



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 Programs.

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 excell, 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 Claudio'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 Claudio 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 gun 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 pleasure 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, Engines.

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 GAMMA PROVENCE.

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, Shreve 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 "phænrogams" and the others "cryptograms," 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 reparation 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 (megasporangium) 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 sperm 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. Swatly.
Railway Review, F. W. Bentley.
Cassier's 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.

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In order to increase their subscription 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 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 authorized programs will prevent the confusion which has always resulted when dances have been engaged by number. Those who have friends coming 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 announcement of the numbers and dances will be made at the time that the programs 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 arrangements 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 impossible, 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 temperature to strike upon his work-warmed body. And this, occurs regardless of which faucet may be turned on. A choice can never be obtained.

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

This condition of affairs has existed during the past weeks or longer and as yet no apparent 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 defect be at once remedied.

ENGINEERING LECTURE.

On Railway Signaling and Interlocking—By the Signal Engineer of the Pennsylvania Lines.

Mr. W. McC. Grafton, signal engineer of the Pennsylvania lines west of Pittsburgh, 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 experience, 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 installing the plants; and was associated with some of the foreign engineers in connection with the work of a committee 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 organized 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 rescinded 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 represent Amherst on the board which will decide upon the charges of professionalism made by Williams and Amherst against Dartmouth.

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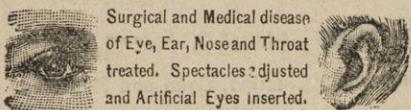
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OFFICIAL NOTICES.

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 Pickaninnies, 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 fasting 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.—Fiegende 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.

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Thursday, Feb. 14, the champion of the world
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