

# THE TECH

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PRICE THREE CENTS

## UNION ADOPTS NEW CHECKING SYSTEM

Checks to be Given to Each Man and Money to be Paid at Door

### POPULARITY CONTINUES

1200 Meals Served Daily—Paying Expenses—Offices Much in Demand

Successful beyond all expectations, the new Union has proved, in the time it has been running, that its first popularity was not due merely to novelty. Dining room and club room alike have been a benefit to a large number of men and are used to their full extent. The service in the dining room has improved wonderfully and the few faults which were found when it first opened are being remedied.

A new system has been adopted in regard to the service which will make it much simpler and more rapid. Instead of receiving pay when taking the order, waiters will give a check punched with the price of the food. When leaving the room, this amount is to be paid to the cashier in either lunch checks or money. There may be a little crowding at the door as a result of this system, but the two cashiers who will be there at noon will minimize this trouble and the waiters will be relieved of the necessity of taking checks and handing them in and having the food checked as they take it from the kitchen. Thus much time and trouble will be saved.

Although the food served at the present Union is much better than that which was served at the old, the large number served has made the preparation much more economical. While at the old Union there was a loss of two or three hundred dollars a year, the present one has paid expenses and up to date has even been able to make a small profit with the prices as low as they are. There have been about 150 men each morning and evening and 800 or 900 at noon. The lunch counter service, as was expected, has proved less popular than the waiter service, and is not patronized except between meal hours when there are no waiters. This is only a small part of the time, however, as there is service for lunch at the tables as early as 11.30 although it is not scheduled to begin till twelve.

With the new system of paying, the present cashier's desk will not be used  
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## COLLEGIANS ADDRESSED

Welcomed by Walker and Technology Clubs at Meeting

College men at the Institute were given a cordial reception to their new alma mater last Friday by the Walker and Technology Clubs at the rooms of the latter. Brief addresses by the presidents of the enter and arriving clubs, by Dean Burton and Olin Roberts 1888, were followed by refreshments and a social hour.

President Turner of the Walker Club as spokesman of the evening brought to his task a plentiful supply of humor and in his opening remarks referred to his own experience as a college man at Tech. James F. Norris, president of the Technology Club, then extended a hearty welcome not only to the Institute but to Boston as well. He spoke of the firm loyalty to alma mater which binds together Tech alumni and of the fine sense of comradeship at the Institute. Continuing, he urged the men to become acquainted with Boston and its surroundings. Time should be taken, perhaps a portion of a Sunday now and then, to visit the various points of literary and historical interest which cluster in and about the Hub.  
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## FALL HANDICAP ENTRIES YET OPEN

Books at Union and Field Contain Few Names at Present

### FRESHMAN ENTRIES

Last Year's Distance Men All Back on the Cinders New Men Out

Entries for the Fall Handicap which will take place at the Brookline field a week from next Saturday will close the first part of next week and the first track meet of the year should bring out a big bunch of new men; in fact the purpose of this meet consists mainly in bringing out the athletes of the entire class, giving them all a fair chance to win their class numerals.

The class insignia are awarded to the men finishing first, second and third in their respective events, the winner receiving in addition an M. I. T. A. A.

The handicaps are arranged by Coach Frank Kanaly, and are made up carefully. His knowledge of the ability of last year's men will influence him to compel the old stars who are entered to start scratch, and the freshmen have a chance to spring some startling surprises. M. G. Woodward, the manager of the 1912 tug-of-war team has entered in all the weight events, and numerous other freshmen have either entered or expressed their intention of entering some of the events. Up-to-date they have S. B. Walker, N. Herreshoff and A. Means in the sprints, but no men in the quarter or half mile. W. S. Davis is their only man in the mile and two-mile, but in the high hurdles they furnish the only entries to date. L. S. Hooper, B. Ruby and H. Greenleaf are the new men in this event, and according to Coach Kanaly, furnish likely material to develop into meet winners.

As yet no pole vaulters have developed, but W. D. Allen 1911 is hard at work and is clearing the bar at eleven feet.

The high jump brings out two more freshmen, L. S. Hooper and W. S. Davis, the weight events, M. G. Woodward and H. E. Kehbon.

Manager K. D. Fernstrom is making every effort to get a line on the men who will compose the track team next spring, and all men at the Institute, especially the new men, are urged to enter the approaching meet.

## COACH KANALY TALKS

Track Men Tell Past Experiences at Saturday's Dinner

Forty-three supporters of cross-country running gathered at the Union last Saturday night at the first dinner given by the Hare and Hounds Club. Coach Kanaly gave a very interesting talk on his career as a runner which started with the winning of a run from a Cambridge gymnasium, where he was training for a ten-mile bicycle race at Dedham. He told of his early races as an amateur, when he ran against the Grant brothers from Harvard and Penn., of his famous victory at the Pan American Exposition. He told of the manner in which he became a professional runner, and of his first race against men who make a business of distance running. He ended his talk in an appeal to the cross-country men to come out for regular practice, saying that the only way to beat Harvard on November 6 would be to become perfectly familiar with the course and train regularly.

F. H. Hunter 1902 and A. R. Hunter 1908, who got out the record squad of 63 men for a hare and hounds run in the fall of 1905 also spoke on how they became cross-country runners.

J. N. Stephenson 1909, chase captain  
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## INVESTIGATIONS OF BROKEN RAILS

Results of Thesis Work Likely to Become of Great Importance

### NEW DANGER FOUND

Impurity Formerly Thought to be Harmless is Found the Cause

An unexpected source of danger was found to exist in the presence of manganese sulphide in rails by R. W. G. Wint 1908 in his thesis on the study of the cause of broken rails. The investigations were conducted under the direction of Prof. Fay of chemical department.

Manufacturers have considered manganese sulphide harmless, but a thorough series of microscopic examinations has shown that in spite of excellent heat treatment nearly all crescent shaped fractures start out along the long thin streaks of manganese sulphide, from whence they extend into the steel itself. The relatively large amount of this impurity found in many of the rails is attributed to the undue haste of the manufacturer in not giving enough time after the addition of ferromanganese to allow the sulphide to come to the surface when the iron is in the molten state which it will do because of its much lower specific gravity.

The reason that the manganese sulphide is such a factor of danger arises from the fact that it does not become an integral part of the whole and, instead, isolates itself in long threads. This is because its melting point is lower by three hundred degrees than that at which the rolling of rails begins. This extends the sulphide in the direction of the rail with consequent danger to its life.

Mr. Wint, who is now an assistant in quantitative analysis, is still continuing his investigations with Prof. Fay both at the Institute and at the Watertown Arsenal. It is hoped that the thorough treatment of this will throw additional light on a question that will be of great moment to the greater part of the commercial world as well as an important factor in the problem of public safety.

## ELECTRICALS MEETING

Prominent Course VI Men Will Speak on Railroads

At their first meeting of the season at the Union next Thursday evening the members of the Electrical Engineering Society will listen to talks by A. R. Knipp 1909, K. S. May 1909, and Mr. Hathaway on the respective subjects of "Baltimore Railroad and Lighting Properties", "Block Signals on the Boston and Worcester Railroad", and "Quincy Point Power Station." President John Mills 1909 will call the meeting to order at 7.45.

All course VI men of 1909 and 1910 are urged to attend this meeting. A short but important business session will be held after the addresses of the evening and light refreshments will be served when the business has been transacted.

## COMPETITION BEGINS

Assistant Manager of the track and cross-country teams will be elected in February. Competition for this position is now open. All who wish to be candidates should leave their tabular views at the Cage by Thursday for Karl Fernstrom 1910, the present manager.

Men who send in their names should call daily for instructions. The candidates will be assigned duties at once and the assistant manager will be elected on the showing he makes this fall.

## NEW INNOVATION IN TUG-OF-WAR

Three Trials to Take the Place of the Single One Last Year

### FRESHMAN FOOTBALL

Relay Work Suspended Saturday But Both Teams Expected Out Today

An important change has been made this year in the rules for the tug-of-war on Field Day. Three chances are to be given to each team instead of one, one try to take place before the football game, one between the halves, after the relay race, and another if necessary after the game. This will avoid all chance of a repetition of the event as it happened last year when the class of 1910 was pulled four and a half feet, within six inches of the line, and then defeated the other class by pulling them steadily ten feet. At the time the members of the defeated team felt that they should have won the event. The present system will give each team plenty of chance to show what it is made of, and will leave no doubt as to the superiority of the one.

The freshmen still continue to send out a larger number of candidates for the event than the sophomores, although the latter class has been sending out more men than formerly. The freshmen who have been coming out regularly and upon whom manager Woodward depends mostly are: W. D. Blaisdell, L. B. Duke, P. W. Dabrymple, C. A. Duyser, J. W. Montgomery, G. S. Sawyer, C. S. Weber and H. L. Woehling.

### Football

Manager Gale, of the freshman team has announced a promising schedule for his team during the next few weeks. The first game is arranged with Hyde Park High, at Hyde Park, but it is uncertain whether it will be played. If the Hyde Park team fears the freshmen as much as Natick High and Revere High did the Sophs last Saturday, there will surely be no game.

The schedule follows: Wed., Oct. 14, Hyde Park at Hyde Park; Sat., Oct. 17, 1909 at the Field; We., Oct. 21, Mechanics Arts High at Field; Sat., Oct.

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## SOPH NOMINATIONS

Few Candidates for Some of the Class Offices

At 2 o'clock Friday, the 1911 nomination committee took charge of the following names, which will appear on the ballot in the coming year for class officers.

For president: L. G. Odell, W. C. Salisbury, B. Lawrence.

For vice-president: T. B. Parker, G. B. Curwin, N. DeForest, F. A. Wood.

For Secretary: H. L. Robinson, C. S. Anderson, P. D. White, N. DeForest, H. D. Williams, W. H. Hildebrand.

For treasurer: L. G. Glazier, S. B. Copeland.

For Institute Committee (2 to be chosen): C. H. Merrill, D. R. Stevens, W. J. Seligman, K. Barr, G. C. Kenney, S. P. Kimball.

For Athletic Association (5 to be chosen): G. A. Cowee, T. B. Parker, W. C. Salisbury, W. J. Seligman, P. D. White, J. H. Scoville, W. Hildebrand, O. Hutchins, E. D. Van Tassel.

For directors (2 to be chosen): L. C. Cooley, W. W. Warner, H. M. Davis.

For clerk: K. Greenleaf, D. R. Stevens.

Regarding the qualifications of the three candidates for president, their record since coming to Technology stands about as follows: Odell was manager of last year's football team, and played first base on the baseball team; Salisbury ran on the class relay team last  
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