BIG SOCIAL FUNCTIONS

Noted Men will Present Papers of Great Value on Various Subjects.

The most elaborate of plans are being formulated for the success of the great Congress during the fiftieth anniversary of the founding of the charter of the Institute by Massachusetts. Scientists and educators from all over the world will gather in Boston on April 10, and 11 to participate in this evening of formal addresses. As a foretaste of what we shall view in the Congress, let us consider the famous "All Technology Reunion" of 1903.

This Congress of Technology is of unusual interest, not only as marking a period in the development of one of the greatest technical schools of the world, but also because it marks the rise and growth of the Institute, and is that which is now included under the name "engineering" and "applied science".

On the second day of the Congress, Tuesday, both the morning and afternoon sessions will be devoted to the presentation of papers on various subjects in the different buildings of the Institute.

The Congress and also the laboratories etc., will be open to the public, on both days.

The evening session, on Tuesday, will be open to alumni and invited guests of the Institute, and it is expected that on both nights a large vote will be cast.

When, fifty years ago—William Barton Rogers was inaugurated President, the most advanced ideals of technical education were taking form, and the Institute was on the threshold of that fame which has come to it in our time.

In honor of this anniversary, the Congress will be held in the Institute Buildings. It will open on Monday afternoon, April 10, with an address by President Macmahon in Huntington Hall.

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CIVIL ENGINEERS IN
HEATED DISCUSSION

Question as to how They shall go to Cape Cod Bathers Members

SOCIETY TO BE BANQUETED

Boston Society of C. E. to be Hosts to Students of Tech, Harvard and Tufts.

The much mooted question of whether the Civil Engineers should go to the Cape Cod Canal by a special boat or a special train will be brought up for discussion at a special meeting of the Society Thursday afternoon, in Room 53 Engineering A.

The advantage of going by train, which is a greater amount of time and can be more easily inspected by the men in favor of the boat, claim that they can enjoy themselves better and are enough any way.

Messrs. Ireland and McGrath, the members of the Engineer Board, will have as its guests, the Civil Engineer and Students of Technology, Harvard and Tufts.

At this meeting also, the revised Constitution will be brought up for discussion and adoption. The most important changes allow Civil Eng. option members of Course IV to be eligible for the ship and provide for ballot election of officers.

Announcement will be made of the coming dinner of the Boston Society of Civil Engineers at the City Club on the evening of April 7. The Boston Society will have as its guests, the Civil Engineer and Students of Technology, Harvard and Tufts.

Plans for the annual banquet will be discussed and preliminary arrangements will be made, such as the appointment of committees and officers.

Hook Night took so well with the crowd present, the Entertainment Committee is planning to have a Musical Night in the Union on Friday night, April 7. The senior men of the Musical Club is arranging a large musical program for his Club.

Some of the special numbers to be introduced by the Musical Clubs will be selections by the Mandolin Quintette and the Glee Club Quartette. The Glee Club will sing a new two-act, Z. Y. Chow will sing some Chinese songs and several other of his club members will render several selections on the peculiar and interesting Chinese instruments. Q. B. Deisslin will have some of his inscrutable illustrated songs.

More stunts are asked for, however, and any men, who would like to introduce a stunt, will please write H. M. Evs, 1911.

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"The Chocolates

For Sale at the Union

THE TECH, BOSTON, MASS., MARCH 20, 1911

Twelve members of the Mechanical Engineering Society attended the meeting of the American Society of Mechanical Engineers held in the Edison Building on Friday night, when a paper on "Speed Regulation in Hydro-Electric Plants" was presented by Wm. F. Uhl. Mr. Uhl, said in part—"To obtain satisfactory speed regulation in a hydro-electric plant, it is usually insufficient to provide the turbine units with well designed governors. Where the turbines are of the open style type, and the velocity of approach does not exceed three or four feet per second, satisfactory regulation depends on the hydraulic effect of the control device, only, and the formulas for calculating the speed variation are:

\[ \text{Speed Variation} = \text{302000} \times \text{h} \times \text{p} \times \text{t} \]

Where increases turbines are employed, pressure variations occur which modify the results obtained from this formula. The ratio of the length of the turbine penstock to the head(L/H) is a measure of the effect of these pressure variations. When this ratio is too great to obtain satisfactory results, the design of parts of the plant must be modified, or appearances such as pressure regulation or withdrawals must be employed to reduce the pressure variations."

Mr. Uhl gave numerical examples of the pressure variations for various governor regulating times for different ratios of lengths of penstock to head and penstock velocities. He emphasized the fact that in each case must be studied and solved on its own peculiar conditions, and that much time and money were wasted in providing for the speed regulation where it was not needed.

A very interesting discussion followed the reading of the paper. Loss of head in too lengthy draft tubes and the causes of such loss were brought out during the discussion.

R. B. Brownlee, Vice-Chairman, and R. M. Peery, Secretary of the student section were in order and were busy collecting evidence of the A. S. M. E. It is reported that they arranged for several events of the student section—pictures and plans representative of engineers present at this meeting.

INTERCOLLEGIATE GLIDER MEET AT ATLANTIC


WINCHESTER

.351 CALIBER
Self-Loading Rifle

As its name indicates, this rifle reloads itself, the recoil of the exploded cartridge doing the work. This places the complete control of the rifle under the trigger finger, which permits rapid shooting with great ease and accuracy. The .351 Caliber High-Power cartridge, has tremendous killing power, making it heavy enough for the largest game.

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THE TECH, BOSTON, MASS., MARCH 20, 1911

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THIRD YEAR
CHIPPING AND FILING
and
FORGING

EXERCISE IN FORGING
FOR Course II Sections 2 and 3, and in Chipping and Filing for Section 1 will begin on Friday, March 24th.

Walter Humphreys, Registrar.

TECH BUSINESS STAFF
A. L. Myers will take charge of the advertising department for the special issue. Report to him and get your assignments.
Herbert W. Hall, Business Manager.

BASE BALL GAMES
All applications for use of the Field for Baseball Games must be made to Major P. H. Briggs, 22 High St., stating the date, hour and teams, that will contest.

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DRAWING DEPARTMENT
Week of March 20.
Descriptive Geometry

This work will cover Problem 22.

Mechanical Drawing
Work on the bicycle sprockets and chain will be continued.

NOTICE, 1911.

Ballots for Class Day Committee are now ready to be called for at the Cage. Polls close at the Cage at 4 P. M., Wednesday, March 22d, as the balance of the year should be rendered before that date.

SALE OF TICKETS for Class Day Committee are requested to cash in tickets, are now ready to be called for at the Cage.

CHIPPING AND FILING

Exercise in Chipping and Filing for Course III will begin on Thursday, March 23rd.

END OF THE BRIDGE

NOTICE

Chocolate Soldiers

BILLS AGAINST THE CHOCOLATE

Soldiers should be rendered before Wednesday, March 22d, as the balance is to be turned over to The Tech soon after that date.

All students and members of the instructing staff, who kindly assisted in the sale of tickets, are requested to cash in as soon as possible.

The Manager.

ERSHARD, M. H.

DINNER ROOM
MRS. H. O. HANSON. Proprietor
Successor to A. G. Cotton
33 ST. BOTTLPH ST.
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factive fabrics the latest tex 
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shades. Prices that will please.

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Have you tried a Sunday 
Dinner at the Union?

Come and be convinced of something

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