

THE WEEKLY SPECTRUM.

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NORTH DAKOTA AGRICULTURAL COLLEGE TUESDAY APRIL 4, 1911.

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The Lake Geneva Students Conference

WHEN?
WHERE?
WHAT?
WHY?

The Annual Student Conference for the men in the colleges of Indiana, Illinois, Iowa, Minnesota, Missouri, North Dakota and Wisconsin will be held at Lake Geneva Wisconsin June 16 to 25, 1911.

Immediately following the closing of schools in June representatives from the colleges of the above named states gather at the Y. M. C. A. camp for ten days of recreation, fellowship and instruction in the great questions of life. From the standpoint of ideal surroundings it would indeed be difficult to find a location more pleasing and better adapted for college men.

Situated seventy miles northwest of Chicago is Geneva — "The Queen of American Lakes". It is eleven miles long and a mile and a half wide, the shore line bending in and out, causing numerous bays which add greatly to its beauty. The water in the lake is perfectly clear, making it possible to see the fish swimming twenty and thirty feet beneath the surface.

The Lake is surrounded on all sides by beautiful hills covered with various kinds of large trees, which in June are always at the height of their beauty. Another feature adding greatly to the beauty of the place is the fact that many of the wealthy citizens of Chicago have erected magnificent summer homes, which now completely encircle the Lake.

The Young Men's Christian Association owns a strip of ground on the north shore, which is conceded to be the most ideal location on the Lake. On the grounds several large buildings have been erected, including an auditorium, a gymnasium, dining hall, and general assembly building. Back amongst the trees, are located about seventy five tents, large and spacious with room for eight fellows, in each, where they sleep and make their headquarters during the convention.

Back of the camp on the hill is the large Yerxes Observatory which is, with one exception, the finest of its kind in the world. One afternoon is spent by the delegates going thru this great institution of astronomy.

Any one going to Geneva for a mere good time will be disappointed for the fellows work and work hard while there. The forenoons of each day are taken up by class work, including intelligent discussions in Bible and mission study, delegation meetings, conference hours for consideration and questions relating to the work of the Y. M. C. A., discussions of problems relating to the average college man, and the listening to platform addresses, lessons are assigned and every man is expected to be on hand and to do his share in making the forenoons a time of real helpfulness and value to the fellows assembled.

However the time is by no means all spent in study and conference. The afternoons are given over to all forms of recreation, including rowing (the boats are free) canoeing, fishing, swimming, tramping thru the woods, tennis tournaments and base ball games. All athletics are run off on a state basis, each State holding its preliminary contest and choosing a team which will best represent it in the finals. Last year the North Dakota boys made an excellent record, considering the size of their delegation. They won second in the tennis singles, third in the doubles and came out second in the baseball championship series.

One of the greatest helps and lasting impressions is a result of the fellowship enjoyed by those college men. Here we find mingling together, men of different colleges, men of different states, with a common purpose, that of developing into "the all around man, physical, mental and moral".

It is safe to say that there never has been a Geneva conference with as strong a program arranged as the one for next June. For the first time during its history, John R. Mott and Robert E. Speer will be at the Conference together. Dr. Charles A. Barbour and Bishop McDowell will also be there to address the students and talk over in personal interviews "those problems which every college man must face".

It is impossible to give any thing like an adequate description of the ten days spent at the Lake or to foretell what it will mean to those who are so fortunate as to attend. Suffice it is to say that the world has been bettered by men

Mercer Becomes Member Of Experimental Staff

RESIGNS POSITION OF CANBY HIGH SCHOOL TO ACCEPT POSITION IN BIOLOGICAL DEPARTMENT.

The old combination of B's, tho somewhat broken into of late by new additions to the working force, is in part to be revived in the Dept of Biology.

Mr. William Mercer, known to all his old friends at the A. C. as "Bill" returns to accept a position of assistant in the Botanical Department of the Experiment Station. Mr. Mercer is a graduate of the A. C., and during his college work did special work in the Botanical Department and was for a number of years assistant to Prof. Bolley in his plant breeding work.

After his graduation Mr. Mercer accepted a position as teacher of Botany and Agriculture in the State Agricultural School, located at Canby, Minn. Mr. Mercer, not only made good in this work as a teacher, but had a very considerable success in cooperative experiments in association with farmers who were thus caused to take much interest in the work of the Canby High School.

The department of Botany of the A. C. is to be congratulated on being able to have Mr. Mercer return for the purpose of assisting Prof. Bolley in the plant breeding work in the plant disease gardens.

Mr. Mercer is not only proficient in agricultural lines but is a careful student of plant diseases, and has been thoroughly trained in all the lines of field work connected with the experiments as conducted by Prof. Bolley. Mr. Mercer will have charge of the general field experiments and will especially aid Prof. Bolley in the breeding of flax and wheat which is disease resistant.

Bailey Secures Samples From Gallatin Valley

Mr. Clyde Bailey of the Dept. of Grain Standardization has been on a two weeks trip thru Montana, visiting Gallatin Valley, Judith Basin, Bozeman, Helena, Miller City and other points. The object of his trip was to investigate the quality of Montana wheats and to ascertain as much as possible about the general wheat conditions of that section. Eastern buyers have discriminated against wheats from Montana and Mr. Bailey is sending in several samples to the Experimental Mill for the purpose of carrying on an extensive analysis to see if possible whether or not the discrimination is justified.

College Secures A Blue Ribboned Animal

The animal husbandry department recently bought a pure bred Percheon mare from Ellingson Bros., of Lamoure N. Dak. The animal is an equine beauty and comes here with a show yard career backed by blue ribbons that is unequalled by any other animal in the state. Mr. Ellingson delivered her here last Tuesday and spent several hours visiting with friends among the faculty. He dined with Prof. Richards at Ceres Hall Tuesday noon.

"Dutch", otherwise known as Captain Schroeder returned Friday after a few days pleasantly spent at the Twin Cities.

whose ideals have been raised and whose responsibilities have been deepened by the messages and fellowship of the Lake Geneva Student Conference.

Last year the A. C. was represented by five men. The aggressiveness and the enthusiasm with which they have gone in to the work in the local Association this past year is a sufficient comment in the practicability of sending men to represent our school at this gathering. The fellows generally pay about half of their own expenses, the other half being raised by the Association and loaned to them until they finish College, when it is paid back without interest. Thus in a few years we will have a perpetual fund sending men to the Conference. This year we hope to send even more than we did last year and if some of the "Y" fellows should happen to suggest that we ought to help them out a little toward sending down a good bunch, lets feel that it is an opportunity to be able to contribute to this fund, which is bound to mean so much to the fellows and to the school.

A Former Member Of Faculty Passes Away

DR. CLIFF WHO WAS WITH THE VETERINARY DEPARTMENT DIES AT HIS HOME IN PARK RIVER.

The many friends of Dr. Cliff were shocked at the news of his death received by wire to Pres. Worst on Wednesday morning.

Dr. Cliff was one of the best known veterinarians in the state having built up an extensive practice at Park River. Dr. Cliff was a school mate of Dr. Vanperes at the Ontario Veterinary College. Prior to accepting the position at the head of the Physiology Division in the Veterinary Department here, Dr. Cliff took a two year post graduate course in his chosen line at the Chicago University. Coming here at the commencement of the winter term of 1910. On account of ill health he was forced to resign at the end of the same term. During his brief stay with us he built up a host of friends both in the faculty and in the student body, who were sorry to hear of his departure.

During last summer he underwent a successful operation for the removal of Renal Calculi. While in attendance at the Veterinary Convention, during January which was held here, he said that it had been several years since he enjoyed such fine health.

But during the last few weeks he had not been well and limited to his family that he might be taken suddenly almost any time. While about the duties of his home Monday morning he was suddenly stricken with apoplexy and passed away in a short time.

He is survived by a wife and three children.

Dr. Robert Cliff's life speak for itself and needs no commendation by others. Among those who knew him best, he was a kind father, loving husband and true friend.

The funeral was held last Thursday afternoon from the Methodist Episcopal Church of Park River.

The sympathy of the faculty and student body goes out to the bereaved in their sorrow.

Prof. Weeks Reads Physiological Paper

BEFORE MINNESOTA PSYCHOLOGICAL CONFERENCE. BIG BANQUET AT ST. ANTHONY COMMERCIAL CLUB ROOMS.

Prof. Weeks, head of the department of Education, returned Saturday morning from attending the third annual meeting of the Minnesota Psychological Conference. This conference was held at the University of Minnesota. A number of very important psychological papers were given. Prof. Weeks presented a paper before the conference on the subject "Surprise and Thinking". In the evening a banquet was held by the city superintendents of the state of Minnesota. The banquet was held at the St. Anthony Commercial Club rooms and about 125 were in attendance. This event too proved to be highly instructive for 'twas here that a good general view of the general educational progress of Minnesota was secured.

Floyd Caldwell Called Home By Death Of Father

The many friends of Floyd Caldwell were sorry to hear of his father's death last Tuesday evening. Mr. Caldwell was hit by the westbound Oriental Limited and instantly killed last Monday evening at Ashby Minnesota, his home town. Mr. Caldwell was walking along the track. The engineer is said to have blown the whistle, and Mr. Caldwell stepped off the track, but apparently decided he would have a better place to stand on the opposite side and attempted to recross. He had misjudged the distance and was hit by the rapidly moving train, which hurled him from the track and killed him instantly. The freshman class of which Floyd Caldwell is a member contributed flowers.

The Spectrum together with the many friends of Floyd Caldwell extend our sympathy to him in his bereavement. It is reported that he will not return for the spring term of school.

Prof. and Mrs. Richards were Minneapolis visitors last week. Mrs. Richards is to remain for a time visiting with her parents.

Prof. Beckwith Talks On Purification Of Sewage

DISCUSSES DIFFERENT METHOD FOR DISPOSAL OF SEWAGE BY BACTERIOLOGICAL PROCESSES.

Last Wednesday occurred the second meeting of the Polytechnic Society that had the subject of Sewage Disposal under consideration. Prof. Beckwith addressed the society on the Bacteriological Purification of Sewage.

In the first place, Prof. Beckwith outlined the five general processes by which the harmful ingredients of sewage are eliminated. The first one was oxidation which is brought about by certain bacteria. The second process was the common method of dilution by which the sewage is mixed up with a large amount of water thus greatly increasing the volume of the sewage but making a certain quantity of it less harmful and less apt to contain as many bacteria for a given volume.

The third process was by sedimentation when the refuse is allowed to settle while the clear water passes on from the surface.

In the fourth process bacteria, as the typhoid bacillus and others requiring a warm medium were thrown into competition with numerous other bacteria which were adapted to cold water and therefore the typhoid was gradually crowded out.

The last destructive process to sewage and bacteria was light which is the greatest enemy of all the harmful bacteria especially the typhoid bacteria which are the index of the purity of water for drinking purposes.

Prof. Beckwith next took up the different methods for disposal of sewage so as to make it comparatively harmless. The septic tank was the first to be discussed. Here the sewage is left in an airtight tank for twelve hours where anaerobic bacteria, or those that live in the absence of air, destroy the organic in the sewage and liquefy it and the residue each other until the most of these even are removed. This method is from 30 to 60 per cent but is subject to explosion from the gases it produces and it entirely inefficient where the water contains sulphates.

The intermittent sand filtration is the most efficient of all having an efficiency of 99 per cent. Here the water flows thru a bed of sand which is cleaned quite often by washing it with water. Here the purification is accomplished by the denitrifying bacteria which by a series of processes change the decaying matter to nitrites and then to nitrates which are harmless.

In the contact method for the purification of sewage it is allowed to flow over slag, coke or some other substance. Here the protoplasm of the bacteria strike the substance with which it comes in contact and are destroyed by the denitrifying process. This method is 83 per cent efficient.

The percolating filter was the last method discussed. In this filter the sewage falls on slag in a spray. The purification is accomplished in much the same manner as in the last process mentioned and is about as efficient being 80 per cent efficient and if the effluent is treated with copper sulphate or chlorine is even more efficient. This is the cheapest method of any of those described above so is perhaps the most practical of any for the purification of sewage.

In this lecture Prof. Beckwith discussed this problem in a clear concise manner so that he was easily understood by all present and still he brot out all the different methods of sewage disposal so well that they were not forgotten by those who heard him.

The next meeting a week from tomorrow will be addressed by Mr. McMeans of the horticultural department on "Vegetable Seed Growing in America."

NOTICE!

There will be an important meeting of the Senior Class in Room M, this afternoon at 4:30. Matters of utmost importance will be brot up. Every members should be there:

H. M. DOGE,
Pres.

Prof. Richards called a meeting of the N. Dak. Live Stock Association, to be held on Monday forenoon at Pre. Scott's office. The purpose of this meeting is to confer with the officers of the state fair associations of Fargo and Grand Forks, regarding the arrangement of the premium list for live stock of these fairs and to discuss other business of mutual interest.

Athletic Schedule For Spring Term Announced

FINAL REVISION AFFECTED MAY SECURE A GAME WITH JAPS.

The revised schedule of the baseball season is as follows:
Apr. 24 Concordia at A. C.
Apr. 29 Wahpeton at A. C.
May 5 Park Region at A. C.
May 6 Concordia at Mhd.
May 11 Macalester at A. C.
May 18 U. N. D. at A. C.
May 25 Fargo College at A. C.
May 22 Wahpeton at Wahpeton
May 24 Macalester at St. Paul
May 23 U. of M. at Minneapolis
May 27 Park Region at Fergus Falls
May 31 Fargo College at F. C.
June 3 University at Grand Forks.

There will be three track meets this year as follows:
High School Meet May 13,
A. C. Track Meet May 20,
Dual Meet between University and A. C. at Grand Forks June 3.

About a week ago the manager wrote the management of the Chicago University who are booking the trip for the Waseda University baseball team of Tokyo, Japan, for one or more games of baseball to be played here on their way thru. As they are playing the foremost colleges and Universities of the country, on their tour, it will be a recognition of our athletic achievements should we be able to book one game or more with the little men. As yet, however, our manager has received no response.

Junior Annual Soon Ready For The Press

WILL BE THE BIGGEST AGASSIZ YET PUBLISHED.

Altho the report in the Forum last week stating that all the copy for the Agassiz had gone to the printers was erroneous, the first consignment of material did go last week.

The finishing of the pictures for the cuts has required considerable time but a large portion of them are now ready and have been sent to the engravers. The others are expected to be ready in a short time.

This year's annual will probably be out about the middle of May unless it is detained in printing or in some other unavoidable way. The book will be the largest annual ever published at this institution. The best engravers and printers in the northwest have been secured to do the work on it and the book will be bound in half leather. All these things combined make the book more expensive than any ever published at this institution in the past, so that the price had to be raised a little higher this year than formerly. As the contents of the book promise to be as good or better than that of any previous annual, there should be no complaint about the cost of the book. The institution is growing and it is only proper that the Junior Annual should grow with it and the juniors are making every possible effort to make it grow.

No students who pretends to have the least spark of college spirit should leave the institution without securing one of these volumes.

Chemical Department Will Experiment On Fertilizers

The Chemistry Department inaugurated a new series of experiments on fertilizers this week. The experiments will be carried on in connection with the Buffalo Fertilizer Co. who will furnish 250 tons of fertilizer for the experiments. Prof. Ince spent the end of the week at Matador near Hankinson where is located one of the fields where the experimental work will be carried on. Late this week work of a similar nature will be undertaken at Clifford. The chemist for the Buffalo Fertilizer Co. will help supervise this work. These experiments will be for the purpose of determining what value if any may be derived for the use of different kinds of fertilizers in this state.

During the winter months some of the Seniors conducted a number of experiments on the production and cost of electric lights as generated by a gasoline engine. During the spring term this work will be continued by another class with the exception that a study of light producing capacities of different engines will be made.

Rafsky Leaves N. D. A. C. For Portland, Maine

ACCEPTS POSITION AS CHEMIST FOR CUMBERLAND PAPER MILLS.

Mr. Rafsky who has been connected with the Chemical Dept. since last September has resigned his position here and left last Sunday for Portland Maine where he will become the head chemist of the Cumberland Paper Mills.

He graduated from the College of Chemistry at Harvard last year and while there he made an enviable record as a student, he being a member of the Phi Beta Kappa Fraternity which is an honor bestowed upon only those who possess exceptional ability as students and class men.

During the short time he has been with us he has taught classes in Farm Husbandry Chemistry, High School Chemistry, Chemistry II and Qualitative Chemistry. Also he carried on some research work in the ashing of textiles and their mineral constituents. All of the students who took work under him speak highly of him and he made a host of friends who regret to see him leave. He liked teaching very well but technical work offered him a larger field for advancement.

Prizes Given To Farm Husbandry Architects

During the winter term Sayre and Co. of Chicago provided Prof. Martin of the Dairy Dept. with five prizes which were to be awarded to the members of the Farm Husbandry Class that were able to produce the five best plans for a general farm dairy building. The members of the class entered heartily into the contest and the results of their efforts were made known last week. The plans were submitted to the judgment of Prof. Dolve of the Farm Mechanics Dept. From the list he selected those meriting the awards. Those who were successful were J. S. Dawson, Allan Andrews, Lloyd Even, B. F. Krueger and H. B. Bassingthwaite.

Castalians And Hesperians To Meet In Wordy Battle

WILL DEBATE THE CAPITAL PUNISHMENT QUESTION IN THE ARMORY NEXT FRIDAY EVENING.

The Castalians and Hesperians will clash in a battle of words next Friday evening April 7th at 8 o'clock in the Armory when they will debate the question: Resolved: That capital punishment should be abolished.

The girls selected to debate for the Castalians are Rizzah Ladd, Mabel Erickson and Barbara Heidner. Those who will represent the Hesperians are Worth Couey, Harold Bachman, and Jack Kerr.

This will be the first important literary event of the term so it should be patronized by nearly all the students here. After the debate it is the intention to hold a social session for all the students present.

There is a possibility that Opie Reed the prominent novelist and lecturer, will be secured to take the place of Champ Clark in the lecture course. If Mr. Reed is secured we will have an attraction which will be one of the best numbers on the course.

Charles Michels who is now the instructor in agriculture at the Fergus Falls Agricultural High School took advantage of his spring vacation to visit his friends at the college.

Dan Cupid has just stolen one roommate from Grover Edwards in the person of Mr. Lynch. Mr. Edwards was now congratulating himself on securing another chum which he was positive would not desert him. It seems, however, that he is doomed to disappointment for this biologist had no sooner packed away his baggage before he took the train for Medford, N. Dak. Mr. Edwards is hoping that "Bolley's Bill" will return unaccompanied this time.

Lovers of flowers will make no mistake by calling at the greenhouse at the present time. A large array of flowers are now in bloom and present a beautiful sight. Among those that are particularly noteworthy on account of their beauty are the cinerarias. Visitors at this place are always welcome.

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The desire to obtain an education is possessed by many. There are those however who find the problem of financing their way thru college rather a perplexing one. A considerable number of our students are solving the problem and earning enough money to meet their necessary expenses while adding to their education. Various down town firms and private citizens offer students odd jobs to provide them with enough money to meet their present needs. Then too the college wherever possible gives odd jobs to the ambitious self supporting student.

All the possible ways of financing a student thru college have not been exhausted, for instance it is quite safe to say that a student equipped with a good camera and one who is able to produce high grade work would find his services in good demand right here at the college. Most of the institutions the size of ours have an official college photographer. With the departure of Prof. Churchill this institution is left without one who is skilled or can be induced to undertake photographic work. During the course of the year a good many pictures must of a necessity be taken. For instance on the experimental data. As the situation is at present a man to do this kind of work is not near at hand nor easily procurable when wanted. Here would be a fine opportunity for a student who could do this kind of work well and one who is seeking an opportunity to secure an education yet is embarrassed for lack of means. There is little doubt but that a student skillful in this kind of work could find enough employment from the different departments to keep him in school the year around.

Some of the high officials of our government a short time ago rather took the country by surprise in having a large part of our army transported across the continent and stationed at the Mexican border. A satisfying reason for so doing has not yet arrived meanwhile civilization has looked on and wondered. Not a few have wondered if the move was necessary and would justify the great expense. Not a few are speculating as to what will be the end of nations whose war and peace expenses keep on multiplying. Speaking of peace expenses but confining itself to European nations the Butte News says:

"In these piping times of peace it is strange to stop and consider what war and preparation for war has cost.

Since 1885, a period of twenty-five years, it has cost Europe to maintain its armed peace-footing the prodigious sum of \$29,000,000,000, this apart from the cost of wars actually fought. Meantime the public debts of the European nations rose from \$21,000,000,000 to 30,200,000,000. This heavy burden, saddled on posterity, menaces the people of the future with bankruptcy. One noted French economist says that disaster is inevitable, for this stupendous aggregate of obligations can never be paid.

The half-way remedy would be to scale down national debts, a proceeding that would ruin hundreds of thousands of comfortably positioned people.

Armed peace costs tremendously and every effort should be made by nations boasting of being civilized to reduce the size and expense of armaments.

It is authoritatively stated that all the wars of the nineteenth century, prior to the years 1885, cost less than one-half the enormous amount spent to keep the peace in the last twenty-five years.

France in the 218 years preceding 1872 fought wars costing her \$5,000,000,000, but the armed peace of the last twenty-five years has cost her \$7,500,000,000.

Great Britain in the 215 years preceding and including the Crimean war spent for warlike purposes \$6,800,000,000, but a quarter of a century of armed peace has cost her more than this.

These are facts not to be blinked out of sight, and they serve to explain in part the inability of civilization to get rid of poverty, and to lower very sensibly the death rate. The \$20,000,000,000 spent in war preparations since 1885 would have established great colonies for the relief of congested old-world

populations, would have gotten rid of slums, and given a sound education.

The above figures should arrest the attention of every young man and particularly college men. If our present tendencies go on unabated the future is not of the most luminous character. Young men of today and tomorrow cannot help but feel, either directly or indirectly the effect of some of the present regrettable tendencies. These are personal in their effect and should be given careful study.

"And the hopes of youth fall thick in the blast". And the prospects of today fade away and are gone tomorrow. Last week not a cloud overshadowed the musical department. This week gloom prevails and the prospects are dark indeed. In last week's issue where chronicled the fact that prospects in the musical department were never better and this week we are able to as truthfully state that, for some purposes, the musical prospects were never worse. The Opera Pauline which was to be presented in the near future is not to be. This is due to the fact that unexpectedly a number of the leading characters have for various reasons been called away unexpectedly. Mr. Holt one of the most prominent members was called home because of important business matters and cannot return; Mr. Caldwell, another leading character, also finds it impossible to be here during the spring term owing to the unfortunate death of his father. Mr. Sjurseth also has found it impossible to return for the spring term. With the above mentioned gentlemen gone and constituting as they did in part the frame work of the opera it is now found necessary to call the opera off entirely, it now being too late to repair these losses. Naturally Dr. Putnam, under whose direction the opera was to be given, feels somewhat despondent but should remember that "in to each life some rain must fall; some days must be dark and dreary".

Prof. Arvold returned from his trip to various points in the East Sunday morning. On this trip he visited the Twin Cities, Wisconsin University, Chicago and Chicago University and many other points of interest. He interviewed some of the most prominent bankers and other men on the bank question for the benefit of the debating teams and gathered a large amount of information in the form of bulletins and otherwise which will be of immense value to the department of public speaking besides making arrangements for some publications which will appear in the future. He also had a chance to observe the great struggle in the mayoralty contest now going on in Chicago and to secure some noted speakers for future engagements at the A. C. Prof. Arvold is very enthusiastic about his trip and the splendid success he had every place he went. His only regret is that pressing class duties made it impossible for him to stay as long as he wished to remain away.

One of the pretty little social events of the year recently last Friday evening when the Misses Griffin and Thompson entertained themselves at their apartments on the North Side. The general plan of the decorations for the event were characterized by simplicity and stood out as a rebuke to the extravagances often indulged in a modern social functions. Covers were laid for two. Pale Ceylon refreshments and wafers served to allay the physical needs while the intellectual cravings by the works of Mary Baker Eddy and the general observations of the opposite hostess. The entertainment thruout was characterized by smoothness and perfect agreement on all matters that naturally arose for discussion. At a late hour the guests retired voting the other hostess a most charming entertainer.

The report that the faculty would have a base-ball team this spring, which gained such gigantic proportions and was backed by every enthusiastic "has been" on the faculty role must have died a natural death. The fever was premature and ran a natural death course, when the outdoor weather forbade such antics, but now with the approach of warm weather the faculty have not recovered from their last depletory attack, so it is possible that they will not organize. There is no reason why the faculty should not be represented on the diamond with the material that is in their rank. Games could be arranged with the business mens organizations in the city and probably with Fargo College and the University faculty. Then again they would be in trim to trounce the seniors, a required accomplishment which should be administered scientifically.

Chas. I. Booth one of the Farm Husbandry students returned Friday from Minneapolis, where he has been spending his vacation. Mr. Booth is to spend the season at the Sdgely Sub-Station.

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PERSONALS

The baseball team has been working out in the Gym all week and will probably continue to do so for a fortnight or so more. Of course the advantages are not as great as in field practice but they are sufficient to keep up the "pep" until work begins in earnest.

Mr. Congdon of the Food Dept. is on a tour of inspection in the northwestern part of the state. This Dept. will be augmented by the addition of an Assistant Inspector who will soon be appointed as to cover the state more rapidly.

The Committee on Standings of Candidates for Graduation have held several meetings lately for the purpose of ascertaining the standings of the candidates for graduation in the several courses.

Mrs. William Sanderson, sister in law of Mr. Sanderson, our miller, passed thru the city last Friday on her way from Bellingham, Wash. to Washington, D. C. She will return in two or three weeks at which time she will visit with her friends and relatives in Fargo.

Mr. Clyde Bailey of the Bureau of Grain Standardization returned from his western trip on Saturday afternoon.

Peter Kulass who is carrying on some research work on the effect of prairie alkali on cement was called home to Minn. last Wednesday to settle some matters relating to his duties as administrator of his father's estate.

All the twelve hundred students of Washington State College are being temporarily suspended because of some rowdism perpetrated by some of their members on some of the young ladies of the institution.

Eric Martinson is one of the latest of our students to get the automobile craze. He was seen about the campus practicing diligently in his new E. M. F. touring car. As soon as he gets the rudiments of auto driving we expect he will even come around on school days and substitute autoing for the regular campus work. Keep your eyes open girls!

Walter Marshall has been engaged as collaborator in the Dept. of Grain Standardization. This will not require all of his time however and he intends to carry some school work besides.

A considerable quantity of special apparatus is arriving from eastern points which will be installed in Prof. Ladd's private laboratory as soon as the new Chemical Building is ready for occupancy.

The board of Trustees at their last meeting sanctioned the plans and specification of desks and cases for the new Chemical Building as submitted and it is expected that several of the large manufacturing companies will submit bids for equipping the several laboratories.

During spring vacation L. Montgomery met an old equine friend. The carcases deeply expressed the love between the two. During this period of forgetfulness when even pain would not arouse "Monty" from his ecstasy, the old friend gently gnawed off a generous portion of Mr. Montgomery's index digit.

Dr. Harris was a campus visitor Saturday. The doctor has just recovered from a severe attack of pneumonia of seven weeks duration. His many friends are pleased to see him about again.

Mrs. C. P. Brougher of Havana is visiting her grandson and granddaughter Earle and Florence Hunt.

The Lyceum of Engineers received a consignment of new pennants thru the bookstore last week. These banners which were designed by the members of the club, consists of a red field on which is laid out a T square on which in turn is laid out in red the words, Lyceum of Engineers. This makes a banner quite appropriate to the wielders of the monkey wrench and judging by the scowls on their faces as they delivered the coin, must have been of superior quality.

Mr. Heller is making his vacation as long as possible by visiting at his home in Wisconsin.

Edwin Evingson again took one of those weekly trips to Kindred over Sunday.

Miss Moyer left the middle of last week for her home in Moore, Montana. It is regretted that on account of her mother being in ill health she will not be able to return here until next fall.

Mr. O. H. Dolve, an old time basketball star at this institution was visiting with his brother Prof. Dolve last week. Mr. Dolve has just returned from a somewhat extended visit in the west. The past winter was spent at Seattle, Bellingham and Spokane. From here Mr. Dolve returned to his home at Portland, N. D., where he carries on quite extensive farming operations.

Mr. Dolt has been confined to his room with rheumatism for a few days.

Ethel Walker was suddenly taken sick with diphtheria last Tuesday and was immediately taken to the detention hospital. At the latest report she was progressing very favorably.

The Misses Grace and Edith Shelton returned from their home at Mayville Friday morning in time to take in some of the numbers of the musical festival.

Prof. Abbott visited friends in Grand Forks and at the University the first of last week returning in time to take up work with his classes in the English Department.

The Evergreen, a student publication of the Washington State College at Pullman Wash., on the 28th of March issued a highly interesting 16 page sheet commemorating the founding of the Washington State College which occurred 21 years ago. The paper is nicely illustrated with cuts showing the college as it was in the beginning and as it is now. Their beginning was almost as humble and unpretentious as ours. They began in a little \$1,500 wooden school house which they have dubbed "The Crib." The first chemistry class consisted of two members both young ladies. The first graduating class also consisted of two members, one young lady and one young man. That the institution has made a steady growth and is appreciated may be judged by the fact that the State Legislature of 1911 made the following appropriations; For maintenance etc. \$480,000, for the Payallup Exp. Sta. \$30,000, for farmers institutes \$20,000. Etc. etc. Mr. E. A. Bryan has the distinction of being president of this flourishing institution. Our college people will recall that Mr. Bryan delivered one of the convocation addresses here last year.

Among the prominent visitors in town for the music festival were the members of the Sigma Chi Fraternity at the University who with Fortune Martineau of this institution who is a member of that fraternity attended the Schuman-Heinek concert. After the concert they entertained the noted singer at the home of Dr. Rindlaub who is also a Sigma Chi at his home on the south side. Mme. Schuman-Heinek's son is a prominent member of this fraternity.

Prof. Waldron left Thursday evening for Devils Lake where he addressed a meeting of the school directors of Ramsey County on the improvement of school grounds. From there he proceeded to Williston where he inspected the Sub-Station at that place.

We read in one of the Grand Forks dailies that Miss Cecil B. Macdonald, having successfully passed the state board of Pharmacy examinations, has accepted a position as prescription clerk in the store of Mr. Finney at Bismarck. The fact that Mr. Finney was a member of the examining board speaks well for Miss Macdonald's ability. It will be remembered by many that Miss Macdonald was a student here during the past winter term and was one of our popular Dormitory fairies.

Ceres Hall Notes.

The number of girls at Ceres Hall this term is very small as compared with the winter term consequently the amount of news from this section is apt to be somewhat limited.

The Misses Marion and Mable Cox and Beatrice Alm returned Friday noon in time to attend the famous Schuman-Heinek Concert.

Mr. E. C. Anderson of Fargo was a guest of Coach Rueber last Friday evening at supper.

Miss Mary Dolve is among the late arrivals, having spent a very pleasant vacation at her home at Portland, N. Dak.

Mrs. J. Dynes of Gardner visited at Ceres Hall last Friday.

The Shelton girls arrived last Thursday evening but Grace thinks college is not what it used to be in happy days gone by.

The Misses Ruby Head and Lucy Cockburn returned the middle of the week after spending their vacation at Gardner. They report that booming little town as still being a pleasant place to visit.

Miss Alma Erickson expects to return to her home at Niagara about the middle of this week.

Miss Perly and Miss Lewis of Fargo College dined at Ceres Hall last Saturday evening.

The serving club met Saturday afternoon with Emma Welo and Alma Erickson. A new book is now being read which promises to be very interesting.

The first Y. M. C. A. meeting of the term was held last evening when the reports of the retiring officers were given and new officers for the coming year installed.

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PERSONALS

During the spring term a number of the Seniors will be engaged in the designing of a new gasoline engine. Work is already commenced. Complete detail drawings will first be made of the proposed engine and when the drawings are completed these will be taken to the shops where patterns will be made. This perhaps will be all that the class will be able to accomplish during the term. If the institution was provided with a foundry the castings could be made right here by the students, but as it is they will have to be made up outside. However all the machine work on the engines will be done by students in our shops and after the engines are completed they will be added to the equipment of the Gas Engine Laboratory. It is to be regretted that this department is not equipped with a foundry of its own. If it were supplied with one the work all the way from designing to the completed article could be carried on here. The meagre sum of \$2,000 would easily supply this need and it should be forthcoming in the near future.

Supt. G. L. Tibert returned Friday from Greenfield, Nova Scotia where the last three weeks have been spent in visiting. Mr. Tibert reports an enjoyable visit at the place which twenty years ago was his home. As expected many changes had taken place during the 20 years but many of the old landmarks of the country still held sway, namely the old zig zag rail fence. While there and during the return, a number of places of historic interest were visited among them being the scene of the conflict between Wolfe and Montcalm.

Mr. H. J. Hughes an alumnus of this institution and now editor of the Farm Stock and Home spent Thursday at the College. Mr. Hughes has just completed a tour of the Mesaba range country where some agricultural problems were studied.

From the Student, published at the University, we learn that there is great interest being shown in track work. The prospects for a winning team at this institution were never better so it is said. Nearly all of last year's team are out for work, with a number of new and promising candidates. The University seems to expect that all the honors will be carried off by their teams. The men of the A. C. should get out, begin work in earnest and bring disappointment to our aspiring friends. Altho we were somewhat out classed last year it does not necessarily follow that we should fall in behind this year. A victory of any kind however cannot be won without preparation and all those who have ability along this line and are imbued with college spirit should get busy and get out.

Supt. Hoover of the Fargo City schools was a visitor Saturday.

Today occurs the first meeting of the new board of regents. Mr. Nugent and Mr. Elliot will make their first appearance as members. An election of a new set of officers will probably occur.

Owing to the big musical festival occurring on Friday of this week there was no band practice on that day. This was to permit the band men to attend the festival.

Preparation are already being made by the Crack Squad for their dance to be given on the 21st. Decoration plans have been worked out. Dr. Putnam's Orchestra will furnish the music. This assures a pleasant time.

Rumors are afloat that a new secret society will be organized among the boys.

All those who did not attend the Queen of the Moulin Rouge please hand in their names at this office.

Alfred Lee an F. H. alumni visited A. Berthenson a classmate at Grand Forks during vacation.

The Agricultural Club of the University of Nebraska have launched out upon a field not usually entered by a college agricultural club. They are planning on publishing a monthly magazine devoted to the interests of the school and the college of agriculture. This is a commendable venture and one that should be patterned after by other clubs of like character.

Mr. Walter Holt left Thursday for his home at Larimore. Mr. Holt had planned on being with us the spring term but matters of business made this impossible. Mr. Holt's departure was the cause of general regret. The Crack Squad feel his loss keenly as it will now become necessary to cut the squad down three more men, since he cannot easily be replaced at this time and because the squad must be made up of fours.

Mr. Thomas Hannan who for years was foreman in the Horticultural Department has returned to take up his residence again in Fargo.

Dean Shepperd visited the Hettinger Sub-Station the last of the week.

Gink Gorman received a few advanced lessons in appreciation of a joke, in the Mu rooms Saturday evening. At the rate that he is improving he will be a post graduate and in a class with Tom Lough in the near future. However to the credit of the rest of the party be it said; that even tho their sense of appreciation was not so sharply defined they laughed on general principles.

Here is some space
Dedicated to Grace
Whose spring-time hours
Bring nothing but sorrows.
The reason is plain
And easy to explain
'Tis because Robert's away
That she's not gay.

Ah, gentle winsome miss
Last winter's glorious bliss
Could not now be repeated
With Robert's purse depleted.
He needs must go
In pursuit of the dough
To stand the pace
Inspired by your grace.

Be still, sad face
And cease your repining
Behind the clouds
The sun's still shining.
Your're lonesome now
But be brave and allow
Time to amend
For what Robert did spend.

You cannot wait? but ah, you must
For Robert now is strictly bust
It seems to me you should consider
That Robert never was a quitter
He will return, O blissful day
When the autumn leaves are flitting
away
And then, sad maid, it will ensue
That he'll again be seen with you.

Sorority Girls Art Guests Of Fraternity

The Alpha Mu Fraternity delightfully entertained the members of the Delta Phi Beta Sorority at an April Fool's party last Saturday evening. At 6:30 the thirty members of the two societies sat down to one of the finest banquets ever served at the Agricultural College. The biggest April Fool was that the Sorority girls were prepared to be met with jokes but there was no deception or delusion about the viands and refreshments served by the Alpha Mus.

Partners for dinner were determined by an improvised wheel of fortune. Each Alpha Mu drew a prize "There are no blanks". After enjoying the dinner the happy party went to the Music Hall where the Orchestra was ready to furnish the music. The evening was spent in dancing, music and suitable entertainments. Shortly before departure the girls tried their fortunes on the wheel and each drew a partner for refreshments.

Not a member or guest but felt they had enjoyed one of the most pleasant evenings of their college experience. The opinion of the girls was that their hosts were royal entertainers. And expressing themselves in the words of Shakespeare

"And should I live a thousand years,
And I should ne'er forget."

Composition Of Many Fuels Shown In A Graphic Manner

PROF. INCE ARRANGES A FINE DISPLAY OF DIFFERENT KINDS OF FUELS.

Prof. Ince is now engaged in making a collection of samples of different kinds of fuels which can be so displayed that they show at a glance the volume of equal weights of these fuels, the amount of fixed carbon they contain, the amount of volatile matter, the amount of ash, and also the amount of water they contain. This is accomplished by putting equal weights of these fuels in long vials thus showing graphically the volumes of these fuels. These fuels are then analyzed to find their constituents and the volumes of these as found in the analyses are placed in other similar vials to be shown in connection with the fuel from which they were taken thus showing at a glance the approximate ingredients of these fuels. The fuels worked with so far are samples of bituminous, anthracite, and lignite, coal, coke, charcoal, wood, and charcoal which have been sent in. This display will be used for practical instruction in some of the chemistry classes.

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