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NORTH DAKOTA AGRICULTURAL COLLEGE, TUESDAY October 19th, 1909.

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Varsity Man Gives Convocation Address

President McVey of U. N. D. Tells of the Business Organization of Agriculture.

QUOTES VITAL STATISTICS

Shows Successive Stages in the Evolutionary Advancement of Agriculture.

The convocation exercises yesterday morning were of unusual interest to all students from the fact that the address was delivered by Dr. McVey, President of the State University. After the usual scripture reading and prayer a cornet solo was rendered by Dr. Putnam. The speaker was then introduced by Pres. Worst, who announced the subject of the address as "Business Organization of Agriculture."

"The keynote of American History," Dr. McVey stated, "has been the winning of a continent." In this great work the farmer is the man who has ever stood pre-eminent. The pioneer must depend chiefly on agriculture for sustenance and in the nature of things the advance guard of civilization must be composed largely of farmers. Nor does the tiller of the soil become of less importance as the country becomes settled for no matter what developments may take place, the farm is still the base of supplies. It was only recently, however, that the true importance of agriculture came to be appreciated and systematic attempts began to be made to improve farm methods and conditions.

During the last twenty-five or thirty years a great evolution has taken place along these lines. Science has been brought to bear on the problems of agriculture and improvement has been most rapid. It is estimated that \$700,000,000 are saved annually in this country by the improved methods and equipment now in use on the farms.

Yet, for all this, men of authority agree that farming is still nearly a generation behind manufacturing and business. The great weakness in applied agriculture at the present day seems to be the lack in careful business management. More consideration should be given to the unit of cost. That is, the farmer should know, as does the manufacturer or merchant, the exact cost of production of every farm product.

The time is past where each farm is "self sufficing" and as the market for agricultural products widens and the farmer depends more and more on manufactured products he must conduct his work on a more strictly business basis. He must know the cost of production of an acre of different grains and make his crops fit the price of his land. For instance it has been proven by careful experiment that the cost of producing an acre of wheat is such that

on \$50 land a yield of over 13 bushels is necessary for any profit whatsoever.

Thus it may be seen that a more thorough business organization of farming must be had before its full development can be attained. When this is accomplished, and not before, will the farmer come to his full inheritance and with such a system, "Success will be spelled in the future even larger than it is spelled now."

At the close of the address, Pres. Worst in behalf of the student body tendered his most hearty thanks to Dr. McVey and the exercises were brought to a fitting close by the singing of "The Yellow and the Green."

A. C. Loses To Wahpeton

Forward Pass Puts A. C. on the Hummer in First Half.

SENSATIONAL PLAYING IS DONE BY FOSS.

A. C. Braces Up and Gets Down to Business in Second Half.

Saturday afternoon the A. C. lined up against the Wahpeton Science Aggregation in the first game of the season on their home field. The day was ideal for football and a large bunch of rooters had, at an early hour assembled to witness the coming conquest. The rooters massed themselves about the bleachers and gave vent to their enthusiasm from time to time, however in spite of all the leaders could do to arouse them from their stupor many of our students who had shown such diligent promise at the mass meeting Friday morning, closed up like clams and voiced their enthusiasm by "Watching the Game."

At 4 o'clock the whistle sounded, and Wahpeton kicked off to us from the North Goal. Foss received the ball and advanced it about 15 yards before he was downed. Then followed two line bucks with very little gain, after which we punted. Then followed a comedy of errors for our fellows in the nature of forward passes which our fellows were unable to fathom. At the middle of the field we finally held them and they were forced to punt. Miller muffed the ball and a Wahpeton man got it. Wahpeton immediately lined up and worked another of their forward passes for a touchdown, failing to make a goal.

The A. C. next kicked off to Wahpeton from the north goal, then followed another detachment of forward passes, the A. C. receiving the ball on fumbles a couple of times were unable to accomplish anything until finally Wahpeton landed the ball about four inches from the goal line, an A. C. man stretched full length along the line dislodged the ball in getting up so that it rolled

led over. Then followed a "Joint Debate" for twenty minutes or more which finally resulted in the Wahpeton Official prevailing on the decision for his home team. Wahpeton did not however kick this goal either. In the same manner of playing and beefing Wahpeton secured one more touchdown and kicked a goal. Right here our men woke up on Wahpeton's kick off Foss again received the ball to be Corporals, Spencers of straight line bucks which landed us about 5 yards from Sciences' goal line when the whistle sounded for the end of the half.

In the second half we played them off their feet and made a touch down and kicked a goal within the first five minutes of play. Wahpeton kicked off to us from the South Goal, Ueland received the ball, but was tackled before making much of a goal. After this we forward passed and short kicked until we advanced the ball well into Wahpeton's territory finally securing another touch down, however, we did not make the goal.

During the remainder of the half we kept the ball well into Wahpeton's territory, however the whistle sounded before we could make another touch down.

The game was characterized throughout for its long delays wherein Wahpeton attempted to tell the officials about the fine points of the game. However they were merely playing to kill time and get their wind and this was indeed the only thing that saved the day for them.

The line-up was as follows:—

A. C.	S. S.
Hendricks, Page	le A. Voes
McKinstry	lt Manikowski
McDonald	lg Bordahl
B. Haskins	c Hackett
Biersdorf	rg Ziegelman & Smith
W. Haskins	rt Schuman
Ewen	re Ujka
Miller	qb Donovan
Foss	lhb M. Voses
Bridge	r h b Cheesiak
Ueland	fb Gilles, & Ziegelman

Officials—Kalmbach and Shankin.

Time of Halves—Twenty Minutes.

Touchdowns—A. C. Two; Wahpeton, Three.

Goals—A. C. One; Wahpeton One.

History Of Alpha Zeta

Origin, Purpose and Present Standing of National Frat.

A year ago the upperclassmen in Agriculture, feeling that the Agricultural Club, nor any other organization then existing at the College met with their needs, decided to establish a society which would afford advanced training along scientific agricultural lines, join the students in a stronger bond of fellowship, and at the

(Continued on page 8).

Dr. Van Es Home From Europe

Head of Veterinary Department Spends Summer In Government Service In Europe.

Orders Large Amount Of Specimens And Equipment For New Course While Abroad.

On Wednesday of last week Dr. Van Es returned to the college after an absence of nearly four months, the greater part of which time was spent in Europe.

Last June, soon after the close of the spring term Dr. Van Es was appointed by the federal government to represent the U. S. at the Hague Conference of Veterinarians and stock men which was to take place the following month. One of the purposes of the meeting was an attempt to harmonize the meat-inspection rules of Europe and America.

Dr. Van Es left Fargo immediately after receiving the commission and proceeded to Chicago where he spent a week visiting the packing houses and studying methods of inspection. From here he proceeded to Washington where he conferred with Dr. Melvin of the Department of Agriculture and a few days later sailed for Europe, going directly to The Hague. Here he remained until the end of the conference which was in July. Dr. Van Es' principal address before the conference was on hog cholera, a subject on which he is an accepted authority.

After the close of the conference the Doctor spent his time traveling thru Germany, France and Denmark gathering data on the various aspects of meat handling and inspection in these countries. In this work he met with the greatest difficulty in Denmark this being the only country where he could not speak the language. This made the use of an interpreter necessary and considerably hindered proceedings. As all this work was of an official nature no statement of results can be given.

During his travels the Doctor took the opportunity to order a large amount of specimens and apparatus for the new Veterinary Course at the College. In all over \$3,000 worth was ordered, most of this in Germany and France.

One of the most interesting pieces of equipment ordered was a model of a horse made up of over 3,000 detachable parts. This model will cost \$1,000 but will be the best of its kind and will be invaluable for demonstration purposes in the lecture room. Besides this complete model, a large number of models of separate parts were ordered. The high cost of these is due to the great skill required in their construction. Those ordered will be made by some of the most skillful workmen in Europe.

For osteological purposes a very complete set of skeletons was procured. The list includes

skeletons of a horse, a bull, a goat, a dog, a pig, a cat, a turkey and a chicken; thus representing all the important types and constituting one of the most complete collections in the country.

Large orders were also left for embryological specimens and instruments. In several instances these orders caused great consternation on account of their size, the Europeans being unused to the American way of doing things.

At last on September 25 Mrs. Van Es met him in New York and accompanied him to Washington where the Doctor handed in his report. From the Capital City they proceeded to Madison where they paid Mr. P. S. Rose and family a pleasant visit and returned thence to Fargo.

All College Reception Friday

Faculty Entertains at Most Important Reception of Season.

Probably the most important social event of the coming week will be the All College Reception which will be held in the Armory on Friday evening. This reception, which is held annually, is one of the few social functions which are entirely managed by the faculty. In this case the reception committee, will be composed of the president and heads of the departments, while committees have charge of the various details. Refreshments will be prepared and served under the supervision of Misses Hoover and Fowler of the Domestic Science Department. Dancing will be chief among the evenings entertainments. All students are especially urged to be present, as a goodtime is in store for all who attend.

Fraternity Men Give Seasons First Ball

Alpha Mu Entertains Large Crowd at College Armory Saturday Evening.

The first dance of the College year was given by the Alpha Mu Fraternity in the College Armory on last Saturday evening, Oct. 16.

The walls were artistically decorated with College banners and ropes of crepe paper in the Fraternity colors, intermingled with the College Yellow and Green extending from the ceiling to the galleries.

Music was furnished by Putnam's orchestra and all present report a splendid time and the Fraternity boys royal entertainers.

It is said that Prof. Waldron will move into the old veterinary rooms, in Francis Hall, as soon as they are vacated by Dr. Van Es.

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Prof. Waldron Back From Extensive Trip

Head of Horticultural Department
Visits Fruit Growing Re-
gions of West.

Prof. Waldron returned to Fargo last Wednesday morning from an extensive trip through Washington and Oregon. Prof. Waldron made this trip in order that he might receive some first hand information upon fruit growing from the growers.

He visited all the principal fruit growing centers in the two states, spending about a day in each. He reports that many North Dakota people are settled in those regions. The fruit raisers are bringing the grade of fruit raised to a very high standard, and little attention is paid to the quantity. Many orchards are under poor management, and the grade of fruit raised so low that a great many apples are let go to waste. The growers who by care and patience have succeeded in putting a high grade of fruit upon the market are rewarded by top-notch prices, some very fancy apples selling at \$15 per box. The fruit growers' associations are helping to raise the price of apples. These associations send out fruit inspectors, whose duty it is to examine every box of apples that is packed, and to discard any which do not come up to standard, thus the buyer is always sure of the quality of fruit he is buying. Prof. Waldron comments upon the fact that while the western fruit growing regions contains a great many such associations, the eastern part of the country is practically without any. The confidence of the quality of fruit grown in this region, as shown by buyers, is illustrated by the fact that several carloads were contracted for by an Englishman at \$2 and \$2.50 per box before the crop was raised. These were shipped to England.

Prof. Waldron also visited the Lare fruit districts of the Yakima Valley and the Hood River Valley. He also looked up some fruit lands which several parties in Fargo are interested in, and reports that they will be a good investment.

DYNES BUILDS MODEL HEN HOUSE.

A new poultry house is being built on the station under the direction of Mr. Dynes.

This will be a model winter laying house. It is not an experimental house in any sense, but one well adapted for commercial use.

This building is built in the shed roof style, with a curtain front. It is 36 feet long, 14 feet wide, 81-2 feet high in front and 5 feet high behind. It is divided into two rooms. The floor and foundation is made of cement, the wall of single board, while the roof is covered with sheet roofing. This house is recommended to anybody who intends to build a hen house.

Let Nurseries Plant The Trees

College Proposes Plan Whereby
Farmers May Contract for
Both Trees and the
Planting.

For a long time the college has been working on various plans to encourage tree planting throughout this state. The greatest difficulty to be overcome seems to be the fact that at the time when trees should be planted farmers are engaged in the spring work and are unable to find time to attend to the trees.

To meet this difficulty, a plan is now proposed whereby the nurseries would not only sell the trees, but also plant them. It could quite easily be arranged so that the farmers could contract for a certain number of trees to be delivered and set out. The cost to the farmer would be but little greater than if he were to hire his own help, and there would be the additional advantage of having the work done by experienced workmen. If such a system were to be perfected a good field would be opened to horticultural graduates as directors of the planting for the nurseries.

IDENTIFICATION OF PLANTS COMPLETED.

Dr. Bell Finishes Work on Specimens
Collected During
Summer.

The identification of the plants collected by Dr. Bell during the summers of 1907 and 1908 has recently been completed. Dr. Bell made this collection in connection with the Biological Survey of the state. Amongst the collection many specimens new to the state were found. There were several specimens not previously reported in the state that were found in Morton and Richland counties and were widespread in distribution. During the past summer the Biological Survey was throughout Ransom county, and the materials collected will be identified as soon as possible.

BOARD MEETING HELD LAST WEEK.

Much Business Makes Two Day
Session Necessary.

The first meeting of the board of trustees since the opening of the school year was held Tuesday and Wednesday of last week. As a large amount of business required attention, the session was prolonged to two days.

Besides a large amount of routine business, a number of special topics were considered and three appointments made.

Dr. Cliff was appointed Assistant Professor in Veterinary, to take up his duties January 1. Mr. Cliff was for some time a practicing veterinarian at Park River, N. D., and since last spring has been doing post-graduate work at



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the University of Chicago. He will take charge of the work in physiology.

Mr. G. L. Martin was appointed Professor of dairying, and will also begin his work the first of the year. Wm. Lanxon, '09, was elected superintendent of the Hettinger Sub Station, to take charge as soon as he finishes his year at the Alexandria High School.

Added to the "don'ts" for freshmen and girls at Read Hall, the girls' dormitory at the University of Missouri, the edict has gone forth that the first year girls must not wear silk kimonas. Sophomores who are enforcing the other regulations say that they will insist particularly upon this clause.—Ex.

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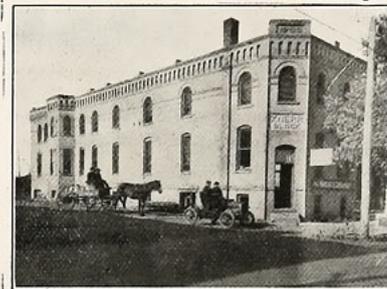
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Universal Speech
Is Discussed
Need for a Common Language
Most Keenly Felt, but Not
Yet Fully Supplied.

There are comparatively few who know of the history of international speech. The general idea is that it is something very recent; the purpose of the founders was not to replace any one language, but to form one that would act as an auxiliary language. The attempts to form such a language have been very numerous and from early times. Descartes, a philosopher, in a letter of 1629 forecast a system of a regular universal grammar.

The ideas of all such works may be classed under three groups. First, Apriori, a language built arbitrarily out of old languages, which is very difficult to acquire. Second, Aposteriori, one not coined arbitrarily, but from existing languages, in which the root idea cannot be changed, but gives great flexibility.

Third, a mixed language, a combination of the first two. One in which the roots are taken from existing languages, but endings, suffixes and prefixes are arbitrary.

All attempts to form languages of the first class have been unsuccessful. The second class has had the largest number of successful attempts. The first real attempt was made by Sir Thomas Urquhart in 1653, which was known as Logopandekterson. This language was based on 17 letters, representing 17 main classes. A Frenchman made a musical inter-
politon in 1817 based on the seven musical notes of the scale, called Sotreso. There were a large number of successful attempts, but in 1880 Bishop Scheyer published a language known as Volapuk. This language grew very rapidly, and was largely studied and used until in 1889 there were over 1,000,000 adherents, with 40 papers and periodicals being published, and with three successful international congresses held. Finally, at this time, difficulty arose between Bishop Scheyer and the academy, which resulted in breaking up the language, Idiomneutral being the new language formed. There is at the present time a publication printed in the old Volapuk and several in the Idiomneutral.

In 1889 Zamenhof, a Russian, introduced in the University of Warsaw an international language. Zamenhof had worked from the age of 12 upon this, and it was finally published in 1889. Since that time there has been over 30 attempts, but this has been the most successful thus far. Esperanto has been changed to some extent, and has come out under the name of Ildo-Esperanto, and is now employed at international congresses by over 1,000,000 people. A large number of papers and periodicals are printed in this language.

This shows that it is practical and can be used with a great deal of advantage.

NOT BY AESOP.
Mrs. Hen, having performed her oviparous function, took a constitutional around the yard. Returning to her nest, she found it empty, and clucked angrily. "What's the trouble, ma'am?" asked the rooster. "It's mighty funny," she grumbled, "that I can never find things where I lay them."—Boston Transcript.

RULES GOVERNING YOUNG LADIES' DORMITORY.

- 1.—All young ladies must be in their rooms after 7:30 p. m. during the school week.
- 2.—All lights must be out at 10:30 p. m., and girls temporarily leaving their rooms must be careful to turn lights off. Extra charges will be incurred for violation of this rule.
- 3.—Morning bells will be rung as follows:
Rising 6:30
Breakfast 7:15
Dining room doors will be closed at 7:20 a. m.
- 4.—Gentlemen callers will not be allowed except on Friday and Saturday evenings, and may be received only in the parlors. They must not remain later than 10 p. m.
- 5.—Girls are prohibited from going out after 7:30 p. m. without written permission from the Matron (Mrs. Luella Marshall), and under no circumstances to remain out later than the time indicated in such permission.
- 6.—Young ladies are permitted to attend church, Y. W. C. A. meetings and regular college functions, such as literary societies, etc., but must report their intentions to the matron before going.
- 7.—Bills for room and board must always be paid at least one month in advance.

COLLEGE EXHIBITS LIVE STOCK.

The College had an exhibit of live stock at the State Fair in Grand Forks last summer. As a result the College won two beautiful trophies among other prizes. One of these was a handsome silver cup, won on the best fat steer adapted for the packing house trade. This prize was given by the Minneapolis Commercial Club Wholesale Trade Committee. A bronze medal was offered for the champion steer at the fair, and this was also won by the College. These winnings indicate that the animal husbandry department is well equipped for instruction in Stock Judging.

NOT QUITE TALL ENOUGH.

A great part of Holland would be under water but for the vast dykes or embankments which the Dutch have built to keep out the ocean. Frederick the Great was anxious to conquer Holland and make it part of his possessions; so one day he invited the Dutch ambassador to witness a review of his army, and after one large body of troops had marched by he said to the Dutch ambassador: "What do you think of those men?"

"Good soldiers," replied the ambassador, but not tall enough." Another large body of troops passed by and Frederick again asked: "What do you think of those men, and received the same reply: "Good soldiers, but not tall enough."

Then came Frederick's great bodyguard, composed of giants, which the king had brought together from all parts of his kingdom, and with a triumphant air, the king again asked the ambassador: "What do you think of those men?" and again the same reply: "Not tall enough."

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"What do you mean?" said Frederick.
"I mean," said the ambassador, "that we can flood Holland eight feet deep."
The king concluded not to attempt the conquest of a country which could be flooded eight feet deep.—Apples.

Miss Williston spent Tuesday evening with her friend, Miss Lucy Carlen.

Miss Mabel Mechtel, from Canada, visited her cousin, Grace Shelton, last Saturday.

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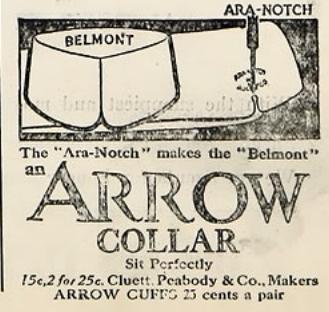
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THE WEEKLY SPECTRUM

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 an extract from "The Daily Cardinal," which Prof. Arvold read at the rally on Friday, the following plan of yelling was described: "A Yell King" is elected to have general charge of the rooting and each class chooses a leader who acts as a lieutenant.

The classes then practice regularly under their leader in preparation for a contest for the "College Megaphone." This megaphone is each year awarded to the class which on the day appointed for the rooting contest, does the best work with the college songs and yells. The numerals of the victorious class are inscribed on the trophy and there is great rivalry for its possession.

Under this system everyone learns to root and when the time comes for rooting at a game of other college event, the whole student body root by classes under the class leaders. In either case good organized yelling is assured.

To encourage the adoption of such a system at the A. C., Manager Dynes has offered to procure the best megaphone he can find if the classes will only organize and do their part.

One of the city dailies indulged in a delightful fantasy recently, when a large sized cartoon and accompanying write-up appeared on the front page describing how a newly arrived Freshie was met at the entrance to the campus by Sophs and duped into buying a "Kampus Ticket."

The story was most graphic, made an excellent space filler, and gave evidence of imagination which should win the author fame as a writer of Diamond Dick novels. However it had not even the most shadowy foundation of truth but merely shows to what extremes our average dailies will go to acquaint its readers with "facts" and fill worthless space, and the public should not let it figure too largely in their conception of A. C. customs.

A large amount of mail is constantly coming to the College P. O., addressed "A. C. College," showing how widespread is the misconception of what A. C. stands for. The letters A. C. come from the words Agricultural College so that to say "A. C. College" is a needless repetition. In many cases the expression is used entirely through carelessness but in any event should be avoided.

NEW LATHES FOR MACHINE SHOP.**Important Addition To Equipment Of Machine Dept.**

During the past week there have been added to the machine shop equipment three new lathes and a "Yankee" drill grinder. Mr. Ohlin has been engaged in the mechanical department for some time lining up shafting and installing this machinery so that the lathes will be ready for use as soon as they can be bolted to the main shaft.

The largest of the three lathes is truly a monster. It will accommodate a piece of wood 19 inches in diameter and 8 feet long. The lathe itself is over 13 feet in length and weighs nearly two tons. It is very solidly built so that it will be able to withstand the shock of handling heavy work. It has both belt and gear feeds with a five step cone pulley, two speed clutches, compound rest and automatic cross feed, giving it a wide range of speeds and making it suitable for a great variety of work.

The next largest of the lathes is as fine an example of the lathe builders art as can be found. It has a 6 foot bed and a 15 inch swing and will accommodate work 3 feet 4 inches between centers. Of course it has a positive feed together with an automatic cross feed and compound rest, but the feature which is the most novel is the automatic change gear. On this machine by the mere shifting of lever any one of the 32 different screw threads of which the machine is capable can be cut. This same lever also controls the feed so that there are 32 feeds which gives quite a range and makes this an ideal machine for all but the very heaviest class of work.

The third lathe is a smaller one and lacks the complete equipment of its larger fellows but nevertheless it is a better lathe than is ordinary found in small machine and repair shops.

The "Yankee" drill grinder is an ingenious arrangement whereby the novice is enabled to give the correct shape to the end of a drill. On an ordinary emery wheel this is an operation which requires an expert.

The department has also purchased a 24x24 inch planer which will take work 2 feet high, 2 feet wide and 6 feet long. This planer is expected to arrive within a week or two. It is like all the rest of the machinery which the

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mechanical department purchases of the highest grade, and when this planer is installed we will have a machine shop that will be able to take every kind of work.

The Business Manager wishes it announced that those who have subscribed and as yet have not paid up will be taxed an extra quarter at the end of the college year. Look over the terms on the 4th page and then get busy.

Another addition will be available next week for the foot ball squad in the person of Frank Darrow.

The State Board of Pharmacy will hold its regular fall examinations Tuesday in the Pharmacy Laboratory. However the board does not expect a very large class this time as the majority of the men line up to "Get Theirs" in the spring term.

Ham Green, a former student at the A. C., is in town attending one of the local business colleges.

Wahpeton turned out quite a bunch of fair ladies to cheer them on, no wonder they played fast.

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In order to insure recognition for his acknowledged brilliance, Otto has had the North Dakota Decorating Co. at work on his trousers.

Wahpeton girl:—(Sunday afternoon as a tall good looking gentleman appears on the second veranda of the Dormitory) "I thot that was the ladies' Dormitory!"

Ford raised the price of a megaphone or got it in the usual way and succeeded in "bawling out" his friends at the game Saturday.

While the editors may not be in a position to throw stones, still they have been able to gather some very interesting data regarding the professors who work on Sunday.

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Chester Holkesvig has been appointed Student Manager of Athletics, and from current report is becoming very popular in his new role.

The band boys revived old memories Saturday by taking another of those breezy open ear rides around town.

Chas. Michals was up with his foot ball team from Fergus Saturday and spent the morning showing his friends about his Alma Mater.

Forage fodder for fair females, was seen on the dormitory steps, in the form of a cabbage head, you may take this literally or otherwise.

Y. W. C. A.

The usual fortnightly devotional meetin was held in the parlors of the Dormitory on last Wednesday evening, Oct. 13. The meeting was led by Grace Briscoe who chose for her subject "The Power of Personal Influence." In treating this subject a selection by Jordon on the same subject was read and then the speaker pointed out many ways in which our own personal influence will in a great measure help in the character building of others.

The next devotional meeting on October 27th will be led by Fern Dynes and Mary Thompson on the subject "College Girls' Temptations and How to Overcome Them."

Each meeting shows an increase in attendance and all College Girls are cordially invited.

ENTERTAINS SORORITY

Miss Lillian Merritt delightfully entertained the members of the Delta Phi Beta Sorority on Wednesday afternoon. After a short business meeting during which the officers for the coming year were elected, delicious refreshments were served.

HESPERIAN.

The Hesperian Literary Society held its second regular meeting on Friday evening with a good attendance, nearly thirty being present. No definite program had been arranged for and the principle event of the evening was an address by Prof. Arvold.

ATHENIANS.

The Athenian Literary Society convened for their regular meeting on last Friday evening, Oct. 15, in the Society room.

The audience was favored by a piano solo by Miss Helen Heath, a former society member, and who is now a student at the Fargo College Conservatory of Music and shows much talent along musical lines.

An original story "A North Dakota Romance" by Ben Barrett proved to be very entertaining. Miss Addie Stafford in her oration on Theodore Roosevelt held the attention of her audience throughout her entire selection. A

paper by Paul Funderhide on Aeroplanes was very instructive and also the final number, a paper by Ruby Gibbens on "Some Facts About Governor Johnson."

The meeting was concluded with the singing of "Our Alma Mater."

FIRST FOOTBALL RALLY PROVES GREAT SUCCESS.

Students Listen to Inspiring Addresses and Practice Songs and Yells Before Game.

The first football rally of the season took place at 11 o'clock Friday forenoon, when all classes were dismissed and students and faculty congregated in the old chapel room at the Main Building. The purpose of the rally was to stir up enthusiasm, and the meeting opened in characteristic manner by a vigorous rehearsal of the college yells and songs.

Prof. Arvold, who presided, then announced President Worst as the first speaker. The president spoke on the importance of football and enthusiasm, while the amount of noise a body of students can make is not in itself so highly creditable, yet the enthusiasm which it expresses is a factor of the utmost value, and deserves every encouragement. Especially is this true in football season. Only eleven men can represent the institution on the field, ball and enthusiasm. While the remainder of the students can support their team is by their encouragement in rooting and singing.

Following President Worst, short addresses were given by Profs. Richards, Dynes, Bell and Minard, and by Captain Haskins. All of the speakers emphasized the necessity of the undivided support of the students as expressed by good united rooting. No matter how strong and well trained the team may be, they cannot be expected to win when their fellow students on the side lines are unresponsive and give them no support.

Between speeches yells were practiced, Darling, Keeny and Olsen leading by turns, and at the close of the rally it was unanimously decided to have these gentlemen take charge of the yelling at the game.

Miss Ella Heidner was able to attend the foot ball game Saturday.

Jerome Lanzure appeared on the campus Friday having just returned from a summers survey in the western part of the state.

Work in the Physics laboratory began the first of last week. The instalation of new apparatus made laboratory work impossible up to that time.

Miller made his "Debut" in society at the Frat. Dance Saturday evening.

S. V. Anderson paid the Spectrum office a visit last Sunday, he stated that the place looked almost like home to him. "Andy" expects to buckle down to business and we are sure that his happy countenance will be a most welcome sight to his host of friends.

The College Band still continues to grow; thirty-one now being enrolled.

The following promotions were made in the Band last week; Corporal Olaf Hendrickson to be Sergeant; Privates Amidon and er Wallen has been appointed Chief Musician.

Y. M. C. A. Lecture Course

LESSON 1909-'10.

- Schubert-Quartette Concert Co., 6 peopleOct. 19
- Frank Dixon; Lecture Nov. 16
- Cambrean Walsh Chorus, 12 male voices Nov. 23
- Dr. G. O. Shields, Lecture..... Dec. 6
- Dr. Andrew Gillier, Lecture..... Dec. 14
- Elias Day and Wife, HumoristsJan. 31
- L. B. Wickersham, Lecture..... March 24

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Roger Amidon is busy solving Bachman to be Corporals, Spence the mysteries of a new slide trombone these days.

Chas. Ruzika's father paid him a visit the last of the week.

The second Band organized this week and the Music Hall once more resounds with fearful din.

Otto has discovered a method of breaking the monotony of a rear view of a football formation.

Associate Editor Hunt left last Friday for his home at Havana, N. D. Hunt expected to stop on some of Uncle Sam's free land at Aberdeen, S. D.

Miss Helen Normand has been unable to pursue her studies for the last few days on account of illness.

Much copy for the North Dakota Farmer's Institute Annual No. 9 has been sent to the printers. The cover and front page design of this annual is different from that of previous publications. It depicts a typical farm home.

The schedule for the Farmer's Institute begins Nov. 1 this year, which is much earlier than usual. The first institute will be held at Hazelton, near Pres. Worst's old home. Many requests are coming for meeting in connection with school bond meetings and corn shows.

Dormitory Girl: "Gee! I wonder if Dr. Batts laugh is imported, too."

Following experiments covering a period of more than twenty years, Dr. Louis J. Smith of South Bend announced that he has discovered a substitute for chloroform, which contains no cocaine. During the last few weeks he has seen his discovery tested at Epworth hospital, this city, even to performing an operation for appendicitis, Dr. J. B. Greene of Mishawaka, being the surgeon in charge. The tests in every way are reported to have been successful.

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Miss Simmons Tells Of Summer Experiences

Describes Interesting Events on and About Campus of Her Alma Mater.

In reply to a request asking me to write an account for The Spectrum of the manner of spending my summer vacation, I will say that the greater part of it was passed in close proximity to the Chicago University campus, whereby I was constantly in the atmosphere of my alma mater, associating with university students, hearing instructive and interesting lectures and seeing the Ben Greet Woodland Players in Seamon Garden, a part of the large amount of land owned by the Chicago University. Of the many lectures listened to, those which conveyed the most benefit to me, perhaps, were the series given by James Weber Linn, assistant professor of English; also a series in sociology by Dr. George Edgar Vincent and Dr. William I. Thomas, and the three given on the afternoon celebration of the Holmes centenary.

Prof. Linn's series consisted of (1) The Child in Fiction; (2) Heroes, Heroines and Marriage; (3) Conduct Versus Adventure (4) Have All the Good Novels Been Written? In "The Child in Fiction," Prof. Linn said that the greatest girl child in fiction is George Eliot's "Maggie Tulliver," and that Mark Twain's "Tom Sawyer" comes nearest to the ideal of a boy in fiction. He emphasized the fact that the novelists will concern themselves more and more with the children, for they are of greater importance than the adults. In "Heroes, Heroines and Marriage" he gave credit to Charlotte Bronte for producing the first clever, able and high-minded woman—Jane Eyre, and to George Eliot for portraying women who lose not their individuality or interest when married, and to George Meredith for championing the cause of women. In "Conduct Versus Adventure," he laid stress upon the

accomplishment of a purpose in many of the modern novels; as that of Nemesis playing a strong part in George Eliot's novels and the attacking of sentimentalism in those of George Meredith's. In "Have All the Good Novels Been Written," he indicated the superiority of the technique of the novels of today over those of the past; that genius plus technique will produce the greatest novelists, and that the great novels still remain to be written.

Dr. Vincent, in his discussion of "The Republic of Plato," led his auditors to appreciate the fact that these ideal situations, while seemingly so impracticable, contained the suggestions of much that is being realized today.

Dr. Thomas, who is to speak at the Grand Opera House some time in the early winter, is a lecturer I greatly admire for his depth of thought and clearness of vision, which characteristics were evinced in his series on "The Relation of Woman to Present Interests of Society"; "The Education of the Savage Child"; "Yellow Journalism" and "Race Prejudice." In his first lecture was developed the thought of women, at the present era, being thrown into activity to take the lowest economic place, after centuries of non-activity; and that her weakness is conducive to her exploitation. Society is a despoiler. It is after human game. Society has not yet recognized the ruinous principles upon which it is based. Probably through observation, experimentation and education it will learn the needful lesson. Dr. Thomas, in his address on "The Education of the Savage Child," laid great stress upon the thorough discipline given to the savage youth, which helped to a solidarity of the group. "Yellow Journalism" was a denunciation of its evils, and "Race Prejudice" brought out the personality and habits of races and the prejudices and animosities displayed by one group against the customs of another.

The Holmes centenary exercises were given at Leon Mandel Assembly Hall on August 16, at 3:45 o'clock. An address on

"Holmes as a Physician" was delivered by Dr. James B. Herrick, who spoke of the medical vein running through Mr. Holmes' literature and of the literary value of his medical essays; that he was the most forceful combination the world has ever seen of a physician and man of letters. "Holmes as a Humorist" was presented by Prof. Linn, who set forth the force of Mr. Holmes' local humor, his elaborate and figurative wit in "The Autocrat of the Breakfast Table," his priority in being the most elegant of our writers and his superiority in occasional poetry. The third address was rendered by Dr. Samuel McCrothers, who, in an interesting and charming manner, talked of "Holmes as a Man of Letters." No one could have been chosen more fit for the occasion, since he is not only unusually familiar with the life and writings of Oliver Wendell Holmes, but he resembles him somewhat in appearance, and is endowed with a rich humor of his own. Moreover, he is gentle, gracious and elegant, as was Mr. Holmes. Dr. McCrothers considers Oliver Wendell Holmes one of the elect spirits of American literature. Though poet, novelist and essayist, he will probably be remembered for his essays. Dr. McCrothers placed Mr. Holmes in the first rank as a portrayer of the modern psychological ideas, and of the new conception of morals and social life. He saw more clearly than did his contemporaries that the time must come when the world will turn to morals. Spiritual pathology must be studied scientifically. In that he took the attitude of such writers of today as Miss Adams of Chicago, Mr. Divine of New York, Mr. Wood of Boston. Moreover, Mr. Holmes emphasized the new education, the uniting of scientific ideas with the humanities. We remember this man of letters because he allowed us to look into his interesting mind.

Turning now from the lectures to the drama, I will say that the plays which I saw rendered by the Ben Greet Woodland Players were: "As You Like It," "Merry Wives of Windsor," "The Tempest," "Twelfth Night," "Romeo and Juliet," besides the exquisite short play, "King Rene's Daughter," and the humorous short play, "Creatures of Impulse." To see these Woodland players on nature's carpet of green, with an embowered background, in a picturesque garden lighted by Japanese lanterns, with strains of exquisite symphonic music embellishing the beauties of the drama, indeed, not only was an enchanting scene, but an ever memorable one.

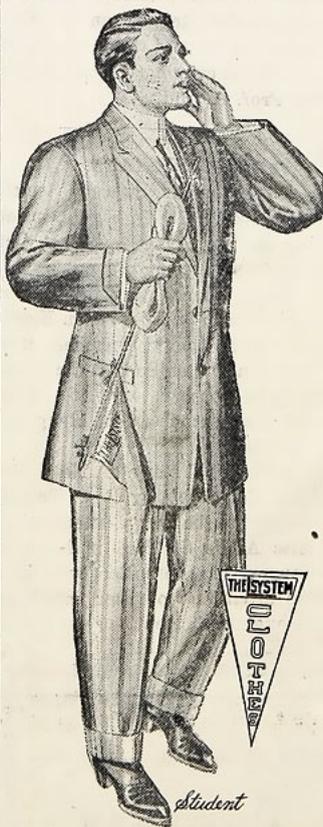
I was fortunate in hearing four other dramas of more or less repute, "The Servant in the House," "Shain," "The Climax" and "The Third Degree." The latter has aroused considerable comment, both pro and con. However, it was splendidly presented, and brought conviction of its sincerity to the hearts of its hearers.

Of the many concerts which I enjoyed, those which appealed to me most were the ones given by Marco Vessella's Italian band, the Philippine Constabulary band and the New York Symphony orchestra. Marco Vessella conducted his musicians with that fervor and enthusiasm which bespoke his nationality. Captain Walter H. Loving, the Afro-American, conducted the Fillipinos with quiet poise and dignity, while Walter Damroch, the conductor par excellence, ever

kept his orchestra under perfect control through his graceful, thoughtful and inspiring movements. In order to gain instruction and to derive pleasure from his famous Symphony orchestra, which was engaged for a number of weeks to play at Ravinia Park—and also that I might enjoy the beauties of Lake Michigan on the northwest shore, I spent the latter part of my summer vacation at Rogers Park with a friend who resides close to the beach. The fresh breezes, the sand, the lapping of the waves and the vision of the great expanse of water were a constant delight to me. Then my desire for fine music was gratified by the memorable concerts given at that beautiful natural park—Ravinia. An interesting feature of the last evening of the engagement of the New York Symphony orchestra was the playing of Haydn's "Farewell Symphony," which was rendered by the dim light of candles that were attached to the racks of each musician. Gradually, one by one, each musician blew out his candle, and then departed, the strains being continued by the remaining musicians, until finally only Mr. Damroch and one or two stayed behind; and as the last notes of the "Farewell Symphony" died away, they, too, blew out their candles and withdrew. Then the lights were turned on, and instantly a score or more of children bounded onto the stage, seizing a number of candles to bear away as souvenirs. So I have carried away from my summer vacation, not the candles, but "the gleam." The light that never was, on sea or land, The consecration, and the Poet's dream."

A. L. S.

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.



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PERSONAL

Mr. and Mrs. Freeman, Jr., visited their friend, Mrs. Marshall, at the dormitory during the past week.

Edwin Traynor was a most most welcome visitor at the Spectrum office Saturday morning, having just returned to take up his college work.

Prof. Keene was again absent from his 10 o'clock class on Wednesday.

Prof. Ziefe of the Pharmaceutical Department will address the next Polytechnical Society meeting on the very interesting topic, "Antitoxine."

"It's an ill wind that blows no one good." Since Martineau broke his shoulder in football practice he has joined the band, where he plays the E flat bass to Doc's great delight.

At the board meeting last Tuesday it was decided to drain the college farm, and Prof. Slocum was put in charge of the work.

Two of the girls at the dormitory the past week joined the ranks of the Idol Worshipers, and the other girls are anxiously watching mails, wishing that they too, might receive a Bilikin from some unknown source.

J. Warden Wheeler has been appointed student major to fill the position left vacant by V. C. Parker. A number of new promotions and appointments will probably be necessary in the near future.

Prof. Arvold is hard at work these days on a list of the heads of departments of oratory, and public speaking in the different colleges and universities of the country. Later he expects to add lists of literary societies and teachers of economics. These will be of value for reference to students engaged in debate or other public speaking work.

Professor—"What color is chlorine?"

Mr. H.—"I—it must be colorless."

Professor—"What makes you think it colorless?"

Mr. H.—"Why—I don't know—"

Professor—"That's just what I thought; you may be seated."

Prof. Remington at Polytechnical meeting cited a very interesting example of a physical phenomenon. A still in the chemistry laboratory had become empty and was red hot. Cold water was turned into it, and contrary to all suppositions the boiler blew in instead of blowing out. Similar experiments have been tried by eastern railroad companies, and the same results have been reported.

President Worst delivered an address at Whitestone Battlefield on Wednesday, the occasion being the unveiling of a monument to commemorate the soldiers who fell there. Although the weather was cold and disagreeable, President Worst reports a large crowd and very impressive ceremonies. Governor Carroll of Iowa was among the speakers, many of the soldiers engaged in the battle having been Iowa men.

The monument was erected on a hill overlooking the battlefield, and around it are ranged the graves of the soldiers, with a marble headstone at each.

Did Jerry ever get her 95c back?

V. O. Gunning is back and once more enrolls with the class of '13.

Dr. Harris had the misfortune to injure his hand while performing an operation last week.

The "Pacific Wave" has changed its name to "University of Washington Daily."

Edwin Evingson just got back the first of last week.

The cold weather drove the Railroad Engineering class indoors, and the week was spent copying and arranging data preparatory to mapping the survey.

Martineau went to Grand Forks Saturday on a business trip, and while there attended the University alumni football game.

Miss Helen Hoover presented the Botanical Department with specimens of Philippine plants, making a very valuable addition to the Herbarium. These specimens were collected by E. D. Merrill of the Government Laboratory at Manila.

The Larimore High School is issuing a monthly publication entitled the Oriole. The initial number arrived among last week's exchanges, and compares very favorably with the H. S. publications of the state.

Miss Maud Morrow was welcomed back by her college friends last Wednesday.

Word has been received that John White, formerly of the class of '11, is enrolled at the Montana A. C. at Bozeman this year, where he is gaining considerable prominence in football.

V. C. Parker, '09, has recently accepted an excellent proposition with the Gas Power Age, an engineering magazine which is being started in Winnipeg, and the first of its kind in Canada. The Gas Power Age, the first issue of which will appear November 15, is to be a 48-page, three-column publication. Mr. Parker will assume the position of editor in chief.

President Worst will deliver an address at Langdon at the time of the children's corn-growing contest the first of next month.

The program and arrangements for the Tri-State Grain Growers' Convention, to be held under the auspices of the college on January 18-21, 1910, are now being made.

R. S. Towle, another ambitious seeker of a happy home, went to Bismarek Saturday to draw on Indian land. On the way he visited at his home at Jamestown.

The old museum in Francis Hall is being fitted as a grain judging laboratory. Many splendid new tables have been installed and other apparatus added, so this year Prof. Churchil hopes to take care of all students who wish to take up this work. Last year this class had to shift around almost every day to any place it could find. Sixty students will take up work in that line this winter.

The new seed laboratory in Science Hall is in shape for work.

The Department of Animal Husbandry expects to make an exhibit at the Northwestern Live Stock Show, November 16-19. The exhibit will consist of fat cattle and sheep.

The greenhouse at the rear of Science Hall has been newly painted to prevent the sun from burning the plants.

Student assistants in the Department of Biology are engaged in cleaning seed grain.

Miss Grace Shelton spent Friday with her aunt on the South Side.

The teaching department in Bacteriology has been removed to a room in the basement of Science Hall.

Mr. J. C. McDowell, former professor of agronomy at the college, was on the campus Thursday. Mr. McDowell is now in the employ of the Department of Agriculture.

Reginald Dynes and Spencer Wallen were two of the belated upper classmen to arrive last week.

The Junior Class organized for the coming year at a meeting held Wednesday noon, when the following officers were elected: Chester Holkesvig, president; Henry Reddy, vice president; Agnes Halland, secretary, and Max Harrington, treasurer.

Letters have been received from Rex Willard, '08, and Kent Darrow, '09, in which they extend greetings to old friends at the A. C. Mr. Willard is now engaged in government work on soils, and is located at Rapid City, S. D. Mr. Darrow is attending the Johns Hopkins Medical School at Baltimore.

The Biological Department has received an addition of a dozen new tables for the use of students. These are large enough to accommodate three students. The tops have been nicely ebonized by a special preparation so that they will not show marks. The department has also received a new consignment of compound microscopes.

Prof. Bolley, as State Seed Commissioner, has been visiting the chief seed houses of the state during the past month, observing the various places of business and acquainting the managers with the new seed law and the facilities which the seed laboratory offer them. The commission has published bulletin No. 1, which can be procured at any time by writing to Prof. Bolley.

As the trustees of the institute have adopted a rule forbidding the freshmen to wear any distinguishing article of dress, the upper classes have voted to adopt class hats in order to be able to distinguish a freshman from an upper classman. The seniors have chosen red hats with black bands; the juniors, white hats, with purple bands; the sophs, black hats, with orange bands.—Rensselaer Polytechnic.

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HISTORY OF ALPHA ZETA.
 (Continued from page 1).

same time boost for the agricultural department. This society was launched under the name of Alpha Zeta Phi, and flourished till June last, when it became affiliated with the national fraternity of Alpha Zeta, under the influence of Prof. Doneghue.

The Alpha Zeta fraternity was established by students of the College of Agriculture of the Ohio State University, who, finding no society meeting their express purpose, founded the Townsend Chapter of the Alpha Zeta on Nov. 4, 1897. It has been suggested at times by those unfriendly to the organization that it was established by disappointed candidates to other fraternities but this is hardly proved by the fact that the two men who were most instrumental in its establishment were both "frat" men.

The first chapter was largely of a social nature. The members consisted only of those who had achieved success in some particular line, yet the qualifications included prominence either in classroom, athletics, college politics, etc.

The early history of this chapter is marked by the difficulties which surrounded every new venture. The enthusiasm and pluck of the organizers overcame all these obstacles, however, and we have as a result an organization which has a broad influence, and has accomplished much for the agricultural student.

The early years of the new Fraternity were not marked by a rapid growth. In 1898 the Morrill Chapter was established at the Pennsylvania State College, and in 1900 and 1901 Illinois and Cornell were added to the list. When Michigan Agricultural College joined the list by organizing the Kedzie Chapter, a new feature was added. With fraternities other than honorary debarred from the M. A. C., by the faculty, it was necessary that Kedzie be honorary, and this arrangement now followed throughout, has accomplished as a direct result higher standards in the agricultural course, and placed it on an equal footing with other lines of science.

The Granite Chapter of New Hampshire organized in 1903 marks a change for the better. Before this, faculties were rather opposed to the admittance of Alpha Zeta, and it was usually tolerated seemingly on trial. During the trial it had proven valuable, and the admittance of a chapter was no longer feared by

the faculty, but welcomed as an adjunct to the College. This year also marks a rapid increase in the number of new chapters, until in 1906 there were 14 chapters with a total enrollment of 492 members. This has been steadily increased, till there are at present 20 chapters, the local Dacotah Chapter being the youngest.

The success of the Alpha Zeta can be summed up in the following three elements, the care in selecting the active membership, enthusiasm, and the honorary membership.

This being a scientific organization, the social side should not be allowed to outgrow the practical and useful, and overstep its bonds. Members are not chosen because they are merely "good fellows," neither are "grinds" welcome. A member is chosen for his achievement and ability, and a man may possess these, and still not make absolutely perfect recitations daily. The social side is not neglected, however, for the society recognizes that an educated man who cannot adopt himself to his surroundings, social particularly, loses rank.

Honorary membership, the placing of the faculty on the rolls adds weight and prestige to the organization.

Following is a list of chapters of Alpha Zeta:

- Founded at Ohio State University, Nov. 4, 1897.
- Townsend—Ohio State University.
- Morrill—Pennsylvania State College.
- Morrow—Illinois University.
- Cornell—Cornell University.
- Kedzie—Michigan Agricultural College.
- Granite—New Hampshire Agricultural College.
- Nebraska—University of Nebraska.
- Massey—North Carolina Agricultural College.
- LaGrange—University of Minnesota.
- Great Mountain—Vermont University.
- Wilson—Iowa State College.
- Babcock—Wisconsin University.
- Centennial—Colorado Agricultural College.
- Maine—University of Maine.
- Missouri—University of Missouri.
- Elliott—Washington State College.
- California—University of California.
- Purdue—Purdue University.
- Kansas—Kansas Agricultural College.
- Dacotah—North Dakota Agricultural College.

—C. H. R.

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songs, and on the appointed day students will be stationed in every building to paste copies of these in one of every student's text books. Thus every one will learn the college songs and yells, and when the time comes to use them every one will be able to join in. The college has gone to considerable trouble and expense to procure these copies, and every student should make it a point not

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 only to procure copies, but to commit them to memory as soon as possible in preparation for the remaining games of the season.
 The faculty were out in large numbers at the Frat. Dance.

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