

# THE TECH

VOL. XXXI. NO. 64

BOSTON, MASS., MONDAY, DECEMBER 11, 1911

PRICE TWO CENTS

## TWELVE ON BALLOT OF 1912 PORTFOLIO COM.

All Prominent in Activities—  
Course II Has Five  
Candidates.

Saturday afternoon the nominations for the Senior Portfolio Committee were closed and the names of twelve Seniors have been announced by the Nominating Committee as the ballot. The following men were nominated: Henry A. Babcock, Course 2; Kenneth Cartwright, 2; Randall Cremer, 2; Sidney Day, 4; Ralph N. Doble, 2; Gurdon I. Edgerton, 4; Archibald Eicher, 11; Charles L. Gabriel, 10; Henry Donald Kemp, 6; Richard H. Scanlon, 2; Frederick J. Shepard, Jr., 6; Richard P. Wallis, 1.

Many of the men have been prominent in the various activities of the Institute, and the voting will undoubtedly be close. Babcock was a member of the Junior Prom Committee last year. Kenneth Cartwright has been a member of the cross-country team for three years, ran on his class team and was statistician of Technique, 1912. Cremer was Faculty editor of Technique, 1912, and was junior vice-president. Day was assistant art editor of the annual. Doble has been a prominent member of the Show cast for several years. Edgerton drew many of the pictures in the class book. Eicher was captain of the football team for two years, class president in the Sophomore year, and athletic editor of Technique. Gabriel ran on the Sophomore year, and was assistant business manager of Technique, and Kemp was the Freshman president and Sophomore vice-president. Scanlon has been a member of the Mandolin Club for two years, and Shepard ran on the relay team for two years, and was a member of the Varsity track squad.

## EXTRA WORK THIS WEEK FOR ORCHESTRA

One Rehearsal Will Be Given  
in Huntington Hall—Trip  
to New York.

The Orchestra will work extra hard this next week in order to get into the best possible condition for the Winter Concert. In order to do this it will be necessary to have some additional rehearsals, at which every member must be present. These rehearsals will be held today, Wednesday and Thursday, from 4.15 to 6 o'clock. The committee has found it necessary to make the rule that anyone not attending these rehearsals cannot play at the Winter Concert. The music is difficult and the proper results cannot be obtained in any other manner. The Pop concert showed where many of the men were deficient and where improvement can be made.

One of these rehearsals will be held in Huntington Hall, and it will be necessary for the members of the Orchestra to watch the black board in the Union to see which one of them it is. Music stands must be brought as the use of chairs is very unsatisfactory. A seating plan for the Winter Concert will be posted in the Union (Continued to Page 2.)

## INTERCOLONIALS PLAY TIE GAME WITH B. A. A.

Fast Boston Team Could Not  
Get Advantage On  
Canadians.

As was expected, the B. A. A. and Intercolonial teams played a very close game at the Arena Saturday, the final score being a tie, each club having shot three goals. The game was exceptionally rough from the beginning and resembled a football game more than a hockey contest. Nearly every man was put out of the game for a period. Skilton was put out twice and Leslie three times. The players tripped and ran one another into the wall with such force that several of them were hurt and the game had to be stopped several times.

At first the B. A. A. team put in a little team work. They had the puck in their opponents' territory most of the time, but the game soon developed into individual playing. In this respect Skilton excelled all the others, but he used almost no team work. Small backed up Skilton in fine shape and was very clever in shooting. Foster, Winsor and Hornblower played the best for the Unicorn Club. This team was the most affected by the penalties, at one time there being but five of their players on the ice against a full Intercolonial team. All the goals were made in the first period. Time and time again the B. A. A. team rushed the puck into their opponents' territory but seemed unable to penetrate the Intercolonial defense. Both teams often tried long shots, but these counted for nothing on account of the excellent goal tenders. Canterbury stopped them exceptionally well.

The lineup:  
B. A. A. Intercolonials.  
J. W. Foster, r. w. . . . . r. w. Whitten  
Hornblower, c. . . . . c. Telford  
Hicks, r. . . . . r. Foote  
Leslie, l. w. . . . . l. w. Osgood  
N. H. Foster, p. . . . . p. Skilton  
Canterbury, g. . . . . g. Bray  
Referee, Townsend. Umpire, Hogan. Goals, Hornblower, Foster (2), Skilton, Telford, Small.

## HARVARD—5, TECH—5.

Tech Holds Crimson in Practice  
Game at Arena.

Special hockey practice, held in the Arena Saturday afternoon, consisted of a 20-minute scrimmage with the Harvard team, the score being 5 to 5 when the whistle blew. The Harvard seven, however, did not have its regular defense, and a Tech man played point for them.

Eichorn is laid up temporarily with a bad leg, and Stucklen didn't report, so Whittlesley played at point and McLeod at cover point. Both these men played a swift, brilliant game.

Sortwell was the best Harvard man, but Duncan was a close second. Smart played well in goal. The football men are not out very regular yet, and for this reason the team is not as good as it probably will be.

The side lines at the Gym have received a much needed repainting.

## SWIMMERS HAVE SUCCESSFUL MEET

Eliminations Afford Close Races  
—Probable Selection of  
Team This Week.

Saturday afternoon a dozen or more men reported for Swimming Team trials and furnished close and exciting races in the shorter distances. The times were fair and much better than those of last week. This was expected, for during the past week the candidates have practiced with more care and have spent more time in the tank attending to details. As in the former meet, the shorter dashes drew the most entrants, practically every one of the candidates competing in the fifty-yard dash. Two heats were necessary in this event, each furnishing close finishes, the winner being ahead by inches only. Macentepe and Mann led in these heats. In the twenty-five yard dash four entered and finished all in a bunch, Smith leading Mann in by the tips of his fingers. In the plunge for distance Smith passed McEwen by a safe margin. The hundred was the only distance not represented, thus showing the need of the team for fast sprinters in this distance. The two-twenty is another not well represented event, Smith alone having entered Saturday and swimming against time.

At the close of the eliminations Captain Leshar remarked that practise would be held three times a week at the Salvation Army Tank, beginning with today at 5 o'clock. In view of the fair showing made for a beginning he hoped that every candidate would start good, hard work this week. Every other day he himself will be at the tank to give individual coaching to the men at 5 o'clock. This fact presents a fine opportunity which should not be missed by the swimmers, as first selection of the team will probably be made at the end of the week.

It is to be thoroughly understood that the practise, beginning late for the benefit of the men who have late lectures, will not take a great deal of time, the candidate scarcely being in the water more than fifteen minutes at a practise. It is easily possible to attend and return home, that is, to one within walking distance, in an hour.

## POPULAR SPEAKER FOR T. C. A. THURSDAY

Will Discuss Relations of Engineer and Laborer in  
Industry.

This week Thursday the Christian Association will have Mr. Frederick H. Rindge, Jr., as the speaker of the weekly meeting held in the Union on Thursday next. His subject will be "The Human Element in Industry," a subject discussed last year at one of the Convocations that have been lacking thus far this term. But if we can not hear Convocation lectures as such, we may at least hear the important subjects discussed by men here under the auspices of the T. C. A.

Mr. Rindge is one of the secretaries for industrial service on the International (Continued to Page 2.)

## CIVILS SEE BRIDGE SHIFTED IN 35 SECONDS

Early Morning Trip to Natick  
Taken by Large Number of  
Fellows.

Early yesterday morning several Civils, some Freshmen, about ten Harvard men and a few others assembled in the Trinity Place Station for the trip to Natick. There they were enabled to see the remarkable engineering feat of replacing an old bridge with a new one without hindering traffic at all. It was entirely due to Mr. W. F. Steffens, '98, who is the Engineer of Structures on the Boston and Albany Railroad, that those interested were able to see this accomplished. All the fellows were at the station promptly at 5.30 o'clock, but the work train did not pull in till about 6.15 o'clock. In the meantime Mr. Steffens gave a short talk to the men about this type of work which is now being carried on by the railroad.

For the past year the Boston and Albany has been replacing all the old bridges between here and Albany with new ones. The old bridge is jacked up and placed on rollers; the new bridge is constructed on false work along side the old one. When everything is already to be carried out the new piece of construction is also put on rollers in direct line with the old bridge. The tracks are then taken up and by means of block and tackle the old bridge is rolled out of place and the new one slid in. In this way the minimum time that traffic would be held up is only two or three hours.

The work which our future civil engineers saw done was only a small piece, but was typical of the rest of the work such as the railroads of today are carrying out. The span was about twenty-five feet long over a road leading off Beacon street. The old bridge had been erected about 1877, and was of the steel beam type. The new one is of steel girders and a solid concrete floor, the girders being about two feet in width. Owing to the closeness of Beacon street the work had to be done in two sections. The section which was laid yesterday was the second.

As the train which carried the men to the work was late in starting they arrived just a few minutes before the shifting occurred. The tracks had already been removed and all was in readiness to move the new bridge in place. The actual moving all took place in the remarkable short time of thirty-five seconds, and no sooner had the new bridge been in place than (Continued to Page 3.)

## CALENDAR.

Monday, December 11th.  
Junior Prom Nominations Close.  
4.15—Glee Club Rehearsal—Union.  
5.00—T. C. A. Bible Class in the Union.  
9.00—Open Exercises—Public Speaking.  
7.40—Mandolin and Banjo Clubs—Dudley Street, East Loop.  
Tuesday, December 12th.  
1.30—T. C. A. Bible Class.  
4.10—C. E. Meeting—Prof. McKibbin—6 Lowell.  
Wednesday, December 13th.  
8.00—Mining Engineering Society Meeting—Union.

# WINTER CONCERT, SEATSALE, UNION 1 p. m.

# THE TECH

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MONDAY, DEC. 11, 1911

### IN CHARGE OF TUESDAY ISSUE.

EDITOR—Pastene, A. J., 1913.  
 Associates—Adams, B. E., 1915; Eisenberg, S., 1915; Smith, C. L., 1914.

During this week the members of the Freshman Class will be called upon to make the most important decision of their lifetime, namely, the choice of the course which they will take during the remainder of their stay at the Institute, and in most cases this course will have direct bearing on the work of the men during their later life. This question the men may have already decided, but they should not allow their decision to be biased, as an improper choice had better be changed than to be obliged to try and make one's self believe later on in his course that he likes when he really abhors it. We would advise the men to take in every one of the conferences possible, whether or not they have any idea of taking the courses, as a certain course which you had not considered previously might appeal particularly when put forward in its proper light by those who are able to point out the advantages and disadvantages of them.

Freshmen, do not be too hasty in this matter, as you may regret it afterward. Go and hear what the heads of the various courses have to say and then think the matter over seriously and imagine how you would like to be engaged in each particular sort of work, and try to imagine which would appeal to you the most and which would bore you the least.

We would advise the members of the Class of 1915 to read the address of Ex-President Noyes to the Class of 1912 on the subject. This address was published in "Concerning the Massachusetts Institute of Technology," and places forward the principal points which must be considered in choosing one's course. We regret our lack of space and consequent inability to publish the address in full. Copies can be found in the General Library in Rogers, and on the shelves in the Union.

We hope that every member of the Freshman Class will take this matter to heart and weigh every point carefully before he comes to any definite decision, and then we hope, for the good of the class as well as that of the Institute, that he will come to the right decision.

## DO WE WANT SIGMA XI?

### Formation of Honorary Society Up to Undergraduates.

THE TECH today publishes a ballot and will continue to publish one for the rest of the week. It is desired that every man in the Institute indicate on one of them his opinion in the matter of the formation of an honorary scholastic society.

To briefly review the discussion on the matter to date: It was proposed some two years ago to establish here, either an independent honorary society or a branch of one already founded. Agitation looking toward that end has been aroused this year, and the Institute Committee has already considered it. It is intended that the society or fraternity (whichever it may be designated), shall be more or less of a scientific or engineering nature, and might be established as a chapter of Sigma Xi or Tau Beta Pi.

There have already been heard numerous comments on this question, and the sentiment cannot be said to incline vigorously in the favor of the society. We therefore publish this ballot in order to determine what the student body thinks, for if the sentiment should be opposed it would hardly be worth while to start a chapter. It is largely up to the Seniors to make the final decision, but the opinion of all men is desired. Not only do we request that you will fill out the ballot (which is published at the expense of the advertising space), but also we desire to hear from men that have very decided opinions, substantiated by good reasons, especially upperclassmen, who are better acquainted with the situation.

### POPULAR SPEAKER.

(Continued from Page 1.)

tional Committee of the Y. M. C. A., and has recently been visiting many of the Massachusetts and Rhode Island colleges, where his first talks have been so popular that he has spoken more often than was planned everywhere, and at Amherst this "more often" grew to sixteen talks, at regular Christian Association meetings and before various classes and societies of the college, as he has also done at Williams. But here it seems possible to have him speak but once, and for that one talk we should surely greet him with a big crowd in the Union Thursday. Every one who heard Dr. Murlin ought to come this week, and moreover bring some one else as well. Mr. Rindge will have a word that is of importance to every young engineer, because at some time every one of us will have to consider the relations between an engineer and laborers working under him.

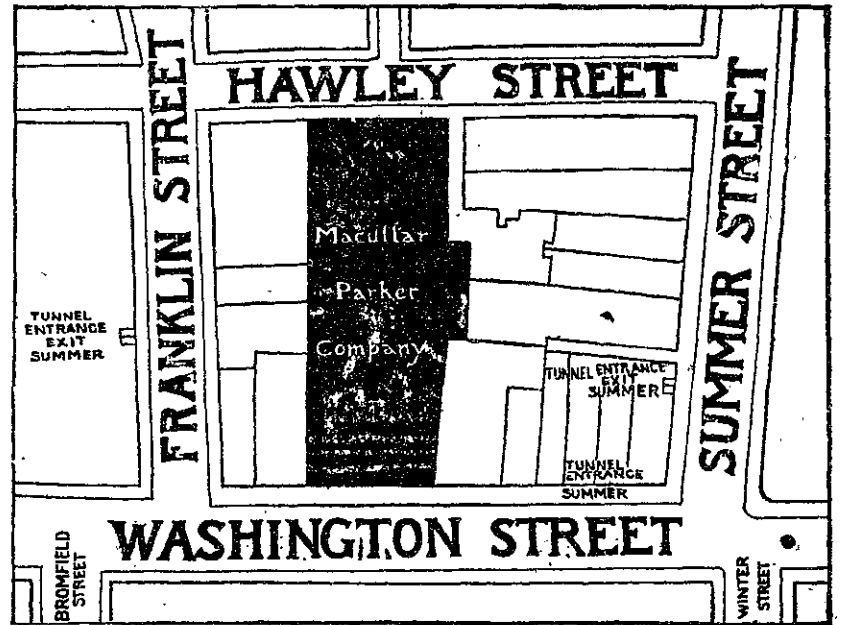
### ORCHESTRA.

(Continued from Page 1.)

next Wednesday. A week from Thursday there will be a concert at Newton. This is the first concert at which the Orchestra will play independently, and these two extra rehearsals will prepare for that also. This concert is very important because the remuneration received for it will place the Orchestra on a firm financial basis. During the mid-year the Orchestra expects to go to New York for concert work. Joint concerts will be held with Tufts during the coming year and one large one is expected to be given jointly at Jordan Hall.

The annual catalogue of Worcester Polytechnic Institute, which is now going through the press, will show a registration of 525 students, which breaks all previous records. The enrollment is divided between eight graduate students, 79 Seniors, 117 Juniors, 126 Sophomores and 195 Freshmen.

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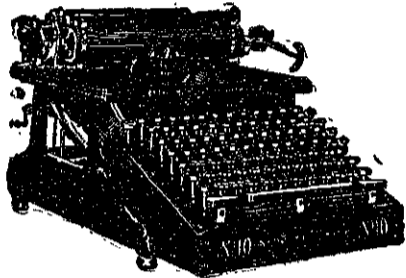
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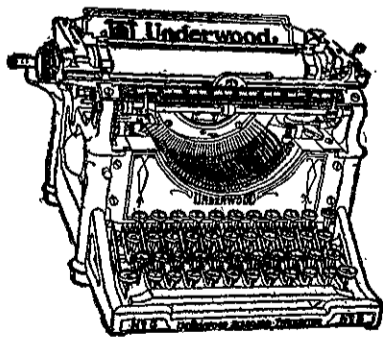
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**LECTURE ON HEREDITY.**

Second of Lowell Inst. Course—  
Two More Coming.

Last night the second of a course of four Lowell Institute lectures on "The Facts and Theories of Inheritance," entitled "Selection. Law of Regression. Pure Lines," was delivered in Huntington Hall by Dr. Johannsen. Dr. Johannsen, who is a Professor in the University of Copenhagen, has done a great deal of research work along the lines of the subject upon which he spoke last night, and his speech was therefore very interesting.

The next lecture upon heredity will be delivered at 8 o'clock on Wednesday evening, December 13th, the title being "The Unit Factors. Sex," and the last lecture of the course will be given on Saturday evening, December 16th, on "New Bio-types."

Tickets may still be had on application at office (or by mail of the Curator) for Professor Sabine's, Dr. Rosenau's and Dr. Johannsen's lectures.

**CIVIL TRIP.**

(Continued from Page 1.)

the construction gangs were at work replacing the rails and spiking them down.

The bridge, when moved, had slied only two inches at one end, and this was easily remedied by jacking it into place. After the bed plates were fastened to the abutments the bridge was jacked up, the rollers and false work removed, and then dropped into position. The final ballasting is then put in, the New York Central requiring six inches of this material between the concrete and the bottom of the ties.

In the work yesterday no trains were interrupted, for as soon as the last train passed, about 7 o'clock, everything was made ready for the shifting. The tracks were all in readiness for the next train to pass less than an hour and a half later. Many of the fellows went back on this train, which crossed over the new bridge at 8.20. Several members of the party obtained excellent snapshots of the bridge in various stages of the operation. A large crowd of over a hundred and thirty fellows, including Professor Moore and several superintendents, made the trip. All who went are indebted to Mr. Steffens, a former student in Course 1, and engineer of the work, whose efforts obtained the permit to allow the students to go up on the work train.

**EDISON ON TECH.**

There has appeared an interview with Thomas Edison in which he mentions the Institute. He was asked his opinion of "college" education and he was in general opposed to it. He said "Colleges are better than they once were, but they aren't practical yet. They are all right for lawyers, but this country needs engineers, not lawyers. The Massachusetts Institute of Technology, however, is all right. They are all good boys there."

**NO HARE AND HOUNDS.**

Trip to Melrose Postponed—  
Men Work Inside.

As the weather was too severe Saturday for outdoor running the track practice was held in the Gym, and the Hare and Hounds' run at Melrose was postponed. Many of the relay candidates showed up and some fast work was done on the track. Prospects for a fast team this year are very good, as there will undoubtedly be lots of competition for the short distance team. Practice today will be held outside.

The hockey team is getting pretty well banged up. Somebody has been hurt in almost every game.



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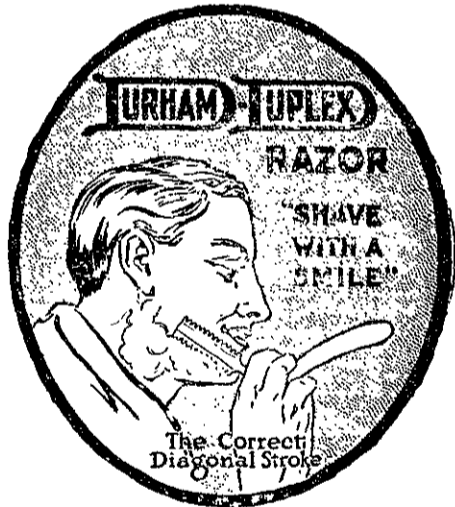
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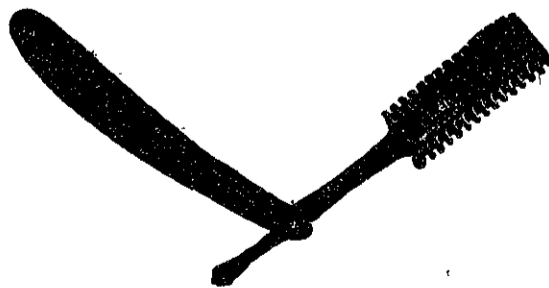
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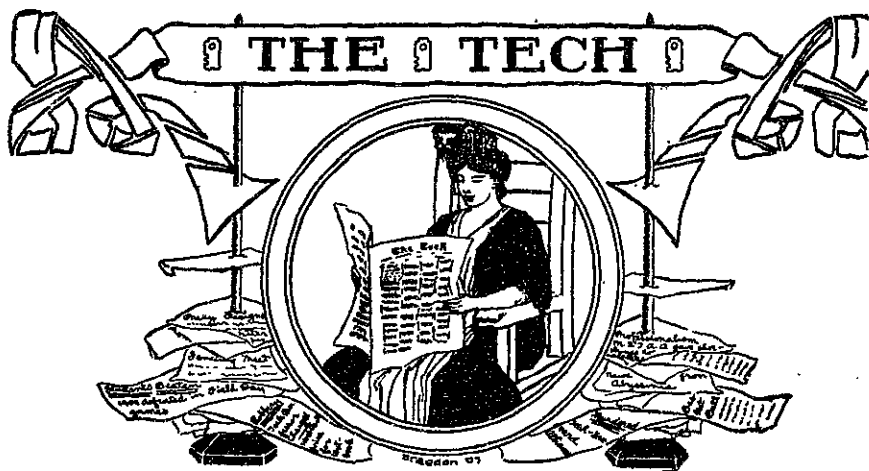
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