

THE WEEKLY SPECTRUM

Official Publication of the Student Organization.

VOL. XVI.

Number 6.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY Nov. 2nd, 1909.

PRICE 5 CENTS.

Athenians Take Hay Rack Ride

Jolly Evening is Enjoyed By Members of Literary Society.

Taking advantage of the fine weather Saturday evening the Athenians got up an impromptu hay rack ride. As most of the arrangements were made after supper some difficulty was experienced in getting the party together but about thirty-five were finally collected.

The load left the Dormitory shortly after eight and some time was spent in picking up stragglers which at the same time furnished no little amusement for all concerned. A liberal supply of peanuts was also procured in the course of their wanderings and with the party fully made up the moonlight tour began.

After traveling deliberately down Broadway a circuit of the South Side was made. The plan of visiting Moorhead was then proposed and largely favored but at last abandoned on account of a small but very determined opposition. Soon after this the merry-makers started to retrace their steps leaving the various members of the party at their homes. All this took considerable time and it was nearly mid-night when the Dormitory was reached on the return trip.

The party was chaperoned by the Misses Lofthouse and Griffin. Throughout the evening a most pleasant time was enjoyed by all. The gathering was characterized by the lack of formality and the general spirit of good fellowship which prevailed. Some of the girls felt rather lonesome but there were not enough boys to go round anyhow so the ladies decided to make the best of the matter and have a good time in spite of the circumstances.

RECITAL HELD THURSDAY.

First of the Series of Recitals Given by the Pupils of Miss Grasse, Held in Chapel.

The first recital of the season was held last Thursday in the Chapel, these recitals will be held every few weeks to give Miss Grasse's pupils the experience necessary to successful work.

This recital was well attended and the work done was of a very satisfactory character. Those taking part were Miss Grasse, Misses Ruth Hull, Ethel Peterson, Beatrice Alm, Suzie Lettner and Prof. Beekwith.

WANTED.

Wanted—A good second hand typewriter, standard keyboard, address replies to box 57 Agricultural College.

NOTICE.

The teachers' meeting which was to have been held last week was postponed and will be held on Wednesday evening of this week at 8:00 p. m., in Music Hall.

A. C. Rooting Shows Rapid Improvement

Under Good Leadership A. C. Students are Learning to Use Their Voices

It has often been said that the A. C. students are poor rooters. That may or may not have been true but we are now on the road to true efficiency in the rooting department. Two games this fall have shown that the student body is willing to do its share and has been rooting when properly led.

The rooting in Saturday's game was marred by the attempts to follow too many leaders. We were rooting in splendid fashion while led by the regular leaders, but after two self-styled leaders appeared with no megaphones at all, or a little six-inch thing, and all kinds of motions without meaning the unity was spoiled. The strength of rooting lies in its unity and we cannot afford to lose our reputation as rooters and winners on the athletic field, in order that some of us may have a chance to show off as yell leaders. If one leader cannot do it all, let us, like Fargo College, have two leaders, but only one at a time. Saturday's game showed that we have a good rooting body and a good leader. Keep it up.

L. A. W.

PROF. W. I. THOMAS WILL SPEAK AT GRAND

Professor of Sociology at Chicago U. Will Lecture on Popular Subject.

Prof. W. I. Thomas, professor of sociology at the U. of Chicago, will speak at the Grand Nov. 28. His subject will be either Yellow Journalism or Race Prejudice. Mr. Thomas is one of the leading lecturers and writers in his field. He is the author of several books among which is Sex and Society probably the best known of his works. This book caused considerable stir upon its appearance a short time ago. He is also the writer of a series of articles in the Atlantic Monthly, The American Magazine and others.

Prof. W. C. Wilcox, head of the department of history at the U. of Iowa will lecture in this course the later part of Jan. on the Present Crisis in American History. He delivered a course of twelve lectures last year at the St. Paul Academy of Arts and Sciences, and proved to be a most brilliant speaker among the many that were heard in St. Paul last season.

REMEMBER.

We play St. Thomas on the local field next Saturday. Be there with your best voice. The past has shown that we have a good team and good rooters, and let us keep up our reputation in both respects.

Prof. Beekwith spent Saturday in Valley City, on business?

Second Foot Ball Rally Held Friday

Great Improvement Is Shown In Second General Practice Of Yells.

At eleven o'clock Friday, the students gathered once more in the old chapel to hold a football rally this time in preparation for the game with Fargo college. The meeting was presided over most ably by Cal Hennis and was, as he explained at the beginning, for the purpose of inspiring the "weaker brothers" among the student body with the proper amount of college spirit and enthusiasm for the coming game.

There seemed a little lack of enthusiasm however, for the exuberance of the crowd began to manifest itself long before the meeting was called to order.

After a brief statement of the nature and purpose of the assembly Mr. Hennis started proceedings by calling on Peter Olson to lead the first yell. Manager Dynes was then called on for a short talk, and responded by giving the exact status of affairs as he saw them in regard to the coming game. While he believed in taking an optimistic view of the case he declared that the true facts of the situation must be fairly met. Although we should win the game, we must not expect an easy victory and the team needed and certainly deserved the support of every student.

Mr. Dynes was followed by Mr. Dolve who made bold to predict a victory, but reiterated the statement of the previous speaker in regard to the yelling. Dean Bolley next spoke on football from the players standpoint and advocated a hard and thorough beating as the best possible remedy for Fargo college. The team was then heard from through their captain, Bert Haskins who told of the determination of every member of the team to play the game of his life the next day. Dr. Bell, Nemzel and Keeny were the final speakers, each emphasizing some phase of football or rooting. Mr. Keeny laid special stress on the necessity for organized yelling and was forthwith elected yell-leader.

The speaking was punctuated by frequent and vociferous practice of college yells under the leadership of different students and at the close of the hour some time was spent in practicing yells according to a plan suggested by Dr. Bell. The assembly was divided into two sections and yelled in opposition to each other, thus getting something of the conditions as they exist in the field where the supporters of the opposing teams are both rooting. Shortly after the ringing of noon gong the meeting adjourned after what all agreed was a most successful rally.

Louis Wilker left Friday for a few days visit at his home in Hensal, N. D.

D. S. Girls Do Practical Work

Luncheon is Served in Due Form By Members of Cooking Class.

The Domestic Science girls entertained formally at a three course luncheon on last Tuesday afternoon at 3:30 in Francis Hall. Covers were laid for six and the guests present were the Misses Thompson, Glacier, Fowier, Grasse, Boyce and Mrs. Ash. Ferns were placed artistically for table decorations and the plate cards were in the form of pumpkins with the menu on the opposite side which was as follows:—

Cream Potato Soup
Wafers Salmon Salad
String Potatoes
Tomato Pickles Grape Jelly
Bread and Butter
Cream Cakes Chocolate
This, the second of a series of menus to be given, and was prepared by the Misses Grest and Eyoifson and served by the Misses Gibbons and Welo.

PROF BURNETT IS HEARD FROM

Former Registrar Tells of Lecture By Dr. Cook.

During the past week communication was received from Prof. Burnett a former instructor at the College, but now at Kansas City. Prof. Burnett states that he attended a lecture given by Dr. Fredrick Cook. In speaking of the lecture he said: "We had one great drawing card in Dr. Cook. He cost over \$5,000, but we cleared over \$4,000 on him. His lecture was good, but too general. I have heard men take a half hour to tell how they killed a deer but Cook says, 'We killed 338 musk oxen in that month.' We are all hoping and fear that Cook is a common liar but it looks suspicious, Cook's best friends all believe in him. His lecture is not in itself so very convincing if you are looking for proof."

Many Seed Samples Arrive.

The seed control is receiving large consignments of grass and other seeds from the various seed houses in the state. These samples are sent in to the seed laboratory to be tested for purity and germination so that the managers can furnish better supplies for next season.

There are forty and fifty samples a week coming in and the members of seed control are kept very busy.

The Castalia Literary society will meet Friday night to adopt a constitution, when an impromptu program will be given. A committee has been appointed to draft a constitution and in a short time the society will be running smoothly.

It seems strange that more of the classes have not organized.

Fargo College Wins From A. C. Eleven

Locals Go Down to Defeat Before the College on the Hill.

GAME HOTLY CONTESTED

Aggie's Nerve Captain Plays During Last Ten Minutes With a Broken Nose.

Probably one of the most hotly contested games ever witnessed on the local field was played Saturday afternoon when the grid-iron warriors from the College on the hill lined up against, and succeeded finally in carrying away the victory from our own eleven.

At an early hour in the afternoon the crowd began to assemble and the rooters massed themselves on either side of the field, Fargo College on the east while we occupied the west. Manager Dynes had bleachers especially constructed on both sides and the volume of cheering which rolled across the field from both directions was only a miniature reproduction of the contest destined to take place on that same field tho in a transverse direction.

First Half.

The game was called at 3:30 and from the time the whistle sounded and the game was on there was no hesitancy, no delay on the part of either team. It was one mad scramble for victory. The first kick off went out of bounds and on the second, Fargo College advanced the ball about 10 yards and Pollock punted. From this time on the contest waged up and down the field in our territory to within three minutes of the finish of the first half, when we fumbled the ball and it was nailed by a Fargo College man. He was stopped on the 10 yard line where they tried for a field goal which was blocked. Then followed some discussion in regard to the rules of the game to be applied in this instance finally resulting in a decision favorable to Fargo College. Following this there were two line plunges in which "Polly" and Perry finally pushed the ball over for a touchdown. Slingsby failed to kick the goal.

Second Half.

The play in the second half was much the same as in the first, neither team could work the forward pass with any results. Time and again we threatened the Preacher's goal, twice breaking away and landing behind their goal posts however in both instances the play was considered illegal and the ball had to be brought back. In this half F. C. also made another touchdown and kicked goal. Much time was taken up in the discussions on technicality and because of injuries received by the different players, so that the last part of the half was played under cover of darkness and the half was cut short about five minutes.

(Continued on page 8).

STUDENTS: This Publication Is Made Possible By Our Advertiser. PATRONIZE THOSE WHO PATRONIZE US.

Greek Letter Men Will Hold Banquet

Fraternity Members of Fargo and Moorhead Will Feast At Gardner.

The meeting of the various National Greek Letter Fraternity men of Fargo and Moorhead will be held in the Hotel Gardner on the evening of November 4th. Such a dinner and a meeting was held last spring and was attended by representatives of sixteen Colleges and ten Fraternities. The idea is to get the various Greek Letter men together in order that they may know each other better and promote socialability among them. The last occasion was a very pleasant and agreeable one, and this next dinner, which occurs Thursday, night, promises to be better yet.

President Weld, of the State Normal school, is the president of the organization and Professor Beckwith is the secretary.

The following letter, which has recently been sent out, is self explanatory, and any Greek Letter men of the two cities and adjacent country who care to attend and have not received notice, are asked to notify Prof. Beckwith.

Dear Sir:

In order to enjoy once more the "feast of reason and flow of soul" that characterized our meeting together last spring, the executive committee of the Fargo-Moorhead, Pan-Hellenic Society have arranged for a dinner at the Hotel Gardner, Thursday evening, November 4th, at 6:30. Dr. J. G. Dillon and Sup. W. E. Hoover are a committee on entertainment and it is impossible to predict what may happen on that evening.

If you know of any national Greek-letter fraternity men will you kindly pass the word along that they may be with us on that evening if they so desire. At our meeting last spring ten fraternities and sixteen colleges were represented and we expect to do much better this time.

So come yourself and bring another Greek man with you.

The dinner will cost \$1.00 per plate and will be informal. Please notify the secretary, T. D. Beckwith at the Agricultural college, not later than November 2nd, if you expect to attend in order that he may know how many plates to reserve.

Very Truly Yours,
T. D. BECKWITH,
Secretary.

Committees Inspect Paint Experiments

Manufacturers and Tradesmen Study Station Work On This Line.

Yesterday the college was visited by committees from The international association of Master House Painters of the U. S. and Canada. The Pitcher Lead com-

pany of Chicago, the Carter lead company of Chicago and the Department of Agriculture. The committees are all made up of noted chemists and came here to inspect and study the paint tests which are being carried on by this station and will make a full report of the results of their inspection to the companies which they represent.

The committee from the National Lead company was made up of G. W. Thompson, one of the best known chemists of the country, C. E. Van Cycle and John Thebold of Cincinnati. The International Association of Master House Painters and Decorators was represented by R. L. Peter of Richmond, Virginia one of the most prominent master painters of the country and John Dore, past president of the association. J. B. Kester was the representative of the Carter Lead company. Mr. Hughes of Joplin Missouri, a paint chemist of wide reputation was sent in behalf of the Pitcher Lead company, while Dr. Walker of the Bureau of Chemistry was sent by Secretary Wilson as the representative of the Department of Agriculture.

The reports of these committees will be printed as a bulletin by the station. The experiment carried on by this station have always been watched with great interest as they are the most extensive of the kind ever conducted. The tests have been made on five paint fences and fifteen buildings in and about Fargo. Several tons of paint have been made especially for the experiments and large quantities have been taken as they were found on the market.

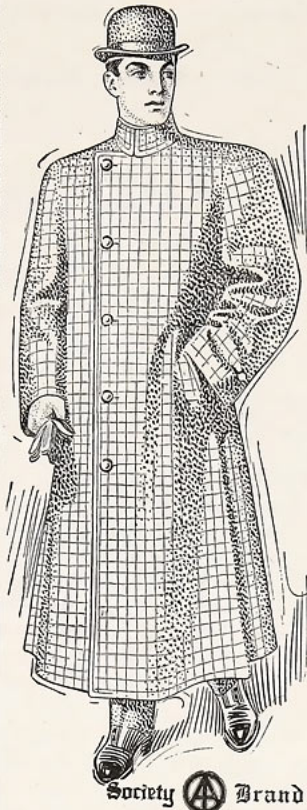
Debating Teams Being Chosen

Question For Second Intersciety Contest Will Deal With Income Tax.

The Athenian and Philomathian joint debate will be held Dec. 10 and the question which has been decided upon is: Resolved that a graduated income tax with an exemption of incomes below \$5,000 per annum would be a desirable modification of federal taxation. This is one of the most timely and interesting questions before the merican people of today. The Universities of Nebraska, Iowa, Minnesota, Illinois and Wisconsin are to have this question in their inter-collegiate debates this year.

The teams representing the two societies will decide upon their respective sides of the question as soon as selected. Some of the prospective candidates are: Lucy Cockburn, Ray Towle, Will Stapleton Peter Olson, Edwin Traynor, Howard Darling, Lamb, Ewen, Dyke and Fern Dynes. Three members will be chosen from each society to form the teams.

The contest this year will be for the banner now held by the Athenians. If won this year this banner will become the permanent property of the society.



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German Club To Be Inaugurated

Preliminary Organization Of Club Has Already Been Completed.

A meeting was held Friday at 5 o'clock in the Athenian Literary Society room for the purpose of organizing a German club. The meeting was called at the instance of several of the faculty and some of the students. The purpose of the club is to promote German conversation. All those having had at least one year of German class work are eligible to the club. The nature of the meetings will be determined after a few meetings. Meetings will probably be held once a week, on Friday afternoons. All interested in this club may get further particulars from Dr. Batt.

All those interested in conversational German and who would like to see a German club established for its practice are requested to meet in the Athenian room, Friday, Nov. 5th at 5 o'clock. One year of German will be necessary for entrance.

The women of Syracuse University held a track meet last Saturday. It is understood that some remarkable records were made although the results were not disclosed.—Ex.

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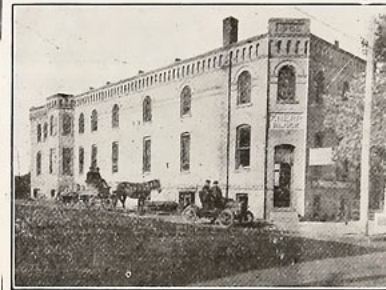
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THE WEEKLY SPECTRUM

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J. Allen Clark, Publisher

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In order to promote the harmonious and efficient cooperation of students in managing such matters as concern all students of the institution. The joint committee of the faculty and the students' organization makes the following recommendations:

1—That functions of the students organization shall be assumed by a representative body to be known as the students' council.

2—this council shall consist of representatives to be elected from and by the following student groups, membership in which is to be determined by the registrar:

| | |
|-----------------------------------|---|
| College. | |
| Seniors | 6 |
| Juniors | 6 |
| Sophomores | 6 |
| Freshman | 6 |
| High School. | |
| Third Year | 2 |
| Second year | 2 |
| First year | 2 |
| Special Courses. | |
| Domestic Science (two year) | 1 |
| Farm Husbandry | 1 |
| Pharmacy (two year) | 1 |
| Power Machinery | 1 |

3—it is provided that, if the institution shall organize other special courses requiring at least eighteen months work, one representative shall be allowed to such special courses.

4—Representatives shall be elected annually not earlier than the 15 of October.

5—The council shall organize and elect its officers on the second Monday after the 15th of October.

Note: The committee further recommends that the election of Editor and business manager of The Spectrum be held by the council not later than the last Monday in April.

The above is the report of the joint committee from the Faculty and Student organization which was appointed some time ago to look into the matter of student representation in the Student organization. The plan here outlin-

ed has met with the general approval of the committee and it is now for the Faculty and Student organization to decide whether or not the method shall be adopted.

While the adoption of the plan would involve quite a radical change from the present system, it must be quite evident to anyone familiar with the affairs of the college that the time for some definite method of representation is at hand.

With the rather complex system of classification involved where there are so many short courses and the rapidly increasing enrollment in all departments the old Student organization has not only become too unwieldy for the most efficient work, but at every election there is more or less trouble as to who shall or who shall not vote under the constitution as it now stands.

Suggestions as to the settlement of this long standing controversy have been many and varied. Some maintain that every student should vote regardless of course or college rank; while others swing to the opposite extreme and advocate that only the four college classes be allowed that privilege. Neither of these plans show up well on closer consideration. To admit all students on an equality would be to put the management of student affairs in the hands of the Preps and short course students who always greatly outnumber the college classes. On the other hand it would be entirely unfair to deny the Preps and special course students a voice in student affairs when they take part in nearly all the college activities.

This seems to leave but one method open; namely a representative system and the student council as proposed by the joint committee is undoubtedly the most feasible plan of representation yet proposed. It gives every class a representation and at the same time leaves a majority vote in the hands of the upper classes. Every student is given an indirect vote as each class and course elects its own representative.

The time of election of officers will be changed to the fall term when all the courses are in session and it is also recommended by the committee that the election of the editor and business manager of the Spectrum be changed from the first Monday in June to the last Monday in April. This seems a particularly desirable change. By the present ruling the election is sure to come during the very last days of the term when the students are busy with examinations and even in some cases so late that many of them have left. This not only makes the election less representative but gives the new editor no chance to arrange for the next years work on the paper. This means that the next fall the editor must meet all the difficulties of organizing a staff and learning the duties of his new position at the same time. If the election were held a few weeks earlier the newly

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elected editor could not only organize his staff at leisure, but could also learn the routine of getting out the paper from the editor then in power. The business manager could also profit by the experience of the passing manager.

The above gives, in brief the plan which will come up for consideration in the near future and the principle arguments in its favor. In common with most changes of this nature the findings of the committee will undoubtedly invite much criticism both for and against and every member of the student organization will have the opportunity to express his or her opinion on the subject. If you are a member state your views at the meeting and then abide by the decision of the majority; if you are not a member under the present constitution hand in your suggestion by someone who is. Now is the time to make suggestions when they can be given consideration. Don't keep your ideas to yourself until it is all over and then find fault with the decision.

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We wish to call special attention to the article on rooting which was very kindly contributed by one of our fellow students. The Spectrum agrees most heartily with the writer on this subject.

Mr. and Mrs. Linn Miller attended Saturday's foot-ball game.

Mr. Bailey and Mr. Sanderson have been asked to attend the National Corn Show which will be held at Omaha, Dec, 18-24. They will have charge of the baking and milling tests respectively. The Corn show was originally confined to corn alone, but now an exhibit of small grain is held in connection under the supervision of Prof. Bull of Minnesota.

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Ziefle Talks

On Antioxins

The Polytechnic Society Addressed By Head of Pharmacy Department.

At the Polytechnic Society meeting last Wednesday, the address of the evening was given by Prof. Ziefle upon the subject of Antioxins. The meeting was well attended and the address highly interesting.

Prof. Ziefle went on to explain that the subject of Antioxins was so broad that it would be impossible for him to do more than offer a short explanation of what antioxins are, and then confine himself to one phase of the matter. Their preparation.

In order to understand antioxins it is first necessary to go into the subject of toxins. Toxins are the poisonous products that are given off by the multiplication of disease germs in the tissues of the body. And antioxins are the poisons secreted by the body to counteract these toxins.

It is possible for a person to be immune from the bacteria. This immunity is of two kinds, natural and acquired, natural immunity is the inherent ability to resist infection when the system is invaded by disease germs: for example, man is insusceptible to hog cholera, etc. Acquired immunity is of two kinds, active and passive. Active immunity follows an attack of a disease such as chicken pox, small pox, scarlet fever, etc. These diseases except in rare instances occur but once in the same person.

Passive immunity is that brought about by the injection of serum obtained from the blood of an animal that has acquired active immunity, this serum contains the antitoxin secreted by the animal.

Antioxins have been known for some time. As early as 1889 Buchner showed that the serum of animals immune against certain bacteria possessed marked bactericidal properties against that particular bacteria.

The antitoxin that was more

particularly discussed was Diphtheria Antitoxin, and Prof. Ziefle showed by means of some lantern slides loaned him by Parke, Davis and company, the preparation of diphtheria antitoxin and also the preparation of smallpox vaccine.

These slides showed in detail just how antitoxin is prepared. They first showed how the apparatus was sterilized by live steam in large drums. Then they took up the preparation of the culture medium, this consisted of beef bouillon containing a small proportion of peptone and a little salt, this medium was sterilized for three consecutive days, so as to be sure that all bacteria are removed, they are then sealed and removed to the storage room to be kept until wanted.

In order to produce an antitoxin it is first necessary to inject the pure toxin into the animal. This toxin is prepared by collecting some of the exudate from the nose and that of a diphtheria patient. By selecting the diphtheria germs from among the colonies of other germs then by repeating this process several times very pure culture of diphtheria bacilli can be obtained.

Then a little of this pure culture is introduced into a large bouillon flask, and it is in this preparation that the greatest danger to the operator occurs, as if he should accidentally spill a little of this culture upon his hands almost surely an attack of diphtheria would follow. In order to prevent any such thing happening the operator immediately after transferring these cultures, washes himself with a very strong antiseptic.

After this operation the flasks are removed to an incubator where they are kept at a temperature of 37 degrees centigrade for a space of from two to three weeks. The bacteria multiply rapidly forming a coating on the surface of the bouillon, and while multiplying from their toxin. This toxin is the part you want so that you pass the bouillon thru germ proof filters and remove all the bacteria and leaves the pure toxin in solution in beef bouillon.

This solution is then standard-

ized by feeding it to guinea pigs, six guinea pigs are taken and each one must be in good condition and weigh approximately 250 grams. The toxin is fed to them in varying doses: thus no. 1 would get 1 cc., no. 2 would get 1 1-2 cc. etc., Do not think these are the amount fed, for they are used merely for an illustration.

Then by observing these guinea pigs it is possible to determine the least amount of the toxin that will kill a guinea pig of 250 gms. weight.

Then this standard toxin is injected into a sound horse after he has been thoroughly washed and antiseptized. At first a small dose is used, but gradually the dose is increased until the horse is enabled to withstand a dose which would kill 1,000 ordinary horses.

Then the horse is bled. At no one time is enough blood taken from the horse to produce any serious effects, tho he can be bled once a month for quit a long period.

The blood is then set aside in cold storage and allowed to form a clot which separates the solid matter in the blood, and by filtration this solid part can be removed leaving only the serum highly charged with antitoxin, then the serum is set aside in cold storage until they are perfectly sure that the horse from which the blood was drawn is not going to develop any bad symptoms.

Then the serum is filtered thru unglazed porcelain and sterilized, and is then ready for standardization. This is done by mixing the antitoxin with standard toxin in varying quantities and injecting this into guinea pigs and then by observing the results upon the guinea pigs the relative strength of the antitoxin can be determined.

The serums are then examined with a microscope to make sure that there are no other bacteria in the solution. The serum is then put up in small glass containers for use at the bedside so that any physician can readily inject it into his patients. This is usually done by injecting it immediately beneath the skin. In this operation the most important thing is to secure cleanliness, if cleanliness is not secured bad results are liable to result.

Vaccine was next taken up and there were slides to illustrate the operations. Vaccine is obtained from heifers that are always in the prime of condition. It is obtained by the laceration of the under surface of the abdomen and the rubbing in of seed vaccine. After the sores have developed to the right extent they are opened, pulp from them is taken, dried and ground until it is a thoroughly homogeneous mass, it is then mixed with glycerine and tested.

These tests are of two kinds, first for the presence of any harmful substance, second for activity. The safety test is taken by injecting into guinea pigs, and also by developing upon a culture and testing with the microscope, if these tests show the vaccine to be all right, it is put up in these little tubes that we are familiar with.

Of course in the use of vaccine the utmost care has to be taken to keep things clean or bad results are liable just as in any other surgical operation.

After this lecture Prof. Ziefle had some specimens of serums put up by Parke, Davis and company and some diphtheria cultures grown by Prof. Beckwith. These were passed around among the audience so as to give them an idea of what those things looked like. After the talk by Prof. Ziefle,

Dr. Van Es gave an interesting talk on the uses of serum. He stated that these diphtheria antioxins were used with greater success in some cases than in others, in Copenhagen where they give these antioxins a thorough trial on one kind of diphtheria the mortality in the cases where no antitoxin was used was 7 per cent and in these in which antitoxin was used the mortality was only 2 per cent. In another kind of diphtheria the mortality without antitoxin was 35 per cent, while where it was used the mortality was only 8 per cent.

Dr. Van Es then gave a few rules for the best use of antioxins. It should be used only after a correct diagnosis, in order to avoid the results of serum sickness. It must be used early in the case to get the best results. Dr. Van Es thought that by concentrating the antitoxin so as to give a smaller dose of serum for a given dose of antitoxin, and by giving each injection from the serum of a different animal that the bad results from the use of antitoxin could be eliminated.

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Cornell offers a one hundred dollar prize each year for the best poem produced by a student during the year.

The annual class scrap at Nebraska will consist of a Marathon race, wrestling matches, boxing and a battle royal.

It has been decided by the Sophomores that the freshmen girls at Barnard must go puffed and ratless.—Ex.

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PERSONAL

Walter Knoop who has been at the St. Lukes hospital the whole of last week is convalescent and expects to be up and around this week.

Miss Margart Keene was the guest of Miss Lulu Challey for supper last Wednesday night.

Mr. Hoverstad judged corn at the corn growing contest at Valley City Saturday, taking Mr. Randlett's place. Mr. Randlett was unable to be there because he was judging corn at Carrington.

Miss Margaret Day of Fargo college was the guest of Miss Beatrice Alm, Sunday.

Pres. Worst has been invited to address the Educational association at Cando on Friday of this week and will probably accept the invitation.

Dean Ladd has been requested to go to Pennsylvania to testify in certain pure food cases that have come up under the food laws of that state and will probably leave for the east within a few days.

Mr. Ates of the U. S. Geological department spent two days at the college last week. While here he made a careful study of the paint experiments being carried on here.

The importance of the Dry Farming Congress at Billings is shown by the fact that representatives were there from twenty states, Canada and Mexico and even from Palestine and Russia. Students from the Montana state college at Bozeman were out in force.

Mr. Sanderson, the college miller gave the class in feeds and feeding an interesting talk on the by products of wheat Thursday morning.

The party who carried away a large geological report from the stairway in front of Science Hall will please return same to Prof. Willard.

The bursting of a steam main caused havoc under Science Hall last week. The steam came through the floor, warping it and causing considerable damage to the large bird specimen case in the Zoology room.

Prof. Bell received a fine assignment of Embryological material for demonstration work in Embryology and Veterinary.

WANTED.
Wanted—To know if you're going to Moorhead to buy an overcoat at the "Hub."

Mr. P— was walking with HER and her little brother through the park, when the youngster dropped the hammer which he happened to be carrying. A benevolent lady stopped them, "Pardon me," she said sweetly, "but your little boy has dropped his hammer."

Mr. Sanderson took a rather serious fall from his bicycle the other day which resulted in some very painful injuries.

A number of the faculty are going to Mayville to attend the convention of Mathematics and Science teachers. Prof. Bolley is the president of this organization. Among the party are Profs. McArdle, Smith, Bolley and Willard.

Miss Ruby Healy visited her friend Miss Abel during last week.

Mr. Brandenburg is assisting Dr. Van Ess in the veterinary laboratory.

Mrs. Hammond spent Friday with her sister, Mrs. Marshall.

Mr. Morton, our state food inspector returned from an extended trip through the state Saturday.

Several girls seized the opportunity to make use of one of their nights out, and attended the play Thursday night.

Prof. Richards was absent from classes Wednesday morning.

Prof. Worst delivered the Memorial address before the Eastern Star Sunday afternoon.

Mr. Albert Wold, an editor of the University Student was on the A. C. campus Friday afternoon and while here paid the Spectrum office a very pleasant visit.

Mr. R.: "Yes, I saw you in the 'nigger heaven' and I tried all through the show to wink at you—or I should say I tried to keep Miss— from winking at you."

Young hopeful in chemistry lab. "Say professor have you any specimens of atoms or molecules around that I could look at."

The class in inorganic chemistry had the first quiz Tuesday and have not yet fully recovered from the shock of finding how little they really do know.

WANTED.
Wanted—Male help to wear L System clothes—call the Hub, Moorhead.

V. C. Parker left for Winnipeg Wednesday night to take up his new position at that place. He promised to drop a line to the Spectrum occasionally to let his old friends know how he was progressing in his new location.

The Junior engineers did some frigid work on their railroad survey last week but now have the satisfaction of seeing the work nearly completed.

It takes some nerve to get basket-ball suits, supposedly for practice purposes and then wear them to a masquerade as a joke.

Miss Heidner was able to resume her studies last week after an absence of over three weeks on account of illness.

Mr. Hoverstad made a business trip to Grand Forks last Thursday. The Farmer's Institute Annual is being printed by a firm in that city. The difference in the bids for printing this annual are very interesting, they varied from \$2,000 by a Fargo firm to \$1,250 by a Grand Forks firm.

Miss E— "Mrs. Marshall may I go to church this evening?"

Mrs. M— "Who with my dear?"

Miss E.— "Mr. Dynes."

Mrs. M.— "Oh, Professor Dynes, certainly my dear."

Miss E.— "No only his brother."

Well, at any rate there were a few Faculty Members out at the "All-College Reception." And it is reported at this office that at the "Athletic Jubilee" they fairly eclipsed the student body.

The conundrum at the dormitory is "Who revised the rules?" Well who ever did it can print, though they surely cannot spell. All those wishing to learn the correct spelling of such words as Saturday, Wednesday, etc., will do well by equiring of the "Junior Faculty."

It is rumored that a number of the Junior Faculty have organized a mutual assistance dancing class on the plan made famous by Critchfield last year. No particulars can as yet be obtained but several are under suspicion and the facts of the matter will undoubtedly come to light in the near future.

The regular State Pharmacy examinations were held at the College on Tuesday and Wednesday of last week. The percentage that passed of those who tried the examination was quite large, fifteen being successful of the seventeen who entered.

Prof. Zeifle tried the pharmacy exams last week and is now a registered pharmacist in this state.

MARK TWAIN ON THE MOVE

When Mark Twain was a young and struggling newspaper writer in San Francisco a lady of his acquaintance saw him one day with a cigarbox under his arm, looking in a shop window.

"Mr. Clemens," she said, "I always see you with a cigar-box under your arm. I am afraid you are smoking too much."

"It isn't that," said Mark. "I'm moving again."—Woman's Home Companion.

A small boy went into a South Boston drug store, wrinkled his face, rubbed his left foot up and down his right leg in an effort to remember something that had escaped him.

"Say," he began, "will you tell me the name of the place where we Americans have so many soldiers?"

"Fort Sheridan?"

"Oh, No. It's farther away than that."

"The Philippines?"

"That ain't just it, but it's somewhere around there."

"Perhaps you mean Manila?"

"Manila! That's right! I knew I would get it after a while. I want a bottle of manila extract for flavorin'. They're goin' to have ice cream."—Ex.

The University of Utah is doing a little advertising on the hills. The university is located in the foothills, and up on the mountain ridge gleams the white letter "U" somewhat on the order of the "K. S. A. C.," that greets one's eyes over on the rugged side of Blue-mont.

Down in Texas at the University about eighty students are living in tents because of the great influx of students.

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FARGO COLLEGE WINS FROM A. C. ELEVEN
 (Continued from page 1).
 Much criticism has been expressed over some of the decisions of the officials. In regard to this The Spectrum ventures no comment suffice it to say that most of our readers saw the game and are competent to draw their own conclusions. At any rate we fought for every inch and our team deserves great credit. Below is the line up:
 Final scroe, Fargo College, 11; A. C. O.

| | | |
|-------------------|-----------|---------------|
| A. C. | le | F. C. |
| Ewen | | Trost |
| | Musberger | |
| Williams | lt | VandeBogart |
| Olson | lg | Maenamara |
| B. Haskins, Capt. | c | Hornier |
| McDonald | rg | McDonald |
| W. Haskins | rt | Perry |
| Anderson | re | Munson-Torson |
| Darrow | qb | Singsby |
| Foss | lhb | C. Poilock |
| Ueland | fb | Bayard, Capt. |
| Wirtenberger | rhb | Callander |

 Officials—Referee, Coach Darnier, Wahpeton Science School, (Ohio State); Umpire, Ritchie, Valley City, Normal, (Wisconsin) Field Judge, McConville, (Wisconsin); Head Linesman, Tierney, (St. John's.)

During the last ten minutes of play in last Saturday's foot ball contest, Capt. Haskins collided with Pollock, knocking Pollock out completely for a time and smashing the Captain's nasal organ so that splinters of bone projected on each side. However he was game and stuck to it until the half was up. When he reached the Gym, owing to the severe physical strain that he had just passed through and the pain he was enduring the plucky Captain collapsed. Dr. Bailey set the bone before he left the gym. and it is hoped that he will experience no further evil results.

SEEDMEN DISCOVER DODDER.
Most Obnoxious Weed Is Found in Clover and Alfalfa Fields of This State.
 It has been the contention of some seedsmen that the various species of dodder, a pest which attacks clover, alfalfa and other leguminous plants, would not produce mature seeds in this climate, therefore that there could be no trouble coming to the farmers who might chance to buy clover seed or alfalfa seed which contained the seeds of dodder.
 The North Dakota seed law prohibits the sale of seed containing dodder in the state. Grass seed,

forage seed and other agricultural seeds must not contain the seeds of either Dodder, Canada Thistle, Sow Thistle or Quack Grass.
 Some of the seed merchants thought we were making an unreasonable demand when we asked that the dodder be barred. We have taken some trouble this year to look up the matter as to whether dodder ripens seed in this state, and are not greatly surprised with the results. We have received samples of mature dodder from Williams county, Adams county, McLean county and Burleigh county, and have collected it in Cass county, Pembina county and large masses at Winnipeg Beach, which is considerably north of Winnipeg. One or two farmers have reported it as destroyed entire crops of alfalfa.
 It is difficult to determine the dodder seed from clover seed, but at the State Seed Laboratory we will gladly examine any samples of seeds that farmers or seedsmen may send in and will report results, and hope eventually to do much good.
H. L. BOLLEY,
 Commissioner,
 North Dakota Agricultural College.

THOUGH LIFE WERE ALL
 Though life were all,
 And its cessation silence, night the grave;
 Yet from our lips no note of fear should fall:
 Dear Heart, be brave!
 Though this dim hallway down which mortals go
 Lead into night,
 Wide all its windows to the Sunshine throw—
 Live in the Light!

Though through the star-flecked spaces ne'er should flit
 This thing that men call Soul!
 Though birth and death and daily bonds encompass it,
 Life still were whole.
 Still flowers bloom, the winds go singing by
 The songs that Eden heard;
 Deed unto deep of longing makes reply,
 Still Soul by Soul is stirred.

All that man longs for potent in life is
 Joy, labor, love, content—
 Though else were silent all eternities,
 With these, thy Soul well spent!
 Just for today, Dear Heart, live large of Soul;
 Just for today walk where the Light streams fall;
 For so to live, itself were recompense and goal,
 Though life were all!
 —Hugh J. Hughes in October Century.
 Miss Fanny Le Gro, principal of one of the public schools of Minneapolis, is visiting with her neice, Mrs. Richards.

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