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# The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

VOL. IV.—No 70]

MADISON, WIS., THURSDAY, DECEMBER 6, 1894.

[PRICE THREE CENTS.

## LECTURE ON ENGINEERING

LOUIS A. FERGUSON WILL SPEAK  
TOMORROW.

IN REGARD TO MODERN ELECTRIC POWER STATIONS.

An Authority on the Subject—Has Charge of the Central Station at Chicago.

The first of this year's course of lectures by non-resident engineers will be delivered in the physical lecture room on Friday afternoon at three o'clock by Mr. Louis A. Ferguson, on "Modern Electric Power Stations." Mr. Ferguson is the electrical engineer of the Edison Illuminating company of Chicago, into whose employ he entered immediately after graduating from the Massachusetts Institute of Technology in 1888. During the period of his employment the plant of the company has developed beyond the small and old-fashioned central station on Adams street, until it now includes more modern central stations upon the north and south sides of the city, the station of the Chicago Arc Light and Power company, and the magnificent new Harrison Street station which has lately superseded the station on Adams street. The latter station is one of the half dozen thoroughly modern and economical central stations for electric lighting in the country, and its electrical equipment which was designed and erected under the direction of Mr. Ferguson is in many respects unequalled.

Mr. Ferguson has been a close observer of the development of American practice in central station economics, and has had no small share in advancing our methods. He is therefore well qualified to deliver a lecture upon his subject, and his enthusiastic treatment of the subject will add to the interest of his hearers. The lecture will be illustrated.

## PHARMACEUTICAL EXPLOSION.

A severe explosion of a flask in which poisonous phosphine gas was being generated occurred in the Pharmaceutical lecture room this forenoon while Dr. Kremers was lecturing. The glass flew in all directions and the deadly fumes of phosphine filled the room but luckily no one was seriously injured, although the students were badly frightened.

## INTERSCHOLASTIC ATHLETICS.

The plan adopted by a number of the professors of announcing their courses for next term at an early date is one that can not be too highly commended. By simply mentioning the course is in many cases sufficient to influence a student to thoroughly reflect as to his work for another term. Then questions are asked concerning the nature or scope of the study and a tolerably good idea is obtained. It is often the case the studies are taken on the spur of the moment whether they are supposed to be snaps or not

as a result the student often finds himself unfit for the work and if possible changes his plans to some other course with equally as little thought. We hope the custom will become regular and perhaps it would not be too much to have the new courses announced at the close of each term under the official notices. In this way greater satisfaction would follow on all sides.

## LECTURE ON THE ILIAD.

Prof. Kerr lectured yesterday upon the Iliad and Homer. He said in part that the Greek language was peculiar to itself, its growth a continuous one for three thousand years. Environment has much to do with this circumstance. The rough land of Greece drove many to a sea-faring life which tended to eloquence and elegance of speech. The language of the north is harsh and even the poetry of Longfellow and Tennyson degenerates into prose. The hexameter verse, the happy succession of long and short vowels which lends beauty to the Greek classics, has not been employed by English writers.

The epic form did not spring forth like "Athena full armed from the mind of Jove," but was a growth. These traditions which had grown up among the Greeks were finally crystallized into form by Homer. This was not disputed except by critics of recent date. The argument was set forth that one man could not write all the Iliad, that it was patch work. But one could prove likewise that Milton, Scott, Shakespeare and others were assisted by numerous writers. These critics have little effect upon such minds as Lamartine, Gladstone and the great scholars. The mere fact that their poems have lived and withstood the ages with all their changes shows that some great mind must have breathed life into them. The claim that the Greeks had no writing is groundless, for writing is essential to maintain these poems. The intercourse of the Greeks and Phoenicians is the reason why the Greeks attained the alphabet at a very early period. These writings were sung by rhapsodists at entertainments and in public places for the purpose of bringing them before the people, not for the purpose of passing them down to posterity.

The influence of these epics have been of inestimable benefit to ancient and modern civilization. They have kept the Hellenic spirit alive and their lofty sentiments and precepts have prompted the writers of many sacred texts which teach men how to live. All translations refer the reader to the original text of the Iliad where the greatest impressions lie which can be felt, but not told in another tongue. The rapidity, plainness and directness of the narrative, the plainness and directness of ideas and above all the nobleness of the epics of Homer have placed them among the few masterpieces of the world.

## IN THE AGRICULTURAL COLLEGE.

The department of agriculture has purchased a small tread mill of the size used for dogs or sheep. This machine is to illustrate the use to be made of these mills in dairying and other branches of farm work.

## DEBATES TOMORROW NIGHT

THE ANNEXATION OF HAWAII  
IN PHILOMATHIA.

HESPERIA WILL DISCUSS LABOR UNIONS.

The Engineers' Societies—What the Girls Will Discuss.

## HESPERIA.

First Debate—Resolved that the president and vice president of the United States should be elected by direct popular vote.

Second Debate—Resolved that labor organizations are for the best interests of society.

## ATHENA.

First Debate—Was President Johnson guilty of the charges in the impeachment?

Second Debate—Impromptu.

## PHILOMATHIA.

First Debate—Resolved that Hawaii should be annexed to the United States.

Second Debate—Resolved that the English house of lords be abolished.

## E. G. RYAN.

First Debate—Resolved that there shall be an educational qualification for suffrage.

Second Debate—Resolved that divorce from "bed and board" shall not be granted.

## FORUM.

First Debate—Resolved that our jury system should be abolished in civil cases.

Second Debate—Resolved that the influence of Ingersoll is detrimental to society.

## COLUMBIAN.

First Debate—Resolved that capital punishment ought to be abolished.

Second Debate—Resolved that a verdict of three-fourths of the jury should be sufficient in civil cases.

## ENGINEERS' ASSOCIATION.

Train Lighting by Electricity—S. R. Sheldon.

Launching a Warship—A. R. Sawyer.

Artificial Ice-Making—R. W. Hargrave.

Debate—Resolved that the Electrical Street Ry. system is better adapted for cities of over 200,000 population than the cable system.

Civil Period—C. W. Fuller.

Engineering Period—J. W. Buhhotz.

Mechanical Period—F. C. Cron.

## '98 ENGINEERS' REVIEW CLUB.

Railway Gazette—L. J. Thaller.

Electrical World—R. E. Heine.

American Machinist—M. E. Seymour.

Electrical Industries—Allard Smith.

Scientific American—H. D. Tower.

Western Electrician—M. W. Hanks.

Scientific American Supplement—L. F. Austin.

Electrical Review—O. M. Leich.

Railway Review—G. V. R. Shepard.

## U. W. ENGINEERS' CLUB.

Electrical American—A. N. Tonle.

Electrical American Supplement—T. Owen.

Electrical World—H. W. Reilly.

Debate—Resolved that the "T" Rail

is better for street railway purpose than the "Girder" rail.

American Machinist—T. H. Ahara.

Electrical Engineer—P. F. Harloff.

Safety Valve—I. H. Fowle.

## PHARMACEUTICAL SOCIETY.

Music.

Recitation—Miss Lepha Bennett.

Address—Dr. McConnel.

Recess and Specimen Review.

Music.

Biography—Maisch, E. R. Lading.

Paper—Store Argument.

Pres. T. W. Longdon.

## CASTALIA.

Music—Miss Chapman.

Reading—Sheibel.

Debate—Resolved that more good than evil resulted from life and teachings of Mahomet.

Recitation—Miss Vernon.

News Items—Miss McKown.

Story—Miss Maynard.

Parliamentary Practice.

Music—Miss Green.

## LAUREA.

Music—Miss Church.

Debate—Resolved that church property should be taxed.

Recitation—Maine.

Farce—Misses Hart, Steenberg and Knight.

Critics Report.

## DEATH OF DR. EZRA S. CARR.

Dr. Carr will be remembered by the older citizens of Madison as professor of chemistry in the state university, which position he held from 1856 to 1868. He was a native of New York and was born in 1819, and graduated from the Rensselaer Polytechnic Institute in 1838. He received his medical diploma in 1842 and was appointed professor of chemistry and pharmacy in the Medical College of Castleton, Vt. While in this position he received honorary degrees from Williams and Middlebury colleges. After his eleven years' service in the University of Wisconsin he went to San Francisco, California, to accept the chair of medical chemistry in Tolane Medical College and that of agricultural chemistry in the University of California. After holding the latter position six years he was elected superintendent of public instruction. At the close of his official term in 1877, after more than thirty years of continuous educational work, he settled in Pasadena where he resided until his death, November 26, 1894.

Dr. Carr was a teacher of exceptional ability and a lecturer of great power. He was an evolutionist when science was regarded as skepticism and evolution as atheism. His pupils are scattered over the United States and will learn of the death of their old master with sincere regret.

His body was taken to Los Angeles for cremation.

—P. G. Heyn, '97, is receiving a visit from his mother.

—Mr. Milton Hopkins Tipton of Normal, Illinois, is visiting the university.

—Prof. Henry is out attending farmers' institutes. He is at Sturgeon Bay today.

—President Walker of the Massachusetts Institute of Technology who is one of the twelve members of the Phi Beta Kappa senate, is endeavoring to procure from the society a charter for the institute.

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The large number of new ice boats to be put upon the lake this winter safely predicts a season of quite as much enthusiasm as was last winter. We all know how popular the sport was last year and such a prediction may seem out of place so early in the season, yet here can be no doubt of it if a judgment can be correctly made from the number of new ones either finished or in process of construction. It is only to be hoped that an organization can be affected and regular regatta thereby assured.

There is everything to gain for freshmen in literary societies in taking early steps towards their "blowouts." The spring term is a poor time to hold these meetings as interest is bound to decrease for anything outside of routine meetings. The blowouts during this term form excellent opportunities for members leaving their own society for the purpose of visiting others. If the freshmen are ever aware that the blowout is coming in the winter term they will work all the harder because of the time being shorter. Thus their work will be connected and there will not be time for them to lose their enthusiasm. The other societies will do well to follow the example set by Hesperia.

The third page of tonight's Cardinal contains an article on the value of Interscholastic athletic associations and the very great necessity of Wisconsin forming one at once. We must get some such thing organized if we are to maintain our place in western collegiate athletics and the sooner the better. The expenses would not be great, the prizes could be paid for from the receipts and the balance, if any,

be divided among the schools represented. The only thing is the time and trouble of getting the plans formulated and securing the co-operation of the schools. The proposal must of course emanate from the Athletic association and if it is attended to at once it will be possible to hold a meet in the spring of '95. This brings up the question of fixing up Randall field and re-enforce what has already been said on that subject. We must have a Wisconsin Interscholastic Athletic association and we must have a suitable athletic field on which to hold its meets as well as our own various games. The Cardinal will be only too glad to do anything in its power toward the furtherance of either of these schemes.

## BOATING AT WISCONSIN.

The "Walter Camp" season as the football season has been called, is over and by. The "Bob Cook" season comes on apace. Our boating men have their eyes open as to their present and future needs and find the latter are especially numerous. The motto this year is "Beat Minnesota." Not only the University of Minnesota, but also the crew of Civilians who lead the Varsity 2 1-2 lengths over the home buoys last June. The Minnesota University crew will have very much the same advantages as the Minnesota Boat club. The latter has invited the university men to get out a crew and use their coach Kennedy, and their boats. In addition a rowing tank has been put in the Minnesota boat house and the entire training and racing outfit which is usually at the disposal of eastern crews are within the University of Minnesota's navy reach.

The whole meaning of this was not apparent early in the fall. But the boating men here now see that it is indeed a serious matter. It means that Wisconsin will have to have equal advantages. A new shell for one thing. A good coach for another. And above all the best possible of training appliances to be used during the winter months. They will have to overcome veterans, and in order to do this they must make veterans of our oarsmen. The rowing of the few weeks of the spring term is not enough. What has been found of greatest value for winter work in the east is the rowing tank. A great many of the fine points of blade work and the recovery may be applied in a tank when it is quite impossible to do so on a machine. The only points which may be taught on the machine are those of body form on the pull. This, with the muscular exercise is obtained in the tank with the addition of the other advantages.

The best coaches hold that while a man can not learn to row in a tank yet the fine points of body and leg form, the recovery and blade work, may be demonstrated much more effectively in the tank than even in the shell. What can not be learned in the tank is the proper ordering of the muscles of the body to properly govern the body while the shell is in motion and constantly rocking in the water. This seems to be a point which must be learned in the shell alone. And yet it is very little compared with what our crew men had to learn last year when they first went upon the water. A steam launch had to be hired in order to keep the coach within speaking distance of the men, and even then the explanations on each point had to be repeated over and over before they could be understood. These disadvantages the rowing men claim must be overcome and would be overcome if a tank could be constructed for crew practice. They will make every effort to obtain such a tank. The navy has been in correspondence with a number of the coaches of the country but as yet no one has been seriously considered.

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## INTERSCHOLASTIC ATHLETICS.

If there is any one cause more than another to which the higher development of athletics in the colleges and universities of the east is due, it is the high athletic development of the boys in the preparatory schools. This development is greatly stimulated by the various interscholastic leagues which have been formed, largely through the instrumentality of a few of the greater universities. The most prominent of these are the New York City Intercollegiate A. A., the New England I. A. A., (associated with these are also football and baseball associations) the Long Island I. A. A., the Philadelphia I. A. A., the N. Y. State I. A. A. and the Harvard, Yale, Princeton and Columbia Interscholastic Tennis associations. Few western men realize the quality of these school boy athletes and their performances and many can hardly believe some of the records which are made. Last spring Andover won the New England championship and the records made in the games compare favorably with those made at Chicago, June 2nd, many of them being better. Nineteen schools were represented and such records were made as the dashes in 10 1-5 and 22 2-5 seconds, the quarter in 50 3-5 seconds, the mile run in 4 min. 34 2-5 seconds and the mile walk in 7 min. 53 4-5 seconds. Finlay put the 16 lb. shot within an inch of 40 ft. and Johnson of the Brookline H. S. won the broad jump at 21 ft. 5 5-8 in. and the 12 lb. hammer at 125 ft. The high jump and pole vault were a little below the usual stand, the former being only 5 ft. 5 1-8 in. and the latter 10 ft. 7-8 in. as against records of 5 ft. 10 3-4 in. and 10 ft. 6 3-4 in. C. J. Paine, Jr., who made the former record while at Hopkinson's won the event in the intercollegiate games last spring. The majority of Harvard's many great track teams have been developed in the schools of this league. Some crack Harvard men, notably J. P. Lee and George R. Fearing, were developed in the New York league. The latter used to win the championship of this league almost single handed for his school, Cutler. The New York league is only a little way behind its New England rival, the performances ranging almost as high. A. S. Stickney now at Harvard, made a high jump record of 5 ft. 8 in. in the mud at its meet in '92 and T. L. Bogert walked a mile on boards at one of its indoor meets in 7 min. 34 secs. It would be possible to continue still further and give dozens of records made in these various meets, which any college athlete might be proud to hold. Nor is their excellence of the men confined to the track alone. All of these schools put both football and base ball teams in the field which in point of skill, brilliancy and nerve, in fact in everything except weight and seasoned muscle, are not much behind the minor eastern college teams. In '93 Lawrenceville scored on Princeton and Letton of Andover kicked a goal from the field on Harvard. Letton made the Yale team this fall and several of the Andover men are playing at Princeton, notably Riggs at center and Cochran full back. Three of the '94 Harvard team played at Hopkinson, three at the Boston Latin and of the others all but two played on other teams of the New England league previous to their entering Harvard. The same results are seen at Yale, only the schools represented are not the same ones. The two Hinkeys, Greenway and Murphy represent Andover. Hickok, McCrea and Stillman are from St. Paul's. Thorne is an old Berkley school man, and the others are from different schools of a high standing athletically. It is needless to say that the universities which draw on these schools for their material encourage them in every way, such as sending coaches to help them when possible, giving them the use of their fields and managing their games for them.

The importance of fostering these

interscholastic associations has not been thoroughly appreciated in the west or if it has been appreciated the higher institutions have not been in a position to do so. But the time has now arrived to act, and something of the sort by Wisconsin would be in line. The state contains a large number of good schools and much undeveloped athletic material and the Athletic association should take steps at once to form an association modelled after those so successful in the east. A field and track meet could be held each year and the state championship decided. The University of Illinois has formed an association which has already held two meetings and is quite strong, and the first results of it to the U. of I. were shown at Chicago last spring. The Illinois association contains only state high schools but a better plan would be to include other schools in the state ranking as high schools for these are often much stronger in athletic spirit than the public schools and would greatly strengthen the association. Such schools are the St. Johns Academy at Delafield, Carroll College at Waukesha, Racine Academy and many other private schools throughout the state. Much could be done for other sports too though of course it would be manifestly impossible for the teams to play complete schedules of games but it would facilitate deciding the state scholastic championship and bring them quite directly under the guidance of the university. Other events would grow out of it naturally, such as possibly an annual gig race between the freshmen and St. Johns crews. The school at Delafield is probably the only one in the west which fosters rowing and if its men can be interested in U. W. it may be valuable feeder for future Wisconsin crews.

## CHRISTMAS MUSICAL WORLD.

Brainard's Musical World for December is a beautiful "Christmas Holiday Number" and contains besides a large amount of choice musical reading, fine illustrations and portraits (including a "Rubinstein Supplement") the following new music: "Belle of the Evening Waltzes," "The Blacksmith," a descriptive piece, "Darling is Here," transcription and "Cadets Parade March," four piano pieces, and a beautiful song "For You." During this month the publishers offer to send the Musical World on trial for four months on receipt of 25 cents in stamps. This will include the beautiful Christmas and New Year's Holiday numbers, and the four issues will contain about twenty pieces of new music, besides a large amount of interesting musical reading. No music lover should fail to accept this liberal offer.

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CALL AT  
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FINEST CABINETS  
\$2.50 PER DOZ.

## OFFICIAL NOTICES.

DECEMBER 6, 1894.

ENGLISH AND MODERN EUROPEAN HISTORY.

An examination for the removal of conditons received in the above subject in the spring term of 1893-4, will be held Thursday, Dec. 13, at 2:30 p.m. in room 11, Main hall.

Victor Coffin.

LECTURE TO ENGINEERING STUDENTS.

The first lecture to engineering students will be delivered tomorrow afternoon at 3 p.m. in the physical lecture room by J. A. Ferguson.

The student body at Stanford University is soon to give a reception in honor of Walter Camp.

Locals under this head to a word

Toilet articles, perfumes and holiday goods at O'Connor & Williams.

Joe Dunkel repairs the students' shoes at 622 University Ave.

Lundburg's Perfumes in beautiful packages for holiday presents at O'Connor & Williams.

CURLING CLUB—The annual meeting of the U. W. Curling club, for the election of officers and the transaction of business, will be held at the Delta Tau Delta lodge, Thursday at 5 p.m. W. C. Woodward, Sec.

PRESS CLUB: The regular meeting of the University Press club will be held Wednesday, Dec. 12.

LOST: A Wirt fountain pen with initial "B" on end of barrel. Return to Badger box, Main or Science halls.

Students can learn the Two Step in one lesson by calling on Prof. Kehl.

## STUDENTS.

We keep constantly on hand the best and purest confections, fruits, canned goods, etc. Reduced prices to sociables, parties, and students' clubs. Purcell Bros.

CUT FLOWERS for all occasions at the Woman's Exchange. Large orders a specialty. Greenhouse, 438 West Clymer street.

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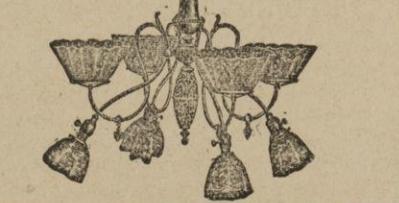
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