives of the landlord class of farmers, that is, of the men who would own vast estates—because the ordinary farmer unites his capital, his labor, and his brains with the making of a permanent family home, and thus can afford to hold his land at a value at which it cannot be held by the capitalist, who would have to run it by leasing of by cultivating it at arm's length with hired labor. In other words, the typical American farmer of today gets his remuneration in part in the shape of an independent home for his family, and this gives him an advantage over an absentee landlord. Now, from the standpoint of the nation as a whole it is pre-eminently desirable to keep as one of our chief American types the farmer, the farm home maker, of the medium-sized farm. This type of farm home is one of our strongest political and social bulwarks. Such a farm worked by the owner has proved by experience the best place in which to breed vigorous leaders alike for country and city. It is a matter of prime economic and civic importance to encourage this type of home owning farmer.

Therefore, we should strive in every way to aid in the education of the farmer for the farm, and with this end in view; and so vitally important is this that, in my opinion, the federal government should co-operate with the state governments to secure the needed change and improvement in our schools. It is significant that both from Minnesota and Georgia there have come proposals in this direction in the appearance of bills introduced into the national congress. The congressional land grant act of 1862

accomplished much in establishing the agricultural colleges in the several states, and therefore in preparing to turn the system of educational training for the young into channels at once broader and more practicable—and what I am saying about agricultural training really applies to all industrial training. But the colleges can not reach the masses, and it is essential that the masses should be reached. Such agricultural high schools as those in Minnesota and Nebraska for farm boys and girls, such technical high schools as are to be found, for instance, in both St. Louis and Washington, have by their success shown that it is entirely feasible to carry in practical fashion the fundamentals of industrial training into the realms of our secondary schools. At present there is a gap between our primary schools in country and city and the industrial collegiate courses, which must be closed, and if necessary the nation must help the state to close it. TOO OFTEN OUR PRESENT SCHOOLS TEND TO PUT ALTOGETHER TOO GREAT A PREMIUM UPON MERE LITERARY EDUCATION, AND THEREFORE TO TRAIN AWAY FROM THE FARM AND THE SHOP. WE SHOULD REVERSE THIS PROCESS. Specific training of a practical kind should be given to the boys and girls who, when men and women, are to make up the backbone of this nation by working in agriculture, in the mechanical industries, in arts and trades; in short, who to do the duty that should always come first with all of us, the duty of home making and home keeping. Too narrow a literary education is, for most men and women, not a real education at all; for a real education should fit people primarily for the industrial and home making employments in which they must employ the bulk of their activities.

Creamery Remodeled

The Farm Husbandry students will be glad to learn that during the past week the creamery building has been shingled and a new hard wood floor laid. The engine was overhauled during the early part of the season. The building will be put in very good shape to serve the purpose for which it was intended until a good dairy building is provided by the state.

PRIZES OFFERED

The Boosters Make an Offer That Deserves Consideration.

For the best football song or college yell handed in within the next few days, the Booster Club offers the following prizes:

First Prize—Two full-season football tickets.

Second Prize—One season ticket.

Third Prize—One season ticket.

Songs and yells must be written plainly in ink and on only one side of the paper. All entries to be handed in at The Spectrum office not later than Oct. 11.

RAH! RAH! PHARMACY

Pill Mixers Aspire to Gridiron Honors—Games Wanted.

Have you noticed the husky lot of pill mixers gliding gracefully around the front campus these warm evenings? The Pharmacy men decided that there were not enough big games on the official schedule, and they are proceeding to mix "dope" to remedy that defect. With Carmen as captain; Baernstein as manager, and Dr. Holley for coach, there certainly ought to be something doing pretty soon. Here is a chance for the Engineers to even up that old baseball score of last spring.

WILL HOLD BIG SHOW

The Northwestern Live Stock Association to Give Exhibition at South St. Paul.

An event of interest to the readers of this paper will take place in November at South St. Paul, Minn. This is the Northwestern Live Stock Show given by the Northwestern Live Stock Association. It will be held much on the same lines as the great International show with the exception that in this case the territory from which animals may be shown is limited to certain states and sections of states. The fact that it is more local than the show at Chicago should cause much more interest to be taken in it by those interested in live stock in our state. The up-building of our local market at South St. Paul is of great importance to our stock men and all who make a business of live stock.

This event should be of special importance to those interested in the welfare of the Agricultural College as the institution is to be represented by fine exhibits of stock and, recalling the winnings of the steer, "Bob," at the International and the showing of the College's whole exhibit there, we should look for great things at South St. Paul.

Prof. W. B. Richards was honored last spring by being picked for judge of the Clydesdales at Chicago this fall, and he has again been recognized as an authority in his line by being appointed to the Advisory Board of the Northwestern Live Stock Association.

We quote Prof. Richards about the Northwestern show as follows:

"This is the first show of this character to be held at South St. Paul, but it is the aim of the association to continue to hold an annual show. The purpose of these shows is to aid in building up South St. Paul as a market for live stock from the farms of the northwest. The great International Live Stock Exposition that is being held annually at Chicago, has been a great factor in building up a market at the Union Stock Stock Yards at Chicago. Those interested in the association hope that the shows to be held at South

St. Paul will accomplish like results for the market at that point.

"Exhibits at the show will be confined to northwestern territory including northern Wisconsin, Minnesota, South Dakota, Montana and North Dakota.

"Our Agricultural College was very strongly urged to make an exhibit at this initial show for the purpose of helping to give it a start. These shows have found that the agricultural college exhibits, made up exclusively of animals that are high types of market grades and classes, have been great factors in the success of the show. They have been found to be object lessons for the farmers, and ranchmen who exhibit, as well as to those who attend as spectators.

"It is readily seen, if these shows will help build up a good market at South St. Paul, why our College should aid them in every way possible: A good market at this point will mean much to the farmers of this state. A large portion of the stock raised within the state is at present being shipped to Chicago necessitating additional freight charges, while if a better market is established at South St. Paul, and the farmers are brought to the appreciation of this fact freight charges would be saved to them."

The Spectrum to Occupy New Quarters.

By the end of the week The Spectrum will be firmly established in its new quarters in the old mechanical building. Prof. Keene has kindly vacated his office in the southwest corner of the ground floor, and until the new Engineering building is completed, will make his office in his laboratory upstairs, in order that The Spectrum may have a sanatorium.

The new home of the College weekly will be fitted up with desk, table, chairs and all other fixtures appropriate to the office of a metropolitan sheet. Arrangements will be made for a weekly meeting of the staff and it is hoped that some of the complexities now arising from our present homeless condition may be materially simplified, and the news-gathering processes systematized to a point of greater efficiency.

If you have a dollar for a year's subscription come and see us. If you haven't come and see us anyway.

One on the Dog

During the past week Mr. Nichols has been examining samples of sausage and hamburger steaks. It is said that in a number of cases chemical preservatives have been discovered; if so, the parties concerned will be prosecuted, as such cases will be referred to the attorney general for consideration.

INJUNCTION

Millers of the State File One Against Prof. Ladd.

The Millers' Association of the state has filed a temporary injunction to prevent Prof. Ladd from publishing bulletins concerning their products until after Oct. 29. When the injunction is returned the millers will probably fight a test case to test the validity of the law. The complaint states that the contents of Prof. Ladd's bulletin is injurious to the plaintiff's trade. It would seem that the millers had something to conceal.

Experimental Drainage

The class in Civil Engineering field work, under the supervision of Prof. Slocum, is surveying the lines and setting the grade stakes for a system of underground drains, which will drain about half the field immediately west of Frances Hall.

The system consists of a six-inch main running east and west and a series of laterals which are laid in gangs and intersect the main at right angles. The laterals in the first gang are thirty feet apart, and those in the last gang sixty feet apart. By this arrangement a record can be kept of the comparative results for land drained by laterals laid anywhere from thirty to sixty feet apart.

Fraud

In the drug department Prof. Brown is examining cocaine preparation sold for catarrh cures and a large number of headache tablets purported to contain acetanilate. Some of the manufacturers are very ingenious in their endeavors to elude the pure food men and deceive the innocent consumer. They state on the label that the powder or tablets contain no morphine or other harmful narcotics, but neglect to state the presence of the poisonous acetanilate, thus practicing a clear fraud.

Convocation Exercises Oct. 7

After the scripture reading we were favored by a selection from the quartet composed of Prof. McArdle, Mr. Nichols, Mr. Babcock, Dr. Putnam. Mr. Leavitt, state secretary of the Y. M. C. A., was introduced as the speaker of the morning. He said: "We are living in a great, practical age; an age of action, but we are going forward to an age of greater action. The college is the place of development and the Y. M. C. A. stands for fuller development of the mind, body and spirit."

After Mr. Leavitt's talk we were favored by a trombone-cornet duet by Mr. Mainwaring and Dr. Putnam.

Professors Bolley and Bell returned early last week from Devils Lake with forty ducks in their bag, and their friends have been living high ever since. The professors will tell you something about duck hunting if you go around.

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To Whom It May Concern:

It is with pleasure that I state that not only did Aaker's Business College, Fargo, place me in a good position as soon as I completed my short-hand course last spring; but since I've been offered probably a half dozen positions through the school. This shows that the A. B. C. has the confidence of business men, and it is able to do well for its students.

Respectfully,

M. N. LARSON,
Fargo, N. D., Oct. 10, 1905.



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All students interested in athletics should see Mr. Haskins about membership in the Athletic Association.

Debate and Oratory.

Some little interest has already been manifested in regard to debate and oratory. We should have some good inter-collegiate debates this year. We have seen considerable material among the various organizations in years past, and there is ability enough in our institution for good debate teams. It is time for those who are interested in debate and oratory to be getting into line and making a good beginning.

Last year an unsuccessful attempt was made at inter-collegiate debate. The cause of the failure was obvious to all. We were pitted against a team which had worked, and worked hard. Our opponents were well trained, and we were not. This year, with work and thorough training, a team can go out and win back the lost laurels.

In oratory we have been more successful. Those who have represented the institution in years past have not been afraid of work and, as a result, victory has often been the reward. And if success is to come to us this year in oratory, it is time that we begin to do a little thinking and start some preparations for the home oratorical.

The College and students are singularly fortunate in having among them a man who has had experience in oratory and debate. Mr. Arvold takes special interest in this kind of work, and will gladly give any assistance to anyone outside of the class-room work. Any man interested in debate or oratory should talk with Mr. Arvold at once. With the assistance of such a man and with the entire support of student body and all the Faculty, we prophesy the most successful year in these activities.

Musical

The Cadet Band has gained considerable reputation in the Northwest. The work of the past year, including the annual inspection last spring, has greatly increased the fame of the organization and attracted many students to the A. C. This year, at the present writing, the band numbers 28, while a year ago there were only 19 enrolled on this date. Many of the old boys are back, and many more will be in this week. The late threshing has detained many. There are already a number of new faces in the band, and the director expects several more within 10 days. There are now in the band a piccolo, oboe, 9 clarinets, 3 saxophones, 3 cornets, 3 horns, baritone, 3 trombones, snare and bass drums, cymbals and drum major. New members this year are Kulaas, baritone; Carman and Canton, trombones; Heath and Gullickson, clarinets, and Flath, snare drum. Some changes have been made in the instrumentation—Miller is playing bass drum and Holderman is shifted from E to B clarinet, Gussman from 3d cornet to B clarinet, Goodwin from clarinet to oboe. Lough is advanced from 2d cornet to 1st, being in the 3d 1st clarinet chair. Some other changes are due, and will be reported later. Some new instruments for the band have been purchased this fall—a new buffet, 18-key rosewood bassoon in fine case, another Holton horn and a duplex rosewood shell snare drum.

The band has been paid a high compliment by Holton & Co., band

instrument makers of Chicago. In their last edition of Harmony Hints, a journal devoted to band and orchestra news, the picture of last winter's band has been given a decidedly prominent place on the outside of the front cover. The half-tone cut shows up the band in fine shape. A cut and write-up of Dr. Putnam appears on an inside page. Dr. Putnam has received 500 copies of the magazine, which will be sent out all over the state. Students who desire to send copies to their friends may have such copies by applying to the Director. The prominent place and hearty commendation given the band in the magazine will no doubt attract many proficient young musicians to the College for their education.

The recent ruling of the Faculty changing the drill hour to 1:30 P. M. cut down the rehearsal period for the band to about 40 minutes, but the members themselves suggested a remedy and applied it. The band meets now at 1 o'clock on Monday, Wednesday and Friday, and gets an hour to an hour and a quarter for each rehearsal. The boys are determined to keep the band up to its standard and ciation.

Those fortunate enough to be in Chapel a week ago Monday morning were given a treat in a musical way. Prof. Knute Froysaa played two violin solos, accompanied by Mrs. E. H. Wright. He showed himself to be a master of his instrument, and delighted all who heard him. He was a pupil of Lange in the Conservatory of Music, Christiania, Norway, and is an artist of much merit. He has been engaged by the College to act as Instructor of Violin in the Department of Music, and will act as Concert Master for the string section of the orchestra. The orchestra will be enlarged by the addition of violins, cellos and bass in the string, and flute, oboe and bassoon in the wood wind section.

The band lost Sattre, the baritone player, recently. He has been with the band for three years, and while a good musician, was more than that—an all-round good fellow. But in his place comes another good man. Peter Kulaas comes to us for two years' post-graduate work in chemistry. He graduated last spring from Luther college. (Decorah, Ia.) and played baritone for four years in the celebrated student band of that College. Here's where their loss is our gain, and we welcome him.

Whom Shall We Debate?

Whom shall we debate this year? Shall we content ourselves with society and inter-society debates? Shall we do something that will reflect credit on our institution? Shall we not challenge Fargo College, University of South Dakota, University of North Dakota or even the University of Minnesota? We have material enough at hand to undertake any or all of the above with credit. There are live questions, almost without number, and if we work together we can present some creditable debates. If we cannot perform feats of strength on the athletic field or do extraordinary things in oratory, we can at least make a creditable showing in this line of College activity.

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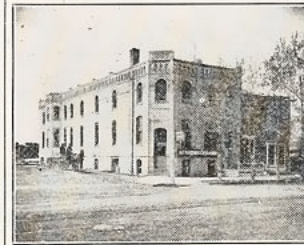
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Those who are not members of the Literary Societies or the Debate Club are always welcome as visitors, and if any desire to work in this line they will have ample opportunity.

And the credit of a good debate reflects upon ourselves as well as upon the institution. With the push and assistance of so able a man as Mr. Arvold, and strong work on the part of the individual, we can bring our institution to the head of the list in the Northwest in this line of work.

Swarthmore Endowment.

Miss Anna T. Jeanes died, leaving over \$1,000,000 worth of coal lands to Swarthmore College on the condition that that institution withdraw from all forms of inter-collegiate athletics. We don't think that this will give inter-collegiate athletics such a serious set-back, even if Swarthmore accepts, but it ought to produce an ideal young ladies' seminary out of that institution. Oh, fudge!

Roller Mill in Operation.

Mr. T. Sanderson, an expert miller, has been employed to carry on the contemplated milling tests. Samples of wheat are being obtained from the demonstration and sub-experiment farms, and the work is well under way.

Besides the milling, extensive chemical and baking tests are being carried out in the laboratories. Special attention will be paid to durum wheat and the effect of frost on the flour-producing qualities of samples gathered from various parts of the state for comparison.

Dr. H. P. Bassett, who will have charge of the above chemical work, will have assumed his duties by the first of this week.

Eng. Prof.—"Where is your theme?"

Miss L.—"I lost it."

Eng. Prof.—"Better put an add in The Spectrum."

A Practical Education.

By Prof. J. H. Shepperd

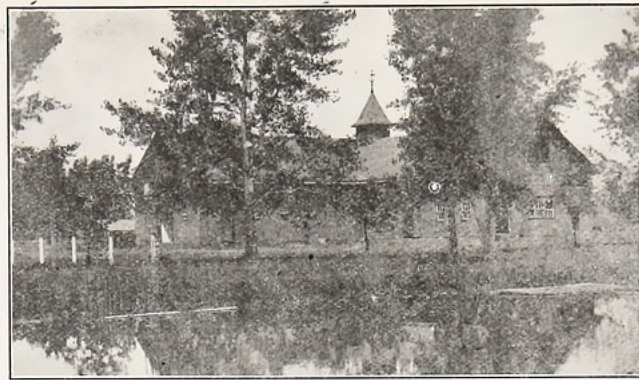
Where are you going to school this year? is a frequently asked question, the answer to which seals the fate of many a young man and young woman. That answer usually determines without his knowledge or consent whether he is to be a "counter jumper" or an owner of an independent business.

Do you know that the association which school life brings molds the future of a young person more than any other controllable thing in his life? Whether he will be a stenographer or a clerk in some unwholesome, dark, germ ridden room in a city or a worker in the wholesome sunshine of a well equipped and economically managed farm, beholden to no man and co-partners with the god of nature, is decided when he answers that question.

It may even mean the difference between wearing the bloom of health and that of the pale and sallow consumptive seeking the dry desert air in the hope of abiding a few months or at most

takes pains to learn whether the farm offered has been cropped reasonably in the past, whether it is clean or full of weeds, and what proportion of live stock to grain has been produced upon it. All of these features grow in importance as time passes and the young men who are now starting to school will live to see the value of land largely established upon the features which I have mentioned. The greatest disgrace stewart, old New England has is her list of abandoned farms. Quick to rectify mistakes she is now making a move to reclaim them. Neighboring farms are in most cases worth a large sum per acre, and differ only in the farm management which has depleted the productive power of the one and added to that of the other.

Many a young man is not situated so that he can spend four or six years in college, nor even a full nine months' term, which constitutes the average college course year. With this fact in mind the Agricultural College has institut-



The Cattle Barn

brought at the elevator. Graduates from the Farm Husbandry Course become leaders in their farming communities. Some of these boys trained in farm husbandry lack capital for starting in farming for themselves and find good places in farm managers and farm superintendents, farm machinery salesmen and experts.

These boys know how to organize and conduct a public meeting; they know how to get out plans and specifications for a public building; they can express themselves before an audience; some of them learn music and lead in that; and so one might go on enumerating the advantages which these three short years of training—that can be carried on in the winter season—will give to the young man who takes the course.

The student, in choosing the school to attend, can well be guided by two things. First, what success have students who have taken the course had in after life? Second, what is the standing of the men who constitute the teaching force in the institution? There is no such thing as special mathematical principles or peculiar rules of English for agricultural students any more than there is Methodist algebra or Baptist arithmetic—they all study the same books on those general subjects, but it is a well known fact that the ideals and capacities of the teachers they come in contact with influence the life of the students who sit in the classes.

It is no longer considered smart to speak of Shropshire pigs, or Clydesdale cows, or to otherwise give indications of gross ignorance of matters which pertain to the farming business and public school children are taught a large amount of elementary agriculture in order that they may not be ig-

seed bed is prepared in a particular way, what important water movement is taking place in your soil or plant; what element of plant food is being lost or saved by a certain operation; what insect and bacterial life is being increased or destroyed; the intricate life process with which the farmer comes in contact at every turn are interesting if understood and form a great source of enjoyment to the man who can see them and know that they are taking place.

Give the Farm Husbandry Course serious consideration before deciding where you will go to school.

New Books

- Books received in the College Library for the last week are:
- Meade—Protland Cement.
- McPherson & Henderson — An Elementary Study of Chemistry.
- Stillman—Engineering Chemistry.
- Streeter—The Fat of the Land.
- Hall—Three Acres and Liberty.
- Ramsey—Modern Chemistry.
- Bailey—Cyclopedia of American Agriculture, Vol. 2.
- Seidell—Solubilities of Organic and Inorganic Substances.
- Arrhenius—Theories of Chemistry.
- Armatage—A History of Chemistry.
- Four copies Standard Dictionary of the English Language.

For particulars about calling hours and a plan of the parlor at the Girls' Dormitory, apply to C. H. C.

"Beware of looking at sin, for at each look it is apt to become better looking." Does this explain the attractiveness of some of our students?



Judging Class Visiting Stock Farm

a few years to a blighted life—doomed by disease to spend his days among unfortunates, whom a bad choice of vocation or a diseased ancestry has doomed to suffer a similar fate. Like himself their only prospect is an open grave after a few months or years of struggling and suffering.

In this age of fierce competition every person should be trained for his work for the hiring—in fact all except the independent owner of a source of wealth—must soon learn that the moment another workman can excel himself in returning service, either in quality or price, he will be cast adrift in the heartless way that strict business methods decree for those who buy service.

Land values are largely increasing everywhere. Did you ever ask why? The fact that land forms the safest investment of capital, that it does not lose its productive power, if well managed, that it supplies independent employment for the owner, and that no influence can force him out of his regular employment, are the chief features which have brought up the price of land.

Competition and modern discrimination make it necessary for the farm owner to manage his cropping system, his proportion and types of live stock; in a word his farm management must be such that the land will produce him a good income without deteriorating in value or in productive capacity. The time is at hand when a prospective purchaser

ed a Farm Husbandry Course which accommodates a boy with school privileges during the season when the ground is frozen and his time is worth little to him. The Farm Husbandry Course opens Oct. 14 and closes March 19, this year, thus giving the farm boy almost his full earning capacity besides his schooling. This course covers all of the agricultural topics commonly taught in any institution. The amount of history, English, mathematics and the other general subjects are the same as is commonly given to persons desiring a general education. The graduate from the Farm Husbandry Course has about the education of the average school teacher. In addition to these subjects they are taught gardening, veterinary, stock judging, blacksmithing, carpentry, how to run a traction engine and many other things which every farmer needs to know. The young men who have completed the Farm Husbandry Course are proving capable managers of their own or their fathers' farms and are proving leaders in their communities. One of them asserts that he learned enough about horse judging to enable him to make enough more on his horse dealings during the first year to pay for the cost of his school attendance. Another graduate of this course sold several car loads of improved seed grain as the result of an idea suggested by his teacher—at an average of about twenty-five cents per bushel more than it would have



Veterinary Operating Table

norant, just as we all like to know a little of geography, history, etc., for the sake of education.

In the same way there is a satisfaction in understanding the reasons for your work. Why the

Reading Prof.—"Please read as if you were talking to the person next to you."

Miss E.—"Thou are a gobbler, art thou?"

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For a long time the walk from the Dormitory to the College has been regarded with disgust. No one would think of using this public walk if he could go around, over or under. And he was perfectly justified in avoiding it, as life is endangered there even at present. But now all is changed. The old structure is the most popular walk in Cass county. All the girls go to the Dormitory, and, of course, all the boys go, too.

Sister R. (watching football team)—"Why does Dobie keep on moving the teams farther and farther away from us while practicing?" Sister M.—"He is afraid we will steal his signals." Sister R.—"Oh, only his signals?"

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Levi M. Thomas.
Agnes Halland.
Kieth H. McGuinn.
E. W. Hall.
Nan Childs.
Peter Olson.

Our Aim

It is our aim and ambition to make this paper interesting, not only to the students alone, but also to others who take an interest in the work of their foremost state institution. It is our plan to publish each week one or more special articles of information upon some of the subjects with which we are dealing at the College, and we hope in this way to bring about, among the citizens of the state, a more thorough understanding of what we are doing and a broader sympathy for what we are trying to do. We are sorry to say that there are people in this state who do not know that the Agricultural College ever expects, and are thereby missing many things which would undoubtedly be helpful to them. Our ambition is to get these people acquainted with the College, both faculty and students, and to co-operate with us in the solving of some of the technical and economic questions affecting our state.

Why Not?

We are all proud of the beautiful little fountain which occupies such an appropriate place among the flower beds in front of the library, and none of us would produce the hammer to "knock" any of the campus decorations which have taken so much time and labor to perfect, but might there not be some little question in regard to the source of the rocks so picturesquely heaped in the center of the basin? Base rumor has even gone so far as to assert unblushingly that those same rocks are merely fragments broken from the building stone used in the construction of the Cass county court house, and that they have no historical or descriptive value, whatever. Would it not, we ask, be a trifle more artistic, without detracting in any way from the beauty of the structure, if those rocks were representative specimens gathered from different parts of our own state? Surely we need not be embarrassed for lack of variety, for we have within the confines of our state some of the most beautiful specimens of quartz, gypsum, feldspar, agate, and petrified wood, to be found anywhere in the whole world. These could be obtained in quantity at a trifling cost to the College, and would add immensely to the aesthetic value of the little

monument. Why, then, can we not have such a collection instead of the east-off fragments of some Minnesota granite quarry? Why not?

The columns of The Weekly Spectrum are always open to anything of interest to the students as the chief way of expressing public opinion is through the press. It is up to the possessor of an idea to tell a reporter or write it up and hand it in himself. All articles to be published must be accredited to the writer, and should be signed with his full name. No anonymous matter will be accepted.

Representative Government

The subject of Senator LaFollette's address.

It is not often that the citizens of Fargo and the students of the colleges are favored with so sound an address as was presented by the Wisconsin senator on Oct. 5. The address was appreciated by a large audience.

After a brief complimentary introduction by Judge Spalding, Mr. LaFollette began his address and held his hearers spell-bound for more than three hours, showing a brief history of our government and its relation to the growing power of the corporations. Our fore-fathers one hundred and thirty years ago, gave us laws not for any particular class, but for all the people. The government of the states and cities was founded on the same principles. After sixty years the eminent Frenchman, deToqueville, visited this country, and after studying the conditions, he said: "In the United States I never heard of a man spending his money to corrupt the government." Another witness was cited, who was a friend of democracy, James Bryce, the English statesman. He said, after studying carefully our conditions, at the last of the nineteenth century: "The great corporations are the bane of state politics." These had wealth enough to bribe part of the peoples' representatives and that was enough to paint all black. He said that congress was a body of paid lobbyists.

The speaker then showed the development of business parallel to the account of governmental conditions. There are four periods in the industrial world which divide themselves. First, the period when individuals and partnerships carried on the great industries, acting independently, and in competition with each other. This period covered about 100 years of our history. Then came a time when the various states enacted, one after another, the laws which permitted three or four men to combine forces in the same business, still to act in direct competition with other combinations of like nature. Under these conditions capitalization, prices, and profits were just and fair. Then came the period when all the private corporations in the same business combined, thus doing away with all competition. "The natural laws of business and commerce were eliminated. Substituted for this was the will of one or more men who set the prices to suit themselves." This marked the greatest change in our business life. The laws providing for the private corporation did not prohibit this vast combination,

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WRITE TO THE PRESIDENT FOR CIRCULARS AND CATALOGUE
FARM HUSBANDRY COURSE BEGINS OCTOBER 14

and the people were therefore brought "into industrial servitude." The Packers' Trust, controlled by six men, was cited as a striking illustration of this process of combination. Small independent companies were driven

312 Positions

In the best business offices in this state have gone to Dakota Business College graduates. This is the best evidence that the school gives good training in the business and shorthand line.

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SPORTING

Our athletic season opens as usual with the training of the football teams for the big games that are scheduled. This fall Fargo will have an opportunity of seeing the best sport in the line of football that has ever been offered here. With the promise of the return of last year's players, with the exception of three men, the management saw fit, after considering the victories won by the A. C. team over the fastest teams in their class, to take on heavier games and give Fargo and the students a rehearsal of some of the big games played farther east.

In order to make this season a success, the team will need the cooperation of every student in the institution as well as that of the Faculty and managing board. Things did not turn out as anticipated in regard to the team for this fall. Only three of last year's first team men returned. Haskins, Eakins and Nemzik. Jacobson's return at present is doubtful. Swenson, Oshwald and Birch graduated. Marks entered Dartmouth, Hallenborg is attending the University of Pennsylvania, South has business relations that will prevent his return. But with Golman, Hoviskland, Short, Lynch and Otto, of last year's second team line and first team subs, there is promising material. Richardson and Murphy of last year's experience are light but fast men. Oshwald and the Warner boys are showing up well. Then in addition to this material we are very lucky in having with us a number of new men that will greatly strengthen the team. Tierney, a Fargo boy who has spent three years at St. John's in the prep. department, has entered in the A. C. Freshman class. He is trying out at quarter and promises to make good. Muckelstone, another Fargo lad, with some football experience, is showing up well at right half. Canton, also a new man, formerly a student at Pillsbury Academy, whose people now reside in Dakota, is a very likely candidate for the team. Joe Cutting, who played a star game with Minnesota in 1905, has also added his name to the line up. Joe took a two years' course in pharmacy at the U. of Minn., and is now taking up the work in our pure food department. Smith, another new man, is showing good form.

With this material, in spite of the many difficulties which arise in football, Coach Dobie is working even harder than he did last year, to produce a team that will be popular, not only in North Dakota, but also in the middle west.

The first game will be played with Lawrence University on Oct. 21. The Lawrence team has been one of the strongest and most formidable team in the middle west for the past few years. Lawrence defeated all teams of Wisconsin except the U, by whom they were beaten by the small score of 5 points. This year indicates that Lawrence will have the best team in its history. It is reported that all the old players, with one exception, will be back in school. In addition to this all the best athletes in the state High School have entered Lawrence U. This is ac-

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out of the business, the Tacoma Packing establishment being cited as an example. At this point began to appear the rebate system on the part of the railroads. The grain combination was cited as another example of monopoly. Then followed the fourth period when the various trusts in each line of business combined "making an organization that could resist all the power of all the people of this country, knitting together all the corporations and controlling all the business." "There are seventy-six men who

hold 1,600 directorships of the boards of institutions of this country." The greatest power is the railroad, the second is Standard Oil. Gould holds fifty-one directorships; Depew seventy-four; Harriman forty-eight; Stillman fifty-five, and so on. All these organizations knew that they were morally wrong, being vastly over capitalized. "The corporations pay lobbyists to prevent enactment of statutes hostile to the 'interests.'"

This proves that "the decline of official integrity came with the corporations."

Railroad rate legislation was discussed, showing that the people were entitled to "adequate, impartial services at reasonable rates." Supreme court decisions sustained these statutes but in 1897 they were repealed "by the interests." The fight in congress since has been to get such statutes on the records. Thus the Hepburn-Dolliver bill and others. The senate roll was called showing the vote of each member on various railroad legislation. And generally the North Dakota senators were on the wrong side of the ballot, together with many others controlled by the 'trusts.'

The remedy for the evils is government control. Constitutionally it is right and possible, but where are the legislators to make the statutes?

FOR THIS WEEK

Debate Club meeting, Frances Hall, Friday, Oct. 11, 8 p. m.

President Worst speaks at the Grand Sunday evening at 8 p. m.

Prof. Weeks speaks on "Public Opinion" at Convocation, Monday, Oct. 14.

There will be a joint meeting of the Y. W. and Y. M. C. A. Sunday at 3:30 p. m., at chapel.

Official Football Schedule Keep Your Eye On It

Oct. 21—Lawrence University of Appleton, Wis.

Nov. 2—University of South Dakota, Vermillion, S. D.

Nov. 9—Haskell Indian School, Lawrence, Kan.



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counted for in that the Freshmen in the University of Wisconsin, are prohibited from playing football because the stringent faculty control at the U has put a ban on athletics in general. Lawrence is determined to defeat the A. C. on Oct. 21, and set about to accomplish this end by starting preliminary practice on Sept. 1, two weeks before our school opened. By defeating the A. C., they intend to carry away the championship of the Dakotas.

The second game will be with the University of South Dakota, Nov. 2. The U. of S. D. has gained a wide reputation through its football team. For the past few years they have easily defeated all neighboring teams in the state. Last year they succeeded in holding Nebraska to a score of 4 to 0. All the members of the old team are back again, and in addition a large number of Freshmen, who will strengthen the team at several points. This promises to be a particularly interesting game, for it will decide the championship of the two Dakotas. This is the first time in years that such an issue has been at stake.

The Haskell Indian game will be played Nov. 9. This, no doubt, will be the fastest team that ever played football in the Dakotas. Great interest will be taken throughout the state in this game. It will be by far the hardest game our boys will be up against. The Haskell team compares very favorably with teams in the big nine. Their defeat of such teams as Nebraska is, of course, more often the rule than the exception. The Indians have a world of speed and are no doubt a very hard team to beat. Pierce, the famous Carlisle coach, who gave Carlisle such a splendid team last year, will coach Haskell this year. Pierce is one of the cleverest coaches in the country, and his presence is sufficient to assure everyone that Haskell will have one of the best teams it has ever had.

The A. C. team will have one game to play away from home.

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SOCIETY

Debating Club Program.

The A. C. Debating Club will hold its first meeting Friday evening, Oct. 11, at 8 o'clock, at Francis Hall. The following program will be rendered:

Roll Call—Answered by a story.

"Campus Observations"—O. W. Dynes.

Debate—Resolved, That woman's suffrage should be adopted in the United States.

Affirmative.

Rex E. Willard.
Howard Darling.
Ray Babcock.

Negative.

W. R. Lauxon.
Evan Hall.
Albert Thomas.

"Past, Present and Future"—C. I. Guifness.

Business meeting.

Among the old students who have returned to resume their work at the A. C. are Cecelia Eyolfson, Mary Thompson, Chas. Ruzika and Normah Powell, members of the class of 1910.

New Secretary for Y. W. C. A.

Miss Lucy Helen Piersons has been appointed as the Y. W. C. A. State Secretary for North Dakota. She fills the vacancy caused by the resignation of Miss Myra B. Fishback, who has had charge of the work for the past two years.

Miss Piersons will also have charge of the work in Montana and South Dakota. Consequently, it will be impossible for her to make her fall visit here.

It is rumored that the Alpha Mu Fraternity will open the new Armory by giving a dance some time in the near future. This building is now very near completion, and will furnish an excellent place for social events of this nature.

The many friends and acquaintances of Mrs. Bell will be very glad to hear of her return to Fargo Thursday evening. Mrs. Bell has spent the summer at the home of her parents in Iowa.

Devotional Meeting.

On Wednesday evening at 7:30, the Y. W. C. A. held its first regular devotional meeting of the year. The meeting was held in the parlor of the Ladies' Dormitory, and was led by Matilda Thompson, the subject being, "The Importance of the Association in Student Life." About 25 girls were present, which is an encouraging attendance for the first meeting. The next regular meeting will be held Oct. 16. Next Wednesday evening, Miss Childs will reorganize her Mission-Study Class. All meetings will be held at the Dormitory, instead of in the Chapel,

which was used last year, and all College girls are given a cordial invitation to attend.

Dramatic Club.

A meeting of the Dramatic Club was held last Wednesday. Prof. Arvold was elected director. At the request of the Club, he gave a talk and recited a few selections. With this master of elocution at its head, the Club ought to win glory and bouquets galore before the year is over. The following officers were elected: President, W. P. Heath; Vice President, Warden Wheeler; Secretary and Treasurer, Grace Lofthouse; Business Manager, Lynn Miller.

Freshman Class.

The present Freshman class has lost none of its vigor or enthusiasm during the summer. Of all the classes at College, it was the first to have a class meeting and elect officers. The following were the officers elected: President, Max Harrington; Vice President, John White; Secretary, Agnes Halland; Treasurer, Leslie Wheeler; Sergeant-at-Arms, Ed. Moore. With the exception of the President, the officers average two yards apiece in height, and the President towers head and shoulders above them all, when he is standing and they are seated.

Philomathians

The Philomathians also had their regular program Friday evening. The different numbers were well given and the musical numbers especially enjoyed. The talk given by Prof. Arvold was greatly

appreciated by all. He began by emphasizing the value of the literary society along lines of oratory, and concluded by giving two selections, "A Fourth of July Oration," and "The Ballad of the Oysterman." Prof. Minard acted as critic. The program was as follows:

Piano Solo.....Percy Goodwin
My Summer Trip...Robert Dolve
Declamation...Clarence Waldron
Talk.....Prof. Arvold
Vocal Solo.....Chas. Clark
Critic.....Prof. Minard

Dramatic Club

The president of the club appointed the following committees subject to the approval of the respective chairmen:

Cast Committee—Miss J. Thompson, chairman; Mr. Lynn Miller, Mr. R. Goodwin.

Name and Emblem Committee—Miss Childs, chairman; Agnes Halland, Mr. Nemzek.

Committee on Music and Dramatic Recital—Chas. Clark, chairman; Mr. P. R. Goodwin, Miss Pier.

Play Committee—Robt. Dolve, chairman; Miss G. Lofthouse, Miss E. May.

The following will serve upon the executive board for the collegiate year 1907-8: Wilfrid P. Heath, chairman; Miss G. Conger, Mr. Lynn Miller, Miss K. Hathaway; Mr. J. W. Wheeler.

Athenian Program

The Athenian Literary Society met Friday evening, Oct. 4. There was a very good attendance about sixty students being present and a

number of faculty visitors. About ten students were voted in as members of the society. The following program was rendered in a creditable manner:

Cornet Solo.....Ed. Horner
Current Events...Howard Darling
A Vacation Experience.....
.....Ray Babcock
Violin Solo.....Mr. Hendrickson
Original Story...William Mercer
Locals.....W. O. Whitcomb
Critic.....Ruby Hicks
Vocal Solo.....Esther Evans

After a short intermission, the society was most pleasantly surprised and favored by a talk on Oratory by Prof. Arvold, professor of Oratory. He gave two very fine selections and kept his audience in convulsions of laughter. The Athenians feel very grateful to Mr. Arvold for his helpful remarks, and hope he will visit them often.

Notice

All material for publication in The Weekly Spectrum must be handed to the editor not later than Thursday.

Mr. Horner has just discovered that he never saw amoeba in the dark.

Prof. W.—"What should you notice when a person gives an oral report?" Student—"Spelling."

The Freshman Class in German knows all about the hawk, the hen and the chick. The chick got the worst of it. The Freshmen can sympathize. They do likewise.

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Testing Cement.
 The Engineering Department is making some cement tests to secure data for the use of City Engineer Crabbe. The results will no doubt be made public later on.

The Shorthand Class commenced work last week, with Miss Lucy M. Glasier as instructor.

BLACK PETE

The Autobiography of a Fighting Bass

By Agnes Halland, '10

"Crawled out of my little sack this morning; just couldn't help it. The sun was so warm and bright and the place was getting too tight. Everything is horrid that I've seen except the sun. I like it the best of all the monsters. It only played one trick on me. When I went to make an observation of what was above the water it blinded me so I couldn't see up there. Oh, yes, I forgot, there is one more I like down here; that is a big bass. I followed him and found a good place to hide, so that I could get away from those monstrous suckers that are always chasing me. This big bass didn't laugh, either, when an omnivorous pickerel bit off the end of my tail. He told me some day I would be big enough to fight that pickerel. So tonight, when I go to bed, I am going to pray inwardly and outwardly, with all my scales and fins that I may hurry up and grow big.

Spring has come now, and the ice has broken up. We have been under it all winter, and what a time we've had to get fresh air. My, but it's fun to swim over the nice sand and hunt for dinner.

"Today I went up by the docks to hunt for crabs." While I was hunting I saw three big creatures, the biggest I've seen except that pickerel that bit off my tail. I think he was almost as large. These giant fish swam with their two big fins only and not with a tail as we do. They kept their heads sticking above the water most of the time. All their noises and big splashes just made me shiver at first. The ends of their fins were divided into five parts. The more I looked at these things the more I wanted to eat them. Finally I did go up and take a nibble but the creature let out such a bellow and kicked the water so that I shall never try it again.

"Next I saw a real nice fat crab that looked good to me. Started after him but the crab backed up by the shore and held up his front legs like a pair of scissors. Tried several times to make my mouth large enough to swallow him, but each time he worked his big scissors. Finally I took a flying start and rushed at him; got him in my mouth and crushed him. I can feel the nice taste yet, and the splendid feeling when he slipped down my throat. Nothing makes a fellow like fighting as well as a good dinner.

"Also saw a bullhead who couldn't swim worth an angle worm. Thought I'd bite him to make him navigate a little faster, but just then I saw a fat frog sitting as if he was waiting for me to swallow him. I obliged the fellow by doing so. But, oh, fish-hooks; when I was swallowing him I caught something and was pulled up and up and up. I shook my head and tried to let go the pesky frog, but no use. I was pulled into the air where I went through all sorts of mid-air performances. I was swung back and forth; twice I hit against something that felt like a lot of soft thin weeds, but there was a roar in the midst of them. I almost broke my backbone trying to

get off that hook, but I got off all right and made a high dive into the bottom of the lake. The hook in my mouth gave as much pain as if a bullhead had stuck me with his horns, but just the same I couldn't help laughing at the way those men in the boat acted when I got off the line. One said: "Why didn't you get him in the net?" Another said: "You gave him too slack a line." One man got so excited he fell in the lake backward, but they floundered him into the boat again. Yes, yes, they were a nice lot. When they quieted down they passed a big bottle around with some yellowish stuff in it. Everyone put the bottle up to his face and tried to look through it.

"Then they hung out a whole lot more frogs, but I could see strings on every one of them, so I didn't bite. I don't like frogs that have strings on them.

"My mouth feels better now, and tomorrow I am going to the bass weeds to hunt young shiners and perch that I saw feeding on flies. I'm not sure, but sometimes it seems to me as if things were going round in a circle. The shiners eat flies, I eat shiners, man eats me, and the flies eat man. I shall try to keep the circle from becoming complete as long as I can."

The rest of the manuscript is in a different hand, and was written apparently by Black Pete's comrade.

"Went with Black Pete to bass rushes today. We had lots of fun catching shiners. All at once we saw a beautiful crawfish and we both made a lunge at it. I was so full of shiners I couldn't swim as fast as Black Pete, who is a regular tiger anyway. He got the crawfish, but just as he swallowed it he took a start upward. It seemed like he was pulled up into the air where the birds fly. There were several men in the boat and after Pete disappeared they did a lot of talking. Guess they invited him to dinner."

The Grand

Messrs. Fowler & Smith have a bill for next week that will draw the crowds to that popular playhouse. The bill comprises a list of the best performers known to the vaudeville stage.


Brothers De Van head the bill, in hair-raising vaudeville stunts. Tom and Edith Elmond, the imitable English team, introduce dancing on roller skates, long shoes, etc., the only act of its kind. Edith performs on several strange instruments with great skill. "Chesty" Cox, with the Calumet team, pennant winners in the Northern League for 1906, is well known in Fargo, and should make a big hit. He introduces stories of the ball field and other novelties, new to the vaudeville stage.

Welch and Earl, known as the "two in white," make a big hit in their singing and dancing. Mr. Welch is the author of a number of popular songs, such as "In a Cottage by the Sea," etc. The Baker troupe of cyclists close the bill in the most spectacular novelty in vaudeville. They do trick riding that brings great applause. They are considered by the press as "Five of the most marvelous comedy cyclists on earth." Miss Momeroy is still popular, and will sing new illustrated songs.

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Prof. Tibert's son is in the pest house with smallpox. We are all worrying lest Mr. Tibert should get it, for we want the Engineering Department to be up with the rest in personal beauty.

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Mr. Sattre left last Thursday night for Washington, D. C., where he has been offered a position in the Bureau of Grain Standardization.

Miss Ruby Hicks spent Sunday at her home in Hickson.

It is reported that Harry Slingsby, class of '07, has discovered a means of preventing pigment from settling and hardening in mixed paint. Nothing definite is known of this discovery as yet.

Prof. H. L. Bolley and family spent a pleasant Sunday at their summer cottage at Lake Cormorant.

Miss Grace Lofthouse went to Hillsboro for a few days' visit.

Miss Emily May goes to the twin cities this evening.

Mr. Lynch, our genial U. S. Food and Drug Inspector for North Dakota and surrounding territory, has returned from a tour over the northern part of the state. He reported a pleasant but somewhat strenuous trip, and brought back an interesting collection of samples of prepared meats, whiskeys, drugs and other food products which will be tested for purity in the local laboratories.

Mrs. Bell returned last Thursday from her summer's visit with her parents in Iowa. She comes back saying that she prefers North Dakota climate to that of Iowa. We are glad to see her again about the campus.

The College had the honor of a visit from the Hon. W. M. Hayes, assistant secretary of agriculture, on Wednesday, Oct. 2. Mr. Hayes was at one time professor of agriculture at this institution and went from here to the Minnesota college. He made his reputation as a plant breeder while at that institution and was rewarded for his work in this line as well as other branches of agricultural science by his present high position.

Mr. Hayes is not on an official trip, but stopped off on his return

from southern California, where he has been spending his vacation since the last days of August. He combined a little business with pleasure by looking after some of the government's co-operation work with this experiment station.

Prof. H. L. Bolley has been honored with the Presidency of the Century Club, one of the foremost purely social organizations of the city.

Dr. Van Es' three classes in veterinary science are all a little larger this year than last. His students in the first year of the Farm Husbandry course are taking up the anatomy and physiology of the domestic animals. Those in the second year of the same course are taking up the more common diseases of farm animals, while the four-year students taking college work are studying general veterinary science. All classes are admitted to the weekly clinics and get much valuable instruction in treating farm animals for common diseases.

W. L. Stockham, B. S., of Drake University, is taking post-graduate work under Prof. Ladd in the Chemical Department. He was attracted to this institution by the pure food work done at the A. C.

PAT YOURSELF ON THE BACK

Assistant Secretary of Agriculture Hays Passes the Boquet to the Green and Yellow.

Fargo Forum: Prodigal in his praise of the members of the faculty of the North Dakota Agricultural College and Experiment Station, Assistant Secretary of Agriculture Willet M. Hays of Washington, discussed local conditions with a Forum representative last night:

Secretary Hays was a former professor at the local A. C. and later was at the Minnesota station. His work in this state and among the gophers attracted national attention, resulting in his selection for his present important position. Mr. Hays is greatly interested in the seed breeding being conducted at the station, as well as the special type of hogs being grown for this section of the country. The experiment work in other departments has also attracted his attention.

Among other things the secretary stated to The Forum:

"I am very much impressed by the development of the agricultural colleges I have visited in the northwestern states. Those of Oregon, Washington and North Dakota especially are growing rapidly into enterprises of great influence in their respective states. No agricultural college in the west is developing more rapidly than the North Dakota institution at Fargo. Every year President Worst, Dean Shepperd, Professors Ladd, Bolley, Richards and others of the teachers and experimenters, gain new power in their work, and with the farmers of the state. The state should be very proud of its agricultural college.

"The experiment station at Fargo and the branch stations are also growing into institutions of great usefulness to the state. I am

especially pleased with the progress in breeding wheat and other field crops since my time, in the early nineties. Professor Shepperd's statement today that the varieties sent up by the seedsmen are being crowded out of our variety tests by the newly originated varieties from our own breeding nurseries, tells a most important fact. These men are making from North Dakota varieties of wheat, new varieties, both by selection alone and by hybridizing followed by selection, which are adding to the yields of North Dakota crops. Farmers should secure from the experiment station the new varieties of wheat, oats, barley, flax, corn, etc. If these pure bred seeds produce 10 to 20 per cent more grain per acre than the kinds now in use, people will be enterprising in securing them, and the result will be to add to the income of the state tens of millions of dollars. Careful estimates show that the \$40,000 or \$50,000 spent in breeding wheat, flax, corn and other crops in the northwest is resulting in an increase of \$40,000,000 to \$50,000,000 in the crops of several states. It is a modest estimate to say that every dollar the federal and state governments expend in breeding plants and animals will produce a hundred. If this is so, the use of public money along these lines should be rapidly increased. I am interested in an experiment Professors Shepperd and Richards have outlined for co-operating with the farmers of the state in breeding Berkshire hogs, especially adapted to the climate, feeds and markets of the state. They expect to develop hogs bred to be peculiarly adapted to cheaply change North Dakota feeds into highclass bacon, and to be in demand as pure bred stock in surrounding states.

"Professor Ladd's work in pure food and Professor Bolley's investigations into plant disease continue to receive favorable notice throughout the country. I was much interested in President Worst's plans for placing agricultural high schools and branch experiment stations in places convenient for all farm boys and girls of the state—should the Davis bill be passed by congress.

"The spirit of the college to make the state a leader in country life education is certainly most commendable, because, as President Worst says: 'No other state is so distinctly agricultural.' The Davis bill would provide for four or five agricultural high schools, besides giving financial aid to all the city high schools, enabling them to establish or enlarge their

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Freshmen Elect Officers

At a recent meeting of the Freshman class the following officers were chosen for the ensuing year:

President—Max Harrington.

Vice President—John White.
Secretary—Agnes Halland.
Treasurer—Leslie Wheeler.

Sargeant-at-Arms — Edward Moore.

Spectrum representatives failed to secure data in respect to the amount of bonds furnished by the secretary and treasurer.

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