

# THE TECH

VOL. XXXI. NO. 71

BOSTON, MASS., TUESDAY, DECEMBER 19, 1911

PRICE TWO CENTS

## SWIMMING TEAM NOW DISBANDED

**Non-Support and Little Interest Necessitate Cancelling Schedule.**

At a meeting of the Swimming Team, held recently, it was decided that further continuance of the new sport was inexpedient on account of the noticeable lack of support and interest. This fact was undoubtedly due to the inaccessibility of the practice tank, and the lack of sufficient time to pay the necessary attention. At first the prospects were most bright, for out of the many who reported there were a few who showed quality that assured their position on the squad. These men, Captain R. A. Leshner, C. A. Smith, E. W. Mann and G. H. Warfield deserve the highest credit for their faithfulness to practice and interest in the success of the team. They were, however, not sufficiently supported by other or new candidates to form a worthy team. It thus being impossible to represent the sport by a team of a desired number, it was thought best to disband and cancel the best of schedules.

This schedule, arranged by Manager H. A. Babcock, included meets with three colleges, Brown, Amherst and Williams, and lesser contests with preparatory schools. It is unfortunate that such an excellent one should have to be cancelled in the beginning since it formed a most commendable start in the team's first year, and would undoubtedly have led to a larger and more complete college schedule the following year.

## MODEL SHIP ON CHARLES.

**A Small Vessel for Special Tests Proves Satisfactory.**

Some time ago Professor C. H. Peabody constructed a model ship, one-fifth the size of the U. S. Revenue Cutter "Manning," which is used for experimental purposes, making its runs along the Cambridge side of the Charles River. The name of this miniature vessel is "The Froude," and to propel it a gasoline electric mechanism is used which runs a motor connected to the propeller shaft. Many means are used to reduce friction and eliminate errors, while a system of checks and registers provide a method of determining just where the error is and the nature of it. The boat is fitted with water tanks to keep the draught right, alignment sights, and marks to show the change in the hull whenever it occurs.

The first year that this floating laboratory was in service experiments were carried on to determine what the boat was capable of doing and what was beyond it, also the effect of the wake and of the power tending to hold the vessel back. Before the use of this little boat all experiments had to be carried on with large sized ones, and consequently it was impossible (Continued on Page 3, Col. 2.)

## DAM BUILDER'S RAMBLES.

A smcke talk is this evening's entertainment at the Technology Club. Howard L. Coburn, '98, familiar to upperclassmen, will talk on "The Rambles of a Dam Builder." He will have illustrations from his collection of photographs of hydraulic construction work in all parts of the country. Members may invite guests.

## EXPERIENCED EXPERT TALKS TO M. E. SOCIETY

**Mr. B. R. T. Collins on Power Plant Efficiency and Boilers.**

Next Thursday, December 21, the Mechanical Engineering Society will gather in 11 B, at 4 o'clock, to hear a talk by Mr. B. R. T. Collins, who is a well-known Mechanical Engineering and Power Plant Economist. Mr. Collins is the mechanical engineer of the Commonwealth Edison Company of Chicago, and so is well versed in his line of work. The subject of his talk before the society is "Power Plant Efficiency." Special attention will be paid to power plant economy and specifications for power plants and boiler rooms. Mr. Collins has had 18 years of experience, having spent a good deal of his time in Texas and Southern California. His specialty is oil-burning furnaces and oil burners, although he is not going to talk on that subject before the Mechanicals. At the present time Mr. Collins is Stone & Webster's oil expert.

Specification sheets have been drawn up by experts for low pressure turbines, pumps, water return systems, turbine manifolds and four other appliances. A set of these specifications will be given to every man present at the meeting, and they are of inestimable value, especially to Seniors.

## FUNGIOUS GROWTHS.

**M. E. Society Will Hear Talk On Its Affect on Timber.**

This is the Mechanicals' busy week, what with two society meetings and one of the A. S. M. E. This afternoon the first of these meetings occurs in 11 B, at 4.10, with F. J. Hoxie, '92, as the speaker. His topic is "Strength of Timber Affected by Fungii."

Mr. Hoxie was secured by the Faculty as the speaker, and the conducting of the meeting left to the M. E. Society, as such a topic falls more particularly to their department. The talk will be of interest, however, to men in other courses, and they are invited to attend.

## MORE BOOKS IN UNION.

**Annals of I. C. A. A. A. Put in Technique Case.**

A letter has been received from Major Briggs regarding the placing of the year books of the I. C. A. A. A. in the large room of the Union. These books contain many illustrations of the various I. C. A. A. A. races and meets, and also the times and distances made by the competitors.

The set contains three books and covers the years from 1908 to 1911, inclusive. P. W. Dalrymple, captain of the track team, has the unique distinction of being the first Tech man to have his picture in the annual. In the spring meet, which was held in the Harvard Stadium last June, he tied for first place in the high jump, and was later picked as an alternative for the position of high jumper on the All-American track team.

Anybody is entitled to take these books to read by applying at the Cage for the key to the bookcase, but they are not to be taken from the room.

## BIG HOCKEY MASS MEETING TOMORROW

**Every Man in the Institute Wanted in Huntington Hall at 1 P. M.**

Tomorrow noon there will be held a mass meeting in Huntington Hall in the interest of the hockey team. The next day, Thursday, the team is to play Harvard in the Arena, and hopes to defeat them. They are in fine shape and if they get the support of the students there will be no doubt of the result.

The mass meeting tomorrow is for the purpose of explaining to the student body the benefits to the team and the Athletic Association that a crowd at the Arena will bring. At present the team is not getting all that should come to them at the practice times, and if the fellows make a showing Thursday night the Arena management will "sit up and take notice," and perhaps the effect will be quite advantageous to the team.

Since the team has had the help of a coach they have improved very rapidly, and the weak defense has been made into a strong and well-arranged guard. Ranney is a good man at goal, and the Crimson lads will have to shoot some to get by him. Eichorn, although slow on the skates, is a strong and heavy player, and it will take another football player to gain much ground on him. Doc Sloan can cover the ground pretty fast and makes a good center.

If the team can get the co-operation of the students they will start the season with a victory, and that is what all the students want.

## PROF. SABINE'S LECTURE

**Interesting — Experiments Mean Much to Science.**

One of the two remaining lectures on Architectural Acoustics was given last evening in Huntington Hall and was, as the several others have been, of utmost interest to all in the least associated with any physical problems of the present day.

Professor Sabine's subject for this lecture was "Inheritance," and his consideration took up some of the practical complications which arise in considering the various reflections from the walls and objects of a room and their relation to interference of sound, causing the so-called deaf spots and intensities which are often found in auditoriums. In describing his method of procedure for determining these differences in sound intensity he explained a very interesting experiment in which the telephone is used to convey the sound of a photographic recorder in a most ingenious way. By the means which was described minutely it was shown that the exact spots of greater or less intensity can be determined and plotted on a diagram which becomes of very practical use from various points of view.

These experiments of Professor Sabine are of the utmost value to science and will, when completed, mean a great advance in the sound qualities of the newly constructed auditoriums where they are applied.

## CREMER CHAIRMAN.

The Senior Portfolio Committee yesterday met and elected Randall Cremer as their Chairman for the publication.

## CLOSE DIVISION OF OPINION ON SOCIETY

**Accepted Vote 49 to 43 in Favor But Real Results Are Opposite in Tenor.**

5.85 per cent. of the Institute students voted on the Sigma Xi question. That is, 93 votes were cast in the balloting that ended at 1 P. M. Saturday. However, beside these there were eight other votes left in the box which had to be discarded, either because they were not made out on the proper blank, or because they came in late. It was unfortunate that it was necessary to throw these out, as they would have turned the scale in the other way.

Of these 93 votes, 49 were in favor and 44 were opposed to the formation of the Honorary Scholastic Society. Had all the votes been counted, irrespective of the time limit, the result would have stood 51 to 50 opposed to its formation. It may thus be seen that the vote as expressed in the table below is far from decisive.

The following is the tabulated result:

	Yes.	No.	Total.
Alumni .....	0	1	1
Grad Stud.....	0	1	1
1912 .....	11	8	19
1913 .....	15	16	31
1914 .....	17	8	25
1915 .....	6	10	16
Totals .....	49	44	93

(Continued on Page 3, Col. 2.)

## GAME WITH REVERE.

The Freshman basketball team will open its season with a game with Revere High on Wednesday night. Manager Scully had the opportunity of getting a game with Revere High sooner than he expected and took advantage of it. The question as to who will take the trip that night is not decided as the captain will not be elected till next Wednesday, at practice. He will then have the power to pick out a team, and all who want to make the team will have to show up for practice steadily. The game with Revere is in the nature of a practice one, but will give every man a chance to show what they are worth.

## CAMBRIDGE SITE.

It is hoped that the Cambridge City Council will act finally this evening on the Highway Committee's report relative to the closing of Amherst street. The Institute is required by this report to give \$10,000 for the continuation of Ames street for heavy traffic and some land, and this would be a satisfactory agreement. The committee made its report last Tuesday, but the matter did not come up for discussion, but this evening will probably see the question decided.

## CALENDAR.

**Tuesday, December 19th.**  
 4.10—M. E. Society—Room 11, Eng. B.  
 5.00—Track Practice.  
 5.00—Lowell Lecture on Milk—Huntington Hall.  
 8.00—C. E. Society—Union.  
 8.00—1914 Basketball vs. Allen School.  
**Wednesday, December 20th.**  
 A. S. M. E. Meeting—M. E. Society to Attend—Chipman Hall.  
 6.00—Hockey Practice—Arena.

# THE TECH

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TUESDAY, DEC. 19, 1911

IN CHARGE OF WEDNESDAY ISSUE.

EDITOR—Barratt, R. F., 1914.  
 Associates—Goodell, Jr., F. B., 1915;  
 Taylor, S. H., 1914.

That the interest in the voting contest on the question of the establishment of Sigma Xi at the Institute was very small, as is shown by the fact that only 5.85 per cent. of the student body had interest enough to cast a ballot. A summary of the votes cast show that the Seniors, the ones who should be the most interested, cast fewer ballots than any class except the Freshmen. One ballot only was cast from the body of Graduate Students, and that was recorded against the proposition. The only Alumni who took the courage to cast a ballot was also against the movement.

We wish to point out that one out of every seventeen students in the Institute is a "Live One," while the remainder are catalogued under our new head of "THEORETICALLY DEAD." We feel that just about this number are alive. The results seem to be very unsatisfactory, in so far as many men who profess to be very interested in the matter neglected to vote.

Thursday evening of this week Technology will line up against Harvard at the Arena, and everyone at the Institute is needed there to help the team with their cheers. This is the first college game of the year and will, no doubt, prove a good one, as the teams are well matched. Someone will be there to lead the cheers and a special section will be reserved for Technology men. Seats will be on sale at the Cage for this section, and all who intend to go are requested to buy them there, as the team will get a percentage on these. Everyone turn out Thursday evening and show the team that you are back of them. Every added voice enhances the possibility of scoring.

### PASTEURIZATION TALK.

Milton J. Rosenau, who has been giving the lectures on Milk at the Lowell Institute courses, will give another lecture this afternoon at 5 o'clock in Huntington Hall. This is the fifth one of the series, and the subject will be "Pasteurization." The previous lectures have been well attended owing to their interest as well as their technical qualities. Mr. Rosenau ought to be an authority on this subject as he is Professor of Preventative Medicine and Hygiene in the Harvard Medical School.

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## LAWYER TO PLEA FOR "CONSISTENCY"

Mr. Elbridge R. Anderson Will Speak at the T. C. A. Meeting.

The speaker Thursday noon in the Union this week will be a business man, an everyday State street lawyer, who has made a success in his profession. The T. C. A. wants a big crowd to welcome Mr. Elbridge R. Anderson and hear what he has to say about "Consistency." He explains that one can hardly expect anything strictly religious from a State street lawyer, and his subject is one that he should make convincing, because his career has been what the word implies. The T. C. A. wants just such a subject, and never does welcome a theological discussion at the meetings.

Mr. Anderson has been a practicing lawyer here since 1885, and has been identified with the work that accomplished the establishment of a comprehensive system of subways for the city of Boston, his particular portion of the matter being to procure the repeal of the Riverbank Subway Act and the substitution of the Boylston Subway, which is generally believed will be for the best interests of the community, and which became a certainty when the Boston Elevated signed the leases.

### COMMUNICATION.

(We invite communications from all men in the Institute on important subjects. We take no responsibility for their sentiments and do not agree to print any that may come in, whether they are signed or not.)

To the Editor of THE TECH:

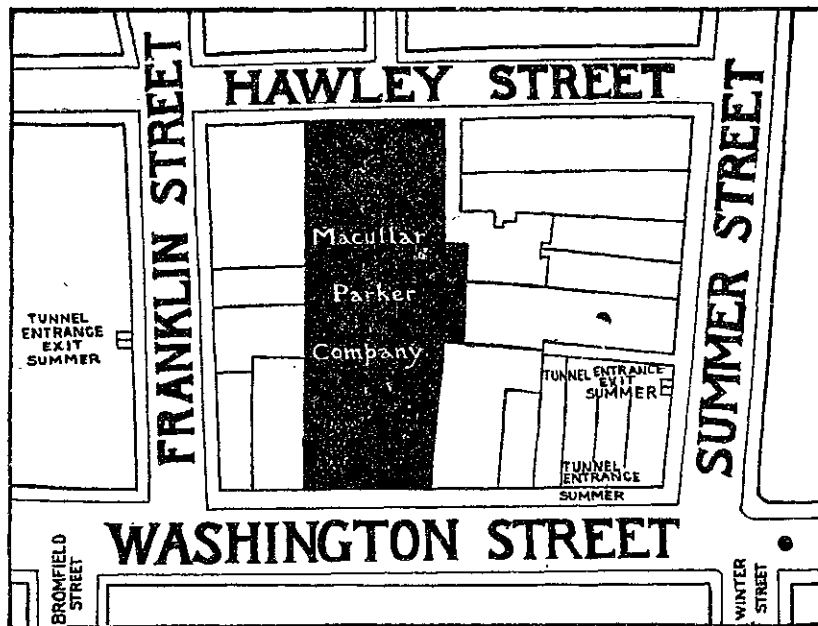
If space permits, will you kindly allow me to defend the "Theoretically Dead" ones? These quoted words, according to Saturday's issue of THE TECH, includes all M. I. T. students who did not cast their vote relative to the formation of an Honorary Scholastic Fraternity. I believe that this is an insufficient basis upon which to class US. The question was and is one of too much weight to be hastily decided upon when the majority of votes that are cast is to represent the sentiment of the entire student body. There are too many views to be taken and fine points to be considered, and these absolutely void of prejudice and personal feelings before a proper summation should be made. Personally I should advise extension of time to allow more publication of views and arguments, to make the published opinion less one-sided and give these unfamiliar with the subject more ground upon which to form their own decision. Otherwise I fear the "Theoretically Dead" ones will outnumber the "Live Men," of which condition our Alma Mater is far more worthy. Many of these who did not cast their vote will be found not dead, but undecided because of slower deliberation, and of the two it seems that their vote would be more representative of the students' sentiment. "Justice."

### EDITOR'S NOTE.

In regard to the above communication we make the following reply: First, the original mention of this society was opened some weeks ago, and it appears as if the thinkers should have begun their discussion then. Second, we believe a week from the inauguration of the balloting should be enough to make a final decision, and at least some of the thinkers have been able to decide. Third, to run the ballot more than a week would have palled on the men's minds.

Apart from the publication of further arguments, the thinkers, had they taken advantage of our request earlier, would have had ample space for discussion. As it is we have not yet closed our communication column to this question, and will be glad of further arguments.

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## NEW SUMMER SCHOOL DESCRIBED TONIGHT

Every Sophomore in Courses I and XI Expected—Freshmen Invited.

All who do not know about the new Engineering School at East Machias, Maine, are invited by the Civils to the Union tonight. Every Sophomore, Junior and Senior in either the Civil or Sanitary Engineering Courses is expected to be present, and all Freshmen who are interested in these Courses ought not to miss this sole opportunity to learn of the new school.

Professor Spofford intends to have seven speeches between 8 o'clock and refreshment time, each speech to be as interesting and concise as possible. Dean Burton, Professor Spofford and Professor Robbins will represent the Faculty's view of the new plans. Four prominent graduates are going to tell the society of what they have found of interest while working for the establishment of the new school. These men are Leonard Metcalf, '92, of the firm of Metcalf & Eddy; Frederick H. Fay, '93, Deputy Commissioner of Public Works in Boston; Albert Bemis, '93, former president of the Alumni Association, and Walter H. Kilham, '89, of Kilham & Hopkins, the architects who designed the camp buildings.

Unlimited refreshments, as well as unlimited speakers, are sure to be on hand when the Union fills tonight with Civils and with smoke.

## RESULTS OF BALLOTING.

(Continued from Page 1.)

It is to be observed that the only graduate student and alumnus who voted were both opposed. Among the classes the table shows significant results, since the Seniors, who were supposed to be the most interested, cast the fewest votes. Another thing to be borne in mind is that the men in favor were more likely to register their decisions, since they were by far the most interested in seeing the thing carried to an end. On the contrary, the Noes were less inclined to care about the result, since it is not a question about an established thing.

A few other items are: 52.7 per cent. were in favor, and 47.3 per cent. opposed. Considering the other votes, which would be counted had the rule in regard to time limit been less binding, the question has a different aspect, and it would be approximately 50-1-2 to 49-1-2. In any event the results are not conclusive, and if finally put up to the Institute as a whole, or only to one class, will result in a close race.

## EXPERIMENT ON FROUDE.

(Continued from Page 1.)

to determine whether the results were accurate or not. The tests of the last season brought out the fact that one well constructed propeller will do as much work as another, settling the dispute over the pitch necessary in a propeller to give the greatest efficiency. It was also demonstrated that if the propeller is moved a few feet astern the efficiency is increased.

A chronograph developed by H. A. Everett records the push of the propellers and the time in notches for every half-second. It is due to the late Dr. Charles G. Weld, an enthusiastic yachtsman, that the idea was carried out, and from the benefits received it should be kept going.

## BIBLE CLASS MEETING.

This noon, at 1.30, the T. C. A. Bible class will hold their second discussion on Christ's attitude toward the criminal; the woman taken in adultery. This is the same topic that was discussed yesterday afternoon, and men who could not find time to attend the first meeting are invited to attend the one today.

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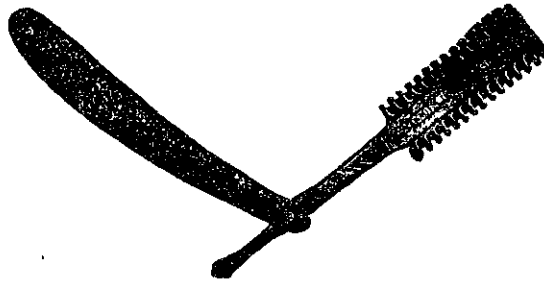
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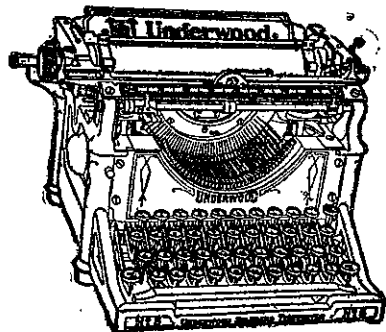
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**FACULTY NOTICE.**

December 15, 1911.  
The exercises at the Institute will be suspended from December 25th to December 30, inclusive.

By vote of the Faculty instructors are requested to send to the Dean the names of all students who are absent from exercises on Saturday, December 23rd, and on Monday, January 1st.  
A. L. MERRILL, Secretary.

WANTED—Second-hand Franklin & Esty, Vol. II. Apply at THE TECH any noon.

**PORTFOLIO ELECTION.**

The results of the Senior Portfolio election, the ballots for which were in Saturday, are as follows:

Cremer	72
Eicher	62
Shepard	47
Babcock	40
Wallis	39
Doble	36
Kemp	32
Cartwright	32
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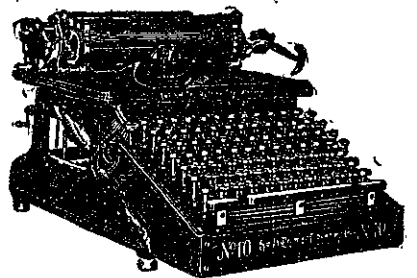


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