

# THE WEEKLY SPECTRUM

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NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY, SEPTEMBER 26, 1911

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## President's Greeting

After several months of comparative quiet, the Agricultural College campus assumes its customary activities. Troops of joyful students again throng the walks or crowd into the class rooms. Faculty and students alike wear a pleased expression. All seem happy.

While the students heretofore in attendance are renewing old acquaintances and inspecting the recent improvements, the new students are bashfully exploring their strange surroundings. Moreover, so many new faces appearing among the old is indeed gratifying, but all are welcome. We greet alike the old and the new and accept your presence as evidence of good faith and a sincere desire to apply your time and energies to the acquirement of useful knowledge. The facilities of the Agricultural College and its earnest faculty are at your service. Your happiness and welfare is of first consideration.

Amidst surroundings such as these, you should not only feel a sense of "ratitude to improve to the utmost your time and opportunities that your future lives may be bright with promise.

There is an old saying that "only live fish swim up stream." This saying is significant. It conceals no hidden meaning. The college loafer, should such an unfortunate youth have blundered hither by mistake, will understand the import of this

metaphor. It means that the only scenery he will enjoy borders the swift stream that carries its victims into the down-and-out class. For the college loafer we have no place—only sympathy.

But for the alive, the alert, the aggressive student, we extend hearty greetings. Here you may find joyful work, with a rising market for your brains when the work is done. The world is waiting for you. It has work and joy for every one that will labor and be glad.

Many an aspiring youth has caught his first glimpse of real service in the class room. After all, life is but service and the college helps prepare for this service, but it does not always come easy. College life is strewn with obstacles quite as thickly and with temptations quite as severe as may be found elsewhere. The best there is in human nature, however, is sought out and nourished; the evil and base discouraged—sometimes destroyed.

In all this work of self improvement and mental and moral growth, the student is the individual most concerned. You are the architects of your own fortunes. True, here are facilities. Here are opportunities. And you are here. What more can you ask?

We welcome you and bid you God speed toward some worthy good.

### CONVOCATION EXERCISES.

The first convocation exercises of the year were well attended and the students were addressed at some length by President Worst. During the progress of his talk the following students were announced as being the official ushers for the year: Seniors, Ben Barrett, chairman; Juniors, Beatrice Alm; Sophomores, Marion Cox; Freshman, Rita Ranford; High School, Harold Bachman; specials, A. M. Hamms. Prexy went on and explained the requirements in regard to military drill. He cited reasons for drill being a part of the required work at this and other institutions. He contrasted

the state of affairs in this country with those of other countries where military service is required of all able men even if they do not attend schools supported by the government. He appealed to the students not to become shirks in attendance at drill or chapel. He closed by asking the student body to prove by its conduct that Mr. Crane's statement in regard to the morals of the American college students is an error.

The girls' glee club, which did such splendid work last year, will be reorganized in the near future with a number of new members added.

## What the Faculty Have Been Doing During Vacation

The first issue of the Spectrum is naturally more or less of a resume of what has been going on around the campus during the summer months. Such a resume would not be complete without mentioning what the most of the faculty have been doing during vacation. This will be of interest to the old students especially. On account of the large number in the faculty, only a short item can be written about each one, while many would naturally be overlooked in making our rounds for news.

Prof. Arvold has been having a very busy summer as usual. He went to Rochester, New York with the Shriner special early in the season. From here, he visited points of interest in the eastern part of the United States and Canada. He also visited many educational institutions in the middle west where he went to study methods of teaching and to receive other pointers in his line of work. He has also secured talent for a lecture course which promises to be fully as good as the one we had last year, which is saying quite a great deal.

The most of the chemists have been doing station work during the whole summer except the time when they had their months vacation. Prof. Ladd has spent his time attending to duties on the campus. Prof. White took quite an extended trip to the coast where he visited Portland, Seattle, Vancouver and other points of interest in the west. Prof. Ince enjoyed his vacation in Rhode Island, where he inspected its experiment station as well as those of some other states. Prof. Remington has been analyzing foods almost the entire summer, while Prof. Sudro has analyzed drugs, when he was not looking after his chickens. Prof. Zeifle took considerable time off to get married and in settling down. Prof. Stockham put the finishing touches on his house when he was supposed to have his vacation. Prof. Dolt followed Prof. Ince's example and took a trip to Rhode Island. Prof. Ware has been making preparations to go back to Michigan. Dr. Putt and Pure Food Inspector Congdon have spent their vacations at the lakes.

Prof. Trimble of the department of History and Education, visited relatives in Alberta the early part of the summer and at his brother's ranch in Idaho a little later, while the latter part of the summer he has been doing some literary work.

Mr. Millbrath has spent most of the summer working on flax and wheat diseases. He has done a considerable amount of traveling to acquaint himself with crop conditions throughout the state, and has brought back numerous samples of diseased grain. These samples will be studied during the winter. At present Mr. Millbrath is at his home in Wisconsin.

Dr. Bell's vacation was perhaps not as pleasant as it might have been. Early in June he was attacked with blood-poisoning which laid him up for nearly the whole summer. We are glad to say that the doctor is completely recovered and on the job again.

Things have been very quiet around the library this summer. Aside from the routine work there has been nothing of interest. A few new books have been secured, mostly in the departments of Education, Engineering and Chemistry. Mrs. McVeety enjoyed her vacation in the usual place, the pine woods of Bemidji, Minn. Miss Schryver was at her former home in Iowa.

Prof. Bolley spent a month at Lake Cormorant and the rest of the summer he has been doing Experiment Station work. His flax and wheat had drought and disease to contend with, but despite that an excellent crop was produced. The resistant flax distributed to the farmers gave particularly encouraging results as it was almost uniformly good, although neighboring crops did very poorly.

The Agronomy department with Professor Donegoue in charge, has continued its work in plant breeding and variety trials. A further study of soil nitrification and moisture has been carried on on the different rotation plots. Experiments have been begun in dry farming, deep tillage and soil fertility. The department has been assisted by the following students:

Plant breeding, Lawrence Tibert, John B. Wentz.  
Soils, Arthur Ogaard.  
Variety trials, C. F. Schroeder, Harry Herbandsen.

Francis Hall, following the exodus of the Pharmacy department, has been altered and remodelled. Dean Shepperd has moved into offices on the first floor and other changes have been made.

The Veterinary department has been quite busy this summer. A great deal of work along experimental lines has been done in regard to the production of hog cholera serum and immunity. Investigations have been carried on with swamp fever and the department has summed up the work done here and elsewhere on this disease in a bulletin which is now in the hands of the printer and will be ready for distribution soon. A. B. Haskins has been student assistant in this department during the summer.

The faculty of the engineering department have been attending to official duties the most of the summer. Prof. Keene has been busy adding new apparatus to the physics laboratory. He has also been doing an immense amount of work on his book "Mechanics of the Household", having completed several additional chapters to the volume which has appeared in print and has several more which he has not yet completed. As this is a text of a technical nature, it must be written very carefully, and this has been no small task.

Prof. Slocum spent the greater part of the vacation period here in Fargo. In the latter part of the summer, he spent about two weeks at Drayton where he was called as consulting engineer for a bridge which was under construction at that place.

Prof. Guinness had charge of the short course in engineering for several weeks after commencement. Later in the summer, he was one of the judges in the motor contest held in connection with the Winnipeg Industrial Exposition.

Prof. Erickson likewise was an instructor in the summer engineering school he having charge of the laboratory work in the field and lecturing to some of the classes besides. Since then, he has spent most of his time improving the looks of country homes.

During the summer, Prof. Waldron attended to his routine duties and also did considerable traveling about the state. He inspected all the sub-experiment stations twice during the summer, and was called on to give advice to farmers on insect pests. He also spent a short time at Lake Cormorant.

Prof. Bergman has spent most of the summer collecting plants in various parts of the state. Most of the collecting was done in Barnes Co. and the far west around Medora, Dickinson, etc. About 1500 specimens were collected which will be added to the herbarium this winter. The herbarium has been completely reorganized and now contains about 12,000 plants. In quality if not in size, it ranks with any of the important eastern collections. Prof. Bergman spent his vacation visiting friends at South Haven, Mich. and Manhattan, Kans.

In the seed department, Prof. Stevens has spent most of the summer in recapitulating and tabulating the work of the previous year. The report will be published this fall in the form of a bulletin. Mr. Stevens has also continued his extensive collections of bees from Fargo and the vicinity.

Mr. Campbell spent his vacation in Iowa.

Prof. Miller, of the High School Department, has made collections of all the common North Dakota weeds.

These will be mounted, and distributed in sets of fifty to the High Schools of the state. He also spent a month at Velva teaching Biology at the summer school held at that place.

Of the English department Prof. Minard and family spent the summer at Lake Cormorant. Miss Simmons visited her home in the east and also made a trip to the west where she visited some of the wonders of the Rocky Mountains.

Prof. McArdle with his family spent the summer in Michigan. Prof. Householder visited with relations in Iowa. He has purchased Mrs. Ash's house and with his mother will reside there in the future. Prof. Smith stayed in Fargo, and with his skillful brush contributed to the adornment of our Newlywed's house, and several others.

Dr. Batt took his vacation at two widely different localities this summer. During the month of June, he was in the southern part of Florida, while the latter part of the summer, was spent at Lake St. Clair, Mich. He reports that Florida is a most desirable place to live in as the southern part of it escapes the intense heat so prevalent in the northern part of the United States.

Prof. Hard has been looking after the soil survey this summer. It was his duty to inspect the various field parties. This work is conducted by both the United States and the State. Prof. Hard being state inspector and Mr. J. E. Lapham, the federal inspector. Mr. Lapham inspected the work in company with Prof. Hard about two weeks ago. Prof. Hard also spent a week or ten days inspecting private irrigation projects in the tributaries of the Missouri river. Several farmers in that district have taken hold of irrigation and with a slight amount of labor have doubled and trebled their yields. Prof's Hard and Bergman recently spent a week at Medora. Prof. Hard collected minerals and fossils, and examined the coal deposits of the region, while Prof. Bergman attended to the flora. Some fine fern and leaf fossils were obtained, also a large piece of a mastodon's tooth, which was donated by Mr. Allen of Medora.

The aquarium has been enriched during the summer by the addition of several salamanders and mud puppies. These are carefully locked up this year in order to prevent the girls from handling them.

Prof. MacMeans has had a great deal to do, as he had charge of the gardens. The gardens were unusually fine as much fruit was raised which made them the center of attraction for all the small boys in town. An unusually large area was planted to corn, celery and tomatoes, as it is necessary to supply Ceres Hall this winter. One thing was demonstrated, that a market-gardener can make more money off one acre than a farmer can off forty.

Miss Hoover has spent almost the entire summer here. During the Chautauq at Devils Lake, she was engaged in delivering lectures on Domestic Economy to the young ladies who were trying to become better home makers. She has also given lectures on the same subject at many other places during the summer.

Miss Donaldson has also spent most of her time in Fargo. However she spent two weeks in the cities in the middle part of the summer. Miss Haggart on the other hand, has spent almost the entire summer traveling in the east. Among the other points of interest visited were the Thousand Islands of the St. Lawrence.

### DR. PUTNAM MAY LEAVE FOR ABERDEEN, S. DAK.

Students returning from their vacation will learn with regret that there is a possibility of the A. C. losing Dr. C. S. Putnam, the genial director of music at this school.

A short time ago Dr. Putnam received a flattering offer to take charge of several large musical organizations at Aberdeen South Dakota, which he seriously contemplated accepting.

At a recent meeting however, the Fargo Commercial Club considered a

proposition to secure Dr. Putnam to conduct a series of concerts in Fargo during the coming year. In an interview Dr. Putnam said, "I understand that the Commercial Club voted favorably on the proposition to have me conduct a series of concerts here during the coming year and that they have appointed a committee to see about raising the money to finance these concerts. However this committee has made no report as yet. The Aberdeen proposition is still open to me and I am undecided as to what to do and will be until this committee makes its final report."

It would be extremely unfortunate for the A. C. and for Fargo to lose Dr. Putnam and it is hoped that he may decide to remain with us.

### CLASS OF 1911 NOW THOROLY SCATTERED.

Scattered over the face of the earth the class of 1911 is beginning to be heard from. Mrs. Louise Campbell, has begun work in the Extension department of the Iowa Agricultural College, Ames, Ia. Scott Drummond is engaged in civil engineering work on the Fargo-Surrey cutoff of the Great Northern. Harold Dodge, the Prexy of the class is in business with his father at Devils Lake. Reginald Dynes is following his agricultural bent near Gardner. Ruby Gibbons contrary to our expectations, decided to teach and is now instructor in Domestic Science at the Halstad Minn.) High School. LeRoy Gifford now carries the title of assistant county surveyor of Morton County. Another disciple of the culinary art is Agnes Halland, who is teaching the young idea how to cook at the Macintosh (Minn.) High School. Max Harrington has decided to continue his studies in the east and will matriculate at the Massachusetts School of Technology, Boston, Mass. Tom Lough class '10 will also take up similar work at the same institution. Chester Folkesvig is still with us. He intends to take up post graduate work this year, while engaged as assistant in Industrial Chemistry. Having discarded his leaning toward Domestic Science, Earl Hunt is now assistant in Soil Chemistry and is doing post graduate work the coming year. Another graduate who has elected to again be with us is Anna Lamb who is back for post graduate work and will assist in the teaching in the Dept. of Home Economics. The Bagley (Minn.) High School has engaged Verne McCall as instructor in Agriculture and Manual Training. One of the hardest workers of last year's class, Hughina McKay, has been rewarded for her efforts and is now engaged as teacher of Domestic Science at Fargo High School. One of the best positions landed this year, was that of instructor in Home Economics at the Larimore High School by Lillian Pearson. Henry Reddy, who held the scholarship in pharmacy before graduation has been retained as assistant for the coming year, and will do post graduate work during that time. Horace Rueber is engaged in engineering pursuits. The subsidized Agricultural High School at Malaca, Minn. was fortunate in securing the services of Charles Ruzicka as Agricultural instructor. During the summer Ray S. Towle has been in charge of the farm run in connection with the Macintosh (Minn.) High School and is now instructor in Agriculture at the same place. Edwin Traynor is now a bonanza farmer at Starkweather and is still single. Lars Welo moved up into the Turtle Mountains and is teaching Manual Training at the Bottineau High School. Cal M. Hennis, formerly editor of the Spectrum, picked a good plum and is now assistant in the Division of Farm Management, U. S. Department of Agriculture. He paid the College a hasty visit during the latter part of the summer.

J. C. Jansrud, Fargo's leading photographer, has received eleven medals for photographs during the past six years all first prize, but two. He is the only photographer in Fargo who has received any medals during the present century.

**Notice:** THE SPECTRUM is being sent this week to all students that have enrolled. There are however a great number of students who have not as yet subscribed. The Spectrum is published by students with the sole purpose of boosting our institution and student activities. It deserves your support. It cost a large sum of money to publish the paper and the best way that you can aid us is by handing in your subscription. **This Paper is Dependent Financially on its Advertising. PATRONIZE THEM.**

**THE WEEKLY SPECTRUM.**

Published every Tuesday of the school year by the students of the North Dakota Agricultural College, at the Ulsaker Printing Company, 519 Second Avenue North, Fargo N. Dak.

**E. M. Evingson** ..... Publisher

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With this issue the Spectrum begins the fifth year of its existence as a weekly paper. In the past four years it has made a very creditable showing, having compared very well with papers from institutions larger than our own. What it will be able to do this year depends entirely on the staff which is at the helm. It is our purpose to put out the best publication which it is within our ability to accomplish. How well we can do this remains to be seen. Altho we are not entirely new in the newspaper business we must confess that we have the most of it still to learn. We are only amateurs. During the year there will undoubtedly be a large number of criticisms of the college paper. That is only natural. But then it must also be remembered that it is often easier to criticise a thing than to do a thing. At least that is the way we have found it. With this in mind we shall also strive to do as little-criticising and knocking as possible during the college year or until we are relieved of our responsibility. On the other hand we shall try to boost the college and every student enterprise which it worthy of it.

During the year we will undoubtedly overlook or omit many items of interest to some persons while we may print some articles which will not be of much interest to you, as it would be impossible to print everything of interest to everybody and nothing more. We are always looking for news, however, and are always glad to find out anything which has happened so if you know of any late happening let some member of the staff know about it, and we will feel very grateful for it.

Not for a long time have the returning students had the opportunity to see the 'campus beautiful' at its best, or even approaching its best. The frosts have usually arrived before the students, leaving little but dead leaves and faded flowers. This year, tho, the frost has held off for a long time, and altho the leaves are a little fewer and less green, and the flowers less brilliant than they were a month ago, still the student has some idea of the summer beauties of the campus. We must remember that in the summer the campus is a center of attention for visitors the state over. On Sundays the drives and walks are crowded with visitors who are unanimous in their praise of the grounds. The students should realize this and in boosting for old A. C. throw in a little about the beauty of the college as well as its material advantages.

This term we have a large number of students who have never been here before. To you we extend the heartiest greeting. May your stay be a long and pleasant one, and one which will be of everlasting benefit to yourself. That, however, depends largely on yourself. It will be what you make it. On your ability to work will depend your progress here the same as in every other walk of life. Below are two paragraphs from ex-President Elliot of Harvard which makes reference to the person who applies himself while in college.

"Two new capacities, capacities which they did not before possess, the capacity to do hard, effective, concentrated work, and so to render good service in all fields of human activity; and, secondly, the capacity for greatly increased enjoyment of life or happiness in life.

"But the prime thing to be attained in any institution of education is

the power to work with all one's might, and to do something effective with one's mind."

This being rather early in the term, many members of the staff have not yet arrived. This has made it a little harder for the members of the staff which have arrived. This issue also contains more reading matter than coming issues will because the copy has not all arrived for the advertisements.

At this time of the year one would naturally suppose that the demand for teachers would be pretty well supplied. This is not the case with teachers of agriculture however as is shown by the following letter to Pres. Worst from Asst. Secretary Hays of the Department of Agriculture. This only goes to prove the great openings there are for students who are qualifying themselves to teach in these lines of work. Coming as it does from such a prominent man as Secretary Hays the letter speaks for itself.

Department of Agriculture, Washington, D. C.—Office of Assistant Secretary.

September 18, 1911.

Dear Sir:

I am constantly getting requests to recommend teachers of agriculture in consolidated and village rural schools. Some of these requests have become insistent because of the approach of the new school year. If you can give me the names of graduates of your or other institutions who are qualified to take up this work, will you kindly let me know at your earliest convenience.

It is estimated that the consolidated rural schools in the United States have increased from one thousand three years ago to two thousand at the present time. Besides there is the constant demand for teachers of agriculture in city high schools and other secondary schools. If the preparation of teachers under the fund provided by the Nelson Amendment should result in a surplus in your state they will have no difficulty in finding profitable employment outside the State. The salaries offered range from \$1,000 to \$1,500 per year for beginners. This demand shows that what would now most encourage the rapid organization of the needed thirty or forty thousand consolidated rural schools is, to supply teachers of agriculture and home economics especially prepared to conduct the work of these schools.

Sincerely yours,

Wm. Hays,  
Assistant Secretary.

**Changes in the Faculty**

This year we are fortunate in that very few of the old members of the faculty have left during the summer. We are also fortunate in that several very valuable additions have been made to the faculty.



**Prof. Beckwith**

who goes to Oregon

Prof. Beckwith of the Division of Bacteriology, Department of Biology, has been elected Professor of Bacteriology in the Agricultural and Mechanical College of Oregon, Corvallis, and left for his new field of work last month. Prof. C. J. T. Doryland takes Prof. Beckwith's place at this institution. Prof. Doryland is a graduate of the Agricultural College of Kansas and has also taken his master's degree from that institution. He has specialized in his work, along the lines of agronomy and bacteriology; thus, he is especially prepared to take up the work of investigation which is being conducted upon soil bacteria and fungi in relation to cropping plants. In his training work, Prof. Doryland has been under the instruction of some of the most able bacteriologists in the country. He comes to this institution from the new Jersey Experiment Station, Newark, N. J., where he has been assisting Dr. Lippman in soil investigation. Dr. Bolley and Prof. Doryland have laid out plans for investigations in soil work which it is believed, will

not only prove interesting, but will give some explanations regarding soil and crop troubles which are not now well understood.

Prof. Beckwith is one of the oldest in point of service who left this year, and has made an immense number of friends during his stay here who are sorry to see him leave.

Football enthusiasts are especially elated over our addition to the faculty. That is Prof. Kalmbach, for four years football coach and teacher of science at the Fargo High School who now becomes the principal of our Agricultural and Manual Training High School.

Prof. Kalmbach comes to this institution well trained and backed by a wide experience. He first secured a S. degree at Kalamazoo College, Michigan and from this college attended the University of Chicago where he also secured a B. S. degree. Following this he taught in the Grand Rapids, Michigan, High School for one year and from there was secured by the Roswell Military Institute of New Mexico. After remaining with this school one year are declined his reelection and accepted a position at the Otterbein University, Westerville, Ohio where he remained until secured as instructor of mathematics and the sciences at the Fargo High School. Prof. Kalmbach has a fine reputation as a foot ball coach and also as a director of track work and will be a valued advisor in this line.

Agricultural students will all be glad to hear of the return of Prof. Dynes who during the past year took post graduate work at Cornell, taking up plant breeding as his major subject and field crops as his minor subject. He was also instructor in the same subject under Dr. Webber, one of the foremost authorities on that line of work in the country. He comes back to become assistant professor of Agronomy. Prof. Dynes was at one time one of our most active students. Since graduating he has been connected with the institution except last year and has made a large number of friends here who are glad to hear of his promotion.



**Maj. Ulio**

who will soon depart for California

Among the changes in the faculty one of the most important is that of Prof. of Military Science and Tactics. Major James Ulio after acting in that capacity for 8 years, has resigned and will depart shortly for California where he will make his home. While here the Major has made many staunch friends who regret to see him leave. He will be succeeded by Lieutenant S. P. Herron, retired. He was born in Texas in 1877. At the age of 22, he enlisted in the 18th U. S. infantry, going directly to the Philippine Islands, where he remained two and a half years. His services were such that he was promoted quite rapidly, being made Corporal in Nov., 1900; Sergeant in Jan., 1901. In March 1901, he was recommended for examination for 2nd Lieutenant, which he took and received his commission in March 1902. He was first assigned to the 17th U. S. Infantry in which regiment he served in the Northwest for one year when he was transferred to the 2nd U. S. Infantry. He continued in this regiment until the date of his retirement July 1907. A second tour of duty to the Philippine Island was made in 1906 in which year he was promoted to 1st Lieutenant. Since his retirement, he was for three years Professor of Military Science and Tactics at Hitchcock Military Academy, San Rafael, California. Another year was served in the same capacity at Ohio Wesleyan University, Delaware, Ohio. He comes from there to take up his work here. Since coming here he has impressed all with his business like manner and under his management, the military department bids fair to take a prominent place in the College curriculum and activities.

Prof. Ware, who taught industrial chemistry here the past year returns to Michigan, his Alma Mater, where he will be the professor of chemical engineering. His successor has not yet been selected. Prof. Sargent will have charge of his work for the time being while of some branches of the work he will have permanent charge.

Mr. Sargent comes to this institution backed by an enviable record. While at Harvard he took his major and minor work in Chemistry and Mathematics. Two honor mentions were his in Chemistry together with the degree Magna Cum Lauda. Additional post graduate work was taken and an M. A. degree secured. Following Mr. Sargent's work at Harvard, he was Assistant Physiological Chemist in the research laboratory of the Massachusetts Institute of Technology. The following year was spent in the Chemical Laboratories of the forest service at Washington, from this position he became assistant manager of a large cyanide plant, where he served until induced by Dr. Morse, the famous Harvard chemist, to take a position in his private laboratories where only strictly original research work is undertaken. Prof. Ladd is fortunate indeed to be able to secure a man of such attainment.

C. P. Guthrie comes to relieve Mr. Congdon of part of the food and drug inspection work as he will have entire charge of the drug inspection work thru the state and will do analytical work when not so employed. Mr. Guthrie graduated from the course in pharmacy at the Medico Chirurgical Institute in Philadelphia in 1906 while he received the Degree of Bachelor of Pedagogy in 1911. He has travelled considerably and has done a large amount of analytical and research work in chemistry so is well prepared to take up his new position.

J. H. Wright is a Michigan man who comes to take up an entirely new line of work. He will endeavor to give the people of North Dakota purer foods. At the University of Michigan, he specialized in micro-

chemistry during his postgraduate course. For some time he was in charge of the water division of the hygienic laboratory at this institution. Later he worked one year with Dr. Vaughn, a noted authority, doing research work in proteids and immunity. His duties here will be along the lines of his specialty as he will determine the contamination of milk and similar products by bacteriological and chemical methods.

Prof. A. J. Stephens, who taught violin at the A. C. last year, will teach in the Fargo College Conservatory during the coming year. He will be succeeded at the A. C. by Olaf Henriksen, a former A. C. student.

Mr. Henriksen is well known in musical circles of Fargo, having taught violin at the A. C. two years ago and at the Dakota Conservatory of Music last year. During the past summer Mr. Henriksen has been studying the violin in St. Paul under Emil Straka, a noted teacher.

Mrs. Ash, who for quite a number of years has been an instructor in domestic art, left this summer for the west. She is making her home on her orchard farm in Washington. Her absence will be missed by many of the young ladies among whom she leaves a large number of friends.

Her successor is Miss Jacobson, a graduate of Columbia University. There her specialty was domestic art. She taught this subject for some time at the Bayonne High School, New Jersey and for several years lectured on the same subject in the large schools in the east, so she comes here well prepared.

Miss Thompson is not here this year having accepted an excellent position with the extension department

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of the Kansas A. C. Miss Hoover who was able to do very little teaching last year on account of her many other duties in organizing the department of Home Economics will be able to take up the most of Miss Thompson's work.

One whose loss is greatly felt by the high school students is Prof. Scull, who taught Manual Training in the High School. He has accepted a position at the David Rankin School in St. Louis, one of the largest industrial schools in the United States. Mr. Scull is to be congratulated on receiving this position. He will be missed by both students and faculty.

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## PERSONALS

Quite a number of houses are seen in this locality which were not seen here last spring. Evan Hall is having a commodious house built east of Prof. Richards house, which will be ready for occupation some time next month. Prof. Kalmbach is already occupying a beautiful cottage which he has erected this summer south of the campus. Prof. Ladd's new house is now finished and will soon be ready for occupancy.

Mr. and Mrs. Richardson of Iowa are visiting their daughter Mrs. Stockham.

Leo Nemzek, who is now the chemist of one of the largest paint companies in the east, is spending some time here studying the paint tests which are being carried on.

The registration of young men for work in preparation for teaching agriculture in high schools shows a marked increase over last year.

One of the finest dwellings in this vicinity is the new house which Mr. Tibert has built during the summer directly south of the campus. This is a brick building on a red sandstone foundation with trimmings of the same material and pressed red brick.

At the institute held at Steele last week Professor Weeks gave an address on Tendencies in Educational Legislation.

Charles A. Michels, class '09, who has taught at the Agricultural High school at Fergus Falls, Minn. and who assisted in plant breeding here this summer, has gone to the University of Wisconsin where he will take up post graduate work in bacteriology, plant breeding and farm management.

It is with the deepest sorrow and regret that we learn of the death of Mrs. W. H. Flynn, wife of the A. C. groceryman. Mrs. Flynn had been ill for some time and this summer, in company with Mr. Flynn, she went west in the hope of regaining her health but she died a few weeks ago. Her remains were interred in California, where she had a sister. The deceased was an exceptionally kind woman and was a true friend of the students. Mr. Flynn has returned to Fargo and has the condolences of the many students who knew Mrs. Flynn.

The current number of the Westland Educator contains the first installment of a lengthy article by Mr. Ole Neraal on consolidated schools in North Dakota. The series will run through the fall numbers of this magazine. Mr. Neraal's article was prepared as part of the work in Education VII in the spring term, and is a valuable compilation of data with regard to consolidation in this state. The publication of his work is a recognition of its excellence. Mr. Neraal is a junior in the course of education.

Leo Horst and Mae Egge have enrolled at Fargo College.

See that your name is on the Spectrum mailing list.

Jessie Thompson '10 is in town at present getting treatment for her eyes which are giving her some trouble.

Frank Darrow refereed the game of football between the Fargo and Detroit High Schools Saturday afternoon.

Edgar Olson has been laid up a large part of the summer on account of trouble with his eyes. An operation on one was necessary last month.

Grover Edwards is at present troubled with an inflamed eye. It is not thought that it will interfere with his football playing.

The first bad luck to the football team occurred Saturday afternoon when Schumann tore the ligament on his hip so that he will be unable to play for at least two weeks.

One of the last year's students who will be missed here this year especially in society circles, is Jay Powers, who this year goes to Northwestern University, where he will continue his work in Pharmacy.

Prof. Ware left Sunday for his new home at Ann Harbor, Mich.

Miss Edyth Grasse of the department of music has been engaged to sing at the meeting of the North Dakota Educational Association, which meets in Fargo November 1st, 2nd and 3rd.

The prospects for a large attendance in the voice and piano department this year are very bright, in fact have never been better.

Credits are given for this work in all college courses. Pupils are urged to register at the beginning of the term altho lessons may begin at any time.

Warden Wheeler was a visitor in chapel yesterday. He will not be back to school this year. That made it necessary to select a new student manager of athletics. A man who was eminently fitted for this position has been found, however, for Reginald Colley will help look after the business end of our athletics during the coming year.

Brother Bunt of the Engineering department was seized this summer with a desire to emulate Edison and at the cost of ten dollars, some gas-pipe, "borrowed" from John Anderson and a large amount of gray matter, constructed a poor motorcycle out of a good bicycle. The thing ran when Bunt did, but finally something broke and at last accounts, both Brother Bunt and the machine were resting easily in the rear of the machine-shop.

Prof. Bergman returned Sunday from a collecting trip in the vicinity of Jamestown. This is the last trip he expects to make this year.

Prof. Waldron left Thursday evening for Hankinson and Valley City where he was called by his duties as state nursery inspector. This will complete the regular fall inspection of all the nurseries in North Dakota.

Prof. and Mrs. Richards left Saturday evening for the west. Prof. Richards will spend some time at the Montana State Fair where he will judge all the horses exhibited there. From there, he will go to the state of Washington where he will also judge horses at one of the largest fairs in the west.

John McDonald, the college herdsman, returned Saturday from Iowa with four prize Jersey cows which he went to secure the first of the week. These were purchased earlier in the summer by Prof. Richards.

Prof. Bolley has gone to Wahpeton on a three days hunting trip.

Dr. L. Van Es has been invited to deliver the address at the opening of the school of Veterinary science and surgery of the University of Pennsylvania, the 29th of this month. He leaves today accompanied by Carl Hofstrand who will continue his studies along veterinary lines at that institution.

### CAMPUS IMPROVEMENTS.

The returning students will notice several improvements that add materially to their comfort and convenience. The heating system especially has been improved. A large 410 h. p. boiler has been added, as the previous equipment was not sufficient to properly heat the buildings. There is also a new vacuum pump, rated at 130,000 feet radiation. Ceres Hall, instead of using high-pressure steam from the old boiler in the basement, will receive live steam direct from the powerhouse mains. This is a considerable improvement, as the former system was quite inadequate. At the Veterinary building a new crematory has been built, so the Vets can no longer claim to be the strongest department in the institution. The bell system has been revised this summer and the authorities claim that the long-suffering students are deprived of one more excuse for being late to classes. The bells are on separate wires and batteries and are no longer connected with the telephone system, a plan which insures accuracy.

### Post Office Will Remain At College

### POST OFFICE DEPARTMENT RE-SCINDS ITS FIRST ORDER.

Following a visit of a post office inspector to Fargo, an order was sent out by the Department at Washington by which the Agricultural College post office was to become a branch of the Fargo office. No students mail would then be delivered at the college. The authorities here immediately took step to have the matter remedied and after being apprised of their mistake by Cong. L. B. Hanna, the department rescinded its hasty action and U. S. mail will come and go as heretofore.

### N. D. A. C.

N. D. A. C.  
The busy bee  
Must buzz in glee  
To think of Thee;

He works in sun,  
But day or night;  
Your steady run  
'Stoward wisdom's light;

All truth your goal;  
May dogmas mold  
In swamp or shoal  
Like signs of old.

Persistence  
And steady plod

## Have You Thought of an ELECTRIC CHAFING DISH FOR MIDNIGHT LUNCHES

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### Ceres Hall

Mr. and Mrs. Neal and sons were the guests of Miss Eastgate at dinner Thursday evening.

Among the new lines of work in the department of Home Economics are the classes in domestic art design and color schemes for the interior of houses. An elective course in domestic art is given which include renovating of dresses and the making over of garments. The department also offers a class in the methods of teaching domestic art and domestic science and considerable interest is being shown by the girls in these classes.

Miss McCarten studied chemistry at the University of Minnesota during the summer school and has returned to continue her work in Home Economics at this institution.

Considerable new apparatus has been placed in the gymnasium at Ceres Hall and the classes which Miss Haggart is organizing will no doubt enjoy the new appliances.

The boarding department at Ceres Hall was open all summer for those who wished to take their meals there. The early part of the summer the department catered to the students of the engineer's and teacher's summer school, while during the latter part of the vacation, tables were kept; one for the college students who spent the summer here and one for the members of the faculty. The department is at present in better running order than ever before. A new cook and baker have been secured, some new apparatus has been installed and the department is now prepared to give the best satisfaction to boarders.

Miss Ellen Syse spent the summer at the University of Minnesota, studying botany and has now returned to continue her work in the general science course at this place.

Miss Alma Erickson has returned to school after an absence of a year during which time she has given her eyes medical treatment.

The Y. M. C. A. cabinet had their first meeting Friday and made a few plans for the coming term. The first devotional meeting will be held Wednesday the 27th at which time reports of the various committees will be given. The meeting will be held in the gymnasium of Ceres Hall at 6:45.

During the vacation the floors at Ceres Hall have been oiled and the building in general has been thoroughly renovated.

Mrs. Marshall has spent the summer at Ceres Hall with the exception of three weeks which she spent very pleasantly with friends in the Twin Cities.

Miss Eastgate had a months vacation during the summer and spent the time with her mother and sister at Larimore.

Mabel Cox, Bertha Camp and Mary Thomson represented the Y. M. C. A. of this place at the Lake Geneva Convention this summer. Reports of the convention will be given by these young ladies at one of the regular meetings of the association during the fall term.

Mrs. Marshall received word this week that her son Verne is in the hospital at Chicago under medical treatment.

### NEW EDUCATIONAL BOOKS IN LIBRARY.

The following books for the Department of Education have been recently added to the Library:

Bricker: The Teaching of Agriculture.  
Monroe: Cyclopedia of Education, Vol 1.  
Brown: The Training of Teachers for Secondary Schools in Germany.  
Garber: Annals of Educational Progress, 1910.

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Aaker's Business College. I was placed in a stenographic position by Prof. Aaker, which I have successfully filled due to his school and the excellent training received while

there. After working for eight months, my salary was increased 40 per cent. Several excellent positions have been offered me since leaving college, which I have been obliged to decline.

O. O. Grindahl.

Write for further information to A. B. C., Fargo, or Grand Forks.

Farrington: French Secondary Schools.

Snedden: The Problem of Vocational Education.

Compoyre: History of Pedagogy.

Field: The Child and his book.

Anderson: History of Common School Education.

Graves: History of Education Before the Middle Ages.

Cross: Criminal Psychology.

Meyer: Vocational Guidance of Youth.

Robinson: Agricultural Instruction in the Public High Schools of the United States.

Mr. and Mrs. Yoder are away on a trip to Mr. Yoder's old home in Ohio.

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singer, Caulkins, DeWien, Kelly, Praezie and Foster. Of course this is too early in the season to make any predictions as to what our team will be able to do in the big games but the men who are out now seem to have the stuff in them to make a winning team, if we do not have too many accidents during the fall.

**Football Schedule.**  
Oct. 7th. It has not been decided what team we will meet at this date.  
Oct. 14th. Wahpeton Science School at Wahpeton.  
Oct. 21st. Aberdeen Normal here.  
Oct. 28th. South Dakota State College at Brookings.  
Nov. 4th. Fargo College, Athletic Park.  
Nov. 12th. University of North Dakota, here.

**MANY CHANGE QUARTERS DURING THE SUMMER.**

A very noticeable change in the Main Building this fall is the absence of the Students Book Store. This is now located in the Cement laboratory in the Engineering building which is much more commodious. Prof. Kalmbach is now using the room formerly occupied by the Book Store Men, as an office. With the completion of the Chemistry building, many other changes are noticed inside of the buildings, as the chemists have now left the various temporary quarters which they have used since the old chemistry building was destroyed by fire. The department of Geology is again occupying the room used by Prof. White on the third floor of Science Hall as a laboratory. The large room in the southeast corner of the basement of Science Hall which was used as laboratory in Agricultural Chemistry and was occupied by Prof. Ince, is now being fitted up with long tables so that it can be used as a laboratory for the department of Biology. Prof. Ware's quarters, in the third floor of the Engineering building are to be occupied by Prof. Waldron who has up to this time been cramped for room.

The office and laboratories previously occupied by Prof. Waldron in Science Hall, have been refitted especially for student work in Bacteriology and Animal Histology. Prof. Bell and Prof. Doryland are located in these newly arranged quarters.

The mill now looks deserted compared with what it did three months ago. Of the large number of enemies who were at that time making their haunts in that building, only Prof. Stockham remains besides the regular baking and milling staff.

Miss Edyth Grasse, who has charge of this department, is kept busy at her studio, room 1, Music Hall, registering students, assigning lessons, hours and practice periods. Miss Grasse is a graduate of the American Conservatory of Music of Chicago, Ill., one of the leading music schools of this country, and has had a number of years of experience in teaching and concert work.

**College Y. M. C. A. Stags Have Feed and Roundup**

**FIRST SOCIAL FUNCTION OF THE YEAR WAS A COMPLETE SUCCESS.**

The initial social function of the college year was an informal stag roundup given by the Y. M. C. A. at the Armory, Saturday evening. This progressive organization uses this method of bringing the new and old students together besides putting the advantages of the association before those not familiar with the work. The crowd began to arrive at 8 o'clock and games of indoor baseball and breeze football were soon in progress. As each man entered, he was labeled with a colored tag on which he placed his name and home address. When about sixty persons had assembled, a burlesque track meet was run off between the two divisions of the crowd, which were called Vassar and Wellesley. The spacious hall resounded with lusty yells as each event was pulled off. A tug of war and a couple of lively boxing matches were indulged in, until Chief Chef Mark Heller announced that a feed was in order. The hungry athletes were then refreshed by wienerwurst sandwiches and coffee, followed by crackers and fine cookies, kindly donated by the Manchester Biscuit Company. Prof. Smith and Coach Rueber were then given the floor and a spirited wienerwurst devouring contest took place. The crowd was treated to an interesting finish as the last of thirty five pounds of K9 disappeared, with Rueber one dog to the good. Dynes spoke on the plans for the coming year. Clarence Williams gave a lengthy discourse on what each student ought to do. State Secretary A. L. Miller made the concluding remarks, after which an attack was made on a barrel of apples. The crowd dispersed with a better understanding of the work of the Y. M. C. A. and voted the evening a success. The Y. M. and Y. W. C. A. are planning to give a joint social next Saturday evening. Announcements will be made on the bulletin board.

**Prof. Zeifle Joins Matrimonial Ranks**

**HE IS THE ONLY ONE WHO DESERTS THE BACHELORS THIS YEAR.**

During the vacation months, only one of the members of the faculty sailed out upon the sea of matrimony. The latter part of July Prof. Adolf Zieffe, head of the Department of Pharmacy departed via the N. P. route for Spokane, where he visited Grant G. Morton, formerly drug and food inspector at this place. From there he went to Seattle, where he was joined in wedlock to Miss Crescence Fehr at the home of the bride's brother. Miss Fehr was formerly assistant secretary of this institution and has a host of friends among the faculty, alumni and student body. After the wedding, Prof. and Mrs. Zieffe made several trips out of Seattle, visiting the numerous colleges at Tacoma, Spokane and Seattle. The Government laboratories at Seattle and several wholesale drug houses were also visited. After a trip by boat through Puget Sound to Vancouver, the return trip was made by the Canadian Pacific "Scenic Route". Stops were made at Banff and all other points of interest along the line. The happy couple returned to Fargo, September 1st, and immediately began housekeeping in their new house on College St., which by the way is one of the coziest and most neatly furnished cottages on the North side. They were given a royal welcome and charivari by members of the faculty and summer students.

Bridge, our old basketball star, was another visitor about the campus yesterday. Mr. Bridge has been pretty busy since he left school, having been farming a two section farm during the summer.

Dr. Bell has received the mounted body of the former lord of the deer-park. The animal was mounted by J. F. Allen of Mandan and now stands in Dr. Bell's office to serve as a reminder to the budding zoologists of the vanity of existence.

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**Foothall Practice Everyday Last Week**

**OLD MEN SHOW UP SLOWLY MANY NEW MEN OUT IN THE FIELD.**

Football practice this year started right off with the beginning of school. The men were out for the first practice a week ago yesterday, and have kept it up every night the rest of the week. So far, twenty men have reported for practice. Many more however are expected in the first part of this week. Not very many of the old men have been seen in football togs yet. Those who have been out so far are, Captain Schroeder, Edwards, and Olson. Among those who are expected to be back this week are Ewen, Breyer and Grant. Quite a number of last years men are here but for various reasons will not be able to appear in moleskins this season. Among them are ex-captain Foss who is employed afternoons in the Chemistry building; Clarence Williams who has a weak shoulder; Bert Haskins captain of the '09 team and a star center, who has let his wife dissuade him from playing and Gorman who is lacking a few credits. Wirtenberger is kept out by a weak ankle. Ambrose Boucher, an old student who has never played football here but was a star player at the Fargo High School is expected back this fall and will very likely try out for a position in the line.

There are, however, quite a number of new men trying out for the team who promise to make good football material as soon as they get better acquainted with the game. One exception is Schuman, star tackle of Wahpeton Science School, who is trying out for one of the tackle positions who already knows the game. Another experienced man is Peter Eiden of the Ellendale Normal who may come down.

Of course nothing can be said definitely about the line-up as yet. Ewen, Breyer, and two new men, Simpson and Perry, will probably fight for the end positions. Schroeder, Boucher and Schuman will hold their own as tackles against any opponents. Olson, Edwards and perhaps others can be depended on as guards. Grant and a new man named Botsford will probably compete for center positions. The following men will take care of the back field and perhaps some of the line positions, Bal-


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