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[Madison, Wisconsin]: [s.n.], February 9, 1895

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The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

VOL. IV—No. 107.]

MADISON, WIS., SATURDAY, FEBRUARY 9, 1895.

[PRICE THREE CENTS.

THE MAGNETIC OBSERVATORY

HISTORY OF ITS ESTABLISHMENT AND USE.

OBSERVED THE FLUCTUATION OF THE MAGNETIC NEEDLE.

Established in 1876—Afterwards Moved to Alaska.

Many students have probably, in rambling down the slope south of University hall, noticed a black walled hole extending back into the hill, and, after a curious peep in and a few gloomy reflections, have wandered on again and forgotten all about it. This tunnel has a history in which the names United States, magnetic force, and hazing, all have their place.

Contrary to the opinions which some may have formed, it was not constructed from contributions from the sophomores for the proper discipline of factions freshmen, but out of a fund left by Bache, 2nd superintendent of the U. S. Coast Survey, in 1873, for the purpose of making magnetic observations. The fund was in charge of a commission at Washington and Prof. Davies, realizing the importance of the enterprise, labored assiduously to procure its establishment here. In 1876 he was successful, and University hill was selected as a site.

The observatory consisted of three chambers, the tunnel running out on to the hillside, a narrow hall at right angles with the tunnel, and a square room beyond in which the observations were taken. There was a door leading from the tunnel into the hall, and another leading from the hall into the observatory proper. The visitor on entering the middle room, would shut the door behind him before opening the one leading into the observatory, so that no light or outside influence could disturb the workings of the instruments. The entire excavation was enclosed by double walls with a two-foot air space between to preserve uniformity of temperature, and the builders were so successful in this that at no time, either in summer or winter, did the temperature fluctuate more than three degrees.

The observations were taken by a set of Brooks recording magnetographs, including two instruments for measuring horizontal and vertical magnetic forces, and one for changes of so called variations of the compass, these changes being recorded photographically on cylinders revolving by clock work. They also recorded, automatically, all magnetic storms or other sudden fluctuations of either the direction or the intensity of the magnetic force.

The observations were highly satisfactory in their results. They went to confirm the sun spot period and an eleven year magnetic period, and many of the most violent storms recorded here were found to be also generally recorded over the earth even so far as India, showing that some exterior effect common over the whole earth

was at work. On several occasions observations were made as to the effect of thunderstorms on the needles, but no variations were noticed. On the other hand blizzards were invariably preceded by disturbances.

The instruments were run continuously for six and a half years, which would be about one half of a magnetic cycle, and were then dismounted for use at Point Barrow, Alaska. The station at this point is still maintained and another lot of instruments is set up at Los Angeles, California.

LITERARY SOCIETIES.

The Hesperian society held one of its rousing meetings last evening. Nearly every seat was occupied and the debates and volunteer speeches were composed of solid and substantial matter. The question, Resolved, that the granting of lands to the railroads was impolitic, was won by the affirmative, under Tillotson. The 2nd debate, Resolved, that capital punishment should be abolished, was also won by the affirmative led by Wigdale. The singing of college songs at recess furnished the spice to a very interesting program.

Philomathia's meeting last evening, although not largely attended, was a very enthusiastic and profitable one to all present. The first debate, upon the question: Resolved, that the United States should adopt a system of arbitration between railroads and their employees, was ably led on the affirmative by T. R. Brazeau, against E. R. Buckley on the negative. The question was decided in favor of the affirmative.

The second debate was a very close one as both sides had put much time upon the question and many strong points were scored by both. The question: Resolved, that the United States should adopt a system of free coinage of silver, provided the cooperation of France could be secured, was led on the affirmative by Wetter and on the negative by Schmidtman, who won the question. Some important business was transacted, including the election of several new members.

'97 ENGINEERS CLUB.

Last night's meeting of the '97 Engineer's club was opened by an interesting paper on the life of James Watts, by S. D. Rowell. The debate which followed was on the question: Resolved, that a technical department of a state university is preferable to a separate college in a manufacturing city, (it being conceded that the university city is not in a too manufacturing center.)

The affirmative of the question was sustained by Ll. Owen and M. Beebe, the negative by C. B. Rider and P. F. Harloff. The debate was close and exciting and was won by the affirmative. The usual number of Engineering Magazines were also reviewed by various members of the society.

CHRISTIAN ASSOCIATIONS.

Dr. J. C. Elsom will speak at the Y. M. and Y. W. C. A. meeting on Sunday at 4:30 p. m. in the law building. Topic: "Christian Athletics." All students should hear him.

—Will. H. Mann, '97, has recovered from his recent illness.

SECOND INDOOR EXHIBITION

WILL BE GIVEN AT THE GYMNASIUM TONIGHT.

AN ADMISSION OF TEN CENTS WILL BE CHARGED.

Horizontal Bar Exhibition—'98 Cane Spree Trials.

The following is the program for the second of the indoor athletic meets to be held in the gymnasium this evening. An admission fee of ten cents will be charged.

40 yard dash (Handicap).

880 yard Run.

Mile Walk.

2 lap. Low Hurdle Race.

3 Standing Broad Jumps.

Putting 12 lb. Shot.

Besides these events a class will give an exhibition on the horizontal bar and the candidates for the '98 cane spree will have their trial bouts to decide who shall represent the class. This will form a much better program and a rather longer one than last Saturday night and the fact that the proceeds are to go to send a team to represent Wisconsin at Chicago against strong athletic rivals should be enough to fill all the available room.

PRESS CLUB.

The University Press club held its regular meeting in North hall Thursday evening. Though the attendance was small a very pleasant evening was spent by all those present. Mr. Starkey, legislative correspondent for the Evening Wisconsin, addressed the club upon "The Collecting of News in Large Conventions." He showed how in great conventions large quantities of news were collected and published in a very short space of time. Immediately preceding a great political or other convention each paper hires a large number of reporters whose only duty is to lounge about the hotels and other resorts of the delegates and to collect little by little in conversation with the different delegates any matters which contain any bearing upon the final result of the convention. A Wisconsin reporter at such a convention would busy himself principally with matters which concerned his state. If there was a probability of a Wisconsin man being nominated for some office he would pay especial attention to the chances of this man. Mr. Starkey mentioned many interesting incidents which had occurred to him in his career as a newspaper man.

DELTA UPSILON ENTERTAINS.

A Delightful Dance Given at the Chapter Lodge.

A very pleasant dancing party was given by the local chapter of Delta Upsilon at its lodge on State street, yesterday evening. The parlors were handsomely decorated with palms, ferns and cut flowers. Of the latter, roses, carnations and Harrissie lilies,

were used in a most artistic manner, the mantels and the refreshment room being especially noticeable for their beautiful effects. Leuders' Orchestra furnished the music for the occasion.

Prof. and Mrs. D. B. Frankenburger and Mr. and Mrs. T. A. Polley chaperoned the party. The others present were: Misses Blanche Shearer, Eleanore Bliss, Daisy Sames, Anna Flint, Mae Pendleton, Mary Freeman, Frances Welles, Ino Proctor, Georgie Hayden, Helen Burton, Meta Schuman, Mary Carlton, Jennie Davis, Mamie Lafin, and Miss McNaney, of Milwaukee.

Prof. Benj. W. Snow, Messrs. S. B. Tarrant, E. H. Cassels, Allard Smith, J. B. Alexander, R. J. Willets, F. D. Warner, Wm. Schuman, Theo. Schuman, H. D. Tower, Clyde Warren, W. J. Hase, R. W. Jackman, Percy Tracy, Ernest True, E. A. O'Neil, P. A. Bertrand and Hugo Duke.

THE FLINTS EXTEND THEIR ENTERTAINMENT.

The great success with which the Flints have been meeting here in the city as led them to extend their engagement till next Wednesday evening, the last entertainment being given on that night. Last evening's entertainment was a great success; many novel experiments being performed, including that of "fascination." In this state a person is not susceptible to any outward circumstances, the subject last evening being unconscious of the fact that a ladie's hat pin was run through his wrist. Tonight the Flints will give their sensational balloon ascent, which has received so much comment in the papers throughout the country.

LOCAL AND PERSONAL.

—E. Ray Stevens, law '95, goes to Milwaukee this evening on business.

—P. H. Urness, '95, has gone to his home in Mondovi for a short visit.

—Miss Bessie McNaney is visiting with friends at the Gamma Phi Beta Lodge.

—Charles Rogers, law '95, will spend a few days at his home in Ft. Atkinson.

—E. J. Frawley and J. J. Blake are practicing law together at Boise City, Idaho.

—Miss Alice Newbre, ex '97, left Madison today, after a two weeks visit with friends.

—M. J. Dwight Clarke, instructor in farm dairying, will spend Sunday at his home in Milton.

—Myron Williams, of Milwaukee and a student at Beloit college, is visiting Hugo Duke, '98.

—Miss Bertha Kellet, '94, of Neenah, is a guest at the home of Judge and Mrs. Romanzo Bunn.

—Harry J. Noyes, '96, returned from Milwaukee yesterday where he has been ill with the measles.

—Lieutenant Hugh J. McGrath, who for several years was commandant of the U. W. battalion, is now located at Fort Sherman, Idaho.

—Dr. O. C. Farington, Curator of Geology in the Field Columbian Museum, has been visiting his brother, Prof. E. H. Farington of the Dairy school, for several weeks. He returned to his duties in Chicago today.

The Daily Cardinal.
PUBLISHED DAILY (SUNDAYS EXCEPTED)
DURING THE COLLEGE YEAR.

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

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F. E. BUMP, '96. C. A. PHELPS, '96.
F. V. CORNISH, '96.

REPORTERS.

Amelia E. Huntington, '98.
N. A. Wigdale, '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.
ALBERT HEDLER, '96, Business Manager.
H. A. SAWYER, '96, Asst. Business Manager.

ATHLETIC DIRECTORY.

Athletic Association.

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

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Aquatic Sports—C. C. Case, Oscar Rohn.
Tennis—J. B. Sanborn.
Field and Track—W. B. Overton,
G. F. Downer.

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President—J. B. Kerr.
Secretary—S. H. Cady.

The freshmen who intend to go into the competitive drill should take advantage of the offer made by Lieut. Chynoweth in regard to the use of the rifles for preliminary practice. Great improvement can be made in a few days practice, especially with a little coaching by an upper classman.

The last number of the University of Minnesota "Ariel" mentions in a number of places "the coming debate with Wisconsin." While we were not aware of any such debate we would suggest that it might be well for our societies to take active steps toward securing another victory from Minnesota.

As has been expected the executive committee of the Board of Regents has decided to close the gymnasium hall during the evenings. There was at one time quite a demand among the upperclassmen that they be allowed to exercise during the evening. The evening attendance at the gymnasium has however been so small since the experiment was begun that the regents could hardly be justified in continuing it any longer.

One frequently wonders why it is that sectional clubs are not formed at the university of Wisconsin. These clubs are quite common in many of the eastern institutions where they form a very important factor in the life of the students. One of the objects is the advertising of their university in the section of country, from which the members of the club come. Each one makes it an object to induce students in the preparatory schools to

come to that particular university. Of course, a great deal of individual work can be done, but as systematic effort is always better than unsystematic, a club can do a great deal more than its individual members could.

Rockford college has done away with the old custom, and now has vacation on Monday instead of Saturday. One by one the colleges are making this change. All seem pleased by it.—Beloit Round Table.

Now that Beloit has adopted co-education the students can look with complacency on such a move. But otherwise it would have been hard on those boys who were in the habit of making Saturday visits to the Seminary.

INFLUENCE OF COLLEGE-BRED MEN.

Prof. Charles F. Smith has the following communication in The Nation of January 31:

"The paragraphs in The Nation of December 20, 1894, making the fifty-three 'immortals' whose names are inscribed on the drum of the dome of the new house of representatives in Boston a text for emphasizing the influence of college-bred men, are wholesome reading, and seem to have been much commented on in college journals. They have called to my mind an investigation made some years ago to ascertain what proportion of the signers of the Declaration of Independence and of the framers of the constitution were college-bred men.

"So far as I could ascertain from 'Appleton's Cyclopaedia of Biography,' of the fifty-six 'signers' twenty-six were college graduates, while ten more received classical training, though they did not attend college. Of the twenty-six college-bred 'signers,' Harvard furnished eight—Samuel Adams, John Adams, John Hancock, William Ellery, Eldridge Gerry, R. T. Paine, William Hooper and William Williams; Yale four—Oliver Walcott, 1747; Phillip Livingston, 1737; Lewis Morris, 1746, and Lyman Hall, 1747; Princeton two—Richard Stockton and Benjamin Rush; William and Mary three—Thomas Jefferson, C. Braxton, and George Wythe; College of Philadelphia three—William Paca, Matthew Hopkinson, and James Smith; Cambridge (Eng.) three—Arthur Middleton, Thomas Lynch, and Thomas Nelson; Edinburgh—John Witherspoon. James Wilson studied at Edinburgh, St. Andrews, and Glasgow, and Charles Carroll of Carrollton at several foreign Jesuit colleges, as well as law at the Temple.

Of the sixty-one men commissioned to attend the constitutional convention thirty-one were college-bred, and five of the remainder had what might be called a liberal education, though they did not attend college. Of these Harvard furnished six—Rufus King, Eldridge Gerry, Francis Dana, Caleb Strong, John Pickering, and Benjamin West; Yale four—Abr. Baldwin, Jared Ingersoll, W. S. Johnson, and Wm. Livingston; Princeton nine—James Madison, Gunning Bedford, Jonathan Dayton, Oliver Ellsworth, Luther Martin, Alexander Martin, Wm. Patterson, W. C. Houston, and W. R. Davie; William and Mary five—John Edmund, Randolph, George Wythe, James McClurg, and J. F. Mercer; Columbia (King's) two—Alexander Hamilton and Gouverneur Morris; College of Philadelphia two—Thomas Mifflin and Hugh Williamson; Oxford (Eng.)—Charles Cotesworth Pinckney; Glasgow R. D. Spaight; Edinburgh, St. Andrews and Glasgow—James Wilson. Of the thirty-nine whose names were appended to the document, seventeen were college-bred men.

—Ex-Governor Hoard addressed the dairy students and visiting agriculturists in the City Hall on "How to maintain our Dairy Interests" the other day.

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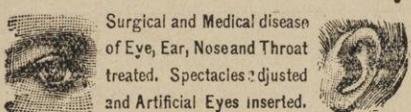
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THE AEGIS.

A New Number Appears—Delay in the Joint Debate Number.

The expected joint debate number of the Aegis did not appear today, on account of delays in the publication, and so one of the regular literary numbers is issued. Mrs. Adams has a pretty little poem entitled "Love's Power." It is short but its two verses are quite charming.

The bashfulness of the student writers continues unabated and the leading story of this number is contributed by "Frank Forest." His "A Love Match of Long Ago" is a story of "long, long ago," but its atmosphere is quite modern. It is a love story a "co-ed" and a professor, one of the features of co-education not provided for in the catalogue. The plot is a rather novel and fairly well worked out and the fact that the scenes are laid in familiar places adds so much to a story that the introduction of the chemical laboratory into the days of "long, long ago" can be forgiven. The character of the absent minded Professor Lornley is one which would have stood the treatment which a longer story could have given to it.

"Where Poplars Grow," by Charles Floyd McClure, is one of the best poems that has ever appeared in the Aegis. The element of pathos is very well managed, especially when it is told why they do not go "down by the lake where the poplars grow."

"If it's so much fun, why don't we go down there an' play?" Why, don't you know?
At my little sweetheart, my little Sue.—

Is dead?

'At's how I'm sayin' is to you,
'At's why I said where we 'ud go
'Uz down by the lake where the poplars grow.

There are some good bits of description in the "Oyster Gathering on Puget Sound," by Susan M. Porter. Florence E. Baker, '91, contributes an account of some visitors to the historical library.

"M." has an article on mistakes of science, particularly one by John Tyndall. "Juste Jelieu" describes his roommate for the readers of the Aegis. One wonders if the roommate might not also say the same things about "Juste Jelieu." The doctrine of communism as set forth in the article is something which frequently extends far beyond roommates. Charles Dudley Warner has a rival in "Weary Waggles," who comments on the pleasures of vacation in an article headed "As We Were Saying."

The new college of music, the necessity for a ladies' gymnasium and a

U. S. DEPOSITORY.

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OFFICIAL NOTICES.

SATURDAY, FEBRUARY 9, 1895.

COMPETITIVE DRILL:—Freshmen who desire to take rifles to their rooms in order to prepare for the competitive drill may procure them from John Hickey, janitor at the gymnasium.

E. C. Chynoweth.

DRAUGHTING ROOMS: At a recent meeting of the Board of Engineers it was decided that the shop draughting room should be occupied by Freshmen in the Electrical and Mechanical Engineering courses. Seniors, Juniors, and Sophomores in the same courses will occupy the large room on the first floor of Science Hall. The committee appointed of desks, requests me to notify those concerned that it will be done Saturday, Feb. 9th.

Forrest R. Jones.

GYMNASIUM:—The following resolution has been adopted by the executive committee of the Board of Regents:

Whereas: The use of the large hall in the gymnasium during the evening, appears to this committee not to have been sufficient to justify the expense of warming and lighting, therefore

Resolved: 1. That, until further action, the main hall of the gymnasium be open in the evening only on Saturdays.

2. That the bowling alleys and the military lecture room be opened on the evenings of Tuesdays, Wednesdays, Thursday, and Saturdays.

J. C. Elsom, Director.

UNIVERSITY BULLETIN.

CO-OP DIRECTORS: There will be a meeting of the Board of Directors of the Co-op Monday evening, Feb. 11, at 7 o'clock in room 25 Science Hall. Important business will come up for consideration.

G. E. Williams.

—Herbert F. Ferguson, '97, has been elected assistant business manager of our esteemed literary contemporary, The Aegis.

—The Ninety-Five Badger was not the only annual that created a deficit in the coffers of its class. An assessment has just been made upon the senior class of Minnesota to make good a debt of \$300 that their annual board left behind them.

—The fraternity and non-fraternity elements in the sophomore class at Minnesota are already warring over the election of their Junior Annual Board.

—Miss Alice Freeman Palmer has resigned her position as dean of the Women's colleges at the university of Chicago.

—For the Standard Rapid Writer Fountain, enquire at the Co-op.

—For a good time attend Schimmel's Dancing social at Odd Fellow's Hall, this evening. Students are especially invited.

—Orders for La Mere de la Marquise will be sent for by Co-op Monday evening. Those wishing these books will hand in their orders before that time.

—Another order for athletic goods will be sent from the Co-op to Spalding & Bros. tomorrow night.

—There will be special features each evening at Warner's cycle opening.

—At a meeting of Union College alumni held at Albany this past week, there was considerable discussion concerning the removal of the college from Schenectady to Albany, where the departments of law, medicine, pharmacy and the Dudley observatory are already located. It is not improbable that this step will be taken in the near future.

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

LOST.—A cardinal, double-neck sweater in the locker room of the gymnasium, between 5 and 6 o'clock, Wednesday evening. The finder will be suitably rewarded on leaving the same at the office. No questions asked.

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