

THE WEEKLY SPECTRUM

Official Publication of the Student Organization.

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Number 5.

NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY October 26th, 1909.

PRICE 5 CENTS.

"Aggies' Trim Up South Dakotans

Locals Wallop S. D. A. C. on Their Own Field to the Tune of 11 to 5.

PLAYERS ENJOY MUD BATH

New Men at Ends Show Up Well. Capt. Haskins Plays a Star Game.

Thursday morning at 7:45 our team left on the Great Northern for Brookings, S. D., to take the scalp of the S. D. A. C. The trip was long and tiresome but the boys made up for that by singing and in other various ways giving vent to their pent up enthusiasm over what they would do to South Dakota when they got there. Arriving at 11.00 p. m., that evening they secured a few hours of much needed sleep and spent the next morning enjoying the rain as best they could.

At half past three, while it was still raining the game was called. Brookings kicked off to us from the north goal. Foss received the ball and immediately returned the kick. Brookings received the ball on their 40 yard line and here we held them for downs. From here we advanced the ball by a series of straight line bucks to their 25 yard line. Here we tried a forward pass owing to the muddy condition of the field, failed. At this point, owing to the 15 yard penalty we were forced to punt. Brookings then by a series of end runs formations advanced the ball to their 55 yard line, where they fumbled, and Pewee Darow, our new left end secured the ball and after making a 55 yard dash succeeded in planting it safely behind South Dakotas goal posts. Again due to the mud we failed to kick the goal.

Brookings next kicked off to us from the south goal. The ball rolled over the line and was put in play on the 25 yard line. We advanced the ball to our 40 yard line, however, at this point we were forced to punt. Brookings received the ball, but were held for downs. We again advanced to their 25 yard line, but we in turn were held. Here Brookings again fumbled and Andy, our other new end secured the ball, covered the 25 yards and made the second touchdown. We again failed to kick goal.

Brookings again kicked off to us from the north goal. Then followed a series of scrimmages, the advantages going first with us and then with S. D. There was however no further scoring in the first half.

Second Half.

In the second half we kicked off to Brookings from the north. Ueland received the ball and advanced it about 15 yards before he was downed. Here we were again forced to punt. Brookings after a short scrimmage again punted to us, the ball rolled over the goal line, Miller fumbled and a S. D. man got it making the

Registrar Spends Strenuous Week

Large Number Enroll in Farm Husbandry and Power Machinery Course.

H. S. GRADUATES ENTER. Short Courses Show Marked Increase in Popularity.

On last Monday the Farm Husbandry and Power Machinery short courses began and during the two days of registration there were busy times in the Registrar's office. The first three days brought in the greatest number of the new students, but many of the second and third year men kept coming in during the latter part of the week, and many of those who are expected to arrive have still failed to put in an appearance, so it is very probable that the number will continue to increase for some days.

The enrollment in the Farm Husbandry course shows a marked increase over former years, and the esteem in which this course is coming to be held is evidenced by the fact that no less than three High School graduates have entered in the first year class this fall. These are the first High School graduates to enroll for such work in this institution and it marks a step in the right direction in the development of the course.

The success which has been attained by the Farm Husbandry graduates of the past is good evidence that the practical value of such a course is likely to be quite as great to the man with High School training as many of the lines of study which are looked upon with more favor. Most of the Farm Husbandry alumni are no wengaged in farming, a number have returned for the four year course, while others are engaged in various occupations relating to agriculture. Almost without exception, however, they have gained marked success in whatever the have undertaken and the popularity which the course is attaining is well merited.

While the Power Machinery course is new this year it seems to be meeting with considerable favor and over twenty men are enrolled in the first year class. The work will be the same as in the old two year engineering course and is calculated to fit the graduate for the superintendance of moderate sized power plants, shop work, etc.

first and only score for them, as they failed to kick the goal.

The lineup was as follows:

N. D. A. C.	S. D. A. C.
Bert Haskins . . e.	..Durland
Walt Haskins r t	Bibby
Williams l t	Granger
McKinstry r g	Johnson & Cliff
McDonald l g	Buckley
Anderson r e	Atkinson
Darrow l e	Meharg
Miller q b	Wohlheiter
Wirtenberger r h	Pier
Foss l h	Pence
Ueland f b	Johnson

Reception Proves An Unparalleled Success

Faculty Members Show Themselves Royal Entertainers at All-College Function.

OVER FIVE HUNDRED GUESTS.

Games and Dancing Form Chief Amusements of Festive Occasion.

The all College reception, held Friday evening, October 22, proved a grand success. A larger number of students and faculty members were present than at any college function this term. The arrangements were entirely in charge of the faculty and all details were perfectly arranged. The Armory was artistically decorated with the college colors intermingled with over 150 banners of different colleges. Two cozy corners were attractively arranged with seats and tables. A large number of squashes were also used to advantage in working out the color scheme. Palms and ferns were arranged behind the reception committee as well as around the punch table. Large American flags were pleasingly draped at the ends of the room.

Under the balcony were tables where numerous games were indulged in, as well as other tables covered with college song books and papers, and humorous magazines. The punch bowl was presided over by the Misses Abl Welo, orman, Merritt and several others who served the cooling drink during the entire evening. The reception committee consisted of Pres. Worst, Dean and Mrs. Bolley, Dean and Mrs. Keene, Dean and Mrs. Ladd, and Mrs. Sheppard. Several of the students acted as introducers, and every student present met the President and other members of the faculty. The novel feature of escorting different groups to the punch bowl was an idea of Miss Fowler and proved very successful. The latter part of the evening was spent in dancing, to music furnished by the College orchestra. A very pleasant surprise was the announcement that the foot-ball team was victorious at Brookings, S. D. The college yell as well as numerous class yells were indulged in. Towards the close of the festivities the subscription list for the foot-ball celebration was a prominent feature. Everybody talked, laughed, joked and jollied with everybody else, making every one feel on an equal, which characterizes North Dakota and especially the Agricultural College. Over four hundred students were present and the faculty numbered over fifty. The all college reception passes into history as the biggest and best ever held at the College.

The Athenians held a short business session Thursday noon when a number of new members were voted into the society.

Pres. McVey Is Banqueted

President of U. N. D. is Entertained By A. C. Faculty At Gardner.

The President and faculty of the College gave a dinner at the Gardner in honor of President McVey of the University. The speakers of the evening were President Worst and President McVey. Both discussed the conditions of the A. C. and the U., laying special emphasis upon the spirit of co-operation between the two institutions. Over sixty members of the faculty were present, the first time such a large number have attended a like function. This shows the rapid growth of the Agricultural College and the enlarged number of faculty members. Prof. Minard had entire charge of the arrangements and great credit is due him for the perfect manner in which every detail was carried out.

MENU.

Cotuits on Half Shell
Queen Olives Celery En Branch
Tomato Boullion En Cup
Radishes Wafers
Cutlet of Fresh Lobster Tally and Hot Rolls.
Sliced Cucumbers Potatoes Julienne
Champagne Punch Wafers.
Roast Young Turkey Giblet Gravy
Grilled Sweet Potatoes Cranberry Sauce
Lettuce and Tomato Salad
Toasted Water Crackers
Pineapple a la Melba
Charlotte Rosse Small Cakes
Coffee.

Boarding Club Is Organized

Boys Decide to Have Happy Home of Their Own.

A number of the students have at last started a real boarding club. This is a plan which has been much talked of but up to this time has never been given a trial. The present attempt is to be made on thoroughly business principles. Twelve of the boys have organized and elected as officers, Mr. McDonald, President, and S. V. Anderson Secretary and Treasurer. A house has been rented just east of Broadway, a housekeeper engaged and all arrangements made.

A complete set of by-laws has been drawn up to which each member must agree before joining so that there can be no disagreement as to the affairs of the club.

The boys moved into their new quarters Monday and, while the plan is still in the experimental stage, there seems every prospect of its success, and its progress will be watched with great interest.

The L System clothes. Try them.

Mathematicians And Scientists To Meet

Association, of Which Dean Bolley is President Holds Session at Mayville.

Program of North Dakota Association of Science and Mathematics Teachers:

President's Address: Observation and Teaching—Prof. H. L. Bolley, Agricultural College.

The Teaching of Agriculture in the Public Schools—Supt. G. F. Forster, Harvey.

Agricultural.

How to Give Sciences Their True Value in the Class Room—Supt. Jesse C. French, Minnewaukon.

Teaching Biology in the High Schools—Difficulties and How to Overcome Them—Prof. A. M. Bean, Fargo College.

The Correlation of Physical Geography with the Biological and Commercial Phases of the Subject—Prof. M. N. Pope, State Normal, Mayville.

Teaching Arithmetic so That it Shall be Realized—Supt. F. E. Smith, Wahpeton.

Applied Mathematics—Prin. G. R. Davies, Amenia.

What Botany Shall be Taught During the First Year of Plant Study.—Prof. M. A. Brannen, State University.

Elementary Algebra in the High School.—Supt. Nelson Sauvain, Casselton.

Education as a Science.—Prof. A. D. Weeks, Agricultural College.

The meeting is to be held in Mayville, Nov. 6th, 1909.

A large attendance is requested. The program will begin at 9:30 a. m., and as soon after lunch as is possible.

The Normal School will entertain the Association at 12 o'clock luncheon in the dining hall.

It is hoped that there may be a good display of apparatus and work and that every member may do his utmost to make this meeting helpful. Bring any such apparatus or work with you that all may reap the benefits of your enterprise.

H. L. BOLLEY, Pres.

C. R. TRAVIS, Secretary.

H. S. Team Wins From Alexandria

Preps Win Their First Game With Score of 12 to 6.

GOOD FOOTBALL PLAYED

Game is Characterized by Clean Fast Work.

The A. C. high school team played their first game of the season Saturday when they met the Alexandria High School team on the A. C. field. The weather which looked threatening early in the day proved excellent for the game although it remained cloudy.

(Continued on page 8).

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

Cement Laboratory Now Fully Equipped

Thoroughly Modern Equipment Is
Installed for Experimental
Work.

During the past few days the Cement Laboratory has been fitted up with a large amount of new equipment and the facilities for experimental and research work greatly improved.

A boiler for accelerated tests as to the soundness of cement has been put in. In this boiler "pats" of cement are heated to ascertain their behavior in expansion. New molds have been added so that now thirty briquetts can be made at one time. These briquetts are very carefully made from the various kinds of cement and with different proportions of sand and are then tested for tensile strength, hardness, etc. To insure uniformity of results standard molds are used, which are made according to a plan adopted by the American Society of Civil Engineers.

The testing machine with which the strength of the briquetts is tested is a Riehle, which works automatically and has a capacity of 2,000 pounds.

The tables are fitted with slate tops to facilitate the work of mixing samples of cement. Along one side of the room is a range of bins for the storage of sand and cement. There are fifteen bins in all, each having a capacity of about one sack of material. Various kinds of cement are kept on hand, while all the sand used is Silicas and from Ottawa, Ill. The sand from this locality is accepted as standard and is used in all cement laboratories.

A complete set of sieves ranging from four to 200 meshes per inch for sand and gravel analysis, a pair of Gilmore needles for testing setting qualities, a special scale for determination of fineness of cement, a Vicat apparatus to test rate of set and two standard specific gravity apparatus have been purchased recently. The supply of small apparatus, such as graduates, thermometers and breakers has been replenished and greatly enlarged.

What might be called a masonry museum is being collected for demonstration purposes. The collection will be made up of the different types of brick, building stone, sand, gravel and raw material from which cement might be made.

PROMINENT MEN SPEAK AT GRAND

Lectures for Coming Month Will
Be of Unusual Value to
Students.

The Sunday evening lectures to be held at the Grand the next few weeks are of special interest to students.

Oct. 31—Prof. E. A. Boehmer of the Fargo College Conservatory of music will give a lecture, recital and interpretation of Rich-

ard Wagner's opera Valkyrie. This is the second of the series, the first an interpretation of "Rhinegold." The second opera in the Nieblungenlied cycle was given last year.

Nov. 7.—Wilson M. Backus of Minneapolis will deliver an address upon Positivism and Religion.

Nov. 14.—A. E. Winshup, editor of The Journal of Education, will speak. He is one of the best known and will deliver an address on Making Boys Manly.

Nov. 21.—Prof. B. F. Shambaugh, head of the department of political science at the University of Iowa, one of the most brilliant speakers of the northwest, will speak on The Community of True Inspiration.

JUNIORS CAPTURE DARING RODENT

Mouse Appears in Feeds and Feeding Class Room. Dynes is Hero of Occasion.

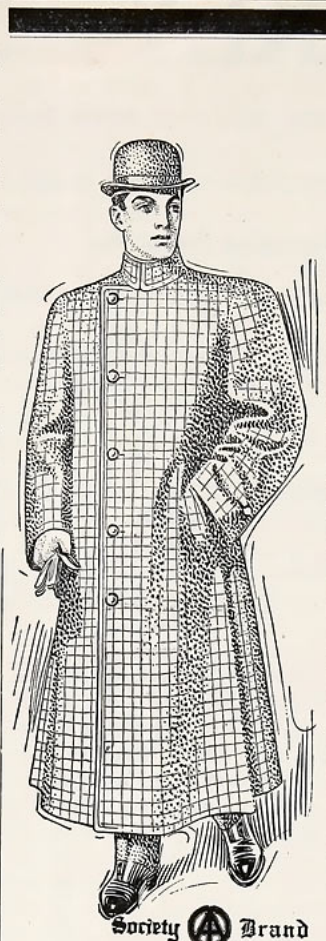
Pandemonium reigned! The Junior class in Feeds and Feeding had discovered a mouse in the classroom. Headed by the redoubtable Barrett they made a rush for the venturesome animal in a futile attempt to capture him; but the wily mouse eluded them and took refuge in a half empty pail of grain. His resourceful pursuers were not to be daunted, however, and leaving Dynes on guard the remainder of the class hastened to the Soils Lab in search of suitable equipment to affect a capture. They were just returning with various munitions of war when Dynes succeeded in getting a half Nelson on the mouse and held him fast. The captive was triumphantly imprisoned under a glass funnel and a heated discussion as to the best means of transferring him to the Domestic Science department was just in progress when the second bell rang and cut short the episode. During the class period the mouse escaped.

BOLLEY ATTENDS LANKIN CARNIVAL.

Dean H. L. Bolly was in attendance at the Lankin Fall Carnival or more properly name Street Fair or Market Day. He acted as a judge in the vegetable and grain display and delivered two short talks while there, one upon the state seed law and its provisions, explaining how the farmers could make use of the facilities offered by the seed laboratory at the Agricultural College. He stated that there was a very fine exhibit of corn and that the prizes were liberal. One gardener, a woman, exhibited thirty-one different varieties of vegetables.

GROWING RAPIDLY BIOLOGY DEPARTMENT

There has been added to the bacteriological equipment of the Biological department one of the largest size incubators. There is also a large shipment of special pieces of apparatus and equipment for the various laboratories of this



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the different class rooms of the department are occupied to the division of the college.

These new pieces of equipment will very greatly facilitate the experiment station investigations of the department and also furnish facilities for a largely increased number of students. There are thirty seven Freshmen in Zoology alone and almost an equal number in the elements of bacteriology, while the Sophomore class in structural botany is also a large one. The addition of the two new laboratories to the department by the changes made in Science hall came just in time to in part meet this new growth.

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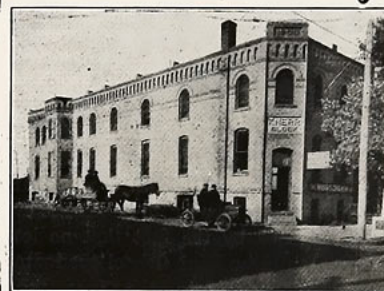
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Fall Military Orders Announced
 Many Appointments and Promotions Made in the Band and Company.

Military Department, North Dakota Agricultural College, Oct. 18, 1909:

Orders No. 2.
 (1). The following appointments and promotions are hereby made in the North Dakota Agricultural College Cadet Battalion: Cadet John Budd Wentz to be First Lieutenant and Adjutant; Cadet Frank Peters to be Sergeant Major; First Sergeant Henry Reddy to be Color Sergeant.

On the recommendation of the Director of Music the following appointments and promotions are made in the Cadet band:

Chief Musician Spencer Wallen to be Principal Musician; Corporal Olaf Hendrikson to be Sergeant; Cadet Roger Amidon to be Corporal; Cadet Harold Backman to be Corporal.

Company A.
 Cadet F. A. Williamson to be Captain, by selection. Sergeant Clarence Waldron to be First Lieutenant; Corporal Smart to be Sergeant. Corporal Fritz Mergenthal to be Sergeant; Cadet Albert Lorin to be Corporal.

Cadet William Storland to be Corporal. Cadet Roy Dynes to be Corporal.

Cadet Earl Davis to be Corporal. Cadet Donald Brinton to be Corporal.

Cadet Clarence Walters to be Corporal. Cadet Hugo Gunkel to be Corporal.

They will be obeyed and respected accordingly.

(II). It is expected that all officers and non-commissioned officers will study the Infantry Drill regulations embracing the school of the squad, company orders and extended order, ceremonies of parade, guard mounting, etc., so that when the ceremonies take place each one will be able to perform his part without a mistake. Repeated mistakes will forfeit the appointment.

JAMES ULIO,
 Major, U. S. A.
 Professor of military science and Tactics.
 Approved,

J. H. WORST,
 President of College.

RULES REVISED.
 Up-to-Date Version of Dormitory Rules Is Sent to Officer.

Since the rules governing the young ladies dormitory appeared in last week's issue, the following up-to-date revision has been sent to the office:

1. All young ladies must be in their rooms after 7:30 a. m., during the school week.

2. All lights must be out at 10:30 p. m., except by special permission of the Junior Faculty. Extra charges will be incurred against said faculty for violation of this rule.

3. Morning bells will sing as follows:
 Rising 6:30
 Shoes on, head dress arrang-

ed 6:32
 Beds made 6:50
 Condensed cream and crackers 7:13
 4. Male callers received only Saturday, Sunday, Monday Tuesday, Wednesday, Thursday and Friday, and may be received only on the piano stool. They may remain until they leave.
 5. Young ladies must attend school and regular college functions, such as strolling bees, etc. They must inform their escort of their intentions before going.

Why It Is Necessary To Study Singing
 By Edyth H. Grasse.

It is evident that in the beginning of a musical career, a number of people labor under the impression that, to have a naturally beautiful voice, is to make vocal lessons unnecessary. This is without doubt a mistaken idea, for it is not more reasonable to suppose that one must understand the proper placement of tones, from a scientific standpoint in order that purity of tone may be preserved and the voice generally cared for.

It is indeed a well established fact that a great amount of labor may be expended upon the most perfect voice outside of interpretation or songs and arias and reading of music. A beautiful quality of tone is due partly to the fact that singers have not acquired in childhood, a large number of tricks of speech and wrong use of the voice, resulting in conditions that have become second nature.

As the average beginner is the one with a more or less faulty method of tone production, it is principally with him we have to deal. As he is practically unconscious of this condition, it requires months of painstaking care on the part of the pupil and extreme vigilance on that of the teacher to eliminate these faults, but the singer need never despair for it can surely be accomplished and the reward is great.

As the voice student sees with his eyes alone, the elusive nature of voice culture, is evident. The piano student's task is, on the other hand, far more simple, for he has before his physical vision a ready made instrument and the printed page.

One of the greatest difficulties with which teachers have to contend is the inability of students to cultivate the initiative. One-half hour of experimentation with their own voice, would bring to mind more questions than a teacher could answer in a dozen lessons.

Without the ability to discriminate between the right and wrong action of the vocal and allied organs the singer will sooner or later lose his or her beauty of tone. The action of the vocal apparatus involved in singing must be automatic, but, as a general rule with an automatism which is not natural but which comes from intelligent training and painstaking practice. It would seem at a first glance that this statement is not without a flaw, but we must remember that a "so-called naturally beautiful voice" as I spoke of in the first paragraph, is one with timbre, sweetness, freedom from throatiness, etc, but which has to become sure of itself through a set method of production, understood by its owner.

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 there is no limit to what this voice may accomplish, but we find comparatively few with sufficient will power and perseverance to reach the goal. On the other hand, very often, the more handicapped pupil will far outstrip his more talented brother.

THE EVER DELICATE QUESTION.
 "How old are you, madam?" asked the cross-examining lawyer. The woman blushed deeply, and, stammering, blurted out: "I—I," and stopped short. The attorney looked guilty. "Please, madam, quickly," he urged in a gentle voice. "It's getting worse every minute, you know."—Chicago Daily Socialist.

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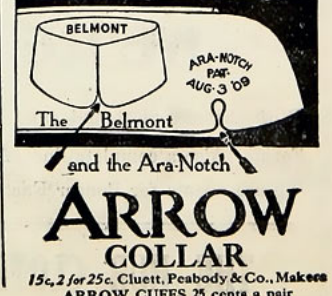
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THE WEEKLY SPECTRUM

Published every Tuesday of the school year by the students of the North Dakota Agricultural College, at Ulsaker Bros., 207 Broadway, Fargo, N. D.

J. Allen Clark, Publisher

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In collecting the news for the week is quite often happens that some items of more or less importance are omitted. Such omissions should not be taken as personal slights, as the true cause is nearly always that none of the staff happen to hear of the event. While we make every effort to keep in touch with all that takes place about the College, the field is so broad that some things are sure to escape us each week. The number of such omissions would be greatly reduced if every student would take the trouble to inform some member of the staff of any item of interest which may come up.

A number of the student organizations have shown this spirit of co-operation by appointing a member to report their doings. Such action is greatly appreciated by the staff and if individuals would also help to keep us informed there would be much less likelihood of important items being overlooked. If you know of any news we would be most grateful if you would either inform some member of the staff or have the information put in Box 57 at the post-office.

On Saturday afternoon Fargo College and the State Science School of Wahpeton played a tie game on the Wahpeton field. By comparative scores this gives Fargo College a standing superior to our own. At the same time however it gives us a chance to turn the tide in our favor. If we cannot play Wahpeton a return game we will at least have a chance to beat Fargo College, a thing which Wahpeton failed to do. Our team has just won one of the seasons most important games by a score which allows of no argument. This too was done on hostile territory with no rooters to support them. Surely on the home field with every student there to cheer them on they should stand an excellent chance of winning the game with Fargo Col-

lege. It must be remembered, however that Fargo College will also be playing at home and will have a backing of rooters quite as enthusiastic as our own. Therefore every student should make it a point to be present and give the team every possible encouragement.

Some of the exchanges tell of heated discussions as to the pros and cons of caps and gowns for seniors. Some maintain that as a time honored custom the caps and gowns should be retained. Others declare that the only function of a distinguishing form of dress is to gratify the conceit of the seniors by making them conspicuous.

Neither of these two arguments seem to cover the whole question however. To be sure the seniors cap and gown descends to us as a custom of long standing but like most customs it has some reason for existing. It stands for work accomplished just as does the degree which the graduate receives. If the senior expands his chest and considers himself wisest among men simply because he wears a gown, that is the fault of the individual, not the custom. Certainly the senior should realize better than any one else how small a portion of this world's knowledge one small cranium can encompass.

From another standpoint it seems perfectly proper for the members of the graduating class to have some distinguishing mark at certain general student gatherings. From the beginning of the Freshman year to commencement day, every advance the student makes represents weeks and months of study toil and to mark out those who are about to achieve the goal toward which all are striving not only places credit where credit is due, but offers an incentive to numbers of the lower classes to attain a like position.

BUSY INSTITUTE SEASON PLANNED

Twenty Seven Institutes To Be Held During Next Two Months.

Work in the institute schedule is being pushed as rapidly as possible as the following dates have already been fixed:

- Hazleton, Nov. 2nd.
- Brofy, Nov. 3rd.
- Linon, Nov. 4th.
- Dauson, Nov. 6th.
- Beach, Nov. 8th.
- Belfield, Nov. 9th.
- New England, Nov. 11 and 12th.
- Dickinson, Nov. 13th.
- Richardton, Nov. 15th.
- Glenullin, Nov. 16th.
- Hebron, Nov. 17th.
- Thorson, Nov. 22nd.
- Powers Lake, Nov. 23rd.
- White Earth, Nov. 24th.
- Wheelock, Nov. 26th.
- Buford, Nov. 27th.
- Stanley, Nov. 29th.
- Dogden, Dec. 2nd.
- Ryder, Dec. 4th.
- Douglas, Dec. 6th.

The North Dakota Agricultural College

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

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

THE LABORATORIES AND SHOPS ARE THOROUGHLY EQUIPPED
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EXCEPTIONAL ADVANTAGES ARE OFFERED IN BIOLOGY, CHEMISTRY, DOMESTIC SCIENCE, LITERATURE, MATHEMATICS, ENGINEERING AND VETERINARY SCIENCE.

Graduates from approved High Schools are admitted to the Freshman classes of all courses. Credit is allowed in the Agricultural and Manual Training High Schools for all work done in the secondary schools.

TUITION FREE—Board and Room, \$3.75 to \$5.00 per Week.

For Catalogs and Circulars Address the Registrar

AGRICULTURAL COLLEGE

NORTH DAKOTA

- Max, Dec. 7th.
- Marion, Dec. 14th.
- Litchville, Dec. 15th.
- Nome, Dec. 16th.
- Kensal, Dec. 18th.
- Niagara, Dec. 20th.
- Larimore, Dec. 21st and 22nd.

LOST.

A Remson's College Chemistry. Finder will please return to Chas. Ruzicka or leave at P. O.

Plans for a rhetorical system in the high school department are now being made. Every high school student will be required to give a declamation, read an essay, or give a debate. The complete system will be announced in the near future.

Mr. John Dinwoodie underwent an operation for appendicitis at St. Luke's Hospital last Tuesday. At present we are pleased to report that he is fast recovering and hopes to leave the hospital this week.

Professor Sheppard left yesterday for the Dry Farming Congress where he will deliver an address, "Dry Farming Progress in

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North Dakota.' He will be accompanied to New Salem, where they will inspect the demonstration farm. Prof. Sheppard will also consult with the members of the Holstein Breeding circuit of New Salem while there. On his return he will visit the Dickinson and Hettinger sub-stations to look over the plant breeding experiments. Mr. Lanxon also expects to be there at the same time

to consult about work to be done there in the future.

All students who wish to enter the Declamatory contest will please enter their names on the register of Prof. Arvold before Nov. 1. Several new features and rules will be introduced this year. A catalog of the best declamations used in the schools and colleges of the country is on file here.

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NOTICE.

There will be a short but very important meeting of the Lyceum of Engineers at 4:30 p. m., Thursday. Every member is urged to be present.

Kieth McGuinn greeted old friends yesterday when he returned to resume his college work. "Better late than never."

Y. W. C. A.

The class in Mission Study met at the usual hour at the Dormitory on last Wednesday evening and was led by Cecilia Eyolfson. The study of "The Christian Conquest of India" proves more interesting as the work advances and much interest is shown by the attendance at the meetings. The Missionary Chairman now reports an enrollment of thirty one members.

HESPERIAN.

Oct. 29th.

Program.

President's Address Oscar Knudson
Humorous Reading. Max Waldron
Essay H. Sturtzel
Music Selected
Debate:—Resolved that Dr. Cook was the first man to reach the North Pole.
Affirmative—Donald Brinton, M. Ostby, J. Kerr.
Negative—Max Waldron, R. C. Dynes, Clarence Walters.
Business meeting.

PHILOMATHIAN.

Friday, Nov. 5, 1909.

Topic Program, Love and Friendship.

Roll Call Quotations on topics
Song Alma Mater
Emerson's Essay on friendship Agnes Halland
"Peacepipe" from Hiawatha Will Stapleton
"Joney" from Rily Clarence Waldron
Vocal Solo, The Arrow and the Song Mabel Piers
"By the Fireside," Browning Elsie Pelissier
Walt Whitman's, Love for Soldier Boys J. Allen Clark
"Old Aunt Mary's," Rily Isabelle Rose
Critic Miss Simmons
Auld Lang Syne Audience

A. C. P. C.

The A. C. P. C. dispensed with its regular meeting on Friday evening in order that all might attend the Faculty reception, but held a business session on Friday afternoon, at which the proposed amendment to the constitution was discussed.

GRAND PARADE FOR RETURNING WARRIORS

Enthusiastic Crowd Greet Team At G. N. Depot and Hold Triumphant March.

In honor of the football warriors returning from their victory at Brookings the students held a triumphant celebration Saturday night that outstripped all previous events of like nature.

Notice of the plan had been given the night before and for half an hour before the arrival of the eight o'clock train students congregated from all directions at the G. N. depot. The band was out, and as the train pulled in struck up a lively air, while under the efficient leadership of Messrs. Keeney and Thomas the crowd lifted up its voice in vociferous welcome.

A college team and wagon was in readiness for the returning players and they were loaded in amidst the acclamations of the mob. A parade was then formed with the band leading followed by the team while the remainder of the students in close ranks brought up the rear.

The triumphal procession took its march down Broadway to N. P. Avenue, where they halted while the band played once more. The original formation was then assumed and the entire body marched back to the college. Here everything was in readiness for the closing feature of the evening. The crowd filled into the Armory and dancing was begun.

After the first dance Captain Haskins was called upon for a talk and told briefly the story of the game against the S. D. A. C. Later light refreshments were served by the Domestic Science girls, having been prepared under the efficient management of the Misses Morrow and Carken. Dancing was then resumed and furnished entertainment till after eleven when the merry throng dispersed. It is safe to say that the event will be long remembered by all who participated.

SEASON'S OPENING RECITAL THURSDAY.

Miss Grasse and Pupils Will Appear Before Public for First Time This Term.

There will be an informal musical by Miss Grasse and pupils on Thursday afternoon at 4:30. There musicals are held every few weeks after chair rehearsal and all students of the department of music are requested to be present. Friends of the pupils are cordially invited to attend. Those on the program for next Thursday are Miss Grasse, Misses Ruth Hull, Ethel Peterson, Beatrice Alm, Suzie Lettner and Mr. T. O. Beckwith.

DARLING GOES INTO THE POTATO BUSINESS

Our Darling, official Book Store magnet, had decided one bright day last spring that there was more money in potatoes than in books. Accordingly he set out and planted his entire estate near "Flynn's" corner in "spuds." No one can estimate the weary evenings spent in hoeing the crop or the backbreaking task of exposing them to the light of the world. Suffice it to say, that last week Mr. Darling wheeled the entire crop, 3 1-2 bushels, downtown, and it is rumored that he has since become very enthusiastic over the potato business, and intends to publish a bulletin on the subject

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JANE CORCORAN with "Commencement Days" Co. Fargo Opera House, Oct. 28th.

very soon. Any one interested along this line will please call at the bookstore at any time for further particulars which will be gladly furnished.

Walter Knoop is absent from classes on account of illness.

A number of the foot ball men returned by way of Aberdeen last week and registered for Indian land. They say their chances are about one in eighty five.

LOST.

An Alpha Mu pin (white stone arrowhead with triangular gold shield) with initials R. E. M., on the back. Finder please leave at the Registrar's Office or the Post-Office.

A number of the Junior Faculty are patiently and painfully "Learning to Dance." Contrary to all expectations none of the guilty ones appeared on the floor at the reception. Probably they are saving their enthusiasm for the after luncheon frolics at the dormitory.

The L System clothes for College men. A complete line can be found at the Hub, Moorhead. H. Bachenhimer, Proprietor.

Mr. Otis Larson has been absent from College for the past few days on account of the death of his sister. The Spectrum unites with Mr. Larson's many friends in extending him sympathy in his bereavement.

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Most Respectfully

C. J. Feller,

Fargo, - - - N. Dak.

Library Extension

Discussed At Polytechnic

Dr. Batt Tells of Conditions in Leading European Countries.

At the last meeting of the Polytechnic Society the address was made by Dr. Batt on the subject "Library Work in Great Britain and Germany."

"Before starting on my European trip, I armed myself with a letter of introduction, kindly given me by Miss Ahern, Editor of Public Libraries. It proved to be a veritable sesame for where ever I applied for admission I was heartily welcomed and shown every possible courtesy. I knew in a general way what was the library situation in Europe ten years ago but I did not know when I left here in June that much more progress had been made in a decade than in the entire previous century especially in Great Britain, and above all in Germany. Some phases of this notable progress I wish to record briefly.

Scotch and English Libraries.

So far as library extension in Scotland and England is concerned, a single glimpse will describe it: non est. In a country where one cannot travel over two hundred miles without wetting his feet, and where the population is relatively very dense, there seems less need for traveling libraries. This, at least, is the Englishman's point of view. He will explain to you that most people live within easy reach of a town, and if they have any desire to read, they will have access to the town library. If, however, this privilege is denied them, and they cannot afford to buy books, then they had better get along without them. The state has never supplied rural districts with reading material, and why should they do so now? And that's the end of all argument. Inasmuch as this phase of library work does not exist there, I could visit only city libraries.

And so I wended my way to the

Lieth Walk Library. Upon entering I was attracted at once by the large glass cases, some eight or ten feet in height, containing thousands of blue and red little cases, all carefully numbered. These, as I saw on closer investigation, contained the charging record of each book; when the book is out, the red end of the case or pocket is visible to the borrower, when it is in, the blue end is shown. The colors are reversed for the library attendant. Thus each borrower can see for himself whether the book he wants can be obtained. This elaborate indicator arrangement seems necessary, so I was told, because the Scotchman is proverbially suspicious and cannot be convinced readily that the particular book that he wants it out. But "Seeing is believing" and hence this blue and red checkerboard effect.

When I entered the reading room, I was somewhat surprised to find that all the readers kept their hats on. There was no cloak room nor any hat racks to be seen. The chances are that the men would not have hung up their hats for fear of having them exchanged or spirited away altogether. Petty thieving is, it seems, much more prevalent in Europe than in this country.

Two other features seemed peculiar to this library: a play room and a gymnasium. Some wealthy merchant had left in his will a fund for the establishment of social centers and the authorities deemed it best to combine with the library a place of recreation. In this way they believed that the patrons would be tempted to read magazines and books. And apparently their scheme was successful. When the men grew tired of chess or backgammon, or when they could find no partners, they would step into the reading room and look around for something entertaining or useful to pursue. Both the playroom and the gymnasium were well patronized.

German Libraries.

At the close of the nineteenth century Germany began to bestir herself in regard to public library matters, and in the last few years

she has made remarkable progress. Even library extension, as we understand it, is found in at last two of the provinces, Posen and Silesia. But before entering upon a discussion of library conditions there, I wish to report some things that interested me in one of the larger libraries I visited, that of Heidelberg. This is a University Library, and is housed in a beautiful modern building, completed only a few years ago. It took no less than three and one half years to construct it, and yet it is poorly lighted. The architects seemed to have forgotten that library attendants use their eyes and must have light when looking for books in the stack room. My guide told me an interesting fact regarding their catalog. Previous to 1870 they had a card catalog, but with the advent of a new chief this was replaced by a book catalog with removable slips. The reason for such a change is this: The librarian believed that it would be of more advantage to the user of the catalog if he could see at a glance all the works of the same author. The present incumbent does not agree with his predecessor regarding this matter, but of course it would be a stupendous task to reinstall the card catalog at this time, hence they continue the book catalog.

The present administration is more generous than former ones and permits even non-students to use the library, provided they can furnish proof that they are engaged in some serious investigation. For here as nearly everywhere else in Germany, the line is sharply drawn between scientific and popular libraries. In the former, there is found, as a rule, no fiction or books of travel published later than the 18th century.

And now I come to that phase of library work which is perchance of greatest interest to us in America: Library extension. This, for a number of years past has been under private management, the Society for the Promotion of Popular Education, with headquarters at Berlin, standing sponsor for it. This society sends upon payment of a small membership fee, to any community that makes application, a collection of books selected by the secretary of the club therein organized. During the past year the afore mentioned society sent out no less than 1253 traveling libraries containing over 60,000 volumes. Barrack rooms are also supplied. Thus in the year 1907 forty-five military posts secured libraries of twenty volumes each.

More recently, however, the provincial government in one or two cases has undertaken the management of traveling as well as stationary public libraries. The reason for taking this step in Posen was as follows: When the Polish population of the eastern province discovered that the government, during Bismarck's regime, had set out to germanize them systematically, they organized in self-defense, a society for the purpose of establishing free Pool-libraries. This society had established by the end of 1907 no less than 1423 free libraries in four provinces, the total number of volumes numbering over 250,000. The books most frequently called for were novels or treatises of a religious nature. The unexpected progress that the society was making in rehabilitating the Polish language led the Prussian government to inaugurate a system of libraries such as is unparalleled in all

Europe. With the establishment of the Kaiser Wilhelm Library in the city of Posen in 1902 begins a new era in the history of German libraries. Here for the first time was tried the experiment of organizing a library on the plan common in this country, that is the combination of the scientific (technical) and popular collections. Whether or not this type of library is adopted to their conditions is still a matter of heated discussion. At all events the library in Posen is steadily gaining in popularity and is liberally supported by the government.

The chief librarian is also in charge of the 47 traveling libraries for which about 15,000 Marks (\$3,750) annually are appropriated. The 2000 volumes comprising these libraries are used by people in all stations of life and if they do not succeed in making patriotic Germans of loyal Poles, they at least aid in democratizing the readers."

Following the lecture on Foreign Library Work, a very interesting and instructive illustrated lecture was given. The slides showed gave very clear ideas where these libraries went to, their growth and manner of distribution. Of particular interest were the views of libraries on wheels and the libraries in northern lumber camps.

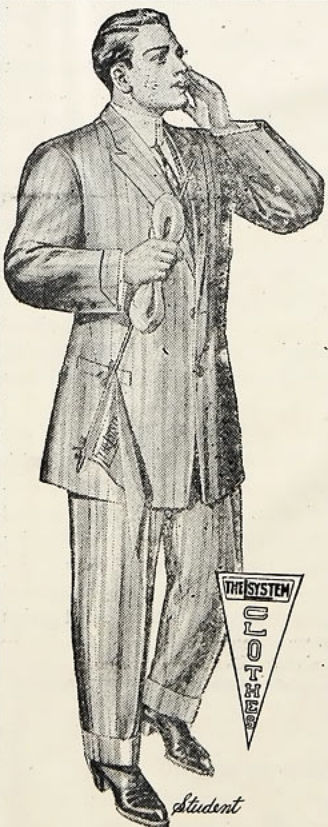
COMPANY B ORGANIZED.

Company B was partially organized last week and will get well started in the next few days. The prospects are excellent and a larger company than ever before is assured. Already over fifty men have reported for drill in "B" and more will continue to arrive for a number of days.

Dean Mendelhall will be Captain of this company and all promotions will be made from the company itself, instead of drawing on company A as has been the custom in the past.

First Girl: "Is Darling the one with light hair or the one with dark hair at the bookstore?"

Second Girl: "Some Darlings are light haired and some are dark haired, but this one has light hair."



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PERSONAL
Miss Jes Thompson spent Saturday and Sunday at her home in Ayr.

(Overheard at the game): First Boy—"Why don't those girls yell?"
Second Boy—"They can't yell; they board the dormitory."

Work has begun on the addition to the Chenal building and it is hoped to have the new laboratory ready for use during the winter.

Mr. Ludw Lewis greeted old friends at the college Wednesday when he stopped off on his way to Aberdeen.

Mr. Clyde Bailey went to Minneapolis the first of last week where he will spend the next week or ten days in the food laboratory at that place.

The Spectam acknowledges a pleasant call from the janitors last week, when a waste paper basket and lean windows were added to the office equipment.

Don't forget "College Night" at the Fargo operahouse, Thursday evening, Oct. 28.

Thursday evening, Oct. 28, will be college night at the Fargo operahouse, at which time John Cort will present for the first time in our city "Commencement Days," a play of college girls' life in three acts, by Virginia Frame and Margaret Mayo. Bring your colors.

Frederick V. Bowers heads the big company which will be seen at the Fargo operahouse Oct. 28, in "Commencement Days." Mr. Bowers plays the part of Billy Douglas, "Just out of Columbia," and gives an interpretation of a college youth which is absolutely inimitable.

Of course you are going to see "Commencement Days" at the Fargo operahouse on Thursday evening Oct. 28, as it will be "College Night." Being a comedy of college girl life there is of course, plenty of girls used in the production, something like thirty-five.

Dr. Crewe, our state veterinarian and Dr. Tracey, inspector in chief of the Animal Husbandry department of the U. S. Department of Agriculture for North and South Dakota and Montana were here consulting with Dr. Van Es Thursday.

Professor Waldron has received letters from farmers in the northwestern part of the state to the effect that the last frost has done considerable damage to the crops in that locality. One farmer lost fourteen thousand bushels of potatoes and forty acres of cabbage. He estimates his loss as high as three hundred dollars per acre upon the cabbages.

Professor Waldron is intending to make a trip Saturday to the Smith farm at Stump Lake to look over a five hundred acre tract of forest. The owners want to perpetuate this tract for the purpose of growing timber. This has not been doing well for the past few years and Prof. Waldron has been called upon to advise the further management of it.

With the enrollment of students in the Power Machinery and Farm Husbandry courses, three new classes in mathematics have been organized. The enrollment of the students in the department of mathematics is between two hundred and fifty and three hundred.

M. B. Johnson has been working on moisture determinations on soil from the demonstration farms of late.

Prof. Sheppard was at Langdon Thursday and Friday, inspecting the sub-station at that place.

Miss May has been overworked the past week explaining to our future chemists that those little glass cups were beakers, and those pipes with a rubber hose attached were not smoke stacks, but Bunsen burners.

Adolph Tiegens, the college driver, is wearing even a happier smile than usual since a ten-pound girl arrived at his home the first of last week.

Pres. Worst has accepted an invitation to attend the Dry Farming convention at Billings, Mont., as the guest of Pres. Elliott of the Northern Pacific railroad. The convention is to take place this week.

Dormitory Girl: "Who is doing all this washing?"
I. H.: "Miss S."

Dormitory Girl, to Mrs. S.: "Is all that washing yours?"
Mrs. S.: "No, part of it is my husband's. Next week he's going to do the washing at home."

Dorm. Girl: "Gee! I guess I'll get a man to do mine."

One of the faculty members got so filled with college "spirit" the evening of the faculty reception to President McVey, that while examining the Eurora Borealis he fell off the sidewalk. As a consequence he has been limping around in much the same manner that Otto would after a football game.

"Commencement Days" is underlined at the Fargo operahouse for Thursday evening, Oct. 28. The action takes place at a college for girls, and the types of charming American young womanhood so prolific and varied in such institutions are deftly sketched. All of the characters introduced contribute in a more or less important way to an interesting story, of which the loss of various sums of money by theft is the basis. The theme is worked out logically and without either absurd theories or inconsistent situations.

Professor Sheppard inspected the substation at Langdon last Thursday and Friday and planned a cropping system for the future. This is a new station, being established last spring and is a subject of much interest in that part of the state. Prof. Sheppard saw some of the corn which school children were sending to the county superintendent of schools in the corn growing contest. This was splendid corn, fully matured, and gave great promise of corn growing in the northern part of the state.

As a couple of boys were passing the Dormitory the other evening they heard the most unearthly sounds issuing forth. On further investigation they learned that the girls were only practicing on a trombone.

Miss Lulu Challey spent the week end at her home in Lisbon.

Lembeke and "Shorty" Hall are fighting for end on the second team.

Overheard at the reception — Sorority girl with m. w. hat to bald headed prof.: "You will pardon me if I have mussed your hair up."

Dr. Van Es says by the way things are moving now the new veterinary building may be ready for occupation at Christmas, 1921.

Supt. Porter inspected the demonstration farm at McLeod and Carington last week. Work on these farms was done in a very satisfactory manner this year.

Mr. Dolve and Assistant Supt. Johnson were at Wehpeton Saturday surveying out a system of surface drainage.

N. B. Helin went down town without Nick one evening last week.

Dolve says they have diamonds at the Ten Cent store. Wonder how he knows?

The librarian states that the increased amount of reference work done by students the past week has been very noticeable.

Supt. Hoverstad made two personal visits into Kidder, Morton and Oliver counties to learn agricultural conditions in that part of the state. Mr. Hoverstad always endeavors to have the lectures of each individual institute comply with the needs of the surrounding country and it was with this idea that he made investigations in these counties.

In Cooking IV., the girls are going to give a series of breakfasts, luncheons and dinners. The first one was served last Thursday, when Miss Halland and Miss Pelisser prepared a three-course dinner and served it to the other girls. This Thursday the lady faculty will be entertained.

Lars Welo made a trip to Bismark Thursday, returning the same day, to try his luck in getting land at the opening of the reservation. While there he saw Ed Moore, who said he expected to pay us a visit about Thanksgiving.

While in Aberdeen last week Associate Editor Hunt visited with Mr. Chrisian, a former student of the college. Mr. Chrisian completed the commercial course a year ago and now holds the position of cashier in the First State bank of Aberdeen. While at the A. C. Mr. Chrisian was a member of the band, and is now connected with this line of work in Aberdeen.

In all, these improvements represent a cost of over \$500 and make the laboratory thoroughly up-to-date. It now furnishes facilities for any ordinary experiment and whatever new apparatus may be added in the future will be such as is used only in experiments of great delicacy which are seldom performed.

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H. S. TEAM WINS
FROM ALEXANDRIA
 (Continued from page 1).

The field was also in the best of shape and in every respect, conditions were ideal for the contest. The game had an additional interest for A. C. students from the fact that Wm. Lanxon one of last years graduates is connected with the Alexandria High School, and a large crowd was in attendance, when the game was called at 3:30.

Alexandria won the toss and chose the south goal. The A. C. then kicked to their 15 yard line where they held Alexandria for downs and forced them to punt, when they lost the ball. The A. C. then began a steady march down the field and shoved Bell over the goal line for a touchdown after seven minutes of play.

Alexandria kicked off and after five minutes hard play in the center of the field during which time neither side gained any advantage, the A. C. team worked several clever forward passes, which took them to Alexandria's 10 yard line and from there Olson went over for the second touchdown in one of the best line smashes of the season. Ridly again successfully kicked the goal.

Alexandria once more kicked off to the A. C., and again our men pushed irresistibly down the field to the 5 yard line where they were when the referee's whistle sounded at the end of the first half, leaving the score 12 to 0 in our favor.

At the beginning of the second half Alexandria again kicked off and this time held their opponents. During the greater part of the half the battle raged back and forth near the middle of the field. At last with but a few minutes left to play Alexandria got away for 55 yards on a forward pass and scored a touchdown 20 seconds before the end of the half. The game ended with the score 12 to 6 in our favor.

Time of halves, 25 minutes. Referee, Harrison, umpire Steward of Grand Forks; field judge, Culver of Mayville.

As a whole the high school team made a very creditable showing. Many of them had never had experience in an actual game before and in addition to this they were playing a team that outweighed them by nearly 15 pounds. In the backfield Captain Ridly, Bell, Meke and Hannon showed up well while Olson probably did the best work in the line, particularly in carrying the ball. If the boys continue as they have started out they

should make an enable record for themselves before the season is over.

PASTE DAY IS NOW
ADDED TO HISTORY

Over Three Hundred Copies of College Songs and Yells Distributed last Wednesday.

The first official paste day occurred Wednesday, October 20th, and proved to be a grand success. Over three hundred copies of songs and yells were pasted on the fronts and backs of the students' text books. New students were particularly interested and were the principal factors in the pasteing. Copies of the yells and songs with paste may be secured at the Spectrum Office, Book Store and Prof. Arvold's room. It is hoped that every student who has not secured these will feel free to ask for them. If you don't know the College Song and Yell it is your business to get them and learn them at once. Large copies of songs and yells will be posted in each recitation room in every building, during the next week. Before the spring term is over it is hoped that everybody will be able to sing and yell.

In the near future an inspector will go around asking YOU, so be prepared. Paste day will now be one of our annual events.

"Oh, you kid." He wears an L System.

The dormitory has received its annual supply of dell pickles—one barrel.

And it was a box of safety matches at that, well, what do you know about it? Lucky it didn't happen the night of the Faculty Banquet or our Bacteriological Specialist might have ruined his Tuxedo.

Don't forget to look at that new sign in Grocer Flynn's window.

Associate editor Dodge went to his home at Devils Lake Friday evening on business and incidentally to do some hunting.

Pres. Worst delivered an address at Michigan City on Friday when an agricultural exhibit and street carnival was held at that place.

Prof. O. O. Churchill has been appointed one of the official delegates to the National Corn Exposition to be held in Omaha, Neb., from Dec. 6th to 12th.

Plans are on foot in the high school to form a girls' literary society which will probably be called the Castalia. Meetings will be held upon the same evenings as the boys' literary society, the Hesperian.

Have you seen the Hub ad. It shows the grace and symmetry of the L System clothes.

Mrs. McVety has made a complete list of all books in the library on oratory and declamation for the use of students interested in public speaking.

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