

VOL. 8

WORCESTER, MASS., OCTOBER 3, 1916

NO. 3

Freshman-Sophomore Game

Safety Yields Sophs 3 Points

The annual Freshman-Sophomore football game was played on Alumni Field, Friday afternoon, and resulted in a victory for the class of 1919. Rain started with the beginning of the game and this obstacle made it disagreeable for both spectators and players. Short periods of five minutes length made up the game.

Neither team showed anything brilliant, but some good material was brought to light. To decide the championship two more games will be played on dates to be announced later.

Needham was not in the game owing to a strained tendon incurred early in the week. He is expected to return to the squad this week.

At. 4.30 Referee Carpenter blew his whistle, and the Freshmen kicked off to the Sophomores. An attempt by the Sophomores to plunge through the Freshmen's line was a failure. Again the lineplunge was tried, but the Freshmen held. Now Morse punted and Arthur received the ball only to be thrown across his own goal line for a safety, the only score of the game. The ball was then placed on the twenty-yard line. From here the Sophomores started down the field and were within ten yards of the Freshmen's goal when the half ended, saving the Freshmen from what seemed a sure touch-down.

Second Half

The second half proved to be much more interesting than the first for both teams were feeling the support their followers were giving to them. The Sophomores kicked off to Arthur who carried the ball back fifteen yards. The third period ended with the ball still in the Sophomore's hands.

After a one-minute rest period, play was started again. The Sophomores went through the Freshmen's line which seemed to be getting weak at this stage of the game. The next play was the most spectacular play of the game, when Russell received the ball from Morse and ran around left end for a gain of twenty-five yards. On the following play Morse received the ball, but fumbled, letting Horner of the Freshmen get the ball. Horner fumbled directly after and Morse once more caught the ball, making a gain of ten yards.

| 1 | ineup |
|-------------------|-------------------|
| SOPHOMORES | FRESHM |
| Canfield l. g. | Arthur q. b. |
| Sessions, l. t. | Lower, l. h. b. |
| McCaffrey, l. e. | Fielder, r. h. b. |
| Rutherford, r. g. | Mossberg, f. b. |
| Carton, r. h. b. | Davis, r. e. |
| Russell, r. e. | Card, r. t. |
| Haycock, c. | Hill, r. g. |
| Morse, q. b. | Horner, l. e. |
| Arnold, f. b. | Stone, l. t. |
| (Continue | ad on Page #) |

(Continued on Page 3)

Prof. Carpenter Heads Athletic Committee

Faculty Committees

The faculty committees for the coming ear have been appointed by President Hollis. Professor Carpenter is to be the new chairman of the committee on athletics, Professors Butterfield and Knight are to represent the faculty, while R. S. Riley and A. E. Rankin are to act for the alumni and C. S. Darling for the student body.

The Committees are as follows:

On Courses of Study and Degree Prof. G. H. Haynes, chairman, Prof. W. L. Jennings, Prof. H. B. Smith, Prof. A. W. Duff, Prof. A. W. French, Prof. W. W. Bird and President Ica N. Hollis.

Committee on Students-Prof. A. L. Smith, chairman; Profs. J. O. Phelan, A. W. Ewell, H. C. Ives, Frederick Bonnet.

(Continued on page 3)

CLASS ELECTIONS

Seniors

At a meeting of the Senior Class held last Thursday noon the officers for the first semester were elected as follows: G. M. Pomeroy, President; W. F. Duffy, Vice President; E. M. Bates, Secretary; R. H. Smith, Treasurer; P. C. Pray and E. F. King, senior delegates to the Tech Conneil.

Juniors

The Junior caucus last Wednesday noon resulted in a majority vote for three of the offices, while the contest for Secretary will require another ballot. The officers who were elected with majority vote were:-President, N. P. Knowlton; Vice President, A. G. Green; Treasurer, N. C. Firth; all being Worcester men. For Secretary, J. F. Kyes, of Worcester, and A. M. Millard, of Norwich, polled 32 and 31 votes respectively, and, as the two leading candidates for the office, will be slated at the final election tomorrow. Although three or four men were nominated for each office, in this contest alone did the caucus vote fail of being final.

Sophomores

At two recent meetings of the sophomore class, the following officers were installed for this half year:

President, A. H. Welch.

Vice President, T. B. Rutherford. Secretary, W. S. Titcomb (unanimous). Treasurer, W. C. Harcus.

By unanimous vote D. T. Canfield was chosen captain of a team to pull the Freshmen through Institute Pond.

JUNIOR CLASS TO MEET

Tomorrow after the Economics lecture the Junior Class will meet to elect a Secretary from the two candidates nominated at the caucus last week and to nominate and elect a delegate to the Tech Council.

Tennis Tournament Started

First Round Closes October 7th

The schedule of opponents for the first round of the Annual Fall Tennis Tournament has been arranged by Managers Wheeler and Tomblen and is as posted in Boynton Hall. It is planned that the first round will close Saturday night, October 7th. The second round will close on Thursday night, October 12th.

The preliminary matches will be decided by the best two out of three sets and the final round will be decided by the best three out of five. It is emphatically urged that the contestants post their scores on the Boynton Hall bulletin board immediately after each match. The contestants who have not yet paid their entry fee are requested to do so to one of the managers at once.

The committee has decided to postpone the holding of the doubles tournament till next Spring, the final match to be held during commencement week.

The result of the drawing for the first round matches is as follows:-Briggs '19 vs. Hatch '17, Greeley '19 vs. Guillon '20, Fitzmaurice '18 vs. Saunders '20, Amsden '19 vs. C. C. Moore '18, Cassavant '18 vs. Card '20, Tomblen '17 vs. Russell '20, McConville '19 vs. Midwood '20, Bird '17 vs. Gilbert '20, Brooks '20 vs. Woodward '20, R. H. Wheeler '17 vs. Towle '17, Cutler '17 vs. Rice '18, Agar '20 vs. Bredenberg '17, Haselton '15 vs. Butterworth '17, Waddell '18 vs. Winckler '20, Livermore '18 vs. Vinal '18, Fung '17 vs. Wood '17.

PROFESSOR IVES HONORED Nominated to N. I. S. S.

W. P. I. has been again honored through a member of its faculty. The National Institute of Social Sciences has nominated to membership in it, Prof. Howard C. Ives of the Civil Engineering Department. Professor Ives owes this nomination to his work in advancing the science of Civil Engineering as a teacher and author of numerous well known text books on the subject.

The National Institute comprises several hundred distinguished persons of high attainments in the arts and sciences. The organization has as its president Dr. Nicholas Murray Butler and numbers among its vice-presidents such celebrities as Miss Jane Addams, Elihu Root, Oscar S. Strauss, Hamilton Wright Mabie, Robert Bacon, and Robert H. Choate.

ROPE PULL COMMITTEE APPOINTED

In accordance with a vote of the Junior Class, Sept. 27, 1916, President Knowlton has appointed the following committee to take charge of the annual Freshman-Sophomore Rope Pull:-F. E. Wood, Chairman; C. C. More, C. L. Waddell, H. P. Crane, L. F. Levanthal.

Norwich on Alumni Field Saturday

No Cut in Squad

While no heavy work has been done as yet, Coach Blake feels confident that his men will give a good account of themselves in the Norwich game Saturday. So far the men have been drilled in the rudiments of the game and special attention given to getting them into condition for the harder work to come this week. The punters and linemen have come in for some valuable instruction. The line, from present indications, will be some heavier than last year's line. There are more than enough candidates out to make up the three teams which Coach Blake intends to send on the field next Saturday. As yet no cut has been made in the squad. and none will be made, at least until after the Norwich game, and even then it is doubtful that any great cut will be made as Coach Blake wants to keep as many men out as possible. The Norwich game will offer an opportunity of trying out considerable new material, and it is expected that many of the new men will get into this game.

This week will see the squad put through some stiff scrimmage work to give the coach a line on the men in action. Cassavant, who is out of the game with an injured knee, will have charge of the second string men, while Merriam has offered to assist Coach Blake in rounding the team into shape. A little later John Kilpatrick, the old Yale star, will be on hand to give the squad some pointers. Kilpatrick is at present with the cavalry at Mineola and will come to Worcester as soon as camp is broken.

No practice was held Saturday afternoon; through the kindness of Coach Blake, the entire squad attended the

(Continued on Page 3)

TECH SHOW Fifty Dollar Prize

The Dramatic Association will offer as usual a fifty dollar prize to the Tech man writing the best show for this year's production. The plays are judged by a committee composed of the coach and two faculty members. All competitors will have to get their manuscripts in by the first of December and now is high time to begin. Further particulars may be had from General Manager Wheeler and further announcements will follow soon.

CALENDAR

TUESDAY-5 p. m. News Building. Meeting Tech News Staff.

FRIDAY-8 p. m. M. E. Lecture Room. Mr. Stanley speaks to M. E. Society. TURDAY-3 p. m. Alumni Field, Football, Tech vs. Norwich.

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The Tech News welcomes communications but does not hold itself responsible for the opinions therein expressed.

All material should be in before Thursday noon at the latest in order to have it appear in the week's issue.

Entered as second-class matter, September 21, 1910, at the postoffice at Worcester, Mass., under the Act of March 3d, 1879.

All communications should be addressed to Tech News, Worcester Polytechnic Institute

THE DAVIS PRESS

OCTOBER 3, 1916

BOOST TECH

Editorials

INFORMAL DANCES

The plan as outlined elsewhere in this issue has one fault; not one dance should be planned, but several should be held during the Fall and Winter. Have a dance after some football game this Fall. It will increase the attendance at the game and give the men on the Hill an opportunity to show friends and visitors a good time after the game. At many colleges an affair of this kind is held once a month and meets with approval on all sides. For two years now there have been held a series of Faculty assemblies which have been enjoyed by everyone who attended. Anything which will bring the men together is a good thing for the student body and there is nothing which will do it so well as a series of affairs of pleasant evening for all those attending. at the Institute.

the kind planned. The Musical Association is particularly fitted to undertake this work, both from the standpoint of experience and ability.

USE AND ABUSE

The alumni planned to have the student body make use of every feature in the gymnasium. They have spared neither money nor pains to supply us with the best of everything; now it is up to us to use the gymnasium as it should be used. The bowling allies, in particular, come in for their share of use and abuse. Do not slide over the foul line. The allies were built for bowling, not for a sliding pond. Add to the life of the gymnasium by applying a little thought.

Also there are men who will continue to use the allies and the tennis courts continuously while others stand and wait for a chance. Remember there are others to consider besides vourself. If common courtesy will not prompt a man when to allow someone else a share in the privileges, some plan of booking will have to be evolved whereby one can be sure of a chance. This, however, should not be necessary. There is enough to go around if each will take only his share.

PHILIPVS

Are you a tight or loose pulley? Does this question seem foolish? Think a moment.

The loose pulley in a piece of machinery has power behind it. But it transmits none. All day long it is making a great show of speed-and nothing else.

Are you a loose pulley? That is, do you make a great show of absorbing education, but pass nothing on? Don't wait till you graduate. It will mean lost years. Many business men complain that technical school graduates do not know how to pitch on to a job. They have run along by themselves so long that it is a serious jolt to have to learn to handle men. Start now to avoid such a calamity. Your room-mate-perhaps he is not getting along well. Practise on him. Or back at home-is there some puttering. well-meaning fellow who is only partly efficient in his little factory or work-shop? Get interested in his welfare. It is a pleasant paradox that the more information we can give away, the more we have.

You are belted to the power, here at Tech-can't you start some machinery moving? Once again, are you a tight or loose pulley?

E. E. NOTES

An appropriation has recently been made which will provide a seven hundred and fifty-mile artificial power transmission line for the Electrical Engineering Department, which will be of such a character as to offer unusual facilities for the study of the phenomena of long distance transmission circuits. This is a field in which the Institute has been a pioneer and the new equipment will provide opportunity for further work of instruction and inves-

PROFESSOR READ ENTERTAINS

Prof. C. A. Read entertained about twenty-five of the senior mechanics at his home last Wednesday evening. Mr. Peabody, the new Mechanical Engineering Instructor, assisted Professor Read in entertaining through the evening Smokes and refreshments added toward a very

Miss Ruby H. Day - DANCING

TECH AND STUDENTS

Classes for Beginners and Advanced Pupils Open this Friday Oct. 6th

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A COMMUNICATION

DEAR SIR:

The Class of 1914 endowed the Institute with six good tennis courts which were presumably intended for general use. It is true that the courts are in constant use, but a careful observer can see that practically the same crowd is on them very day. The sad feature of all this is that when two or four men get on a court in the afternoon, they seldom leave until darkness prohibits further playing. Intervention by the authorities would be unwelcome in this matter, but I think popular opinion ought to restrain selfish players and cause the adoption of some limit for play when others are waiting for a court. A hog will not see this for himself; he must be forced to understand that others have equal rights.

TENNIS.

WIRELESS ASSOCIATION TO MEET Election of Officers

President Burgess of the Wireless Association has issued the call for the first meeting of the year on Thursday, October 5, at five o'clock in Room 1, E. E. Building. The business of the meeting includes the election of officers for the present half year, and a discussion of work to be taken up by the association.

Efforts of Burgess, '16, and Colburn. '16, during the past summer have resulted in bringing the set up to high efficiency. Present measurements of the antenna radiation show five amperes at one kilowatt, and upon completion of the oilimmersed plate condenser which is one of the important projects now before the association, it is expected that the set will be operated at its full rating of 2 K.W. Certain changes in the aerial are contemplated which will increase receiving as well as sending range.

The first meeting offers an excellent opportunity for inspection of a first-class radio installation especially to men who, up to the present time, have not been actively connected with wireless operation

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PROFESSOR CARPENTER HEADS ATHLETIC COMMITTEE

(Continued from Page 1)

Committee on Admission of Students and Certification of Preparatory Schools-Prof. L. L. Conant, chairman; Profs. Z. W. Coombs, D. F. Calhane and Mr. J. A. Spaulding.

Committee on Scholarships-President Ira N. Hollis, chairman; Profs. R. C. Sweetser, and H. P. Fairfield.

Committee on the Hour Plan, Institute Events and Divisions of Students-Profs. R. K. Morley, chairman, Prof. J. C. Davis, M. Masius and J. A. Spaulding.

Committee on the Press, Publicity and Tech News-Prof. C. J. Adams, chairman, Profs. C. A. Read, C. A. Pierce, Mr. St. John, Mr. H. R. Power and Mr. H. N. Eaton.

Committee on the Journal and Printing-Prof. G. H. Havnes, chairman, Profs. C. M. Allen and C. D. Knight.

Committee on Athletjes-Prof. P. R. Carpenter, chairman, Profs. A. D. Butterfield and A. J. Knight, R. S. Riley, A. E. Rankin, C. S. Darling.

Committee on Grounds and Buildings-Prof. W. L. Jennings, chairman, Prof. C. D. Knight and Mr. S. E. Balcom.

Committee on Books and Supplies Prof. W. W. Bird, chairman, Profs. C. A. Pierce, R. K. Morley.

Committee on the Library-Dr. Farrington Daniels and President Ira N. Hollis

V. M. C. A. RECEPTION FOR FRESHMEN ONLY

A new number was added to the program of the Y. M. C. A. Monday evening September 25th when a special reception was held for the purpose of making Freshmen feel at home at W. P. I.

The exercises began with a sleight-ofhand entertainment by Raymond Hicks who has returned to Tech. His work and talk were very clever and demonstrated clearly Mr. Hicks' powers as a mirth maker.

Speeches by E. F. Miner of the Alumni Advisory Board, Gren Pierrel, General Secretary, A. W. Francis of the Friendship Committee, Maxton Flint, President, and C. W. Parsons, and R. W. Hirst, members of the cabinet, were followed by practising of Tech songs and cheers. Refreshments completed festivities which deserve to become a Tech custom.

NAVAL PLATTSBURGH W. P. I. Well Represented

Tech was well represented among the many colleges men who went on the civilians' naval cruise last month. Wheeler, '17, Haselton, '18, and Magoun were aboard the U. S. S. "Kearsarge"; Whitney, '19, Sibley, '18, and Harriman, '20, were on the U. S. S. "Virginia," while The Davis Press Hubbard, '18, went on the battleship "New Jersey." The men received very valuable instruction in many phases of the work aboard the battleships, and nearly all have signed up as reservists.

CHEMISTRY NOTES

Nels Nelson, '14, formerly Health Officer at Long Branch, N. J., has recently been made Health Officer at Red Bank,

"OUT OF SCHOOL WITH THE NOTABLES"

Prof. W. W. Bird

The head of the M. E. Department was here in town till August 20th, when he broke away for a camping and fishing trip up North. He went up into the backwoods country north-east of Moosehead Lake, about forty miles from Nowhere. The Professor walked for about one hundred miles of the way back, having many amusing misadventures.

Prof. G. H. Haynes

The Department of E. and P. S. has been doing nothing this summer, so he says. But he watched what the men at the nominating conventions in Chicago did and came back stocked with a wealth of new material. Also, an admirer of Professor Haynes whispered something to us about prizes for horticulture. We suggest that you find out how much is in the rumor for yourselves.

Prof. C. A. Read

Professor Read was at home all summer except for week-end trips, which included Greenfield, Holyoke, Hingham, and Nantasket. And besides that, with the help of his twelve-year-old son, he painted the house and garage, and laid a hard-wood floor. Surely, variety is the spice, etc., etc.

NORWICH ON ALUMNI FIELD SATURDAY

(Continued from Page 1)

Princeton-Holy Cross game. Many had an opportunity of seeing the Princeton teams in action last Friday when they were given their final workout on Alumni Field.

Last year Tech won the Norwich game by a 6 to 0 score; this year Norwich has had the advantage of an earlier start, playing Trinity Saturday and losing a 3 to 0 game.

The other teams on this year's schedule who played Saturday were Union, Boston College and Rensselaer. Union lost to Middlebury 5 to 0; Boston College lost to Dartmouth 32 to 6 and Rensselaer lost to Williams 31 to 6.

FRESHMAN-SOPHOMORE GAME

(Continued from Page 1)

Briggs, l. h. b. Gaven, c. Welsh, r. t. Woodard, l. g. Referee-Carpenter. Umpire-Blake. Timer-Brackett. Head linesman-Banan. Linesmen-Harriman, McDonald.

PHYSICS DEPARTMENT NOTES

Professor Duff brought home with him from his recent trip abroad several German porcelain tubes for use in the electric furnaces in the physics department. He got them in England

The fourth edition of the "Text-Book of Physics," of which Professor Duff is editor-in-chief, was published this summer. The most conspicuous changes in the new edition is the complete revision of the portion on "Sound."

C. C. WHIPPLE AT N. H. STATE

C. C. Whipple, '15, will assist Dean Hewitt of New Hampshire State College



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FALL BASEBALL

New System under Coach Brough

The effects of the new athletic policy are already to be found in every branch of sport and in none more so than in baseball. Coach Brough has had a squad out on the diamond for several afternoons, drilling them in the rudiments of handling the ball, and batting. This work is preliminary to a series of interclass games which is expected to start shortly if a sufficient number of men turn out. This method will give the coach a line on his material for the next year's team and will save considerable time next spring enabling the team to get off to an early start.

W. P. I. REPRESENTED IN NEW VORK

National Exposition Chemical Industries

The Institute was represented by several members of the department of Chemistry at the Second National Exposition of Chemical Industries which was held last week in New York.

Professor Bonnet spoke at one of the several meetings of the American Chemical Society which were held during the week. His subject was, "The Sanitation of Swimming Pools," and he gave some of the results of the investigation by Mr. S. Collier '16, of the pools at the Worcester Boys' Club and the Worcester Academy under Dr. Bonnet's direction.

Dr. Daniels presented two papers; one on "The Specific Heat and the Heat of Hydration of Wheat Flour," the thesis subject of P. P. Murdick '16, and one on "The Catalytic Oxidation and Reduction of Iron Sulphate by Colloidal Platinum."

Professor Jennings attended the meetings of the American Chemical Society's Council of which he is a member. H. R. Power and Dr. Calhane also attended the exposition together with a party of Senior Chemists.

INFORMAL DANCE

Under Auspices of Musical Association

It has been suggested that the Musical Association run an informal dance in the gym during the latter part of next month. The idea of the dance will be to fill in the big breach in social life at Tech; it is to be informal so as to keep up the get-together spirit and also to make it no financial problem for any man to attend. The dance will begin a little after eight o'clock and will not last later than eleven-thirty; the music will be furnished by the Tech Orchestra. The price for admission will probably be about seventy-five cents a couple. Dance programs will be given out and refreshments will be served.

The above is an outline of an informal

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dance which has been suggested to the Musical Association. Any ideas as to what success such a dance might have, any suggestions as to the date, any criticisms concerning price or program will be acceptable to the Musical Association. There has always been a demand for informal dances but heretofore there has never been a suitable place on the Hill to run a dance. However, with the gymnasium the problem of a hall is settled. Such a dance should be popular not only for the sake of dancing but also because it would offer another opportunity for Tech men to get together again. It is hoped that this idea will meet with approval and that there will be sufficient demand for a dance to make it worth while for the Musical Association to undertake the task of running it.

M. E. SOCIETY MEETING M. F. E. Stanley to Speak

The first engineering society meeting of the year will be held Friday evening in the Mechanical Engineering Lecture Room. Under the auspices of the student branch of the A. S. M. E., Mr. F. E. Stanley, of the Stanley Motor Carriage Co., of Newton, will lecture on "Steam Propelled Vehicles." He will speak of the uses of steam for locomotion in automobiles as well as in a new steam car to be run on rails which he is perfecting. He will also discuss tests with superheated steam and observations and original ideas about the uses of steam. Slides will illustrate the

Meetings of this and the other three engineering societies should be of particular interest to freshmen. They will give them an idea of the possibilities in engineering, and may give inspiration to a student in some particular line of work. All meetings are open to the entire school.

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