

THE TECH

VOL. XXXI. NO. 76

BOSTON, MASS., MONDAY, JANUARY 1, 1912

PRICE TWO CENTS

COSMOPOLITAN CLUB DISCUSS PLANS

**"Joint Night" Entertainment in
March—"American Night"
February 10.**

At the Cosmopolitan Club meeting, Thursday, December 21, the members of the club discussed plans for "Joint Night," which is to be an entertainment given by all the foreign members of the club in connection with the Washington Memorial to be celebrated all over the country.

A few words may be necessary in order to explain just what this Washington Memorial is. There is needed in Washington, our national capital, a building which shall provide facilities for the holding of congresses and conventions, both national and international. Having such assembly halls we could invite to America many large gatherings now held in the capitals of Europe. This building would also provide accommodations for many societies devoted to the advancement of mankind, and the basis of this movement is a patriotic one. The structure which is to embody this idea is to be known as the George Washington Memorial.

The "Joint Night" entertainment is to be held in connection with this memorial and is given in order to put the club on a financial basis, and to make the outsiders more interested in the widespread movement. Mr. George M. Hervey, who was with the club Latin-America night, is much interested in this joint entertainment. This movement is to show people that the coming generation is interested in the honoring of George Washington. This entertainment is to come about March and the club is already beginning preparations for this date.

The club is also planning to have an "American Night," which will be the next of the series of entertainments. This is to come off on February 10, at which time an informal dance will be held.

ANNUAL ALUMNI DINNER

**Wednesday at Hotel Somerset—
Discuss Our Prospects.**

Wednesday evening is the Alumni Association's big night for this year, since on that evening the annual banquet will be held in the Hotel Somerset at 7 o'clock. The keynote of this year's dinner will be the future development of the new Technology. Not only this, but also the results of the recent election of three members to the Corporation by the Alumni will be announced at the dinner, so a large number are expected.

The speakers are President MacLaurin, E. Dana Durand, of Washington, Director of the Census; C. E. A. Winslow, '98, who left the Institute last year to go to the College of the City of New York, and James W. Rollins, '78, President-elect of the Alumni Association. Governor Eugene N. Ross of Massachusetts, and Gen. Wm. A. Bixby, '68, Chief of Engineers of the U. S. Army, have also been invited to speak.

Too bad there wasn't enough interest in swimming to keep the team going. They had a fine schedule.

TECHNOLOGY PRAISED BY THREE GREAT MEN

**Edison and Others Give Views
Regarding Technical
Schools.**

Much has been printed recently in the newspapers regarding Technology, and it will, no doubt, be interesting to read extracts of the best of these in one story.

In a late interview which was set forth at length in the Boston Sunday Post, Thomas A. Edison said: "The salvation of America lies in the Massachusetts Institute of Technology." He went on to say that what this country needs more than anything else at the present time is more schools that shall be modelled closely on Technology, for the future of America demands technical education for its citizens. "There is no question but that the M. I. T. is the best technical school in the country," he said, speaking directly and from experience. "I have found that the graduates of Tech have a better, more practical and more usable knowledge as a class than the graduates of any other school in the country." "We want our schools and colleges to turn out the men the country demands. I like the Institute because it is doing that, meeting the needs of America. It isn't perfect, but it does come nearer than anything else in giving the country what the country needs, and giving American young men a really utilitarian education—a usable training." This is testimony from a man who knows how men should be trained for technical work, for he has been employing young men for more than thirty years.

A gentleman who at the moment knows more of the technical schools of the whole world than any other one, Rev. George Bryce of Winnipeg, said in a recent interview in Boston: "There is no polytechnical school in the world that is ahead of it." Dr. Bryce is a member of the Royal Commission created in Canada two years ago for the study of the educational needs of the country. In its work the commission has visited every technical school in Europe and America. His opinion, therefore, should be the best in the world. At the end of the two years the commission visited Boston when they had become expert in judging schools, and while here gave the opinion quoted: "It astonishes us," said another of the commission, "to

(Continued to Page 2.)

DR. FAY AT ANNAPOLIS.

**Delivered Lecture on "Detection
of Failures in Castings."**

Last Wednesday morning Professor Henry Fay delivered a lecture on "The Detection and Analysis of Failures in Castings and Forgings by Photomicrography" at the U. S. Naval Academy at Annapolis, Md. The lecture was one of a course that was inaugurated last year and proved so valuable to the school of marine engineering that they were resumed this year.

Professor Fay has recently done some remarkable work for the Watertown Arsenal and other parties in the detection and prevention of trouble in heavy shaft and gun forgings and is looked on as an expert in that line.

ANNUAL PLANT TEST TO BE HELD THIS WEEK

**Seniors Will Don Their Overalls
and Run the Institute for
a Few Days.**

The annual test on the power and electrical plant at the Institute will be carried on this week, beginning tomorrow morning at 8 A. M., and lasting until Saturday morning at 8 A. M. The members of the Senior class in the Mechanical, Electrical, Naval Architectural and Marine Engineering Courses will perform the test, working on eight hour shifts during the entire ninety-six hours. The shifts will be from 8 A. M. until 4 P. M., 4 P. M. until 12 midnight, and 12 midnight until 8 A. M.

Each man will be assigned to a different station and will perform the duties accruing to that post. The readings taken will be used to calculate the efficiency of the plant as well as the fuel consumption and the amount of energy lost in various forms through the test.

Several of the stations will be the weighing of the coal and ash, taking of the feed water and of the inside air, reading boiler and vacuum pressures, taking samples of the chimney and flue gas and analyzing of the same. On the various engine tests indicator cards will be taken at frequent intervals, condenser water will be weighed and loss calculated. On the electrical tests the readings will be confined to the usual Ammeter, Voltmeter and counter readings.

It is very important and will be made compulsory that all men report at their posts at least fifteen minutes before the time of their shift. This rule will apply to all except those who are numbered 6-14 on the Bulletin Board in Engineering A, who will report at the Lowell Laboratory at 8.30 A. M. on the day of their shift.

Data for computing the test will be given out Tuesday or Wednesday, January 9 or 10, in Room 10, Engineering A.

MEETING OF MINERS IN UNION WEDNESDAY

**Dr. Shimer to Give Lecture on
"Geology and Scenery of
the Rhine."**

On Wednesday evening the Mining Society will hold a meeting in the Union, and Professor Hervey W. Shimer, Assistant Professor of Paleontology at the Institute, will give a lecture on "The Geology and Scenery of the Rhine."

Dr. Shimer was at one time an assistant in Paleontology at Columbia, and lecturer on Historic Geology and Physiography at the Yale Summer School. He was also an instructor in Stratigraphic Geology at the Institute. He has traveled through Europe several times, carrying on his geological work. He is considered one of the world's greatest of the younger geologists.

The lecture will be illustrated by a wonderful and magnificent series of slides, giving striking views of the Rhine, which is perhaps the most beautiful river in the world, and surely none of the members can afford to lose this entertainment.

ARTHUR D. LITTLE GIVEN HIGH OFFICE

**Elected President of American
Chemists at Meeting Last
Week.**

Arthur D. Little, '85, who was a special student in chemistry and chemical engineering, was, last week, elected president of the American Chemical Society at a meeting held in Washington.

Mr. Little has been quite prominent in the chemical world ever since his graduation and has held various offices in the society before. A concise biography of him was published by the Alumni Association on a ballot sheet issued in November, which was as follows:

Chemist and Superintendent, Sulphite Fiber Mill, Richmond Paper Co., 1884-1885; engaged in starting sulphite plants in North Carolina and Wisconsin, 1885-86; State Assayer, 1887-95; in private practice in Boston as chemist and engineer, 1887-1910; now President Chemical Products Co., Standard Alcohol Co., Director Fort Hill Chemical Co., President and Manager Arthur D. Little, Inc., chemists and engineers for many large public service and manufacturing corporations.

Author (with R. B. Griffin) "Chemistry of Paper Making."

Director American Chemical Society, past chairman Division of Industrial Chemists and Chemical Engineers, member Executive Committee Eighth International Congress Applied Chemistry, President Section of Cellulose, Starch, Paper; member American Gas Institute; Society of Chemical Industry; American Institute Chemical Engineers, etc., Fellow American Association for Advancement of Science.

Chairman Publication Committee of the Technology Review for the first few years of its existence. Initiator of recent Congress of Technology.

UNION IMPROVEMENTS.

The appearance of the Union Dining Room has been immensely improved by the painting of the ceiling with a new coat of clean white. This gives the room a much lighter appearance and makes it look less gloomy than it previously did, and saves to a large extent artificially lighting the room during the daytime, which has been the case up to the present time. The floor has received a fresh coat of oil and the entire equipment has been gone over so that everything is ready to give the best possible service to the students.

AMHERST SCHEDULE.

The Amherst hockey team has a fine schedule this year which was to have opened with a game with Cornell at Syracuse last Saturday. The other dates are as follows:

January 6, Springfield Training at Amherst; January 13, Trinity at Amherst; January 27, Williams at Amherst; February 10, M. I. T. at Amherst; February 16, West Point at West Point; February 17, Williams at Williamstown.

1912--HAPPY NEW YEAR--1912

THE TECH

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MONDAY, JAN. 1, 1912

IN CHARGE OF TUESDAY ISSUE.

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HAPPY NEW YEAR.

The Board of Editors of THE TECH wish you all a very pleasant and successful and prosperous New Year. We hope that you will give us your full co-operation and help us in every way possible in our mission in putting all the news before the student body here.

There are but two weeks before the beginning of the Mid-Winter Examinations, and now is the time to begin preparing for the onslaught if you have not already done so. You have had a good, long (?) vacation, and there is no reason why you should not be in fit condition to put your mind right down to hard work and not leave it all for the night before, when you will feel the benefit of your full quota of sleep. We know that there are a good many of you who will not take our advice kindly, but those who have been "through the mill" will all tell you the same thing.

TECHNOLOGY PRAISED.

(Continued from Page 1.)

And so marvelous an equipment in such factory-like buildings," while of the Architectural Department these judges said: "Unique and complete!" And for President Maclaurin the visitors had nothing but compliments. "He gave us in a short half-hour," said Dr. Bryce, "the most admirable epitome of the evolution of the Institute, of the growth of the school from the foundations established by Professor Rogers. It is marvelous that one, a comparative stranger to the country, should have put himself so quickly in accord with the spirit of the country and have gained so easily the traditions of his splendid Institute."

And last of all, this very week, a visitor to the Institute, Mr. T. Schuchart, a German manufacturer, in inspecting the Institute pulled from his pocket a little volume, "Technical High Schools in North America," in which Technology was described as the best one in the country. The pictures in the volumes were not of buildings, but of machines, and showing the pictures of the Institute equipment to his guide through the buildings, he said: "These machines are what I wish to see."

These stories come at a very opportune moment as it is now an assured fact that the Institute is to move, and with the new buildings and magnificent location Technology will not have a single fault.

STREET ACROSS NEW SITE DECLARED CLOSED

Cambridge Ready to Receive Institute — Tech Must Give \$10,000 and Some Land.

The path has finally been cleared for the Institute's removal to Cambridge, as last Tuesday night the Cambridge Council and Aldermen voted to grant the petition to close certain streets and remove certain restrictions from the now accepted "new site."

The Institute will give to Cambridge, in return for the closing of Amherst street, land necessary for the widening of Vassar street to sixty feet, land sufficient to extend Ames street to the Esplanade, and to connect Vassar street with Ames street, and also \$10,000 for the construction work on these streets necessitated by the closing of Amherst street.

RESOLUTIONS.

In the last issue of THE TECH we were sorry to have to publish an account of the death of one of our most recent graduates. Since then the Class of 1911 has held a meeting and the following resolutions were enacted:

Whereas: God in His most infinite wisdom has taken unto Himself our beloved classmate, John Rice Bell; be it

Resolved, That the Class of 1911, Massachusetts Institute of Technology, in reunion assembled, express its most sincere and heartfelt sympathy to his parents and his brother, and be it further

Resolved, That copies of these resolutions be spread upon the minutes of the class, published in THE TECH and sent to the bereaved family.

For the Class,

Lloyd C. Cooley,
 Emmens J. Whitcomb,
 Harold B. C. Allison,
 Committee.

December 27, 1911.

HARVARD M. E. SOCIETY.

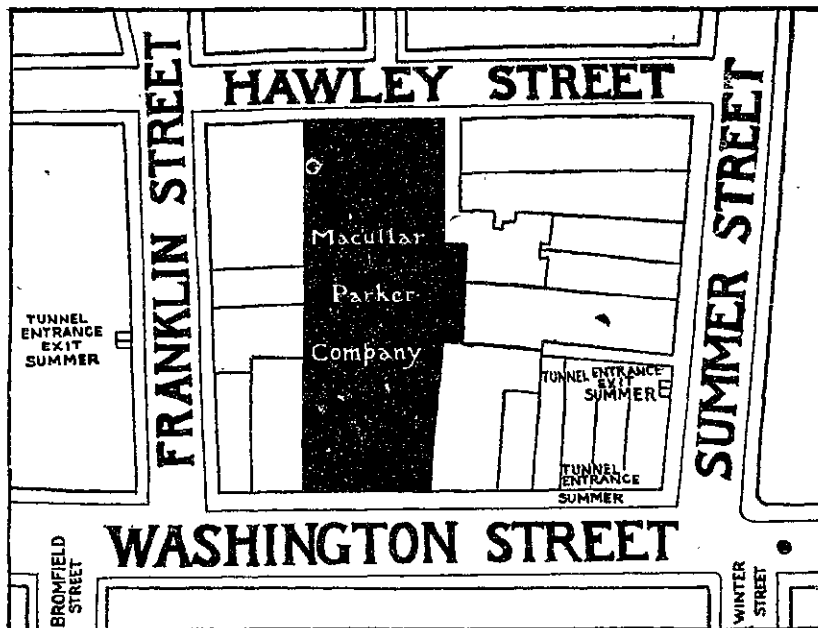
Tech Students Invited to Hear Their Lecture.

The Harvard M. E. Society has extended a cordial invitation to all Tech men to attend a lecture to be given in Pierce Hall on the evening of January 3rd. This lecture is to be delivered by one of the students, who will tell of his experiences while working on the Copper River Railroad last summer. To add to the interest the talk will be well illustrated by a large number of stereopticon views, and will be further enlivened by the addition of numerous anecdotes. The Harvard society has a reputation of holding mighty interesting meetings, and so it is hoped that many of the men will be able to take advantage of this opportunity to visit our friends across the river.

Tracy Lyon, '85, is now in charge of the production of all the companies that go to make up the "General Meters Company," the offices of which are in Detroit. Mr. Lyon became connected with the engineering corps of the Chicago Great Western Railway. He rose to the assistant general manager of the system. He also had charge of the manufacturing operations of the Westinghouse Electric Company.

Hardy Cross, '08, who has been connected with the Missouri Pacific Railway, has been made Assistant Professor of Civil Engineering at Brown University.

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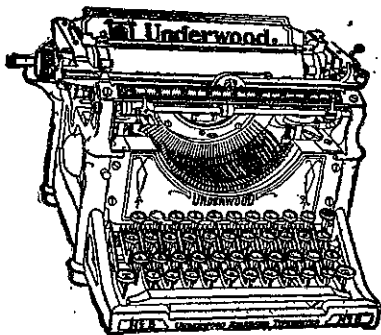
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TECH CHRISTMAS.

A week ago last Saturday night the Tech men who live too far away from Boston to go to their homes for Christmas had a very pleasant time at the Tech Christmas celebration at President Maclaurin's home. Dr. Maclaurin was master of the ceremonies, while Mrs. Maclaurin was in charge of the general arrangements. The rooms were ornamented with all kinds of Christmas decorations and presented a very attractive appearance. There were one hundred guests present, which crowded the rooms to overflowing.

The entertainment of the evening consisted of piano selections by Erwin Schell, vocal solos by L. M. Sandstein, as well as some of the members of the Glee Club Quartette, under the leadership of Kenneth C. Robinson, which always receive applause. Paul Shedd took the place of Swenson in second tenor.

Some of the features of the evening were given by various members of the Cosmopolitan Club. Nimr Said Salibi, 1913, of Beirut, Syria, sang the prayer given five times a day by all true Mohammedans. Vahan P. Yacoubyan, 1912, of Cairo, showed how ten years ago he was busy learning the Kren. Seated cross-legged on a small table he swayed to and fro reciting verses. T. C. Hsi showed the dexterity in the use of feet, hands and head necessary in the ancient game of shuttlecock. The magic stunts and card tricks of Sing Dji Li, Luchowfu, Arhui, China, were very interesting. Howard, 1912, took the place of a Houdini, who unfortunately was unable to be present, by getting rid of handcuffs secured to him by a few of the strongest present. He also added a few card tricks to those so admirably performed by Mr. Li. The guests left at 11.30, after spending a very enjoyable evening.

FIRST YEAR

Entrance Condition Examinations.

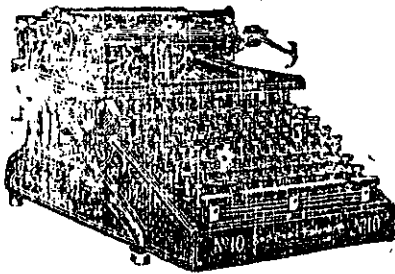
First-year students are expected to take at the end of the present term all entrance examinations in which they have not already clear records, with the following exceptions:

1. Students having conditions in entrance History and entrance Physics. No examinations will be held in entrance History and entrance Physics at the semi-annual examination period.
2. Students taking no work dependent on entrance subjects in which they have not clear records. They may take remaining examinations in June or September.
3. Students who are now making up entrance German by taking the elementary course, although they are privileged to take this examination.
4. Students entitled to excuse from particular entrance conditions on the basis of good term work. This applies to conditions in entrance Algebra, English, French, German and Plane Geometry, and students will be notified before January first if excuse can be given.

For the Faculty Committee on Entrance Examinations,
Walter Humphreys,
Registrar.

In the list of track team captains published recently in the Herald, Tech was left out. It's up to the fellows to show them that we are more in the track line than they seem to think.

William Z. Ripley, '90, has been made Nathaniel Ropes Professor of Political Economy at Harvard. He was Professor of Sociology at the Institute from 1896 to 1902. He became a professor at Harvard in 1901, after being a lecturer on physical geography at Columbia University. He was the Huxley memorial lecturer at the Royal Anthropological Institute, London, in 1908.



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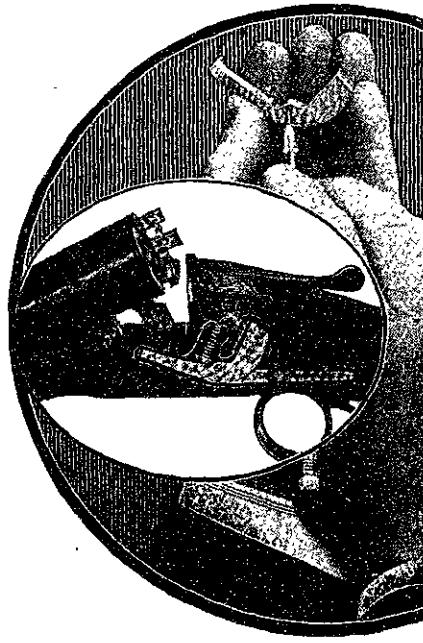
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