

# THE TECH

## DAILY

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PRICE ONE CENT

### TECHNOLOGY NIGHT AT 1915 EXPOSITION

#### Many New Attractions--Tech Mandolin Club To Supply Music

To night is to be Technology Night at the big 1915 Exposition. In addition to the regular program the committee in charge have added a few new features which should prove of interest to all Tech. At 4:00 o'clock in the lecture hall, President Lafavreux of Simmons College will speak; at 9:00, Dr. Sedgewick of the Institute faculty; at 9:30 Prof. Coman of Wellesley.

Furthermore, the Technology Mandolin Club will render music during the entire evening. This will be the first opportunity for many of the students of hearing the Mandolin Club, and undoubtedly many of the men will take advantage of it.

The Technology exhibit is the largest college exhibit in the exposition. There are exhibits from all the courses. Those of the Sanitary Research and Chemical Research Laboratory are most interesting and undoubtedly will be new to many of the men.

In the sanitary exhibit, there is an apparatus devised to show the fundamental principles underlying the corrosion of iron. There are also plates and tubes inoculated with pure and polluted water. In the chemical exhibit there are samples of safe, industrial and comfortable water.

The laboratory of heat measurements has an electric resistance furnace. The mining laboratory has an apparatus for separating ore that is very interesting. The architectural department has a number of praise-worthy designs.

The other exhibits are also most interesting. There are models of proposed subway stations. One corner of the vast building is devoted to examples of defective machinery and defective castings which would have caused many accidents. Also, safety devices for circular saws and stamping machines, etc.

The New England Telephone and Telegraph Company's exhibit is most instructive. The working of the board will be explained on request. There is also a working model of the automatic telephone. Models of ocean liners, yachts, locomotives and in fact everything technical and of interest to anyone of mechanical turn of mind.

There are also samples of work from all the Boston schools. The work of the students of the Perkins Institute for the Blind is most attractive and causes wide spread attention.

The room devoted to aeronautics is the greatest drawing card of the whole exposition. The Curtis Bi-plane which won the grand prize at Rheims last summer is in the center, surrounded by models of the Wright brothers' Bi-plane, and those other prominent aviators. The engine of the Curtis Bi-plane is of the eight cylinder gasoline type which does not require a fly wheel, thus reducing the weight to a minimum.

The exhibits of the different railroads should prove attractive to Tech men. Maps and models of stations and tunnels under the East river in New York arouse no more attention than the excellent photographs of special types of locomotives in use.

In the press department there is a hnotype machine in action. It illustrates many principles of mechanism in which second year students are interested. A careful inspection of it is very instructive.

In all probability a good many students will embrace this good opportunity to see the exposition. The entrance fee is 25 cents.

### H. A. HALE 1910 WINS MECH. ENG. COMPETITION

#### New Shingle Design Is Very Good--First Order Expected Soon

The design of the new shingle of the Mechanical Engineering Society is by H. A. Hale 1910. The society has just made this announcement of the results of the five dollar competition, which was begun at the opening of the term and closed on Nov. 1.

Hale is a member of Course II, and is well known for the music he has contributed to the recent Tech Show. He was on the executive committee of the society last year, and is now on its program committee.

The design of the shingle although giving at first sight a similar idea as the old one, is in reality quite different. The type of lettering used is old English; the initial letters of many important words are artistically rendered in red, giving with the white parchment on which it is printed a very neat and attractive appearance.

The first lot is expected in a few days, and will probably be disposed of in a short time as but few members have shingles owing to the early exhaustion of the supply last year.

### UNION NIGHT FRIDAY

#### Mr. Louis Brandeis To Speak On Working Men Insurance

For next Friday night the committee in charge of the Union night entertainments has been fortunate to secure the services of Mr. Louis Brandeis as speaker. His subject will be Working Men's Insurance.

Mr. Brandeis is a member of the prominent law firm of the city, Brandeis, Dunbar and Nutteer. Last year he spoke to the students on Old Age Pensions. He is a fine speaker, and his talk last year was considered one of the best of the season.

Mr. Brandeis devotes a great deal of time to public questions. He fought very vehemently against the New Haven Merger. Besides this he has engaged in many cases without any personal interests at stake, simply fighting for what was just and right. At present, he is permanently connected with Boston 1915 movement.

It will undoubtedly be a great pleasure to listen to such a man and the committee sincerely hope that a large number of students will come and hear him. Refreshments will be served, as usual, after the talk for the nominal fee of ten cents.

### ANNOUNCEMENT

All men who have left requests at The Tech office for the book "Concerning Technology," can obtain their books by applying at the cage. It is most necessary that all applications for these books be handed in the near future. Leave all requests at The Tech office marked care of R. H. Ranger 1911.

The Electric Exhibition at Mechanics Building opened last night to a large crowd.

### NEW CHEM. BOOK TRANSLATED FROM GERMAN

#### Work Of Dr. Blanchard And Mr. Hall--Advanced Analytical Work

A new handbook for the chemical laboratory has recently appeared. It is entitled "Laboratory Methods in Inorganic Chemistry," written by two German professors, Prof. Heinrich Biltz of Kiel University and Prof. Wilhelm Biltz of Göttingen University. The translation is by Dr. Blanchard of the Institute faculty and Mr. Hall of the instructing staff. It is a volume of about 250 pages published by John Wiley Co.

The work is intended for advanced students of chemistry as a supplement of analytical work. It deals with synthetic methods and aims to broaden the student's understanding of chemical compounds and principles. Most of the work is spent on the laboratory experiments, but some explanations are given. The subjects are advanced progressively and topics are taken up according to the different types of combination.

The German book has caused much favorable comment and the translation should prove a great help to English and American students of chemistry.

### TECH CHRISTIAN ASSOC.

#### Organization Practically Complete--List Of Officers

Sunday afternoon at 5:15, Dr. A. E. Garland, medical director of the city Y. M. C. A. addressed the Technology Christian Association. His subject was "The Christian Association and the Student." His talk proved to be most interesting and gratifying to the members of the club who were present.

The meeting next Sunday afternoon should prove to be one of the most interesting of the year. Dr. Walter Laidlaw, a prominent minister of New York and secretary of the Confederate Churches has been invited to speak. Like the majority of prominent speakers, he expressed himself to be most willing to come and speak to a Technology audience. He will speak at 6:45 at the Union, and his subject will be "The History and Meaning of the Boston 1915 Movement." This is a live subject and should certainly warrant a good audience. During the week, cards will be distributed announcing this meeting.

The organization of the club has been practically completed. The following officers have been elected: John Ahles 1910, president; M. B. Brownlee 1911, secretary; and R. A. Smead 1910, treasurer. The following chairmen of the various committees has been appointed: K. C. Robinson 1912, ways and means; G. M. Keeth 1912, Sunday evening meetings; John Hall, church relations, and on the Wednesday night entertainment and collation committee, R. H. Ranger 1911 and W. W. Warner 1911, temporarily.

That the society should continue to get closer to the majority of the student body is the aim of the officers of the club. With such energetic and enthusiastic men at the head, this endeavor will undoubtedly become realized.

### ORGANIZATION OF AERO CLUB PROGRESSING

#### Glider To Be Built In Near Future--Election Of Officers Wednesday

Organization of the Aero Club is going forward rapidly. At present the various hills around Boston suitable for gliding are being investigated by some of the members, and arrangements will soon be made for the use of a permanent testing field.

A glider will be built as soon as the permanent officers of the society are elected. In the meantime, Elisha Fales 1910, has offered the use of his glider. In building this glider, as in all the work to be done by the club, an effort will be made to make its own plans, and do its own research work.

The club will endeavor to have a corner reserved in the general library where aeronautical literature, and the club records may be kept. Arrangements are being made for the use of the mechanical laboratories of the Institute for the purpose of research.

A meeting of all men who have handed in their names as members or associate members or who intend to hand in their names will take place at 5 P. M., Wednesday, Nov. 17, for the purpose of electing permanent officers. These officers to be elected are a president, secretary-treasurer and an engineering committee of three will be elected from the full members.

The following men have so far handed in their names as associate members: F. K. Brown 1910, N. S. Seeley 1910, D. P. Gaillard 1911, Keneth Greenleaf 1911, E. H. Guilford 1912, F. D. Mendenhall 1912, R. P. Wallis 1912, R. E. Wilson 1912, F. D. Rich 1913 and T. E. Senior 1913.

### 1913 CLASS PIPES

#### Committee Reports Selection-- List of Men Taking Orders

After the way 1913 showed its superiority over 1912 on Field Day, there have been numerous inquiries concerning class pipes. Last week a committee was appointed to look the matter up and after careful consideration the contract was awarded to White of Cambridge, who has supplied the Harvard classes very satisfactorily.

The shape of the pipe is to be similar to the one which was chosen by the class of 1911. The pipes are to be in two grades. The better grade will be furnished with a Glokhar push stem and is to be a "B. B. B. own make," the other will be a "B. B. B." Both pipes are to be mounted in sterling silver with the customary high class workmanship of B. B. B. pipes.

The following men: C. H. Strong, W. H. Eichorn and J. C. Goff will be in the Union from 1 o'clock till 2 the rest of the week to take orders.

### CALENDAR.

Tuesday, November 16.  
4:15 P. M.—Banjo Club. 33 R.  
Wednesday, November 17.  
4:15 P. M.—Cross-Country Practice.  
Thursday, November 18.  
4:15 P. M.—Banjo Club. 33 R.  
Friday, November 19.  
8:00 P. M.—Union Night.  
Saturday, November 20.  
10:00 A. M.—I. C. C. A. A. A. A.