

The Weekly Spectrum.

VOL. XI. NUMBER 1.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, OCTOBER 1, 1907

PRICE 5 CENTS

L. E. MEMBERS RECEIVE SOME GOOD OFFERS

From One to Five Dollars Per Thousand Words for Technical Papers.

Offer Should Act as an Inducement Toward Better Work in the Society.

Prof. Rose, in a recent interview with a Spectrum representative, made the statement that some of the best technical papers read before the local Engineering society, would, hereafter, be received for publication and paid for at a fair price.

"It is this way," said the professor. "You see I am slightly connected with two or three different papers and magazines of a technical nature, and some of these papers are willing to pay a nominal price for good technical articles of general interest. They will pay all the way from one to five dollars a piece for well-written articles of one to two thousand words."

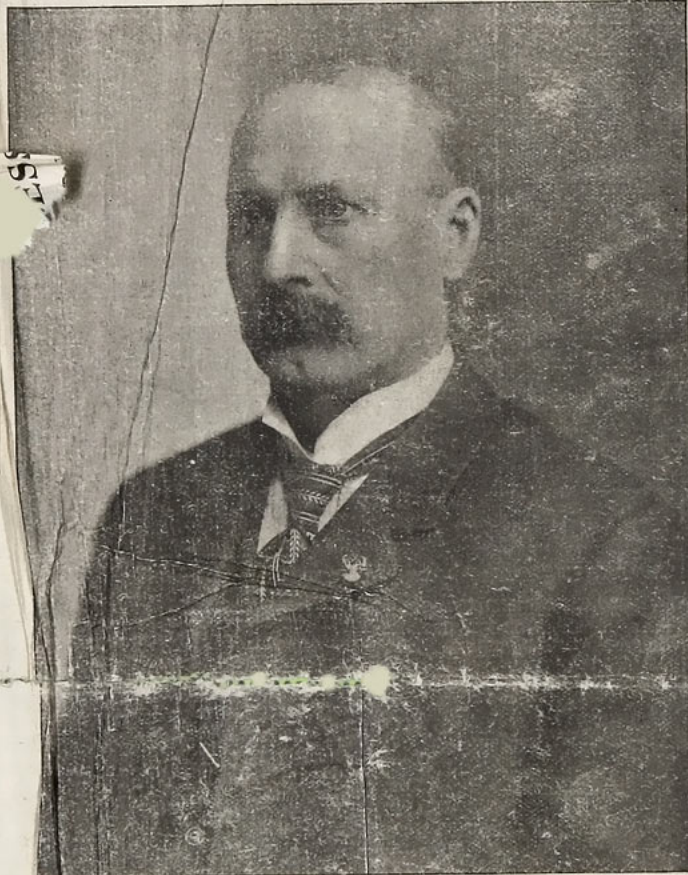
"I should suggest," continued the professor, "that the Lyceum of Engineers take up some work along gas engine lines, this winter as there appears to be a greater demand for literature on this subject than upon almost any other just at present. The society members should make free use of reference books and trade catalogues and in this manner get acquainted with the different types of engines and motors."

It being suggested that some of the society members might be densely ignorant concerning gas engine practice, the professor said: "Oh, that's all right. Let them begin on some articles and after some of the critical members of the society have picked them to pieces and put a few embarrassing questions to them, they will be surprised to find how much they have learned about those things. I once had a man tell me to begin writing about whatever I was most ignorant of, and I don't know but that there is sound logic in it, after all. You might try it anyway."

There is no doubt but that the bait thus held out to the engineers should prove a great encouragement in this work and should largely do away with the feeling that a paper was to be read to only a few of the fellows who knew almost as much about the subject as the writer himself.

We shall look to the L. E. for something sensational in the way of progressive work this year.

We are sorry to learn that Prof. Sudro, of the Department of Chemistry is confined to the hospital with a bad case of typhoid fever.



OUR ALMA MATER

Our Alma Mater true, fond praise to thee is due,
For boundless joy is thine to give thy children might,
Thy joy is e'er to crown that strength with truth and right,
Then joy be thine to hear us sing.

Chorus

Our dear A. C., thy name we sound,
With tribute free our hearts abound,
Our lofty blue shall ring, our prairies broad resound
Glad praise to thee, our dear A. C.

We bid adieu, we sigh, but hope and courage high
To win the narrow way where fame awaits the few;
Yet, named or nameless we, the fight shall be full true,
And add but glory to thy name.

Oh, shall we dwell on thee, and glad days spent care free,
Till to the winding Red, again we speed our way,
Then with proud love we'll view thy ever broadening sway
And faunt the Yellow and the Green.

—A. E. Minard

NEW TARGET RANGE

Co. B. and Cadets Join Forces

To be the best in the State

Without a doubt the new target range now being built at the College will eclipse any other single range in the state, both as to position and details. The new range is being built and will be used jointly by Co. B, N. D. N. G., and the N. D. A. C. Cadets; and will afford admirable convenience for rifle practice to both organizations. It will be situated at the southwestern corner of the Experiment Farm and will cross the slough at an angle to the northwest. The range is to have a back-stop of earth 100x20 feet, and, with the addition of a bomb-proof wall 100x10 feet by 5 feet thick, constructed of a plank shell filled with earth, which is contemplated in the near future, will have a maximum height of 30 feet. The pit will be of the accepted army pattern equipped with revolving targets, thus making unnecessary for the markers to expose themselves while marking scores.

The firing line will be laid off into 100 yards firing points with a maximum range of 1,200 yards. The completed range will cost about \$2,500, of which expense Co. B bears a portion. It is thought that this expense will be fully warranted by the increased efficiency of local target practice.

SENIORS TO HONOR "BALD-HEADED" ROW.

Dignified '08's to Serve as Models. Here after the grouping in chapel will consist of:

1. Seniors.
2. Juniors.
3. Sophs.
4. Freshies.
5. Others not labeled.

According to information given out by members of the Faculty last week, the seniors will hereafter occupy the front seats of the chapel at convocation, the juniors will be seated immediately behind them, and so on down to the greenest freshmen, behind whom the preplings will sit wherever they can find room. The idea is that the majestic Seniors will furnish a shining example to the long suffering under-classesmen and that said under-classesmen will therefore be inspired with a determination to go and do likewise. No place was assigned to the sub-preps., but it is understood that they will hereafter seat themselves on the stairs and softly close the door, so that their infantile chatter may not interrupt the calm composure of the conspicuous Seniors, and thus do away with all possibility of chronic sore neck among those intellectual giants.

If it is in a front seat it is a Senior.

NEW DEPARTMENT

Modern Languages to Be Made a Separate Department

The Department of Modern Languages, which was previously under the same head as English and Philosophy, has been made a distinct department with Mr. Batt at its head. At the present time the department covers only three years of German and two of French, but more attention will be paid to these languages than previously, and other languages will

be added to the course as the demand warrants.

Conductor of Farmers' Institutes

T. A. Hoverstad, who has acted as conductor of Farmers' institute programs in North Dakota, was recently elected superintendent and conductor and as such will have an office in Francis hall after Nov. 1. Mr. Hoverstad is not a stranger to the College or state, and is widely known throughout the northwest, as is shown by the fact of his having received offers of like positions from other states.

Going to Arizona

Mr. E. E. Kaufman, formerly head of the Dairy Department at this institution, and for several years proprietor of a large model dairy southwest of Fargo, is to sell his dairy and go to Arizona where he has been offered an excellent government position. Ill health is the immediate cause of this step on the part of Mr. Kaufman. Mr. Kaufman is well known among the agriculturalists of North Dakota, and all will wish him success in his new work.

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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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THE BOOSTER CLUB.

An organization that should mean much toward the success of the approaching football season, and, too, of all affairs in which the College is interested, is this movement started by the younger members of the Faculty. In seasons past, certain tasks that have arisen in connection with the season, have been allotted to different members of the Faculty, and in some cases have been taken up rather unwillingly.

To avoid some of these issues, Manager Parrott has interested as many of the younger members of the Faculty as care to associate themselves in the work and now has pledged to the success of athletics the energies and ideas of about twenty enthusiastic men. To arrange the necessary work, a Ways and Means Committee, of five has been provided. This committee includes Professors Holley, Beckwith, Churchill, Gunness, and with these to plan and cooperate with him, Manager Parrott looks forward with a good deal of hope to a successful season.

But the season cannot be a success without the active support of the student body, and the Faculty Boosters' Club would welcome a similar organization on the part of the students. It is only through the most complete cooperation between the athletic management and the students, that the season can be successful.

The schedule this year is a very expensive one and to a certain extent is more than a matter of college pride that it must be made successful. A deliberate effort has been made from the outside to kill the athletic ambitions of this school and as a result of this effort, the local management has been compelled to go outside of the state for suitable games. As a result, we shall have this season the best series of games that North Dakota has ever seen. There will be no repetition of the walk-aways of last season. Our opponents will all be experienced and heavy teams and they have the further advantage over us of nearly a month's training.

Let us all get together and make this the most successful, as it will be the most brilliant, season that the Old A. C. has ever seen.

To Install New Boiler.

With the erection of so many new buildings the capacity of the power plant has proved inadequate to meet the increased demand, and Chief Engineer Anderson is already installing a new Franklin 306 H. P. water tube boiler. This boiler alone will double the capacity of the plant, but plans are being laid for the erection of another of the same type whenever the need becomes apparent. The new boiler will be equipped with a 60 ft. steel stack, forced draft, and an automatic feed water regulator. Provision is also made for the attachment of a mechanical stoker at a later date.

Mercer: "Say, when does the band begin practicing again?"

Chief Mus. Horner: "I don't know. Why?"

Mercer: "Well, I've got an experiment to make and want to get through before the noise scares all the bacteria away."

Yes, girls, that eight feet of Freshman you see knocking about the campus, is named Moore. We'd hate to see the most!

Distinguished Visitors

During the second week in August the Experiment Station staff had the pleasure of entertaining for several days two Hindu gentlemen, Messrs. Sil and Dutt, who have been spending the past two years in America studying agriculture. They had just received the Master's degree from Cornell University and were visiting many of the prominent agricultural colleges and experiment stations of the country, investigating the methods of teaching and experimentation. For several years the government of India has been sending many of the most promising graduates of Calcutta University to this country for the purpose of securing a good knowledge and oratorical and scientific agriculture. The agricultural conditions of India are deplorable in many respects, and the government fully realizes the importance of infusing new ideas and new methods into the antique system of farming in vogue at the present time. It is felt that the inauguration of new methods can be accomplished more quickly by training men of native blood than by employing foreigners. In some instances fabulous salaries await these Hindu students on their return to their native land. The Experiment Station Record mentions an instance of a Hindu who had just taken out an advanced degree in agriculture at the Iowa State College and who was offered a position at district commissioner of agriculture at a salary of \$10,000 a year, with the option of retiring at the close of ten years on half pay. This is an extreme instance, of course, but it clearly shows that even in far-off India the authorities are becoming keenly alive to the importance of better farming which will lead to an increased productivity of the soil.

Drill Hour Changed

Owing directly to a request from the Secretary of War, and indirectly to considerable agitation among the students last spring, the drill hour has been changed from 3:30 p. m. to 1:30 p. m., necessarily changing the laboratory hours from 1:30 to 2:30 p. m. The subject was thoroughly discussed in a recent meeting of the faculty and it was decided by a vote of 17 to 6 to give the new system a thorough trial. Champions of the new order claim that this arrangement will do away with all excuses of unfinished work before drill and will also remove the necessity of students having no afternoon work remaining at the College until 3:30 for drill alone.

The Student

The student is an omnivorous biped, and is to be found all over the earth from pole to pole. The native habitat of the student is generally in the dense growth of boarding houses and dormitories immediately surrounding some of our large schools, but occasionally a few are to be seen in the class rooms and laboratories of the schools themselves. The student is of a gregarious nature, and has been noticed to feed and travel from place to place in large droves. The student is generally very shy and will leave his usual haunts and take to the woods on the slightest provocation. A few of these interesting animals have

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been captured of domesticated, however, with favorable results. Unlike other species, the student hunter during the summer months generally seeking a quiet spot in the country, and only comes for game when the footballs ripen in the fall.

In hunting and capturing wild students for exhibition and other purposes, the trap is usually in the form of a box of the species and baited with a box of fudge. The trap is set on smooth velvety lawn, by moonlight, or in a crowded ballroom, and left undisturbed for a few hours until the quarry becomes ensnared. It might be well to site here that there is not much use in hunting students after 4 a. m. In selecting a place to set the trap it is well to choose a locality as far removed from any books or papers as possible.

By following the few simple suggestions anyone can easily capture a student and study him at his leisure.

The Experimental Roller Mill.

The experimental mill for testing the milling properties of the different grades of wheat, including the Durum varieties, the erection of which was long delayed by the failure of the legislature to appropriate the necessary funds to provide a suitable building during the session of 1905, has at last been completed and already a few hundred pounds of first class flour have been turned out. The installation of the machinery began about June 10, and Millwright Parrison pushed the erection with all the speed allowable for efficient work so that by Aug. 15 the mill was ready for operation. Thanks are due to Miller Haison of the Fargo Mill for his most efficient aid in starting and getting the mill in good running

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"SNORKY"

order. Professor Ladd is now trying to secure the services of a competent miller to carry on the work. The front part of the mill is being fitted up with the necessary apparatus and when completed will furnish four commodious rooms for storage, recitation, and laboratory purposes.

Mr. Hot Air in Forge Shop.

A new thirty-horse power, three-phase, alternating current motor, has been installed to furnish power for the blower in the forge shop, and the blower itself has been removed to a position in the wash-room. During the summer the floor of the shop was entirely removed, and the air pipes all inspected and repaired. Mr. Chisholm doesn't have a "house cleaning" very often, but when he does it is a thorough one.

Two Points of View.

Coach (gazing at new Armory floor): "That will be a dandy floor for basketball if they don't wax it all up for a dance." Prof. Keene (gazing at same): "Fine floor for a dance, but those fellows will spoil it with their football shoes."

Wanted—One Rockefeller, two Carnegies and a half dozen Morgans. Apply to Wesley College, Grand Forks.

Prof. (sweetly): "Well, Mr. Baernstein, you certainly must know what 'T' is!"

Bud (beamingly): "Oh, yes! Sure. I know what pie is."

Prof.: "You people must learn to distinguish more carefully between words which have somewhat similar meanings. What is the difference between 'revolution' and 'rotation'?"

Bright Student: "Revolution is what they have in South America. Rotation is good running idea."



Our Agricultural Club.

By Geo. P. Grout

The North Dakota Agricultural College is justly proud of its literary societies because of their practical value in training their members. In them the sons and daughters of North Dakota have a better opportunity for developing their literary ability than in almost any other way.

North Dakota is primarily an agricultural state and it is therefore eminently fitting that among other literary societies a strong society in agricultural lines should be organized and permanently maintained. To this end the students of our college, interested in agricultural work, got together a few years ago, and organized what is now known as the Agricultural Club. From a very small beginning it has steadily grown until it has reached the 300 mark in enrollment. The above photograph shows some of the more active members.

This society is extremely popular because of the practical nature of the work done by the young men. It might justly be said that the training offered in the Agricultural Club is an education in itself. In this club many young men get the foundation training and material which will fit them for leading public meetings and working on the farmers' institute platforms throughout the state.

It has been the policy of this society to welcome the new students and to favor them in every way possible so that they lose no time in getting the most good out of their college life. To show to what an extent the idea of older students giving place to new ones is carried out, it might be mentioned that medals and silver cups are offered by the club each year to those among the younger students writing the best essay along purely agricultural lines and reading the same at one of our regular weekly meetings. In these contests only the younger students are allowed to compete as the Juniors and Seniors are debarred from entering the contest, but all classes take part in the regular meetings from week to week.

Besides these regular annual contests, extemporaneous debates are held and questions of vital importance are always discussed, questions, for instance, relating to the selection of seed grains and to the choice of the breeds of horses, cattle, sheep and swine best adapted to North Dakota conditions. Papers are prepared on the care and selection of stock, after the reading of which a general discussion follows much as in farmers' institutes. The general subjects in Agriculture, Horticulture, Animal Husbandry, and Dairying are

constantly up for discussion. The students become much more interested in the different topics by preparing for discussion, than they do when merely hearing them talked over, with the opportunity to voice their ideas. The question matter of what is the best agricultural literature is one of the subjects discussed. It is not uncommon to see samples of at least ten or twelve different agricultural papers handed out for examination after a discussion along newspaper lines.

On special occasions different members of the faculty are invited to give lectures at the club, and these talks are listened to very attentively. During the past winter, Prof. J. H. Shepperd, Dean of the Agricultural Department, favored us with an interesting talk on crop rotation, illustrating his plans on the blackboard. Prof. Richards' address was on the live stock question, while Mr. Tibert favored the boys with plans for building construction and the laying of durable cement floors.

As an evidence of growing popularity, the time of holding these meetings has been extended from the three months' winter term to cover the full time during which the Farm Husbandry students are in attendance at the College. The first meeting this fall will, therefore, be held about Oct. 15, and new students coming in are invited to meet with us from the first.

As a fitting climax, at the close of the year, before returning home, the Agricultural Club usually gives a banquet to its members. At the banquet last spring strong addresses were given by President Worst and members of the Faculty; witty toasts were given by student members of the club, and the music was furnished by the Agricultural Club Male Quartette. All left the meeting feeling that they had spent a very profitable year and that the farm was, after all, the place to make a happy home.

New State Secretary Appointed

The college branch of the Y. M. C. A. of North and South Dakota, has grown so large that Secretary Carriel, who has been secretary for the whole district, can no longer handle the work. Mr. Fayette Leavitt has been appointed secretary of this state, and Mr. Carriel will cover only the territory of South Dakota. Mr. Leavitt comes from Hamline University, where, during his school course, he was a prominent worker in the Y. M. C. A., and Browning Literary society, as well as an enthusiastic glee club singer. He also won considerable distinction as an

orator. In this capacity Mr. Leavitt represented his university at the interstate contest.

Mr. Leavitt will divide his time between Fargo and Grand Forks. He expects to be in Fargo about Oct. 6. With so able a man as Mr. Leavitt in the field all the time, the college branch of the Y. M. C. A. should flourish as never before.

PERSONAL

President Worst made a short trip to Wahpeton last Thursday to deliver a speech at the Richland County Fair.

Profs. Rose and Parrott were practicing some football tactics in the main hall the other morning. Are we to have a Faculty football as well as a baseball team?

Professor Burnett, who was registrar at the A. C. two years ago, is now at the head of the department of languages in Kansas City High School.

Miss Emily E. May, in continuance of her post graduate work of last year, will aid Professor Ladd in his private laboratory and assist in keeping the records.

Mr. R. Worth Lumry, formerly of the class of '09, stopped for a short visit on his way to Glendive, Mont., where he has a position in the Maintenance Department of the N. P. Railway.

Mr. P. J. Funderhide, whom many of the older students will remember, is now in charge of a topographic party of the United States Geological Survey, working in the Red Lake Indian Reservation in Minnesota.

Mr. Lloyd Worst, a former student, has resumed his studies and will complete his course in Mechanical Engineering. Lloyd was compelled to leave school over a year ago on account of his eyes, but they are so strong again that he hopes to have no more trouble with them.

Dr. and Mrs. Holley are the proud parents of a son. He will probably be a paint man.

Dr. Bell left Friday evening (with a shot-gun on his shoulder) for Devils Lake, where he went in the interest of the Biological Department (?). We hope he will collect a large number of specimens.

"The University of North Dakota Campus 'as it will be' very much resembles the Agricultural College Campus as it now is." (From Observations in "Weekly Student.")

WAR ON WEIGHT

National Biscuit People Don't Like New Law

Fargo Forum: There is a clash between the National Biscuit Co. and Pure Food Commissioner Ladd of this state. The result may be a withdrawal of the company from this state:

"I was informed by the attorney of the company," said Commissioner Ladd this afternoon, "that he was authorized to make the statement that his company would withdraw before complying with the rulings I have made: I am awaiting an official letter from the company to this effect, and if they state they intend to take such an action, an official order will be issued at once."

The trouble with the goods of the National Biscuit Co. is not over impurities, but over light weights. Their goods are stated by the commissioner to fail to come up to the standard in that respect. They refuse to make them do so, or to label them according to their weight.

Commissioner Ladd has been after them for some time, endeavoring to adjust the matter without a formal order, but seems to have been unsuccessful.

The Bijou

This popular little house is deserving of the patronage it is receiving, as the management is leaving no stone unturned in endeavor to secure nothing but refined up-to-date attractions for patrons. The bill for this week is one that will crowd the house at every performance—as it is exceptionally strong.

The Homesteaders is a Fraternal Insurance order that furnishes protection from accident, total disability, death and old age. See H. B. Morgan, 604 Front street.

For the convocation services next week arrangements are being made to have a representative of the Y. M. C. A. address the students.

Three of our honored Seniors are taking Junior Prep. arithmetic. Please keep this dark.

The Alpha Mu Fraternity is planning for the first dance in the new armory.

Old Lady, looking up at new building: "En-gee-nee-ring Building. Oh, that's where da keep de engines."

At the Rustic Hotel

"Tom, where is the shoebrush? You had it this summer."

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Students wanting work, apply to E. F. Ladd, Chemical building.

Convocation

Monday's convocation was addressed by the Rev. Mr. Adams of the First Presbyterian church on the subject of "Moral Independence." The address was an able plea for more independent thinking in morals, politics and business. President Worst thanked the speaker on behalf of the students and advised a practical application of the theme.

Mr. Knut Fraysaa, of the Christiania Conservatory, favored the assembly with a violin selection, and was encored again and again. It is seldom the students are favored with a treat such as this and appreciation of the performer's talent was not lacking.

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 A. P. Murphy.....*Sporting Editor*

LOCAL REPORTERS

Levi M. Thomas.
 Agnes Halland.
 Kieth H. McGuinn.
 E. W. Hall.

Circulation 1,250

I, Wilfrid Paul Heath, Business Manager of the Weekly Spectrum, do hereby solemnly swear that the above statement truly represents the circulation of the Weekly Spectrum for the week ending October 5th, 1907.

(Signed) Wilfred Paul Heath.
 (Seal) Alfred H. Parrott.

Notary Public, Cass Co., North Dakota. My commission expires May 21, 1913.

The Outcome?

It is with fear and trembling that we await the outcome of this first issue of our first weekly. The success or failure of any new enterprise always depends upon public opinion. Our endeavor this year will be to give the students of the Agricultural College first; the news, the whole news, and a little bit more than the news; and secondly, to put that news in a good readable form that shall not shock anybody's taste for high literary art. We expect, of course, to make some mistakes in the course of the year, but we shall try to present truthfully, upon all matters of public interest, the thoughts and opinions of our best and most representative students. We purpose to portray the student life of the College as it actually is, and not as it ought to be, or as some few people would have it. Above all things we want to make this paper alive; alive to what is going on in the College work, in athletics, in society, and in short, alive to all manner of student activities no matter in what direction. Further than this, we cannot go, and it will henceforth rest with the student body to make this publication a brilliant success or a dismal failure.

Straight Talk.

The students' election last spring the question of publishing a weekly newspaper versus a monthly magazine, as official organ of the students, was brought before the organization, and received an almost unanimous vote in favor of the newspaper. With this initial issue under the new regime, we feel that we have proved the ability of the staff to publish such a paper, but ability alone does not always make success. No truly great achievement was ever the product of a single intellect, and most assuredly no truly representative college paper was ever yet, or ever will be, the product of a single staff. Given material and tools, it is nearly al-

ways possible to build a house, but should either one of these items be lacking it immediately becomes next to an impossibility. We are the tools: you, the students of the North Dakota Agricultural College, have the material. Bring these two factors together and we shall have a live, progressive college newspaper. To put it still more plainly, the college newspaper, to be a success, must not only have a large proportion of the time and labor of the staff, but must also have the hearty cooperation of each and every individual student of the college.

There are two ways for the student to prove himself a loyal supporter of his college paper: First, subscribe for the paper yourself and pay your subscription in advance; and, second, if you see, hear or know of anything interesting, tell it to a reporter at once. Here's a chance for you to do something beneficial for yourself, your class, your society, and above all, for your Alma Mater.

Get Together

We of the Agricultural College have often, and sometimes not without cause, been spoken of as somewhat lacking in a healthy college spirit. Let us, then, start this college year with a determination to refute any such reputation and begin right now by showing a lively interest in the team which represents us and in the fellows who, night after night, practice together in the effort to bring that team to a high state of perfection in order that the Alma Mater may hold a place in athletics that shall be in keeping with the place it holds in other respects.

Don't leave things to the other fellow. Do something and whatever you do, do it well. If you think you can play football, put on a suit and try your best to make the team. If you can do nothing but yell, start yelling and learn to yell so well that you will have no superiors. By all means, let's get together and do something. One fellow can do nothing alone; two can do a little; and a hundred can do anything. Let's do it!

What Will We Do For Varnishes?

Dr. Holley has returned to work after a month's vacation in the central states, where he visited the various paint and varnish factories of Milwaukee, Chicago and other cities. In regard to the varnish industry he says that the world's supply of fossil gums is practically exhausted, and all high grade varnishes must contain these constituents. The recent sinking of a single ship with a cargo of fossil gums shipped from Australia, raised the market price of gum six cents per pound. Resin, which has in the past been largely used in what was considered inferior varnishes, is widely used at the present time, but it, too, is becoming exhausted with the disappearance of the pine forests.

Mr. Chas. Oswald, a former student and graduate in Mechanical Engineering, goes to the University of Kansas as an assistant instructor in the Engineering department. Mr. Oswald will teach steam engineering, mechanical drawing and machine design. The best wishes of his former schoolmates accompany Mr. Oswald to his new field.

The College Department Offers Five Full Graduate Courses, Viz.:

Pharmaceutical Chemistry,

Mechanical Engineering,

Civil Engineering,

General Science,

Agricultural

These courses are available to those who have completed the equivalent of a good High School Training

For those who have not had such a training

The Academic Department Offers:

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Is offered all students and its work is so arranged that it may be carried in connection with the regular work of other courses

THIS COLLEGE

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

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

THE LABORATORIES

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

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

Prof. Dolve (class '04 Engineers), who has been spending his vacation as levelman with the U. S. Geological Survey, returned to the College Saturday, Sept. 28, and will resume his work as instructor. He reports a very pleasant vacation, but is glad to be back at the old A. C. again.

Stambaugh says he would return if Adah was only coming. Can't someone prevail on Adah?

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To Test Value of Preservatives

During the past summer, Mr. Dahlgren of the Department of Chemistry, has been carrying on, under the direction of Prof. Ladd, rather extensive canning operations, the object of which is to test the value and necessity of chemical preservatives in canned goods.

Lyceum Gets Permanent Home

As soon as the new building is completed the Lyceum of Engineers will have a room in which to hold their meetings instead of being compelled to use the Chapel or some other unsuitable room. Their new home is a 24x27-foot room on the third floor. It will

be fitted up by the Lyceum with a writing table and stationery, and the current engineering and technical magazines will be kept on file. Each member of the Lyceum will be supplied with a duplicate key to the room. Although not definitely stated yet, Prof. Keene may be able to have the department library removed to a place that will be easily accessible to those who are preparing technical papers.

If the library is removed to the Engineering building it will have a marked effect on the papers read before the society, for under the present arrangement the library closes at 5 o'clock, and as the engineers are all busy about this time, there is no way in which the reference works in the library can be made use of.

Beside using its room for meeting, the Lyceum will fit it up with curtains, rungs, window seats and easy chairs so that the members can go there at all times and find a pleasant and homelike, as well as a convenient, place to read or write.

Imposing New Building

The new engineering building is by far the handsomest and most imposing building on the campus. It is built of light brown brick and has a red sandstone foundation and trimmings, which contrast very effectively with the light brown background; a mansard roof and glass-covered dome also add considerably to its appearance.

The entire building is well lighted by a large number of windows when natural light serves, and by incandescent and Nernst lamps when artificial light is required. It will be heated by the vacuum system of steam heating, and an abundance of fresh air is assured by a forced system of ventilation.

The 25,000 square feet of floor space is divided into a large hall, and several smaller ones on each floor, twenty-four large laboratories and class rooms, and four of

SPORTING

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.

Changes in Football Rules

Offense to penalized 15 yards for forward pass touching ground instead of losing possession of the ball.

Defense to be given the ball when out of bounds from a kick or forward pass.

Forward pass from punt to be penalized 15 yards, but distance to be gained will be 10 yards.

Hurdling or tripping to be declared a foul and the side so fouling to be penalized 15 yards.

Halves to be increased from 30 to 35 minutes each.

Linemen may carry the ball from position or from five yards back.

Coaching from the side line to be penalized 15 yards from the point where the ball was snapped.

If ball is kicked out of bounds twice in succession same shall go to the opposing side on the 35-yard line.

During kick-out opponents must stand at least 35 yards from the goal.

No player who has not signaled may attempt fair catch on signal of another player.

No player may signal for a fair catch unless he has a chance to make the catch.

All players will be allowed to pass ball back at any time.

One umpire and one field judge will be compulsory.

The field umpire will share a part of the referee's duties.

Head linesmen will make spot where ball goes out of bounds.

Referee will report all holding to the umpire.

Referee will judge hurdling.

fices, besides numerous vaults, property rooms, dark rooms, blue print rooms and janitors' rooms. The interior woodwork is all of birch, except the halls and offices, which are finished in oak. The class rooms are fitted with elevated seats and seat one hundred and fifty each. The drawing rooms are exceptionally well provided with skylights and Nernst lamps and the laboratories are equipped with all necessary appliances.

Taken as a whole, the new engineering building is one of the finest and best equipped in the northwest.

The week commencing Sept. 30 will be one that will not be forgotten for time to come with such people as the Four Sarcons, the greatest European singers and dancer act, along with Bush & Elliott, the comedy acrobats; Miller & McCauley, the famous blackface comedian; Ade Whiting and Professor Rudd's Union orchestra, and the very latest moving pictures that will give you a laugh that will not be forgotten, not overlooking Elmer, one of the greatest jugglers on the stage of today.

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Musical

The new year begins with a decidedly encouraging prospect for the Music department. In the first place the old Music building has been moved to a location directly north of the Mechanical building and remodeled into a spacious and convenient music hall. The lower floor was torn completely away in moving and has been rebuilt above the ground. A hall or corridor runs the entire length of the building with entrance in the center of the south front. On the right the first room, No. 1, is Dr. Putnam's office; the next, No. 3, the instrument and supply room for band and orchestra, and then two closets—Nos. 5 and 7. To the left of the entrance are the stairs leading to the large rehearsal room above. The first room on the left—No. 2—is Miss Grasse's studio. Then there are three rooms—No. 5, 4, 6 and 8—for piano practice rooms. The room above is large, well lighted, well heated, with high ceiling, and has been newly ceiled and painted. This room will comfortably accommodate fifty for band rehearsals and eighty-five to ninety for chorus work. The entire building is well lighted and thoroughly heated. The department of music will be fully settled in this music hall by the latter part of the present week. At the present writing the band are rehearsing in room 2, Science hall, and Miss Grasse is teaching in chapel.

The Ideal

F. Edward Meacham has a comedy turn which is said to be one of the cleverest seen at the Ideal for a long time. The other entertainers on the bill will be Misses Randeno and Cando in lightning crayon work. They have an artistic turn of high class art that is certain to please the most fastidious. It has not been shown here and will be a novelty for local amusement seekers. Miss Thomaier will be heard in pictured melody and there will be a riotous profusion of new mirth-provoking motion pictures.

Tons of Paint

Seventeen paint companies have each sent thirty gallons of mixed paint to the College to be tested. Besides this, several companies have sent pigments and the National Lead Co. has sent 500 pounds of pigment and thirty gallons of mixed paint, making a grand total of 540 gallons of mixed paint and half a ton of pigment. All frame buildings at the College and at the station will be given a coat of this paint in order to test thoroughly its durability.

THIS SPACE
BELONGS TO
D. B. C.

Conference of Food Commissions of the Northwest

On the 17th and 18th of last month, there convened in St. Paul a conference of the food commissions of the northwestern states. This convention was called by Professor Ladd to secure a uniform method of labeling in the several states and to harmonize the commission's rulings as far as could be done in two days. There were present representatives from Illinois, Iowa, Minnesota, North and South Dakota, and Wisconsin, and also representatives of the U. S. Bureau of Inspection from the Chicago and St. Paul laboratories.

Among the resolutions adopted were the following:

1. Prohibiting the use of artificial colors in all extracts.
2. Condemning the use of alum and alum compounds in all fruits, vegetables, etc.
3. Prohibiting the use, in jellies, jams, preserves, etc., of starch, gellatine, colors, and preservatives.

4] Prohibiting the use of preservatives in catsups after Dec. 1, 1908, and also the use of artificial colors and fillers.

5. Condemning the use of the term "Salad Oil."

7. Prohibiting the use of artificial colors in vinegars.

8. All food products must be labelled true to name. "Extra Quality" and "First Quality," unless products are of such quality, will be considered as mis-branding.

The work of this conference was strictly authoritative as they confined themselves to matters which might be adjusted under the existing laws of the several states, and there will be published and distributed in the near future a complete record of the proceedings.

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AND

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New Spokes in the Wheel

Some of the New Faculty Members and Where They

Come From

Mr. R. H. Slocum of the Civil Engineering course, was born and educated in Illinois, graduating from the State University in 1900 with the degree of B. S. in civil engineering. Even when at school he realized that a theoretical education, even when combined with the greatest possible amount of practical work which the best of universities can add, is not sufficient to give a man the wide range of experience necessary to fit him thoroughly for the work of a teacher, and accordingly he spent his vacations in as many different lines of engineering as possible. Most of this work was in railroad engineering for the Illinois Central and Pennsylvania railroads, for which latter road he served as chief of a level party during the summer of 1899. Upon graduation, Mr. Slocum was elected as instructor of Theoretical and Applied Mechanics and Municipal and Sanitary Engineering at his own university. This would seem like a fitting stage at which he might commence spending his vacations in leisure and enjoyment, but Mr. Slocum did not think so. Instead, he has continued to broaden his field of experience by such employment as designing and drafting a \$150,000 water works system, as assistant city engineer of Champaign, Ill., as superintendent of concrete work for bridges for The American Water Works and Guarantee Co. of Pitts-

burgh, and as concrete inspector for the Illinois Traction System. At present Mr. Slocum is making exhaustive investigations of the different types of well strainers to secure data for a thesis for his master's degree.

Mr. Alfred T. Arvold, who comes to take charge of the oratorical work of the English Department, was born in Whitewater, Wis., and graduated from Whitewater High school in 1901. He entered the University of Wisconsin and graduated with the class of '05, having given particular attention to the subjects of literature and history during his course. After graduation he went to Eau Claire High school as professor of Oratory and Public Speaking, where he built up a strong department in his chosen field. Besides his school work Mr. Arvold has obtained a decided reputation as a Chautauqua and Lyceum lecturer, and is looked upon by many who have heard him as an orator of exceptional merit.

Dr. H. P. Basset has been elected to succeed Assistant Professor Stallings in the Division of Physiological Chemistry, Professor Stallings having lately been called to take charge of the pure food work of Georgia. Dr. Basset is a graduate of the Kentucky Agricultural College, and was for one year instructor at that institution.

He later graduated from Johns Hopkins University, receiving the degree of Ph. D. He also assisted Dr. Jones at that institution in the branch of Physical Chemistry for one year. When elected to his present position he was chemist for the Dupont Powder Works of New Jersey.

In the Biology department changes have also been made. Professor Pritchard, who for the past three years has occupied the position of assistant professor of Biology, has left us to pursue studies at Cornell University, where both he and Mrs. Pritchard intend to take the Doctor's degree. Profs. Fred G. Seaver and Theodore D. Beck are the new men in the department this year. Mr. Seaver was born in Webster county, Iowa. He is a graduate of Morningside College, Sioux City, Ia., taking there his B. S. degree. He then continued his studies at the University of Iowa, graduating with the degree M. S. He spent the following year teaching Botany at the Iowa University, then one year teaching at the Wesleyan University of Iowa. Last year he had a fellowship in Botany at Columbia University, New York. He will have in charge more especially, the Botany work of the department here.

Professor Beckwith, who is in charge of the Bacteriological work of the department, was born at Utica, N. Y. His college days were spent at Hamilton College, New York, where he received his

B. S. degree and in 1904 the degree of M. S. Since his graduation he has filled a position as investigator in the Marine Biological laboratories at Wood's Holl, Massachusetts.

Mr. Sudro comes to us from Cleveland, O., where he was in the employ of a jobbing house, to assist Dr. Brown in drug analysis. Mr. Sudro is a graduate of the Michigan University School of Pharmacy.

Mr. Christian I. Gunness, graduate of the Mechanical Engineering course of this institution, comes back to take charge of the elementary steam classes and steam engine practice of the division of Steam and Experimental Engineering.

The position as assistant librarian, left vacant by the resignation of Miss Ash, is now being filled by Miss Schriver. Miss Schriver has previously been engaged as postal clerk in Iowa and as teacher in Iowa and the southern part of this state. We trust that she will like her new line of work.

Mr. Arland D. Weeks, who comes to us from Valley City Normal school, to fill a vacancy in the Department of English, is a graduate of Cornell University. He was very popular among the students at Valley City and while there organized a corps of student correspondents who gained practical experience while they made the work of the Valley City

Normal widely known by writing for different newspapers throughout the state. Prof. Weeks is a firm believer in the future of agricultural and mechanical education in this country, and thinks that the value of this cannot be too firmly brought home to the people of this state. It is largely for this reason that he was induced to accept his present position.

PRESIDENT'S ADDRESS.

First Convocation.

At the first convocation of the school year, held in chapel Sept. 23, President Worst addressed the assembled students on the principles that should govern their actions in respect to the College throughout the year. In the course of his talk, the president laid special stress on the matter of military courtesy and cited the difference between the German customs and our own as an object lesson in the beneficial results of military drill. In concluding he sounded a strong warning to loafers, and closed with:

"Remember, that this is your institution. It is what you make it and nothing else. Be true to your school, true at heart, honest, sympathetic and helpful. Above all things, be useful."

Musical numbers were a vocal solo by Miss Grasse and a cornet solo by Dr. Putnam, both of which were highly appreciated.

At the close of the exercises some one started "Ka-ko-ta," and for a moment the chapel rang with the old familiar yell.

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girls

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Government Expert Visits the College.

Mr. John T. Stewart, government drainage engineer, stopped at the College last week for a few minutes' talk with Prof. Waldron on the condition of the drainage experiments being carried on at the local experiment station. Speaking of the experiments, Mr. Stewart said that there had not been enough rain, since the tile were laid to test rightly their efficiency in taking the water off. Mr. Stewart was on his way to Crookston where he is in charge of a similar experiment.

SOCIETY

Social activities commenced for the college year with the initial meetings of both the Athenian and Philamathian Literary societies on Friday evening, Sept. 20. The programs of both societies were necessarily more or less impromptu, but the meetings indicated an enthusiastic spirit that cannot be too highly commended.

In the Athenian society the program took the form of a story contest in which different members were called to the rostrum and asked to tell a short story. The prizes were captured by Messrs. McGuinn and Lanxon.

The Philomathian society program was somewhat more pretentious, including among its numbers an original story and an original poem. The story by Miss Halland was of exceptional merit and not only showed considerable thought, but also a broad sense of humor. Both societies were favored with vocal and instrumental selections during the evening.

Reception

Saturday evening, Sept. 28, the Y. M. C. A. and Y. W. C. A. gave their annual reception to the Faculty, students, and friends of the College. The parlors at Francis hall were tastefully decorated with large bunches of asparagus tied with yellow bunting, the color scheme throughout being green and yellow.

During the evening several musical selections were rendered by the Misses Grasse, Grest, Mr. Ross Babcock and Dr. Putnam, which were thoroughly enjoyed by all.

A unique feature of the evening was the guessing of cartoons drawn by Mr. Birch. These afforded considerable merriment. A booby prize was awarded. None the less amusing was the fortune-teller who was kept busy telling the past, present and future of all who desired it. Refreshments were served, after which all joined in singing the College song, "Our Alma Mater," and in giving the College yell. Considering the unpleasant condition of the weather there was a very good attendance.

Dramatic Club

The Dramatic Club held its first annual meeting of the year Friday afternoon. Unfortunately Prof. Arvold was unable to be present, but a large number of the older members were present to outline the work of the coming year.

The work in Oratory and Dramatics has started out most auspiciously under the able direction of Prof. Arvold, formerly of Wisconsin University, who is an enthusiastic worker of much experience.

Last year's vacancies were filled by a number of students who came to us from other schools and colleges. With the available talent it cannot be doubted that Prof. Arvold's presentations will be of the highest order.

The New Dormitory

At last, after waiting patiently for years, the hope so long entertained by the college girls, remains no longer a vision of the bright future, but has indeed be-

come a reality—the Girls' Dormitory is a fact. They are coming to realize what is meant by dormitory life, the rules and regulations, and the many joys and pleasures with which dormitory life is associated. The truthfulness of the old adage is again proved, that "good things come to those who wait." Instead of coming to the city, a stranger, perhaps to search in vain for a desirable place, a girl has now the privilege of making her home at this very desirable place—the College Dormitory. Thus the difficulty is removed. Here she is made to feel perfectly at home, and by getting better acquainted with the girls, true friendship and social life are cultivated.

At the beginning of this school year, the College took direct control of the Beals Dormitory building on Twelfth avenue north. The building has been thoroughly renovated and modernized throughout, walls repapered and floors and woodwork restained.

The building, as arranged, will comfortably accommodate fifty young ladies. Entire management is in the hands of Miss Childs, head of the Domestic Science department. Mrs. Ash, also of the Domestic Science department, resides in the building.

On the first floor are the parlors, office and rooms of the preceptress, halls, dining room and kitchen. These are all well lighted, cheerful rooms. The dining room is a large room extending the entire width of the building, and is capable of seating about sixty. The kitchen is well fitted out with all necessary modern improvements.

The second and third floors contain rooms of the girls. A long hallway extends through the entire length of the building with rooms opening on either side. Each room is equipped with the necessary furniture. Rooms are electric lighted throughout the building. Two young ladies are assigned to each room and are required to take complete care of it. At regular intervals it is inspected by the preceptress.

Situated as the Dormitory is, at a little distance from the College buildings, it occasions one good exercise, walking back and forth, a thing which students are so apt to neglect when living in too close proximity to recitation rooms.

It is hoped that every young lady attending college here, and away from home, will avail herself of this opportunity offered this year and that the attendance among the ladies will be greatly increased instead of decreasing as it has been doing for the past five years.

Philos

The following program will be rendered on Friday, Oct. 4, at 8 o'clock p. m.:

- Piano Solo.....Percy Goodwin
 - My Summer Trip...Robert Dolve
 - Declamation...Clarence Waldron
 - Talk.....Prof. Arvold
 - Locals.....Lloyd Worst
 - Vocal Solo.....Chas. Clark
 - Critic.....Miss Childs
- New students are cordially invited.

Did you notice it? Otto came back with a shock of football hair parted in the middle! Which girl can it be, anyway?

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Get Acquainted

A great deal has been said about college loyalty and a great deal more should be said. And much more might be said on that subject. Much has been said about the cooperation between Faculty and students. Why is it necessary to say anything about these subjects? One reason is that the work carried on at the A. C. is so very diversified in its nature that both students and Faculty get to working in their special lines and unintentionally become so engrossed in them that, many times, they forget that there is anyone else on the campus and any other work except their own. This is not particularly anyone's fault; it is rather a condition that should be overcome. No student, at least no college student, should say that he was not desirous of the prosperity of the institution and every student would do all in his power to improve the student body. The same is true of the Faculty. But the students and the Faculty do not know each other. We believe there are few students at the A. C. who could name every member of the Faculty; and few members of the Faculty could name half the regular students. A close acquaintance and a hearty cooperation between the Faculty and students is absolutely necessary for the best interests of the College.

We believe that every man should attend to his line of work, but at the same time we believe that he will not lose anything if he has a cheerful word for, and incidentally gets acquainted with, those about him. There are students here who have the reputation of not speaking to students, or Faculty either, when they meet them. We are sorry to admit that there are a few of the Faculty who have the same reputation. We know of but one remedy for the latter condition and that is to take on some slight degree of sociability and give back to your neighbors as much as he gives you, at least.

When we are somewhat acquainted with each other then will begin, without further assistance, the feeling of cooperation between Faculty and students, both in school work and socially. This does not mean that a certain few of the students and Faculty should exert themselves more than usual to become better acquainted, but it means that every man and woman who comes on the campus, in any way connected with the institution, must "cheer up" and help his neighbor along a little.

In order to have the best feeling of cooperation every student must feel that he is perfectly free to go to any member of the Faculty for advice and assistance. And we believe that every Faculty member approached in this way will feel it, not his duty, but a pleasure to render assistance to a conscientious student.

State Soil Surveys

This year North Dakota has been again favored with the cooperation of the Federal Government in the matter of Soil Surveys. Last year two surveys were made under the same conditions, one in Williams County, and the other in Ransom County. The reports of those surveys will appear in the forth coming Bi-ennial Report of the Agricultural College Survey. This year a soil survey was made in Morton and Hettinger Counties, in the vicinity of the Cannon Ball and Cedar Rivers, comprising about twenty townships. Mr. Thomas D. Rice of the Bureau of Soils, had charge of the work in co-operation with Prof. Willard of the A. C. Survey. Ray Babcock from the College, assisted Mr. Rice in the field work.

The other survey was made in McKenzie County under the direction of Mr. A. E. Koehler of the Bureau of Soils. This area comprises about twelve townships between the Little and the Big Missouri Rivers. Robert Stevens from the College assisted Mr. Koehler in the field work.

The reports of these two surveys will also appear in the forthcoming Bi-ennial report. These reports will be read by all residents of the state inasmuch as each will give an insight into portions of the state with which few are acquainted. The settlement of Morton County has advanced in strides during the past year, and much interest is manifested by the new settlers. The area in McKenzie County is even less settled than Morton, and the public will get a good understanding of the conditions of what little unsettled land there is left in North Dakota.

More Books

During the summer there have been over 1,200 bound volumes added to the library shelves. These include twenty-five volumes of the "Nations of the World" series, which were needed to complete this set; fifteen reference books for the English department; numerous works in history, chemistry and science, and about 200 bound volumes of magazines. There are also a large number of government experiment station bulletins as well as numerous bound volumes of government documents which are received as a depository. These 1,200 volumes bring the total number of library books up to about 20,000. These, which are mostly reference works, together with those obtainable in the Fargo, Moorhead, Moorhead Normal and Fargo Col-

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lege libraries, enables students to secure a great fund of information on almost any subject.

PUBLICITY

The College Starts Its Own Plant

Professor Weeks of the English department, has organized a class in newspaper correspondence. This class will meet at 1:30 on Friday afternoon. That it is popular is assured by the fact that over twenty-five students have already been enrolled.

The purpose of the class is to get the people of the state better acquainted with the College, and the work being done. It is a well known fact that the majority of the people of the state do not fully understand the value and scope of the work being carried on here. The subjects written upon will include everything connected with the College, station work, and life of the student.

The class work will fit the student for practical newspaper correspondence. All of the matter turned in will be criticised, and if found worthy, will be published. The student, then, who does well will have the satisfaction of seeing the results of his efforts in print. College credits are given for satisfactory work.

CIVIL ENGINEERING COURSE

Four-Year Course Leading to Degree of B. S. Added to the Engineering Department

For a number of years there has been a demand for a course in civil engineering at the A. C., but as the old Engineering building was already overcrowded, it was impossible to do anything in this line. Now that we have a new Engineering building, which is the equal of any in the northwest, this difficulty has been removed, and the course has been added.

The work is so arranged that the first two years are almost the same as the mechanical course. This enables students to take two years' work before deciding definitely between these two courses. All work in the civil engineering course will be carried on in laboratories, lecture, recitation and drawing rooms, which are being especially fitted for that purpose in the new building.

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It has been thought strange by some that there is so little feeling of loyalty among the Alumni of the College. Is it strange that such is the case when there is so little unity of the student body and so little feeling of loyalty for the Agricultural College, while they are there as students? Is it strange then that there is no college loyalty? It is a serious thing and we suggest that the students get acquainted with the Faculty and the Faculty get acquainted with the students.

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