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The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

Vol. IV.—No 73]

MADISON, WIS., MONDAY, DECEMBER 10, 1894.

[PRICE THREE CENTS.

MEETING OF MATHEMATICIANS

PAPER ON HAMILTON BY MR. DOUDNA.

DR. VAN VLECK TALKS ON TRIANGLES.

Both Subjects to Be Continued Next Saturday.

The Mathematical club held its regular meeting in room 21 Science hall Saturday afternoon at 2 o'clock. The meeting was quite well attended and proved a very interesting one. The principal paper of the afternoon, "Some New Plane and Spherical Triangles," was given by Dr. Van Vleck.

The session was opened by a short talk on the life of Sir William Rowan Hamilton by P. E. Doudna. The character of Hamilton is such a peculiar one that a brief synopsis may be of some interest.

He was born in Dublin of Scotch parentage in 1805. Early he gave evidence of a powerful intellect. His father being so busied with his profession, that of solicitor, gave the education of young Hamilton over to the care of an uncle. The child was to be educated in the languages to fit him for the Indian service. With what success he took to this work, is best told in the following words: "At the age of three he was a superior reader of English and considerably advanced in arithmetic; at five able to read and translate Latin, Greek and Hebrew, and loved to recite Dryden, Collins, Milton and Homer, at eight he had added Italian and French and gives vent to his feelings in extemporized Latin." We might continue but suffice it to say that at the age of thirteen he had studied thirteen languages.

At the age of ten he commenced his mathematical work with a Latin copy of Euclid as a text. In his mathematical work he was mostly self taught. Nevertheless at fifteen he had mastered the elements of pure and applied mathematics and had commenced the study of Newton's Principia and Laplace's Mechanique Celeste.

He entered Trinity College, Dublin, in 1823 and while there swept everything before him. He received honors in Greek, Physics, mathematics and twice received the vice chancellor's prize for English verse. Before he had finished his college course he was elected professor of astronomy in Trinity college.

As a companion he was greatly in request. He enjoyed college sports as much as any of his fellow students. He had their respect as well as admiration. It is seldom in one man that we find so many qualities combined.

Dr. Van Vleck followed Mr. Doudna with a paper upon "Some new plane and spherical triangles." A spherical triangle was defined as a portion of the sphere's surface bounded by any three circles, great or small. Three classes were distinguished according as to the planes of the three circles met within, upon, or without the

sphere. In the corresponding triangles the sum of the angles was respectively greater than, equal to, or less than two right angles. These classes give rise to three geometries of entirely different character, the ordinary spherical or so-called elliptic geometry, the parabolic, and the hyperbolic. In a plane, triangles were also defined as figures with three boundaries, either straight lines or circles, and the same three kinds of triangles were pointed out. The plane was then treated as having a single infinitely removed point and in consequence was regarded as closed like a sphere. The triangles which can then be formed have many peculiarities unlike those of ordinary triangles, of which many examples were given.

It was decided to hold the next meeting next Saturday at which time P. E. Doudna will give a second talk on Hamilton, speaking this time of Hamilton's mathematical discoveries. Dr. Van Vleck will also speak in continuation upon The Classification of Triangles. This paper will not presume knowledge of the last.

UNITARIAN GUILD.

The parlors of the Unitarian church were well crowded last Saturday evening at the meeting of the Young People's guild. A very interesting program was carried out and all pronounced the meeting a very enjoyable one. Mr. H. M. Lewis opened the meeting with a talk on Self-Reliance which was well received. He said that Emerson was an independent thinker—not one who obtained his philosophy by rumaging over the writings of thinkers who preceded him—his sublime code of ethics sprang from his own mind.

Dr. Van Hise then read a paper on the subject of "Enthusiasm." The gist of the paper was that every man should have some specialty, some single line of thought or action and to follow it with enthusiasm. General knowledge is widely different—we have received general information from our forefathers and we excel them in our knowledge of special subjects or proficiency in single lines of action. To be of service to one's fellow-men we must become thorough in some definite branch. Dr. Van Hise's paper was very scholarly throughout and he was attentively listened to. After the paper, "Self-Reliance" was studied, many taking part in the conversation. A social was then given to those present. The guild is studying Gunson's essay on Self-Reliance.

GYM WORK.

The method of instructing the classes in gymnasium work is certainly productive of good results. During the first twenty minutes the class as a whole exercises with dumb-bells, Indian clubs or bar-bells. After this the class is divided up into squads of ten who, under the leadership of a squad instructor, exercises at the parallel bars, horse, horizontal bar or some other piece of apparatus. Every ten minutes at the ringing of a gong the squads change apparatus. In this way all muscles of the body are sure of being exercised.

—It is rumored that Yale will play no more football games in New York City.

WHO WILL BE THE CAPTAIN

OF NEXT YEAR'S BASEBALL TEAM?

FRESHMEN FOR PHILOMATHIA'S BLOWOUT.

Young Is President—Fisher is Orator.

The members of last year's baseball team now in college held a meeting Saturday afternoon to elect a captain to fill the vacancy caused by the resignation of F. E. Dillon, who was elected last spring. As a number of the team have not returned it was decided to send for their votes before holding the election.

Among those mentioned for the place are C. H. Kummel, '95, and F. A. Wheelihan, law, '95. Mr. Kummel played short stop on last year's nine and filled the position well. Mr. Wheelihan has played on the team for some time, his position being first base.

PHILOMATHIA FRESHMAN BLOW-OUT.

Philomathian freshmen are assigned to the following positions on the freshman blowout:

President—Young.
First Debate—Davis, Spindler, L. D. Smith, Compton, Nelson Eddy, Meunzner, Willets.
Orator—Fisher.
Second Debate—Ela, Phoenix, Patzer, Berg, S. W. Smith, Harvey, Weter, Schmidtman.
Toaster—Edgren.
Presentation—Elver.

NOT THE AUTHOR.

There has been a vast amount of speculation and misunderstanding concerning the authorship of the article which appeared in the State Journal under the heading "Good Stock in the University." I desire to say that I knew nothing of the article until the Monday after its publication. I belong to the democratic, not to the aristocratic faction, and under no circumstances should I express sentiments so utterly foreign to my convictions as those embodied in the article in question.

Mary Cramer.

—On account of sickness Prof. E. R. Maurer was unable to meet his classes today.

—F. W. Henninger, right guard on the Michigan team, has been elected captain for next year.

—Rev. Waite, of Milwaukee, was in the city visiting his brother, Henry C. Waite, law '95.

—Prof. C. N. Gregory will be out of the city Wednesday next. Professors Olin and Jones will meet his classes on that day.

—The meeting of the University Press club has been changed from Wednesday to Thursday, Dec. 13, at 7 p. m.

WHO?

Many men now in college remember a famous Yale pitcher who lingered under alma mater's care untold years preparing himself for the ministry. Incidentally, he managed to snatch victory on the diamond from all comers. If we remember rightly, it was chiefly because of this pitcher's perennial residence at New Haven that the time limit was established in baseball. When he was at last excluded, he decided that amateur sport offered a better field for pious labors than the regular ministry. He therefore became a paid instructor in athletics and finally secured a position as director of physical culture at a western university, where, it may be supposed, he deemed the need of athletic purity greatest. His first act was to play upon the eleven he was training, and to captain it. This caused sharp comment in the west, to say the least. He replied to this with many pious sophistries, and in the following spring he pitched on the nine and captained it. At a recent intercollegiate athletic meeting at Chicago he entered one of his instructors, who was, like himself, a professional. When the entry was protested, Mr. Harry Carnish, physical director of the Chicago Athletic association, who, though neither a college man nor a divine, is a sportsman, threw it out without discussion.—Outing.

INFIRMARY AT WILLIAMS.

The faculty of Williams College has decided to erect immediately an infirmary for the use of students. The plans have been drawn, and these provide for a three-story building of wood, to cost about \$6,000. The first floor will be occupied by a family, which will have charge of the building, the second story, divided into wards, will be the hospital proper, and the third, which will be entirely separate from the others, will be used for patients with contagious diseases. The Williams faculty has been influenced in this prompt action by the unusual amount of sickness among college men this fall, and by the increasing need of immediate and skilled treatment in case of illness.

LEHIGH'S HONOR SYSTEM.

The Honor System at Lehigh is now an established fact, the constitution governing its enactment, having been accepted by the faculty. The Student Court will consist of ten members chosen from the four classes. Its scope is limited to the investigation of cases of fraud in university work.

Where guilt is established the court has power to recommend the proper punishment of the offender to the faculty of the university, but the court possesses the discretionary right, particularly for the first offense, to reprimand the offender without reporting to the faculty. When sitting as a court, six votes are requisite to render a decision, but in other cases a majority decides.—Daily Princetonian.

—Eight of this year's Harvard eleven will be eligible to play again next fall.

—In the past twelve years Yale has scored 5,614 points in football to opponents, 119.

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Secretary—S. H. Cady.Any failure to receive the Daily Cardinal
promptly should be reported to the
Business Manager.

The All-Western team as published yesterday in the Chicago Inter Ocean is, we should say, not by any means the best one that could be selected and shows quite plainly that it was written by a Chicago man. Minnesota certainly should be considered and either Michigan and Minnesota could probably furnish men who could out-play some of the men credited to Purdue and Chicago. The number of Chicago men who are given substitute positions is noticeable. Bunge and Harding of Minnesota could undoubtedly handle Fulkerson and Allen who are given the positions of guards. Giving Capt. Allen of Chicago the captaincy of the team is the most remarkable of the statements. Capt. Allen's handling of the Chicago team certainly has been "remarkable." If trying every player in almost every position on the team will give a man a good understanding of his players. Capt. Allen certainly should understand his men pretty well. Either Lyman or Baird could undoubtedly do better in handling the team than Allen.

COLLECTING SLANG.

The members of Professor Scott's classes in rhetoric, course 2, are engaged in collecting a list of slang words and phrases in use around the campus. Each student is required to hand in as many terms as possible, with proper definitions, and from this collection it is hoped to get the complete vocabulary of college provincialisms. The list will then be published, together with the slang used ten years ago at the University, and from this it will be possible to ascertain what changes have taken place in the words used to express certain college fancy.—U. of M. Daily.

FOOTBALL VS. BASEBALL.

Chicago Journal:—It is evident that a stout heart pumps something better than the skim milk of human kindness through the arteries of President Charles Kendall Adams of the Wisconsin state university. Instead of weeping crocodile tears over the alleged brutality of the modern game of inter-collegiate football he boldly declares it to be the best game for college men ever played. And President Adams is right, and chiefly, as he says, because of its moral influence on the students. You can not encourage the highest attributes of manhood in a boy without adding to his moral stature and fiber. Discipline, temperance and unflinching courage are essentials to the successful football player. Properly umpired a game of football requires of every player an absolute and instant control of the temper under the most exciting and exasperating circumstances. The young man who can be flung headlong to the earth or has the wind butted out of him in the midst of a brilliant run or plunge, and yet not lose his temper, is "better than he that taketh a city."

While Mr. Medill is engaged in his great scrimmage over the Illinois senatorship and "bucking the line" so that each day some fresh opponent is borne stunned and bleeding to the Inter Ocean hospital his society editress is anathematizing in choice boarding school English the "sluggers, bruisers and brutes" of the horrid game of football. "A bountiful crop of broken limbs, ribs and collar bones, disfigured facial features" and other casualties too numerous to mention dance through her untenanted brain cells until her pen fairly splutters gore. To her feverish imagination the way collegians "kick, maul, and slug each other" is simply awful. "It is ungentlemanly (unladylike she means) ruffianly, cruel and disgusting," and she might have added naughty and real nasty. To her gentle mind base ball is the game for colleges. She thinks "it is as athletic and robust, and calls for as much agility, endurance, strength, skill and finesse as football." In which the dear creature shows that she does not know the difference between bean-bag and baseball. Evidently she has never experienced the ecstatic thrill that surges along the bleachers when a foul tip caroms from the catcher's broken thumb and lays the umpire senseless on the bloody plain. She is unfamiliar with the statistics of broken noses, spiked shins, distorted hands and smashed craniums that tell their own story of the gentleness of baseball—which has caused it to be virtually surrendered to professionals.

Poor girl! She can not know what it is to sympathize with the fierce delight a healthy boy or young man takes in a game which involves a spice of bodily danger in the waging of it.

Between the Tribune editorials and the views of President Adams there is an irrepressible conflict of sex.

Bronson—I understand there is to be a general strike of baggagemen.

Johnson—Sympathetic?

Bronson—No; they have a grievance of their own. They object to the use of such marks as "This side up" and "Handle with care," as unwarrantable attempts at dictation.—Puck.

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THE IDEAL WESTERN TEAM.

The following is the opinion given by the Chicago Inter-Ocean in regard to the ideal western team. The article is interesting but most football experts would not agree with many of the opinions expressed. It is also worthless as it fails to take into consideration Minnesota, whose team was the second among western football elevens during the past season. It will be noticed that the players are divided as follows: Wisconsin, 5; Chicago, 2; Purdue, 2; Michigan, 1, and Beloit, 1.

"With the exception of Minnesota, all the strong teams of the northwest have played this fall in Chicago—Wisconsin, Michigan, Lake Forest, Northwestern, Purdue, Beloit, University of Iowa, Champaign, and the University of Chicago. A captain with carte blanche power to choose a team from the players of these nine colleges would get an eleven a great many times superior to any now representing a western college. The reason for this is that nearly all the western teams have a few very strong players, with the rest only mediocre.

"For center, Kull, of Wisconsin, would probably be chosen. Stevenson, of the Athletics, is a good man, and on the eastern trip he was never over-run, but Kull handled Stevenson in the game here with the Athletics. For substitute, Wyant would be a hot favorite. Though not so heavy as Kull, he is more tricky and will make more tackles. It would be an interesting game with the two pitted against each other.

"For guards Captain Allen, of Chicago, and Captain Fulkerson, of Purdue, would doubtless be chosen, with Jacobs, of Wisconsin, and Allen, of Iowa, as substitutes. Allen, of Chicago, and Fulkerson, of Purdue, are clearly the best players in the nine teams mentioned. The only question would be raised about Michigan's big guard Henninger. Jacobs plays a stronger line game than the Michigander, and Allen, of Iowa, would get in three plays to his one. The Iowa Allen has the material in him for one of the best guards in the west. Quick and strong, with proper coaching he would make a phenomenal player.

"For tackles Alward, of Purdue, and Bolzendahl, of Wisconsin, would be the most likely candidates. Both play a hard game on the rush line, and both are good ground gainers. Alward made most of the gains at Champaign when Purdue defeated Illinois 22 to 2, and through Bolzendahl a good share of Wisconsin gains were secured. Woolsey, of Lake Forest, and Roby, of Chicago, on account of their activity in breaking up the line and hard tackling would have a cinch as substitutes. Roby will get more fumbled balls than any other tackle in the west.

"The choice of ends would be much

more difficult on account of the scarcity of good men. Senter, though, would get a place on the team on the first day. He is far and away the best end in the west, barring Hayner, of Lake Forest, who has been playing quarter back this year. Sheldon, of Wisconsin, would doubtless be Senter's running mate, and the substitutes would be Hayes, of Michigan; Oberne, of Northwestern, and Schacht, of Illinois, in the order named.

"For quarter back Lyman, of Wisconsin, is facile princeps. Hering would doubtless be substitute. Though Captain Baird, of Michigan, is more experienced and more foxy, and handles a team beautifully, Hering would overpass him on the all-western team because of his superiority in handling the ball, in interference, and in tackling. In the Thanksgiving game Hering did not fumble the ball once.

"Ikey' Karel, of Wisconsin, and Ewing, of Chicago, would undoubtedly be the half backs, with Buschman of Purdue, and Ferbert, of Michigan, as substitutes. In this makeup two strong players would be left out, Nichols, of Chicago, and Nelson, of Wisconsin, to say nothing of Hotchkiss and Baum, of Illinois, who are by no means mediocre backs. But the four chosen are superior on the whole to those left out. Nichols makes brilliant runs and, also bad fumbles. He is not sure and his tackling is weak. Nelson is an excellent player, and, with Karel and Lyman, made a great trio, but his abilities as a player would be less prominent if he were thrown more on his own resources, though, on the other hand, the brilliancy of Karel's playing this fall has detracted from the credit due to him.

"Atkinson, of Beloit, is deserving of a place at full back. He hits the line harder than any other player in that position in the west, and is ready at any time for a run around the end. He braces the line in defensive work and covers a good deal of ground. Gale would easily be the substitute, and in case of an accident Atkinson would scarcely be missed. He punts strongly, and next to Atkinson gains more ground than any other full back in the west.

"In the all-western team chosen there are four captains. Judging from his experience with heterogeneous players at Chicago, C. W. Allen would make the best captain. He is a good judge of men, and he knows how to keep a team harmonious. He never loses his temper, and, thoroughly familiar with the game, he is quick to use every advantage. Lyman would give the signals. In goal kicking the team would be weak, but Lyman would probably be the surest."

—Cornell's Musical clubs will take a trip through New York, Philadelphia and Ohio during the Christmas holidays.

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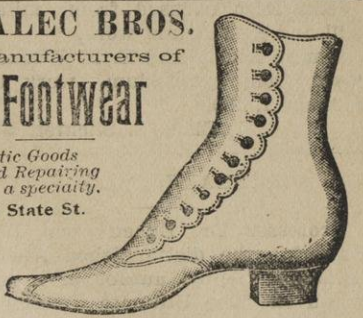
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OFFICIAL NOTICES.

EXCUSES.

The Athletic council makes the following announcements of excuses granted:

F. K. Landgraf excused from military drill for freshman year.

John Irish excused from military drill and gymnasium work.

Elmore Elvers and E. F. Woods excused from gymnasium work until January 1, 1895.

Chas. S. Slichter, Sec.

LITERARY NOTE.

Professor Dr. Eugen von Bohm-Bawerk, the distinguished Austrian economist, is the author of a monograph on "The Ultimate Standard of Value," which has lately been issued in its series of publications by the American Academy of Political and Social Science.

Every person interested in political economy can obtain from his work the latest views of the Austrian School on the important subject of "value."

The book has been translated by Dr. C. W. Macfarlane. This is the fourth German scientific work which the academy has brought within the reach of the English-speaking public. The others were Prof. Meitzen's "History, Theory and Technique of Statistics;" Prof. Gustav Cohn's "History of Political Economy," and Prof. Gustav Schmoller's "Idea of Justice in Political Economy."

SENIOR CANES: Seniors can now procure '95 canes at Rundell's.

PRESS CLUB—The University Press club will meet on Thursday, Dec. 13, at 7 p. m., instead of Wednesday, as previously announced.

"Refuse me," he hissed, "and I will thrust his poniard into my bosom."

"I refuse you," she replied. "Do your worst."

His was no idle threat.

Her persistent rejection of his suit left him no alternative but to return to his old business of sword-swallowing to earn a living.—Detroit Tribune.

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