

THE TECH

VOL. XXX. NO. 116

BOSTON, MASS., SATURDAY, MARCH 25, 1911

PRICE TWO CENTS

FIELD DAY TO BE FEATURE OF TECH CONGRESS	BIOLOGICAL SOCIETY HOLDS ENJOYABLE SMOKER	INTERESTING ADDRESS BEFORE SOCIETY OF ARTS	"FRENZIED FRENCH" TO INVADE WORCESTER
Athletic Events and all Sorts of Stunts Planned for Afternoon of April 10th.	Amusing Program Arranged, Followed by Interesting Talk By Mr. Gunn	Prof. Ritchie Spoke on Recent Progress in Astronomical Photography	Out of Town Dates are Worcester April 15 and Malden April 26.
GOLDEN OPPORTUNITY FOR FAME	PERSONAL EXPERIENCES	ILLUSTRATED BY SLIDES	APPLICATION OUT MONDAY
Noise, Fun, and a Grand Good Time Surely in Store. Do Your Part to Help Things Along.	As a Health Officer, His Subject. Refreshments and Social Time Concludes Meeting.	Sixty Inch Reflecting Telescope at Mt. Wilson Described in Considerable Detail.	Necessary to give up Northampton Performance through Impossibility of Making Arrangements.
<p>On Monday, April 10th, the Technology Congress "Field Day" and "Stunts" will be held at Tech Field. This is primarily for the students and is part of the celebration of the 50th anniversary of the Institute. A committee has been appointed to manage the affair and now is hard at work and only needs the co-operation of the students in order to insure a success. It is desired to have as many students participate as possible and there will be no end of good contests and humorous events.</p>	<p>The Biological Smoker, held last evening in the Union proved a most enjoyable affair all present felt well repaid for the effort of attending. The meeting was opened by President Schmit reading a letter from Mutt (Mr. Scharff) who expressed his sorrow at not being able to be present, since the command of the Mexican Army had devolved upon him. Jeff (Monk Ireland) wrote that Mutt was a d—n liar and didn't come because he hadn't the price.</p>	<p>In an address delivered before the Society of Arts, last night in Huntington Hall, Mr. Ritchey of the Mr. Wilson Observatory described in detail the several individual steps in the photographing of a heavenly body by means of different kinds of telescopes; but in particular by the sixty inch reflector on Mt. Wilson.</p>	<p>The remaining dates for the performances of Tech Show 1911, have been now decided upon, and application blanks for tickets will be sent out Monday.</p>
<p>Now is the time to arrange to take part in the stunts and to bring your "Mother" or girl out to the field and show them how a crowd of Tech men can act when let loose. There will probably be a medley relay race between teams from the four classes. Two all star ball teams will show how the national game should be played and the playing will make the Rec Sox team green with envy. The gym team will very likely perform and give the same wonderful stunts, that won for them the admiration of all Boston, the past winter. There is a rumor, that the Freshman battalion may don their armor and wedge on by the martial music of the band, show how they would fight if called to Mexico. Many and far famed are the other events which will take place on the greatest of all days. Just think of reading how you made the hit of the day in the Tech the following morning. Wake up everybody and see if you can't get together a stunt which will make you famous in Tech history. The Faculty has granted a half holiday so show your appreciation by taking part in this celebration.</p>	<p>Mr. Gunn was then introduced and announced his subject as "Reminiscences of a Public Health Officer". In his first year after leaving Tech, he was employed in army and varied capacities in Prof. Prescotts Biochemical Laboratory. In 1906 through Prof. Sedgwick, he went to Iowa, as a lecturer in the State University, and as a Health Officer. His many and varied reminiscences were most interesting and many very amusing. Intermingled with it all was much practical advice and knowledge. He pointed out that a health officer must be an educator and frequently use great tact. The field is a large and increasing one, and the salary is also increasing as time goes on.</p>	<p>In the rough, photographs of heavenly bodies are taken in the same manner as any other photographs are taken. But the one great modification that must be taken into account, is the relation of the camera so that it follows, independently of the object photographed. This is accomplished by attaching an electrically operated clock-work, steadied by a swinging governor, to the mechanism of the telescope proper. But besides this great correction, there is a minor correction that must be applied for refraction of light by the atmosphere. This is a very delicate and constantly varying obstacle that can be overcome only by manual control. For that purpose a man is stationed at the telescope who moves, either the plate or the telescope, sometimes as often as five times per second. And here is where Professor Ritchey showed the great advantage of the recently developed sliding plate holder. In the older telescopes the instrument itself, sometimes weighing five or six tons had to be moved by the operator; now, with improvement, the photographic plate itself is merely moved.</p>	<p>The Management is forced to announce that it has been impossible to make satisfactory arrangements for a trip to Northampton this year. Instead, a performance is to be given in Worcester on Saturday evening, April Fifteenth. In this trip Tech Show is invading a new field, but hopes for all the success that it has had in previous years at Northampton.</p>
<p>The Committee waxes that everybody get into the spirit with a vim and start your "think tank" going and leave a note at the Cage with your suggestions and stunts you wish to put on. And don't forget that April 10th is to be the day of all days so save that date and arrange to be at the Field with all the noise making devices (girls included) you can get hold of. In the meantime let everybody help the Committee by giving suggestions. Above all things don't miss this chance of a life time to become famous and have the best time of your life.</p>	<p>Prof. Prescott was asked to speak, and read a most amusing parody. He also gave an account of the work of his laboratory and some of the curiosities that were sent there for examination. The meeting then adjourned for refreshments and sociability.</p>	<p>The great advantage of the reflecting telescope, Professor Ritchey noted, was that of efficiency. The old refracting telescopes, with which we are all familiar, absorb from forty to fifty per cent of the light that passes through them, while the reflector absorbs at a maximum ten per cent. This point of is especial importance when applied to the photographing of heavenly bodies.</p>	<p>On Wednesday evening, April twenty-sixth, "Frenzied French" will be given at Malden. This performance comes annually, and is invariably well patronized by all. As this performance is the only opportunity that the general public has to see the Tech Show, they never fail to take advantage of it.</p>
<p>Watch the <i>Tech</i> every day for further news for it is coming thick and fast from now on.</p>	<p>THOMPSON CAPTAIN OF 1913 TRACK TEAM</p>	<p>There is however one other great advantage in the reflector. It is less cumbersome. In the old instruments it was necessary to have two great tubes, one for observation, the other for photographic work, whereas with the reflector we have but one piece.</p>	<p>As has been announced, the Boston presentations will take place at the Shubert Theater on the afternoons of April twentieth and twenty-first. On Monday every student and every member of the faculty and instructing staff should receive an application blank for seats for "Frenzied French". They are to be filled out and returned before Saturday, April first.</p>
<p>MRS. ELLEN H. RICHARDS ILL WITH HEART FAILURE</p>	<p>YESTERDAY THE SOPHOMORE TRACK MEN</p>	<p>The sixty-inch reflector which Professor Ritchey described in detail, rests in a vessel containing upwards of twenty tons of mercury. The reflector itself, which is a paraboloidal mirror, is sixty inches in diameter, eight inches thick, and brings all the rays to a focus some fifty feet from the mirror; but before they reach this point a plane mirror intercepts the rays and reflects them upon the photographic plate.</p>	<p>Last year the Management found it necessary to blacklist a number of Student in accordance with the ruling concerning occupation of seats assigned to holder. No man is allowed to sell his seats to anyone whomsoever, and anyone who occupied seats not assigned to him has been put on the blacklist. All who are uncertain as to whether or not they are on this list, should communicate with the Management immediately in order to be sure of receiving an application blank. If any man does not receive an application blank, it means that he is blacklisted or that his blank has been lost in the mail. In either case, he should see some member of the Management before the blanks are due.</p>
<p>Recognized as one of the Leading Lady Scientists of the World.</p>	<p>Yesterday the sophomore track men held a meeting in Room A of the Union, at which R. C. Thompson, '13, was elected track captain. Beginning in his high school days at Winchester, Mass., he has shown marked ability and great interest in athletic sports of all kinds. Since coming to the Institute he has kept up his interest and greatly improved his standing. He ran last year on the class relay team, took part in the Class meets, both indoor and outdoor, was on the class basket ball and baseball teams. This year he ran on the winning class relay team, and was a member of the Varsity Relay Team.</p>	<p>Among the many interesting slides shown was the one, of a portion of the milky way, the results of which brought out the statement of Mr. Carnegie, that the Observatory had discovered forty thousand new worlds.</p>	<p>The Management wishes to emphasize that the object of this list is not to make examples of men occupying seats illegally, but merely to protect the men entitled to their seats according to their classification. In former years sophomore and even freshmen have had seats on the floor to the exclusion of juniors and seniors in many cases. Last year the assignments were much more satisfactory, as the great majority applied only for seats for personal use. A few men were in seats not assigned to them, however, and it is those men, who have been blacklisted.</p>
<p>Mrs. Ellen H. Richards, Professor of Air and Water Analysis at the Institute and one of the most widely known lady scientists of the country, lies critically ill at her home at 32 Eliot St., Jamaica Plain. On Thursday evening she was suddenly stricken with an acute attack of heart failure, so that for a time her life was despaired of. However, her husband, on Friday, Prof. Richards, announced that she was more comfortable, and her recovery was hoped for.</p>	<p>AMERICAN NIGHT AT COSMOPOLITAN CLUB</p>	<p>EVERYBODY</p>	<p>CALENDAR</p> <p>Saturday, March 25. 2.30—Track Practise at Field; 8.00—Cosmopolitan Club Mtg.—Union 2.00—Orchestra Rehearsal—Union. 2.15—Hare and Hounds—Back Bay Station.</p> <p>Monday, March 27. 1.00—Tech Board Mtg.—Union. 4.15—1913 Technique Electoral Com. Mtg.—27R. 5.00—Technique Board Mtg.—Union 4.15—1913 and 1914 Cross Country—Gym.</p> <p>Tuesday, March 28. 1.00—Tech News Board Mtg.—Union.</p>
	<p>On Saturday evening, March twenty-fifth at eight o'clock, the Cosmopolitan Club will hold another of its social meetings in the Union. It will be in the nature of an American night, the subjects dealing with the United States. D. S. P. Gaillard, '11, of Culebra, Canal Zone, will talk on "The Panama Canal", A. G. Ranney, '13, of San Antonio, Texas, on "Texas and the Southwest", Professor Seaver on "American Arts", Mr. Sidney Gunn, on "The Cosmopolitanism of America", and Professor Doten on "Immigration".</p> <p>The Committee hopes to have also Mr Richard Sears of the Boston American talk on "The Experiences of a Staff Photographer". The talks will be supplemented by a musical program of five numbers indicative of the various types of American music. The program is to be short and snappy, leaving plenty of time afterwards for sociability. Refreshments will be served.</p>	<p>You have a letter to get out in a hurry neatly. Drop in and dictate it. In fifteen minutes it will be turned out. Price ten cents. Poen 8.45 A. M. to 5 P. M.</p> <p>Tech Typewriting Bureau. 39 Trinity Place. Opposite Tech Union. Tel. B. B. 1387.</p>	

THE TECH

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SATURDAY MARCH 25, 1911

Last year, one of the most important and successful events of the year was the Faculty Night at the Union. It stands conspicuously as one of the best informal get-together good times at which faculty and students have been able to get really acquainted. It also helped men to get to know their fellow students and classmates in much the same way as does the Y. M. C. A. reception at the beginning of the year.

A sophomore expressed the opinion the other day that the majority of second year men were acquainted with no more than a quarter of their own class. Whether this is true or not, it is certain that the majority of men know too few of their classmates and are intimate with but a very limited number. Moreover, the percentage of men active in Institute affairs is altogether too small, and the number of men who really know what's what and who's who at Technology, is too few.

To remedy both of these conditions, to promote a stronger class feeling and a more widespread interest in Tech affairs in general, we should like to suggest the holding of a number of entertainments on somewhat the same order as the Faculty Night last year. The idea is to hold class smokers in the Union once or twice a term to which the faculty also would be invited. In this way the number present would not be so overwhelmingly large as to be unwieldy and those present would have a greater opportunity to get really acquainted with each other. At these smokers, members of the class engaged in Institute and class affairs might be asked to tell a little about the work of each and the opportunities offered by each. The smoker might include also informal discussions on class and Institute affairs and might easily develop into a cleaninghouse for ideas.

Such a smoker would naturally be left to each class to carry out and develop for itself. In the present dearth of class meetings and excessive class excitement, the editor dares predict that the suggestion would be heartily received by the majority of students. Such class smokers have met with great popularity and success at other institutions, and would no doubt be no less enthusiastically met here provided that they were kept strictly informal in their character.

COMMUNICATION

To the Editor of *The Tech*:

In behalf of the Committee in charge of the Technology Congress Field Day and "Stunts", I wish to bring before the students the necessity of their cooperation in making this celebration a success. It is the chance of a life time to show our appreciation of our Alma Mater by all taking part and having a thoroughly good time. No one can afford to miss this day, because some of the stunts and games are going to be so humorous, that exams will be the only things that will be able to stop you from laughing the rest of your life.

Just imagine going out and having such a time as we are going to and at the same time getting into trim for the Show, Prom etc. to follow. Here's the chance to get into dancing trim by running for your class. Here's the opportunity we have all been waiting for, to cut loose and limber up our "salary wings" with the "All Stars". Who can afford to miss seeing Johnny Glaze burn them over the old pan and "Pop" Hufsmith mow them down around second base? Think of it! And no admission will be charged. Now everybody put down the date, the place and possibly the? Leave all suggestions at the Cage for the Committee.

Sincerely,

H. D. Williams, 1911,
Chairman.

COMMUNICATION

To the Editor of *The Tech*:

A great deal of unfavorable comment has been heard during the last week concerning the Show Poster. General agreement seems to exist among those, who saw the exhibit of discarded posters in the Architectural rooms, that the best selection was not made. Far be it from us to even suggest that any favoritism existed anywhere, nor do we criticize the ability of the professional artist judges. No doubt the poster is artistic, maybe it is too much so; anyway it is hard for the amateur to see the "graceful figure" and "attractive face" so much praised by the show management before the posters appearance.

In as much as the great majority of the people to be pleased or displeased with the Show Posters are amateurs, would it not be a good plan to have the selection made by a committee of amateurs, even better by a popular vote? It would be by no means impossible to have a public display of tendered posters in future years and choose that one from among them which received the greatest number of votes.

1912.

NOTICE—1911

Ballots for Class Marshals are at the Cage ready for all men who were eligible to vote for Class Day Committee. Polls close Friday, March 31, at 4.00 P. M. Vote Now.

IN THE LIMELIGHT

Ladies Night at the Union should properly be called "Lady Night". Don't ask me why. You know better than I.

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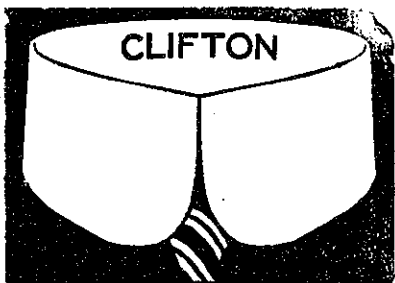
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MEETING OF HOUSE COMMITTEE YESTERDAY
Reports Show Improvement Over Last Year and First of This

O. D. POWELL NEW CHAIRMAN

Suggestions to the Fellows Along line of Keeping Union Living Rooms in Better Shape.

Several changes in the membership of the Union committees have recently taken place. Harold M. Davis has been made chairman of the Entertainment Committee and Philip Morrill '14 and Francis H. Achard have been appointed members of the committee. Oliver D. Powell is the new chairman of the House Committee and Winthrop E. Caldwell '13, Leroy G. Fitzherbert, '12, and Lucian W. Burnham, '14 are the new appointees to that committee.

Conditions generally show considerable improvement over those of last year and the early part of this. Greater care in the use of the magazines is to be desired. In the clubs of the city a magazine binder does not need repairs more than once in a year or two whereas those in our own rooms are sent to be fixed on an average of about two months. A little care in putting down the magazine instead of throwing it down would be much appreciated.

There seems to be some misunderstanding among the fellows concerning the storage charge at the Cage. This charge was made by the committee in order to prevent long continued storage of articles in the Cage and a consequent burden on Charlie. Some poor spirited fellows have endeavored to get around this ruling by re-checking the articles every three days. In the future this method will not work as the men will be charged for the time the article is stored irrespective of the number of times it may be rechecked. Some such regulation as this must be made in order to keep the men from imposing upon the privileges given them.

The Cage should be considered as a temporary storage place and not a permanent resting place for superfluous articles.

There is considerable waste evidently in the use of paper and envelopes. The paper is intended for letter or note writing and not for working math, or physics problem. A little cooperation among the fellows using the Union and those having charge will be of mutual benefit. Any suggestions for changes or improvements will be welcome.

The prizes to be given in the Inter-course Meet Saturday April 4, have been placed in the bulletin case in the large lounging room near the Cage.

BALLOTS FOR 1911 MARSHALLS AT CAGE

Polls Close at 4 P. M. on March 31; Ballots Contain Names of Men on Class Day Committee.

Ballots containing the names of the twenty-five men elected to the Senior Class Day Committee are now at the Cage for all members of 1911 who were eligible to vote in the election for that Committee. The men ballots are for the purpose of electing the three Class Marshalls, who are chosen from among the members of the Class Day Committee. The names appear on the ballot in alphabetical order and not in order of election to the committee. As before, President Stevens' name is not included, as he is not eligible, by virtue of his office, to become a candidate for marshal.

The polls will close promptly at 4.00 P. M., Friday, March 31st, ballots to be left at the Cage before that time. In spite of the fact that it was emphasized several times, that twenty-five men only were to be voted for, in the recent election, several ballots had to be rejected because of overvoting. Please bear in mind, that three and only three names are to be checked, and that the printed envelopes are to be signed with the voter's name. Out of approximately two hundred and fifty men qualified there were over one hundred and fifty, who voted for the Class Day Committee; this second ballot should call out an even greater number.

FATIMA

TURKISH BLEND CIGARETTES

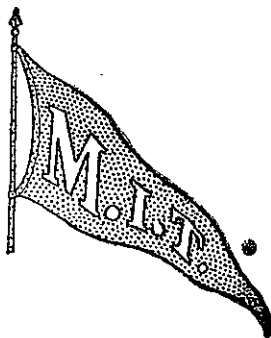
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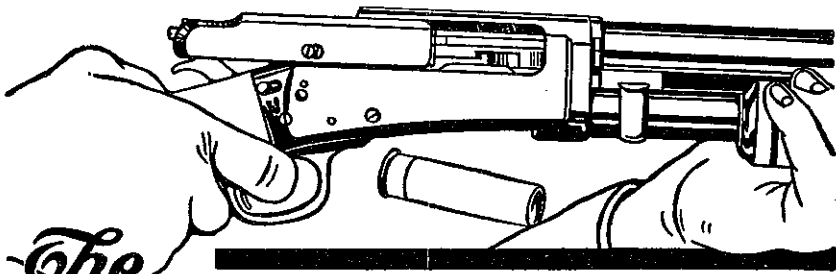
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Copy of Bulletin Notice.
March 16, 1911.

The list of candidates for graduation the present year has been presented to the Faculty, and all persons whose names are on it have been notified individually. The list cannot now be changed except by vote of the Faculty, and any student expecting to be recommended for the degree the presnet year should consult me if he has not been notified that his name is on the list.

A. L. Merrill,
Secretary.

COURSE IV, FIRST YEAR

Shades and Shadows

The first exercise will be on March 27, 1911, at 2 P. M., Room 40A, Pierce Building.

Bring T-square, thumb tacks, instruments, etc. Paper will be furnished.

H. W. Gardner,
March 24, 1911.

E. E. Society Nominations.

Nominations for the officers of the E. E. Society, will close at 4.15 Mar. 31. Nominations must be signed by at least five active members of the society.

Election Committee

Sydney Alling—Chairman.
John L. Berry, 3d.
Henry D. Kemp.
Herbert W. Hall.
C. L. Darves.

1913

Candidates for base-ball team report Tuesday, March 28 at the Field. Practice Tuesday, Wednesday and Friday at 4.00.

F. H. Pendleton, Mgr.

NOTICE

"There will be vacant at 211 Newbury Street, on March 24th, a very desirable room. Apply to the Bursar's Office."

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.

DRAWING DEPARTMENT

Week of March 27
Descriptive Geometry
Problem 27 (2½ hours)
Mechanical Drawing
Drawing of bicycle sprockets and chain continued (3½ hours)

FACULTY NOTICE

Massachusetts Institute of Technology
March 20, 1911.

In recognition of the celebration of the 50th anniversary of the granting of the charter to the Institute, the Faculty has voted to suspend the regular exercises on Monday, April 10th, after 1 o'clock, and on Tuesday, April 11th, after 11 o'clock, in order that members of the Instructing Staff and the students may be able to attend the exercises of the celebration.

A. L. Merrill,
Secretary.

NOTICE

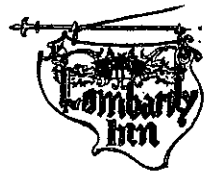
Chocolate Soldiers
BILLS AGAINST THE CHOCOLATE SOLDIERS should be rendered before Wednesday, March 22d, as the balance is to be turned over to *The Tech* soon after that date.

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.

NOTICE

Lost:—
A jeweled Fraternity pin. Please return to the Cage and receive reward.



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Drawers	.05
Union Suits	.08
Handkerchiefs	.02
Half Hose	.04
Night Shirts	.08
Pajamas	.10



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SCHOLARSHIPS

March 20, 1911.

Each applicant for a scholarship (except a State scholarship) for the ensuing year, should hand in his application blank at the Registrar's Office, and leave his name before April 4th on a special card enclosed in an envelope, at the Registrar's Office. (Blanks and cards may be obtained at the Registrar's Office.)

Applications dated since January 1st need not be duplicated but the applicant should notify Professor Dewey in writing if he desires to apply for a scholarship for next year.

With the name state the class, course and all free hours for consultation. Each applicant will be notified through the "Cage" in regard to date selected for consultation. Students applying, therefore, should inquire at the "Cage" for all.

STATE SCHOLARSHIPS. Applications should be made to the State Board of Education on blanks to be furnished at the State House.

While the State Board of Education has full control of the award of the State scholarships, it is customary to submit all applications to the Faculty for endorsement as to standing, for advice as to other dates in possession of the Faculty may warrant. For this reason, while the Scholarship Committee has no authority to request conference or further information from applicants for State scholarships, it will always be glad to receive and consider all information, that may be furnished. In any case, students intending to apply for State scholarships are requested to notify the Registrar to that effect.

Walter Humphreys,
Registrar.

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