



# **The daily cardinal. Vol. IV, No. 111 February 14, 1895**

[Madison, Wisconsin]: [s.n.], February 14, 1895

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# The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

VOL. IV—No. 111]

MADISON, WIS., THURSDAY, FEBRUARY 14, 1895.

[PRICE THREE CENTS.]

## THE JUNIOR PROM.

PRELIMINARY PROGRAMS TO BE  
ISSUED TOMORROW.

OTHER ARRANGEMENTS FOR  
THE GREAT EVENT.

Some of the Music—The Regular Pro-  
grams.

The preliminary programs for the Junior Promenade are to be issued tomorrow noon. They will be given out only upon the presentation of the promenade tickets. The advance sale of the tickets has been very good, and even exceed the expectation of the committee. The intention of the class of '96 to make this the finest party ever given at the university will certainly be realized. The committee has made all of the arrangements with this intention to excel, and it is safe to say that everyone will be satisfied with their work when the evening of the 22nd comes.

A number of the old university graduates have signified their intention of taking advantage of this chance to revisit their Alma Mater. The presence of these former U. W. students will add much to the pleasure of the party. In addition there will be a number of young ladies from out of town will attend the promenade.

The program has been made out and the music for the various dances selected. The fact that Clauder's orchestra will furnish the music insures that all of the latest selections will be played in the best manner. The first waltz is one arranged by Clauder especially for the promenade and dedicated to the junior class. The other numbers will be danced to very pretty music, including some new selections. Among them may be mentioned a lancers from DeWolf Hopper's new opera, "Dr. Syntax."

The programs which are to be given out the night of the promenade are truly works of art and will form very fitting souvenirs for the occasion. The engraving for the cover is being made by E. A. Wright, of Philadelphia. The design includes the university flag, the gymnasium and the class numerals in gold. The list of dances is to be printed on separate sheet, and inserted inside of the cover. The programs will be tied with heavy cardinal cords.

The supper, which is included in the price of admission, is to be served by the Bon Ton, of this city. It will be served at small tables in the gym room and the arrangement of the numbered tickets will prevent any crowding of the room.

The committee is unable to announce definitely in regard to the decorations as the arrangements are not entirely completed. As soon as the plans have been determined on they will be announced. It is probable that designs symbolical of the class and of the university will be selected and that the hall will be covered with flags, bunting and flowers.

## PRELIMINARY PROGRAMS.

The preliminary programs for the Junior Promenade can be obtained tomorrow after one o'clock at either the Co-operative store on State street or at Mosley's. Holders of tickets only can procure these programs and upon presenting them they will be given two card programs and their ticket will be punched.

The tickets have all been numbered in order to arrange for serving the supper in divisions and the following rule will be observed.

Supper will be served from the ninth to the fourteenth dance inclusive and a list will be posted at the places where the programs are given out, announcing what numbers are expected to go to supper during each dance. This is done so the men can engage that dance with their partner and this no confusion will arise. The gentlemen will please remember this when filling out their programs and see that they know at what dance they are expected to go to refreshments, as the coupons will only be honored during that dance. The committee suggests that those who have not obtained tickets do so at once so that they may know in what division they will come and what dance to reserve.

Junior Promenade Committee.

## THE BILDUNGSVEREIN.

The society met last evening at the usual hour, rendering a very interesting program, which was enthusiastically received by the members present. The first number was a paper by Miss Remington, treating of students life and their festivals in German cities. The paper was fully appreciated by every member present. Then Mr. Kroncke read a very interesting paper, "The Germans in America," followed by a declamation, by Miss Sauthoff, rendered in her usual attractive style; concluding the program was an essay, "Wisconsin interesting points for pleasure seekers, read by Mr. Wartner describing the Dells, Devils Lake, and many other points of interest, to say the least it was a well prepared and rendered program, and does credit to the participants. Every one present secured pleased and left with the determination and spirit to see the Bildungsverein prosper in the future. At the next meeting will be spent in honor of the poet Uhland.

## ENGINEER'S ASSOCIATION

Street railway proposals will be received by the club until Feb. 15th '95, for a complete electrical street railway system for the city of Madison. General requirements for the system may be obtained from the clerk.

Representatives of the different companies:

Hawley, J. T. Richards, Track.  
A. H. Ford, J. M. Boorse, Electrical.  
F. I. Hartwell, W. S. Hanson, Eng-  
ines.

J. H. Perkins.  
Clerk.

—Prof. David B. Frankenburger is confined to his home by illness. His classes are suspended for the present.

—Frederick P. Schuman, ex '95, is making a brief visit in the city.

## KAPPAS TO MEET

THE CONVENTION OF THE GAM-  
MA PROVINCENCE.

TO BE HELD HERE FRIDAY AND  
SATURDAY.

The Chapters and Their Delegates—  
Reception Which will be Given.

The convention of the Gamma province of the Kappa Kappa Gamma sorority meets with the Eta chapter at the university of Wisconsin February 15 and 16. Sessions will be held Friday morning and afternoon, and Saturday morning. Following is a list of the colleges and universities represented with the delegates from each: Butler; University (Ind.), Miss Carrie Howe; DePauw University, (Ind.), Miss Mahan; Indiana State University, Miss Paton; Northwestern University (Ill.), Misses Gray and Sargent; Illinois Wesleyan University, Miss Hopson; University of Wisconsin, Miss McFetridge.

Miss Katherine Sharp is the Grand President of the province and will preside at the meetings. Among the visiting members who will attend the convention are, Miss Wyman, of Eau Claire, Miss Hutchinson of Mineral Point, and Misses Miller, Shreave and Robinson of Milwaukee. A reception for the visiting delegates will be given this evening by Mrs. Willet S. Main, whose daughters, Miss Susie and Annie Main are members of the sorority.

## LECTURE ON BOTANY.

The Last of the Series—Flowering  
Plants.

Prof. Barnes, yesterday, delivered the last of his series of lectures on botany, his subject being, Flowering Plants. Flowering plants because of their size, foliage, and beauty, were long considered an isolated group. Linnaeus called the flowering plants "phanerogams" and the others "cryptogams," because of the mistaken ideas of reproduction. In the flowering plants the alternation of generations is very obscure through the reduction of the gametophyte. We cannot speak of the sexual systems of these plants. They are the highest and most complex of plants. Division of labor is complete in them. The tissues are thoroughly differentiated. Their most important functions are (1) nutrition, (2) respiration, (3) growth, (4) reproduction. Nutrition involves four important functions: (a) the absorption of carbon dioxide and water. These are not food to the plants, but substances out of which food is manufactured. Leaves absorb carbon di-oxide and the roots water (H. 2 O.). This water is not pure but has many solutions of inorganic salts, magnesia, lime, etc. They can also take up organic matter, as shown in effect of manures. (b) Manufacture of food. They manufacture three

kinds: carbohydrates, fats and proteids. Carbohydrates are manufactured in green tissues when under strong light. Carbohydrates consist of water and carbon operated upon by the leaves. Fats are only occasionally manufactured, being generally transformations of carbohydrates. They are noticed in cotton seed oil, perfumes and oil of nuts. The proteids are represented by caseine, white of eggs, etc. To manufacture these not only are carbon, hydrogen, and oxygen necessary, but also sulphur, nitrogen, and phosphorus. The third function is the evaporation of water by free surfaces, especially leaves. The fourth function is the chemical transformation (metabolism) going on in the interior, especially the alteration of foods.

The repperation of green plants is the counterpart of that of cold blooded animals. They do not breathe out oxygen and take up carbonic acid, as is usually supposed. The whole plant breathes not the leaves alone. Plants consume oxygen, and water and carbon-dioxide are expelled. This respiration is indifferent to light, going on always. The growth of plants is limited to certain parts. The ends of roots and stems grow in length, and some parts increase in diameter. Mature parts may be incited to grow again, especially if when wounded.

The last function of the sporophyte is reproduction. The spores are manufactured. Spore-bearing leaves are usually clustered, forming a "flower." There are two sorts. One is the stamen, which bears pollen (spores) in a spore case, the anther, and the other the pistil bearing embryo sacs (spores) in a spore case, the ovule. They are usually found associated in the same "flower." The spore of one alone will not produce the sporophyte, but the gametophyte of the other generation. Special sterile leaves are often present in flowers, for protection and often for attraction of insects.

When the pollen has been formed and the sacs of the ovule are formed that generation ends. The pollen grains or microspores produce, when they germinate, a one to four celled plant, bearing two to four sperms. This then is the gametophyte, when it grows outside of the ovule. The embryo-sac (megaspore) produces in germination a very imperfect plant, bearing one egg. Unless the sperms reach the ovule this will not develop. The sperms reach and fertilize the egg, by the spermary growing as a tube which penetrates the pistil if it is closed, and thus reaching the ovule. Now the egg grows at once into the next generation, and becomes a leafy sporophyte. After growing awhile it stops, the ovule and spore case both grow and its interruption leads to the formation of seeds.

## '98 ENGINEERS REVIEW CLUB.

Scientific American, J. Aston;  
Electrical Industries, A. A. Rodtke.  
American Machinist, A. C. Tuttle.  
Electrical World, D. Y. Swaty.  
Railway Review, F. W. Bentley.  
Casseries Magazine, A. V. Scheibers.  
Scientific Amer. Supplement, R. D. Jenne.  
Railroad Gazette, I. L. Cob.  
Western Electrician, M. W. Zabel.  
—August Olson, '97, has gone to his home in Cambridge to recuperate from an attack of the grip.



# The Daily Cardinal.

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E. S. HANSON, '97, Asst. Managing Editor.  
E. H. KRONSHAGE, '97, University Editor.

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Amelia E. Huntington, '98.  
N. A. Wiggall, '97. Mollie I. Bertles, '97.  
L. A. Goddard, '98. F. B. Dorr, '97.  
A. Barton, '96. A. C. Shong, '98.  
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H. A. SAWYER, '96, Asst. Business Manager.

## ATHLETIC DIRECTORY.

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In order to increase their subscrip-  
tion list, the management of the Daily  
Cardinal offers to furnish the paper  
for the remainder of this term and the  
entire Spring term for \$1.50. Name  
and subscription may be left in boxes  
in Library or Science Hall.

The decision of the promenade  
committee to issue preliminary dance  
dance cards is generally commended.  
The fact that to more or less extent,  
dances have been engaged before  
hand, for various parties in the past,  
makes it less of an innovation than it  
seems at first. The issue of the auth-  
orized programs will prevent the con-  
fusion which has always resulted  
when dances have been engaged by  
number. Those who have friends com-  
ing from out of town can by this  
means be sure that their programs  
will be filled up. The arrangement in  
regard to the serving of supper is also  
to be commended. The definite an-  
nouncement of the numbers and dances  
will be made at the time that the pro-  
grams are issued.

## COMMUNICATION.

There is one convenience at the new  
gymnasium which must be taken by  
supposition only, and it is regard to  
a very essential part of the arrange-  
ments which are supposed to make  
this one of the best equipped of modern  
gymnasiums.

The apparatus which according to  
plans and common expectation, was  
to supply either hot or cold water or  
both, for the bathers, is apparently  
very defective.

During the whole of the present term  
—up to this time—it has been impos-  
sible, at many hours of the day, when  
active work is in progress, to obtain

water at hot or medium temperature  
at choice.

The man coming down from active  
exercise, if he would bathe, must take  
a turkish bath, steam vapor filling the  
room, or allow water of an icy tem-  
perature to strike upon his work-  
warmed body. And this, occurs re-  
gardless of which faucet may be  
turned on. A choice can never be ob-  
tained.

The evil effects of such treatment  
need not be pointed out to any one.  
It is too apparant—and the defect,  
whatever it may be, should be reme-  
died at once.

This condition of affairs has existed  
during the past weeks or longer and  
as yet no apparant efforts have been  
made to better things.

It would be only justice to those  
using the gymnasium and the interest  
of the university that this serious de-  
fect be at once remedied.

## ENGINEERING LECTURE.

On Railway Signaling and Interlock-  
ing—By the Signal Engineer of the  
Pennsylvania Lines.

Mr. W. McC. Grafton, signal engi-  
neer of the Pennsylvania lines west  
of Pittsburg, will lecture in the Physics  
lecture-room tomorrow at 3 p. m., on  
the subject of Railway Signaling and  
Interlocking.

Mr. Grafton has had a wide experi-  
ence, not only on the 2,000 miles of  
railway of which he has had charge  
as signal engineer for six or eight  
years, but in connection with the  
world's fair, where he was appointed  
officially "Signal Engineer of the  
World's Columbian Exposition." He  
arranged the tracks in the terminal  
station and yard so that they could  
be interlocked; had charge of instal-  
ling the plants; and was associated  
with some of the foreign engineers  
in connection with the work of a com-  
mittee of railroad appliances, including  
signaling. Two boxes of models have  
been received from Mr. Grafton. A  
lecture of interest to all engineering  
students is expected.

## COLLEGE NEWS.

—Lehigh and Lafayette are making  
arrangements for a debate.

—Cambridge university has organ-  
ized a banjo and mandolin club.

—The debate between Princeton and  
Yale will take place in New Haven,  
May 1st.

—A comic opera entitled "The Maid  
and the Mandarin," is to be given by  
the Exeter students.

—The faculty of Williams has re-  
scinded the rule prohibiting dramatic  
entertainments during the winter.

—Lewis, Amherst '91, the well-known  
Harvard center, has been elected by  
the undergraduates of Amherst to re-  
present Amherst on the board which  
will decide upon the charges of pro-  
fessionalism made by Williams and  
Amherst against Dartmouth.

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### SOCIETY PROGRAMS.

**FORUM:** First Debate, Resolved, that U. S. Government should complete the Nicaragua canal.

Second Debate: Resolved, that the Missouri corrupt practice act should be adopted in Wisconsin.

**COLUMBIAN:**  
First Debate. Resolved, That the prison contract labor system ought to be abolished.

Second Debate. Resolved, That the marriage of first cousins should be abolished in Wisconsin.

**E. G. Ryan:**  
First Debate. Is a tariff for revenue only better to promote the best interests of our country than a protective tariff.

**Paper**  
Second Debate, Impromptu.

**ATHENA:** First Debate—Resolved, that every city of over twenty-five thousand should own and operate its street railway, gas and electric light plants.

Second Debate—Resolved, That Henry George's single tax system should be instituted.

**PHILOMATHIA:** First Debate—Resolved, That all work in the University of Wisconsin should be elective after the freshman year.

Second Debate—Resolved, That railway pooling should be legalized.

**HESPERIA:** Declamation—Wadsworth. First Debate—Resolved, That the right of suffrage should be granted to women.

Second Debate—Resolved, That McClelland's actions while in command of the army of the Potomac were open to officers censure.

**PHARMACEUTICAL SOCIETY:**  
Violin solo, Dr. Sam Otis.

Address, Volatile oils from the botanical point of view, Prof. Barnes.  
Piano Solo, L. H. Allen.

Recess.  
Recitation, Miss Thompsonkins.

### ROOSEVELT ON FOOTBALL.

and the bathing habit for every child should be as much taken for granted and as carefully provided for as the three meals. A clean villain has graces that the dirty saint still lacks and the gospel of dirt as expounded by saints and hermits of the past, is responsible for most of the neglect the body still suffers in this day of larger wisdom.

At the dinner of the Washington Harvard Club, Hon. Theodore Roosevelt made a speech in which he defended the game of football against the position assumed by President

Eliot in his annual report. In the course of this speech, which was received with great enthusiasm, Mr. Roosevelt said:

"I wish to say that I agree with a great many Harvard men in emphatically disagreeing with President Eliot in his remarks upon football in his recent report. I believe in athletics and I believe in football. We don't want to abolish football—at least not till we beat Yale.

"And I wish to say first of all that I decline to subscribe to the sacredness of the human arm or leg. What matters a few broken bones to the glories of football as an intercollegiate sport? It is nonsense to say that football is a game that benefits only a few. Look at the youngsters on every vacant lot in Washington during the fall season playing at football. When I was in college I was not much of an athlete, being deterred from taking part in sports because of trouble with my eyes, but it fell to my lot afterwards to go through some rather rough experiences in the West, and I have ridden to hounds and broken three or four bones in the sport. I do not mind that. I have three boys. I do not know whether they are going to make athletes in college or not, but I will say that if I thought any one of them would weigh a possible broken bone against the glory of being chosen to play on the Harvard football eleven, I would disinheritor him."

Mr. Roosevelt went on to say that he was an emphatic believer in devotion to studies and the demands of the curriculum; he would not belittle these a particle, but the student was not the most important person for the college to produce. The college should produce men first, students afterwards.

To produce good, strong men whose personality could make itself felt in the world, hardy, out-door sports, were necessary. There was too great a tendency, he declared, particularly among those brought up in ease and luxury, towards effeminacy, and the salvation of the generation from this sort of thing lay in just such manly sports as football, where a man becomes accustomed to hard knocks.

Col. L. J. Rusk, of Chippewa Falls, is in Madison on legal business.

Ex-Chief Justice Cole, of Milwaukee, is visiting old friends in the capitol city.

Mr. L. S. Hanks has returned from a trip to Europe, much improved in health.

Ex-Governor Geo. W. Peck, of Milwaukee, registers at the Park. He is making arrangements for duck shooting in the spring.

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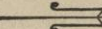
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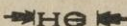
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## OFFICIAL NOTICES.

THURSDAY, FEBRUARY 14, 1895.

**CHEMICAL CLUB:** The Chemical club will hold its regular afternoon meeting at 4 p. m. Friday. A report will be presented, by Dr. Saunders on a new Element of the Nitrogen group and a report by the undersigned, on Molecular rearrangements of unsaturated acids

H. W. Hillyer.

**SENIOR MEETING:** There will be a meeting of the Senior class Saturday afternoon, at half past two o'clock, in room 3 University Hall. Important business is to be transacted.

Vroman Mason,  
President.

**CO-OPERATIVE ASSOCIATION:** There will be a meeting of the University Co-operative association, Monday February 18, at 4 o'clock p. m. in the Junior lecture room, in the Law building. Several important amendments will come up for adoption.

By the Executive Committee  
L. E. Williams  
Prof. Mack  
R. E. Smith.

### MORE MADISON MUSIC.

Mrs. Adams, Mrs. Hiestand and Miss Dye the Authors.

In a recent issue of the Democrat there appeared a sweet bit of verse, by Mrs. Adams, under the title, The Midnight Song. This has been set to charming music by Mrs. W. D. Hiestand, and is being published by Raphael Fassett. The Happy Pickaninies, by Miss Daisy Dye, as the name suggests, is a negro oddity of quaint conceit, and is surely destined to be very popular. This has been placed on sale at Warner's Music store by the publisher. Raphael Fassett. The composer, Miss Daisy Dye, is a remarkably gifted young lady, and at present a student in the high school; is exceedingly popular amongst her school mates, and to exhibit such talent in her first composition, her friends naturally look forward to her future productions with much interest.

### FUNNY SAYINGS.

Reporter—What became of that fast-ing girl you used to have? Museum Manager—She's doing six months in jail for not paying her board bill.—White Plains Weekly.

Passenger (in rowboat during a sudden squall)—Oh, we shall sink!—Boatman—I can swim. Passenger—But I can't. Boatman—Never mind, I'll teach you.—Fliegende Blaetter.

There is a colored ghost that appears in Jersey City and saws wood. That sort of ghost ought to be encouraged to come often.—New York Journal.

LOST. Bunch of keys on Monday, at noon, between the Gymnasium and Science Hall. Finder will kindly return the same to

J. J. Rogers,  
515 State Street.

—Fresh cut flowers for Junior Promenade at Mrs. J. P. Spencer's, Woman's Exchange building.

Lost: An enameled wreath pin set with pearls. Finder please return to Room 18, Ladies' Hall.

—For the Standard Rapid Writer Fountain Pen enquire at the Co-ops.

—Another order for athletic goods will be sent from Co-op to Spalding and Bros. Saturday night.

—French and German second hand dictionaries wanted at the Co-op. Hand them in at once so another list of books can be printed.

—A dancing social will be given at the new dancing academy next Saturday evening. University students are especially invited. Ladies admitted free.

—Dress suits for sale at Pantorum.

### Fuller Opera House

Thursday, Feb. 14, the champion of the world  
JAMES J. CORBETT.

In the American comedy,

#### Gentleman Jack.

Mr. Corbett will give a scientific exhibition of boxing with Mr. Steve O'Donnell, and introduce his wonderful bag punching. Prices 25c, 50c, 75c and \$1.00. Box office open Wednesday at 2 p. m.

### Fuller Opera House.

Monday, Feb. 18, America's Greatest Actress,

Miss Jane Coombs.

Who will appear in her world renowned character of Juliet, as played by her over 1,000 nights in Shakespeare's Sublime Love Tragedy.

#### Romeo and Juliet.

Supported by her superb company.

Prices: 25c, 50c, 75c, \$1.00.

Box office open Saturday at 2 p. m.

### Fuller Opera House.

FRIDAY, FEB. 15.

#### Beach & Bowers' Famous Minstrels

And Finest Uniformed Band in the world. 30 distinguished artists. Street parade at 11 a. m. Admission 25c, 50c, 75c, \$1.00. Box office open Thursday at 2 p. m.

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