



## **The daily cardinal. Vol. IV, No. 96 January 28, 1895**

[Madison, Wisconsin]: [s.n.], January 28, 1895

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# The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

VOL. IV—No. 96.]

MADISON, WIS., MONDAY, JANUARY 28, 1895.

[PRICE THREE CENTS.]

## LAST YEAR'S BADGER DEFICIT

ARE DISCUSSED BY THE SENIOR CLASS.

THEY ELECT OFFICERS FOR THE WINTER TERM.

Plans for Raising the Badger Deficit—Other Matters of Interest.

The Senior meeting on Saturday afternoon, was not attended by a large number, but several important measures were considered. The committee, composed of two from each course, which was appointed last term to canvass the class for \$1.50, on the Badger board deficit, reported through the treasurer, Mr. Frazier. He informed the meeting that \$82 had been pledged with more to hear from. A further report from the treasurer included the interesting and valuable disclosure that the amount on hand from last term was thirty-five cents and the receipts this term from all sources amounted to one cent. The election of officers for the ensuing term was spirited and resulted in favor of the following:

President, Vroman Mason; Vice Pres., Charles Burgess; Secretary, Miss Ellsworth; Treasurer, Clyde Warren; Sergeant-at-Arms, V. T. Marshall; Pipe Custodian, Earl Harris.

The matter in regard to the class cut in the Badger was brought up; but a motion that the old cut of last year be used and a tax levied to provide for the necessary expense was lost. Various suggestions were offered in regard to balancing the accounts in the "Badger deficit."

After a consideration of the advisability of raising money by a course of lectures by eminent men or by a social event, a motion was carried to the effect that a finance committee be appointed to take what measures were possible to reduce the deficit. The cap and gown were again brought up for inspection and the many objections to them discussed. Finally it was decided to appoint a committee to canvass the faculty and confer with Pres. Adams in regard to the matter. It was provided that a committee be appointed to complete the necessary arrangements for the class day.

### ALTERNATE NUMBERS.

Paper by Mr. Skinner on Grassmann's Theory before the Mathematical Club.

The Mathematical club held a meeting, Saturday afternoon, Mr. E. B. Skinner presented a paper on Grassmann's Alternate Numbers. The subject was new to many members of the club, and it proved to be a most interesting one. The following is a brief outline of the principles involved, together with some of the applications of alternate numbers.

The paper consisted of two parts:—First the pure theory of alternate numbers and second their geometrical

interpretation. We might, if we chose, assume the existence of complex numbers made up of units, the units being such that the product of any one by itself shall always be zero and the product of any two, for example,  $ij$  shall be the negative of the product,  $ji$  of the same two units taken in reverse order. A number so defined is an alternate number and from the definition, the properties of such numbers are readily deduced. Some of these properties are as follows:

1. The law of multiplication of alternate numbers is the same as that of the units of which it is made up, viz. the sign of the product is changed if the order of the factors be changed and the square of any alternate number is zero.

2. The product of two alternate numbers is not changed if one be increased by a multiple of the other.

3. Division is not possible i. e. it is an indeterminate process.

Such a system of ideal numbers has been made the basis of the theory of determinants.

Grassmann has found that alternate numbers made up of one, two, three and four units can be represented geometrically. He shows that these numbers can be represented by qualities having one or more of the properties or qualities position, direction, magnitude, i. e. they can be represented by points, directed lines or directed areas provided the operations of addition and multiplication are given proper interpretation.

Grassmann's conception of a geometric product is that it is what is produced or generated by the first factor as it moves over a distance determined by the second factor. As examples the product of two points is the directed line generated by the first point as it moves to the position of the second. Again the product of two directed lines is the parallelogram generated by the first directed line as it moves parallel to itself in a direction determined by the second. In the first case if the two points coincide the product is zero and if the order of the factors be changed the sense of the product will be changed. In the second, if the two directed lines coincide the area of the parallelogram is zero and if the order of the factors be changed the parallelogram will be generated in the opposite sense.

### AMERICAN ACADEMY OF POLITICAL AND SOCIAL SCIENCE.

The twenty-eight scientific session of the academy will be held in the drawing room of the New Century club, 124 South Twelfth street, Philadelphia, on Wednesday, January 30, 1895, at 8 p. m. Hon. Frederick J. Stimson, of Boston, will read a paper on "Unifor State Legislation of Extra-Territorial Effect," (Contracts, Wills, Marriage and Divorce, etc.) This subject will be discussed by Hon. Simon Sterne, of New York; Rev. Dr. Samuel W. Dike, of Auburndale, Mass.; Joshua L. Baily, Esq., Ovid F. Johnson, Esq., and Samuel Wagner, Esq., of Philadelphia. Hon. Lyman D. Brewster, of Danbury, Conn., and Richard Wayne Parker, Esq., of Newark, N. J., will also be present, if possible, to take part in the discussion.

—The university of Pennsylvania will hereafter give degrees to women.

## FRESHMEN HAVE A NEW YELL

A NEW CLASS MOTTO IS ALSO ADOPTED.

MEETING HELD LAST SATURDAY AFTERNOON.

Committee on a Sophomore—Freshman Cane Spree Appointed.

Adopted at the Meeting Saturday—A Motto Also Decided on.

The freshman class held a meeting Saturday afternoon, in Main Hall. The committee on Badger cut reported, and it was decided to adopt the cut used in the series with the other classes. A yell was adopted instead of the temporary yell, decided on last term. It is:

U. WISCONSIN!

RAH, RAH, RAH!

98! 98!

ZIP, BOOM, BAH!

The class motto is:

"Virtue, self-control,

Twin anchors of the soul."

An athletic committee was appointed to make the necessary preparations of the freshman and sophomore cane spree, to take place at the midwinter meet.

### CHRISTIAN ASSOCIATION SOCIAL.

Held at Ladies' Hall Saturday Evening—Some of the Amusements.

Ladies' hall was the scene of a pleasant gathering last Saturday evening. The occasion was a social given by the Y. M. and Y. W. C. A. jointly and was well attended by students generally. The early part of the evening was spent in a competitive game entitled "A Trip to Chinatown." Each person was presented upon entering the hall with a circular upon which a description of the journey was written, leaving a number of blanks where numbers were substituted. Corresponding to these numbers were articles scattered around the room, whose significations were to be guessed and written in the blanks.

The first prize was awarded to Miss Marie Everett, '95, who handed in the correct list in the shortest time, while Ernest Hicks secured the booby prize. Tea and wafers were served in Castalia's room adjoining the gym by a number of young ladies in Japanese costume. Various musical and literary selections were rendered at intervals during the evening.

### SHORT COURSE STUDENTS.

Their Literary Society Meets Saturday Evenings.

Students taking the short course in agricultural held their weekly literary society meeting Saturday evening. The large lecture room in the hall was well filled and the warm interest in the proceedings was shown by a number of volunteer speeches which followed the debate. An instructive paper was read on peach culture, and

Mr. Frizzel sang two solos, responding to an encore with an old plantation melody.

The debate on the question, Resolved that dairy cattle are more profitable than beef cattle, was decided 2 to 1 in favor of the dairy. The short course orchestra, consisting of five pieces, a banjo, violin, organ, and 2 rattlebones, then rendered a lively waltz.

After a short recess the following officers were elected for the month of February:

President, H. J. Bennett; vice president, W. H. Jones; secretary, E. M. Cowles; treasurer, G. E. Douglas; censor, A. B. Sayles.

### THE PHYSICAL LECTURE ROOM.

A Water Moter Put In—Other Improvements.

Some important alterations and improvements have been recently made in the physical lecture room in Science hall. A small water wheel, similar in principle to the Pelton wheel, which is used extensively in western mines and in running presses, furnishes sufficient power for driving several small pieces of machinery including a dynamo.

The seating capacity of the room has been enlarged by the addition of a number of chairs, but new seats which have been ordered will soon take their places. The capacity of the room will then be 150.

The old sliding blackboards have also been replaced by some made of slate, which work much more satisfactorily than their predecessors. Several new pieces of apparatus for the laboratory are expected from Germany and England in the near future.

### YALE FOOTBALL.

A meeting was held in New Haven attended by Walter Camp, S. J. Elder of Boston and some fifteen members of the Yale academic and scientific faculties, to talk over the football question. While a number of the faculty present expressed no opinion, and two or three favored either drastic measures against football or important modifications of the rules, the burden of opinion, as expressed was against interference with the game. One ground for this seemed to be that Yale, in the case of the Springfield game, had been unduly charged with violence as compared with Harvard, and that official interference with the game now would be an admission of the burden of the accusation against her.

A member of the faculty, who was present, and who says that in his opinion the game, if it is to continue, must be modified, both in its rules and its gambling spirit, also says that he is convinced by the utterances at the meeting that there will be no interference with it by the Yale faculty as the result of recent events. The meeting was unofficial and in no wise affects the Yale faculty's position as a body, while indicating in a general way what its sentiment is likely to be.

—The Mechanical school of San Francisco, given by request of James Lick, was opened last week. The bequest was \$500,000, of which \$100,000 has been used in building the school. Its principal is Mr. George E. Merrill.



# The Daily Cardinal.

PUBLISHED DAILY (SUNDAYS EXCEPTED)  
DURING THE COLLEGE YEAR.

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Address all matter intended for publication to  
the editor-in-chief. All business communications  
should be sent to the business manager.

Address,

The Daily Cardinal,  
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Room 7, Democrat Building.

W. T. ARNDT, '96, Editor-in-chief.  
J. B. SANBORN, '96, Managing Editor.  
E. S. HANSON, '97, Asst. Managing Editor.  
E. H. KRONSHAGE, '97, University Editor.

## GENERAL EDITORS.

W. G. BLEYER, '96. G. F. DOWNER, '97.  
F. E. BUMP, '96. C. A. PHELPS, '96.

## REPORTERS.

Amelia E. Huntington, '98.  
N. A. Wingdale, '97. Mollie I. Bertles, '97.  
L. A. Goddard, '98. F. B. Dorr, '97.  
A. Barton, '96. A. C. Shong, '98.  
W. H. Shepard, '96. Isaac Peterson, '96.  
F. B. CORNISH, '96, Business Manager.  
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## ATHLETIC DIRECTORY.

### Athletic Association.

President—Fred Kull, law, '96.  
Vice President—J. C. Karel, law, '95.  
Secretary—A. W. Grey, '95.  
Treasurer—L. M. Hanks, '89.

### Dept. Manager. Captain.

Football—M. J. Gillen, J. R. Richards.  
Base-ball—C. D. Cleveland, C. H. Kummel.  
Aquatic Sports—C. C. Case, Oscar Rohn.  
Tennis—J. B. Sanborn.  
Field and Track—W. B. Overson,  
H. B. Copeland.

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It is not generally known among students what progressive spirit our agricultural students possess. They have organized literary societies which are largely attended by the members of this course. That there is great earnestness in the work is apparent to pay their societies a casual visit. We wish to congratulate the boys upon the good they are doing and with them the best of success. It is just as necessary for them to discuss topics of interest in their particular lines as for literary students. It is only thus that they can secure the liberal education that they strive after and give them a training in public speaking whose value they will never forget.

## GLEE CLUBS IN ENGLAND.

Cambridge men were much interested in the concerts that the Amherst College Glee, Banjo and Mandolin clubs gave in England last summer, and they have recently organized a banjo and mandolin orchestra of their own. The Amherst clubs gave a score of concerts before English audiences, and they made themselves very popular with the English university men, to whom such clubs were something of a novelty. Although the banjo is still increasing in popularity among the English and is being recognized as a source of legitimate music, yet concerted banjo playing is a comparative rarity over there, and especially among amateurs. The introduction of the banjo as a musical instrument was associated with the ear-splitting twanging of itinerant negro minstrels. When the Amherst clubs reached England it was expected that they would furnish much the same kind of music. It surprised and delighted their audiences that they didn't and the English papers commented on it. The college

men were well entertained. Cambridge men particularly were interested in these concerts and in October they organized a banjo and mandolin club modelled on those of the American colleges, and at their first concert in December they made a big hit. They have their club rooms in Petty Cury, the most central point in Cambridge, and the club now boasts of more than thirty members.—Ex.

## ROWING AT YALE.

There are over fifty candidates for Yale's freshman crew, the largest number which ever began training for a class crew at Yale. Ernest H. Brewer, of Springfield, who rowed on the school crew at St. Paul's school, Concord, N. H., has been elected temporary captain, and is at present stroking the crew. The Varsity crew began systematic rowing in the tank Tuesday. There are twenty candidates and but two vacant seats. A. W. Dater, of Brooklyn, No. 4 last year, has been placed temporarily at stroke.

## ALUMNI NOTES.

'87—E. M. Platt is one of Manitowoc's most successful business men.  
'93—Bert Haskell is principal of the Oregon high school.  
'94—Miss Miriam Hoyt is an assistant teacher in the Bayfield high school.  
'89—Emory R. Johnson is an instructor at the University of Pennsylvania and on the corps of lecturers at Haverford college in the same state.  
'90—Paul S. Reinsch, who is now practicing law in Milwaukee, is visiting relatives and friends in the city.  
'93—W. C. Burton, now in business in Baltimore, is visiting friends in the city.

## PENNSYLVANIA CHOOSES HER DEBATERS.

The following men will represent Pennsylvania in the intercollegiate debate with Cornell on March 8: Walter C. Douglass, George W. Riley and Bertrand D. Parker, with S. Murdock Kendrick as alternate. The question debated for the final competition was the same on that will be argued in the final contest: "Resolved, That the most effective means of restricting the liquor traffic is by the elimination of the element of private profit."

## COLLEGE NEWS.

—One thousand dollars was lost on Yale's athletic trip to England.  
—The cost of conducting the Yale gymnasium last year was \$14,000.  
—The senior class of Harvard has discarded the dress suit and tie for the cap and gown.  
—Cornell has abolished the system of examinations and will graduate students upon their term work.  
—Of the twenty-three men in Harvard university who received honors this year, eleven are prominent athletes.  
—Yale and Harvard have debated together seven times and Harvard has won each time.  
—A graduate board of coaches for the track athletic team will be established this spring at Harvard.  
—The pronouncing contest held at the University of Michigan, between the laws and the "lits" was won after a hard struggle by the laws.  
—The University of Berlin has the largest number of students of any institution of its grade in the world. The latest figures show 8,343 in attendance.

—The athletic team, which the London Athletic club is to send to America, will probably consist of men from the various clubs and colleges of England.

—An exploring party, to collect natural history specimens for the Biological Department of the University of Pennsylvania, has left Brooklyn, N. Y., the steamship Portia, yesterday.

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**LOCAL AND PERSONAL.**

—Mr. N. H. Falk, law '96, spent Sunday in Stoughton.

—Sidney Smith, '98, is down with the measles.

—J. J. Rogers, '97, spent Sunday in Milwaukee.

—John Main, '98, has recovered from his recent illness.

—W. T. Arndt, '96, is confined to his room by a severe cold.

—W. T. Arndt, '96, is confined to his room by a severe cold.

—F. Everson visited over Sunday at his home in Lake Mills.

—Chas. A. McGee, '98, visited his home in Milwaukee Sunday.

—Wm. Ruger, '97, paid a visit to his home in Janesville Sunday.

—The specials in Greek will have a quiz next Wednesday morning.

—John Rogers, '97, visited at his home in Milwaukee Sunday.

—Ben Tilton, '97, is still in Oshkosh, where he went early last week.

—Prof. Jastrow is reported to be improving in health quite steadily.

—Librarian Smith resumed his duties this morning after a short illness.

—Miss L. Willard, of Honey Creek, is visiting with Miss Jessie Shephard, '95.

—Paul Hasting, law '96, is sojourning temporarily at his home in Mayville.

—H. J. Noyes, '96, left Saturday for his home in Milwaukee on account of sickness.

—Prof. Knowlton was unable to meet his classes in Rhetoric this morning on account of sickness.

—Miss May Bostwick of Janesville spent Saturday and Sunday with her sister, Eva Bostwick, '96.

—Mrs. Pittman of Boscobel was in the city part of last week visiting her son, M. B. Pittman, '97.

—Mr. Greer of Bloomington, Wis., spent the past week in the city visiting friends in the university.

—Mr. S. L. Kennedy, '97, has discontinued his studies on the hill. He will be employed in the city.

—Miss Emily Rogers of Milwaukee left for home today after enjoying a visit with her cousin, Margaret Rogers, '98.

—Geo. E. O'Neil, '95, who has been suffering from an attack of typhoid fever at his home in Milwaukee, is now much better.

—Miss Mollie Bertles, '97, who left Madison a few weeks ago on account of sickness is improving at her home in DePere.

—On account of a burned out connection all the lights went out in the gym Saturday night, but John was rigged out as a lamp post and did excellent service.

—Miss Meta Goldsmith, ex-'97, and Miss Marion Winkler, ex-'97, both of Milwaukee, are visiting with Miss Martha Pound, '97. They are at present attending the Milwaukee Normal school.

—Stanley Hanks entertained the Mandolin club at his home Saturday evening. The event was in honor of Guy L. Foster, who is about to leave the university to engage in business in Chicago.

—Twenty degrees below zero is reported as the maximum temperature early this morning. The conservative thermometer at the observatory even registered fourteen degrees below. Hence a number of students are suffering from frozen ears.

—A number of young people of the city are planning for some amateur theatricals to be given in the near future. Among those interested are Misses Helen and Elizabeth Palmer, Warner, Messrs. McMynn, Warner and Morgan.

—Some sneak thief has been getting in his disastardly work at the gymnasium lately. Three pairs of tennis shoes, a sweater, and a complete exercising suit have all been stolen within a short time. Such an occurrence has been inwardly feared by many and yet it was hoped that the very openness and confidence shown by the patrons of the gymnasium would insure them against such small and contemptible acts.

—Prof. Snow is at present lecturing to his classes on the "one-fluid" theory of electricity. This view of the subject, which differs so widely from the old accepted theory of two kinds of electricities, is receiving marked attention from all the leading physicists. Prof. Snow is a firm believer in the new doctrine and his treatment of the subject, both in his lectures and explanatory experiments, is highly entertaining and instructive.

—Judge Henry Howland, who presided at the recent Yale Alumni dinner in New York, in his opening speech took up the subject of football and severely scored the newspapers that have denounced the game as brutal. He said it was an outrage to denounce Captain Hinkey, who was everything that a captain of a football team should be. He declared that the Evening Post's attacks upon Captain Hinkey were brutal, fiendish and slanderous.

—Steps have been taken by representatives of the leading colleges of the east to form an Inter-collegiate Gymnasium association. The association will be similar to the Track Athletic association, and will hold annual contests.

—The University of Minnesota has completed a new library building at a cost of \$175,000. The board of regents will ask for \$225,000 at the next session of the legislature for new buildings and other improvements.

A pitiful appeal for help comes from starving settlers in Gregory county, S. D.

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## OFFICIAL NOTICE.

MONDAY, JANUARY 28, 1895.

**BOARD OF ENGINEERS:**—There will be a meeting of the board of engineers on Tuesday, Jan. 29, at 3 p. m. in room 22, Science hall.  
E. R. Maurer, Secretary.

**GYMNASIUM.** Those students who would like to train for the horizontal bar work in the midwinter meet, will please report to me at once.  
J. C. Elsom.

## UNIVERSITY BULLETIN.

**SENIORS:** All senior photographs for the Badger must be in the hands of the board at once.

**NORA SAMLAG:** All Scandinavian students who are desirous of re-organizing the Nora Samlag society are requested to meet Monday, January 28, at 3 p. m. in Prof. Olson's room.

**CO-OP DIRECTORS:**—There will be a meeting of the Board of Directors of the Co-operative association in room 25, Science hall, Thursday evening, Jan. 31, at 7 o'clock.  
G. E. Williams, President.

## PALLO'S LUCK.

The entertaining comedy entitled *Pallo's Luck* will be presented at the Grace Church Guild hall, Saturday evening, Feb. 2. Following are the personae dramatis:

Tom Pallo, a young actor and a jolly Bohemian.

Dolly Pallo, his wife and a jollier Bohemian.

Miss Theodosia Satter, their aunt and a maiden of sixty.

Cubberly Jackson, a Philistine.

Dora Jackson, his wife.

Col. Peyton Snooks, U. S. A., their uncle.

Harvey Jenks, an eccentric comedian.

Parker, a maid, "who won't be lent."

Musical numbers will also be given. Admission twenty-five cents. No extra charge for refreshments, to be served at the close of the program.

## UNIVERSITY CALENDAR.

Monday, January 28.

History and Literature of Israel, Prof. Williams, North hall, 6:45 p. m.

Meeting for reorganizing Nora Samlag, Prof. Olson's room, 3 p. m.

Lecture on the English constitution, Prof. Parkinson, law building, 4 p. m.

Choral Union rehearsal, Library hall, 7:30 p. m.

Tuesday, January 29.

Lecture on American Charities, Mrs. Florence Griswold Buckstaff, of Oshkosh, law building, 2 p. m.

Lecture on the Napoleonic Era, Prof. Coffin, law building, 4 p. m.

Wednesday, January 30.

Lecture on American Charities, Dr. Ely, law building, 2 p. m.

Lecture on botany, Prof. Barnes, Science hall, 4 p. m.

Lecture on the Great Epics of the World, Prof. Smith, law building, 4 p. m.

Lecture in physical education, Dr. Elsom, gymnasium, 5 p. m.

Y. M. C. A. meeting, Ladies' hall, 5 p. m.

Assemblyman N. B. Treat, wife and daughter, Miss Nellie, of Monroe, have taken apartments at Judge Keyes' home on North Pinckney street during the legislative session.

Colonel John C. Spooner has been engaged to deliver the dedication address at the unveiling of the Rusk monument at Viroqua, to take place next memorial day.

## LOVE'S POWER.

Love seeks in myriad ways to prove the power

Of love; it searches earth and air and sky

For one fair object that will typify its matchless and imperishable dower.

And though it fail love's glory to embower,

Since naught that lives can with its essence vie,

Yet is it sweet to let some tribute lie,

As lies the dew-drop on the breast of flower.

Beloved, like a star that crowns the night,

Dissolving in transparence all the gloom,

Serenely proving an unflinching light,

Whose mystic strength all shadows can illumine,

O this is like thy helpfulness to me,

If aught is worth, it has its birth in thee!

—Mary M. Adams.

Madison, January 24, 1895.

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Martin Guitars. Kraske Banjos.

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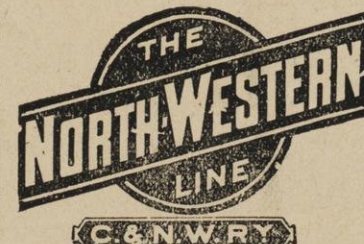
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