

# THE TECH

VOL. XXXIV. NO. 49.

BOSTON, MASS., WEDNESDAY, OCTOBER 21, 1914.

PRICE THREE CENTS

## MUSICAL CLUBS HOLD OPERA' CONCLAVE

Members Of Boston Opera Company Introduced And Selections Given.

There was a large gathering in Huntington hall yesterday noon at the Conclave in the interest of the Musical Clubs' benefit to be held at the Boston Theatre Friday evening. Abrams, '15, general manager of the Musical Clubs, presided. After stating the purpose of the meeting and giving information regarding tickets, Abrams introduced Mr. Morse, manager of the Boston Theatre Opera Company. Mr. Morse told in detail

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## TECH NIGHT PLANS

Tickets Are Now On Sale For The "Passing Show."

Plans for Tech Night after Field Day on November the sixth are slowly progressing. The Committee in charge, in accordance with the custom of previous years, have decided to see "The Passing Show of 1914" at the Shubert. All the seats in the house have been turned over to the Committee who have put them on sale in the corridor in Rogers from one to two, every day both this week and next. The prices are the same as the regular theatre prices. As has been the custom, the Freshmen will sit in the gallery, the Sophomores in the balcony boxes, the Upperclassmen in the orchestra while the various Field Day teams have the lower boxes. Any party of fellows may engage a block of twenty-five or more seats, but these will only be held during this week. After next week every seat unsold will be put before the public.

## FRESHMAN TUG OF WAR

There were a large number of men at the practice of the 1918 Tug of War team yesterday. The management wishes to make a very urgent appeal to the men who are not coming out to come around, as the time until Field Day is short. Practice is held every day, the program for this week being Tuesday and Thursday at the Gym, and Monday, Wednesday and Friday at the Oval. Among others, the following men have been doing promising work: B. Pinkham, L. Blodgett, G. F. Halfacre, W. R. Herfurth, D. MacArdle, A. Russell and the two counters, R. C. Mahoney and O. D. Burton. Cuts will be made shortly.

## TECH TO MEET HARVARD SATURDAY AFTERNOON

New Field Will Be Opened With A Varied Program Of Events.

The new field will see its first competition on Saturday, when Tech and Harvard will hold a practice track meet. At present, owing to the condition of the field, it is impossible to tell what field events will be held, but it is practically assured that the hammer and shot will be on the program. The jumping pits have not yet been built, and it is doubtful if the work on them can be completed by Saturday.

All of the running events up to the half-mile will be held as usual, but there will be no mile or two-mile. The entire cross-country squads of both institutions will be entered in the three-mile run which promises to be the feature of the day.

Bingham, Capper and many others

(Continued on Page Three)

## FRESHMAN WRESTLING

Trouble Encountered In Getting Men Out For Practice.

At the work-out last Monday from four to six, only a few of the men who reported for practice October 14th appeared. Mr. Gracey will be present on Monday, Wednesday and Friday from four to six to oversee the work of the Freshmen. Mr. Gracey hopes that more men will report this afternoon. Lyons, Demond, White, Means, Tabor, MacFarland, Giles, Wirt, Helrich, Magoun, Russel, Louchs and Parker have reported to Manager Morse.

## SENIOR DUE BOOKS

The 1915 Class Dues receipt books must be left today at the Cage so that the secretary may make a list of paid up members for the Election Committee. Any desiring to pay their dues in time to vote may do so at the polls.

## PUBLICITY CANDIDATES

Another meeting of candidates for the office of Assistant Publicity Manager of Tech Show will be held at the Show Office tonight at 5 o'clock. More men are wanted. The following eleven men have already entered the contest: C. M. Angell, C. E. Beach, W. S. Collins, A. R. Evans, Paul Howard, C. L. Kingsbury, W. S. McGuire, A. L. Russel, M. M. Stetler, L. B. Van Da Sinde and H. C. LeVine.

## BRIGHT PROSPECTS FOR SWIMMING TEAM

Manager And Assistant Elected At Meeting Monday—25 Men Present.

About 25 men responded at the Union, Monday, to the call for men interested in swimming. W. L. Graves, '16, outlined the plan to revive the once popular sport at the Institute. Matches will be secured with teams of other colleges and schools, and an effort made to gain recognition of the sport from the M. I. T. A. A. if the team is successful in its meets.

As yet no tank has been secured for the tryouts and practice, but efforts are being made to secure that of the Boston Y. M. C. A., or the Brookline Swimming Pool. W. L.

(Continued on Page Five)

## T. C. A. TALK

Mr. Nasmyth To Discuss Important Phase Of Present War.

Tomorrow at 1.30 in the Union Mr. George W. Nasmyth will speak on "The Contribution of the Present War to the World's Peace." Mr. Nasmyth is at present the head of the University Department of World Peace, and was one of the first and foremost originators of the "Cosmopolitan Club," now found in nearly every large city. The fact that Mr. Nasmyth has spent the last three years in Germany adds to the interest in his subject.

This is the second talk of the T. C. A. series, but is the first of the regular noon occasions.

## SHOW BOOKS

All books for Tech Show 1915 are due Monday, November 2nd.

## ARCHITECTS' SMOKER

The Architectural and Architectural Engineering Societies will hold a combined smoker on Friday evening, October 23d, at 8 p. m., in the Department Rooms, 42 Pierce Building. Professor Ralph Adams Cram, Senior Professor of the Architectural Department, will speak on the "Architect as a Human Being."

## GYM TEAM

Practice for the candidates for the Gym Team will be held at five o'clock today and Thursday at the Gym. The management wishes that any men who have ever done any tumbling or work on the side horse come out for the team.

## ELECTION REPORTS AT MASS MEETING

Officers Of Upper Classes Will Be Announced Saturday Evening.

The names of nominees for the Senior, Junior and Sophomore class offices have been corrected and are given below just as they will appear on the official ballots. The list of the candidates for the Junior class is given here for the first time.

A general mass meeting will be held next Saturday evening at seven o'clock

(Continued on Page Five)

## HARE AND HOUNDS

Important Run Will Be Held This Afternoon.

This afternoon all cross country men and members of the Hare and Hound Club are expected to take part in a practice run over the usual course, starting at Highland, West Roxbury, and ending at the old Tech Field, a distance of about 4 1-2 miles. The train will leave Back Bay at 4.30 and the fare for the round trip is twenty-five cents. The men should take dress suit cases with them. Any men who wish to join the Hare and Hound Club may procure membership by paying 50 cents to the chase captain, H. P. Gray.

## ELECTION COMMITTEES

The members of the election committees from 1915, 1916 and 1917 will meet in the Union at 4 today.

AD K

## CALENDAR

Wednesday, October 21, 1914.

- 1.00-2.00—Seats for "The Passing Show of 1914." Rogers Corridor.
  - 4.00—1915, 1916, 1917, Election Committees. Union.
  - 4.00—Football. 1918 vs. Mechanic Arts, North Brighton.
  - 4.00—1918 Tug-of-War Practice. Oval.
  - 4.00—1918 Wrestling. Gym.
  - 4.30—Hare and Hound Club Run. Back Bay Station.
  - 5.00—Glee Club. Union.
  - 5.00—Gym Team Practice. Gym.
  - 5.00—Candidates for Assistant Publicity Manager of the Tech Show, Show Office, Union Building.
- Thursday, October 22, 1914.
- 1.30—T. C. A. Talk. Union.
  - 1.00-2.00—Seats for "The Passing Show of 1914." Rogers Corridor.
  - 4.00—1918 Tug-of-War. Gym.
  - 5.00—Gym Team Practice. Gym.

MASS MEETING, SATURDAY NIGHT--7 P. M.

# THE TECH

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Published tri-weekly during the college year by students of the Massachusetts Institute of Technology.

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(Daily except Saturday)  
General Manager .....5.30 to 6.00 P. M.  
Managing Editor .....5.00 to 6.00 P. M.  
Advertising Manager...5.00 to 5.30 P. M.  
Treasurer .....1.30 to 2.00 P. M.

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WEDNESDAY, OCTOBER 21, 1914.

## IN CHARGE OF THIS ISSUE.

Editor: H. E. Lobdell, '17.  
Associates: J. G. Fairfield, '16;  
A. E. Keating, '17; J. W. Damon, '18;  
F. H. Wells, '18.

The compressing of all class elections into a single day makes it necessary for every voter, at least every one who assumes his responsibility in the proper spirit, to devote a little time beforehand to sizing up the candidates, ascertaining their qualifications and records, and preparing to discharge intelligently his duty to his class. While the time of actual voting is short, the time now intervening is so ample that no one has the slightest excuse for being unprepared at the last minute.

Because of late notice, it was impossible, in Monday's paper, to do justice to the eminent importance of our Track Meet with Harvard which is due next Saturday. The time for training is extremely short, and men are needed, especially for the field events and the sprints. Everyone who has had any experience whatever in this work can be of assistance and prompt action on the part of all who desire to help the team is imperative.

The isolation of Germany has had one result which comes close home to Institute students; it has rendered much of the apparatus in our chemical supply-room absolutely non-replaceable and much more of it replaceable only at exorbitant cost. While the size of the stock renders present anxiety unnecessary, the stu-



The three-mile is sure to produce a hot fight on Saturday, when Cook meets McClure and Carter. Cook has not done any work on the track this fall, but still looks like the best bet at the distance.

A noise like a track meet with Harvard must have "woke" Frank O'Hara, for he made his first appearance in a running suit yesterday afternoon.

Graff's running on Saturday was a surprise to many although he has always been considered a dangerous man. His actual time was over a minute faster than that of his nearest competitor.

The track at the new field is still too soft for any good times to be made in Saturday's meet. The jumping pits are among the missing.

Colleary, the former Holy Cross jumper and New England Intercollegiate broad jump champion, is working out at the field every day. He is eligible to represent the Institute this year and will prove a valuable acquisition to the team.

Coach Kanaly is not worrying about the outcome of the three-mile on Saturday. Even though the Harvard men may have the advantage at present, he is confident that the tables will be reversed when the cross country teams meet at the I. C. A. A. A. A. run in New Haven.

## COMMUNICATION

To the Editor of THE TECH,  
Dear Sir:

Two weeks from Friday night all loyal Tech men will turn out to see a show selected by a committee as a show which will satisfy the tastes and ideals of the average Tech man. This committee, whoever they may be, have selected as the play supposed to satisfy these conditions, "The Passing Show," which someone has described as "the most undressed thing that they ever saw." If one cannot admire the taste they can certainly admire the brazen conceit of those individuals who hold in so little esteem the high ideals of an educational institution.

It is a fact that men are not judged by what they say but what they do, and a school as a whole is to be judged as lovers of the suggestive or near-obscene because of the fact that a few men endowed with the power to act have chosen thus for them. There is not a Tech man who is the least interested in his school who does not feel that he should go to TECH NIGHT, and he is now given

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dents should do their part toward safeguarding these treasures by being as careful and economical of them as possible.

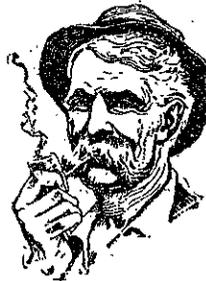
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## NUMEROUS CHANGES IN INSTRUCTING STAFF

### Appointments Include That Of Chinese Assistant In Research.

At the last meeting of the Executive Committee of Technology, the following appointments to the instructing staff were made:

Pei Hwang Hsu, research assistant in the Chemistry of Sanitation;

Leicester F. Hamilton, colonel of the Tech regiment last year, assistant in Military Science and Tactics;

Gerald Walter Blakeley, assistant in Heat Measurements;

P. H. Pierce, research assistant in Electrical Engineering;

Martin J. Shugrue, instructor in Economics;

Alexander S. Jenney and I. P. Lord, instructors in Architecture, and

Lacey D. Caskey, assistant in History.

The reappointments include the following assistants:

John E. Bird, Drawing;

W. H. J. Kennedy, History;

George T. Rooney, Physical Training, and

John E. Bird, Mechanical Drawing.

Francis H. Achard, is reappointed research assistant in Electrical Engineering.

Leave of absence has been granted to H. F. Thompson, research associate in Electrical Engineering.

## MECHANICALS MEET

### Mr. Fay To Speak On Fall River Work At Smoker.

The first meeting of the Mechanical Engineering Society will be held a week from tomorrow, on Thursday evening, October 29th. At this meeting, which is to be a smoker, the speaker will be Mr. Fay, of the firm of Fay, Spofford & Thorndike, consulting engineers. Mr. Fay is not Prof. Fay of the Institute, as was reported in Monday's issue. This mistake was owing to the fact that an erroneous notice was given in to The Tech.

## HARVARD MEET (Continued from Page One)

of the Harvard stars are not entered, but Coach Donovan has had over one hundred men working on the stadium track and is sure to have a strong and well balanced team. One hundred and fifteen men are at present working out under Coach Kanaly, and give promise of forming one of the strongest track squads ever produced at the Institute.

Owing to the fact that the new field has not been ready for use, none of the men have been able to get the proper training. The sprinters have worked at starting at the gym, but the greatest distance available is forty yards. The cross-country squad, while in good condition for a hard hill and dale run of five or six miles, is in no condition to go on the track in a distance as short as the three mile, when the pace will be much faster than that at which they have trained.

O'Hara will run the sprints and al-

## ENGINEERING AND SCIENTIFIC NOTES

Although there was a decrease in the production of natural asphalt in the United States in 1913, including all the varieties of natural asphalt and asphaltic sandstone and limestone, there was a far greater corresponding increase in the output of manufactured or oil asphalt, according to the United States Geological Survey. Oil asphalt obtained as a residue from the distillation of Mexican, Gulf and California asphaltic oils, and even from those of the Middle West, is becoming more and more available. There is correspondingly less interest in the development of new sources of natural asphalt.

Kentucky is one of the few States in which fluorspar is produced, and in 1913 the output was nearly double in quantity and value that of 1912. Other mineral products are asphalt, cement, ferro alloys, iron ore, lead, lime, mineral water, oilstones, sand and gravel, sand-lime brick and zinc.

The consumption of white arsenic in the United States in 1913 amounted to about 7,200 tons, valued at \$270,000, of which 2,513 tons, valued at \$159,236, was produced in this country as a by-product from copper and precious-metal smelters, and the remainder was imported largely from European countries. For the present, imports of arsenic will probably be seriously diminished by the European war. The American smelters can save much more arsenic than they do now, for the cheapness of the product has prevented the saving of all that was practicable, and the war would seem to open the way for an increase in the American output.

Works for the exclusive production of arsenic have been erected at only two places in the United States—Brinton, Va., and Mineral, Wash. It is difficult for such plants to produce arsenic to be sold in competition with the by-product of the smelters except in periods of high prices, such as may again prevail if the war and its industrial disturbances are long continued.

though he is not in the best of form, he bids fair to lead home anyone whom the crimson has to oppose him. Huff and Sewall have been working over the hurdles for the past few days, and in spite of the short training period, are running in fair form. Tom Guething's loss will be severely felt in the quarter, where Tech for the first time in four years looks rather weak. "Cy" Guething will probably run the half although he has been doing cross-country work all fall.

The three-mile will find matters slightly more even, for both squads have been doing considerable hill and dale work. Harvard, however, practices on the track two days a week, giving them a chance for a little speed work. In this event Harvard will pin its faith on McClure and Carter, while Cook, Brown and Graff look like the strongest men for the Institute. Cook, when in condition, is undoubtedly the best man on either

(Continued on Page 4.)

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PATRONIZE TECH ADVERTISERS

### NEW MEMBER ELECTED TO THE CORPORATION

Albert F. Bemis, '93, Will Fill Vacancy Left By Death Of Mr. Draper.

At the last meeting of the Corporation of the Institute, Albert Farwell Bemis, 93, of Chestnut Hill, was elected life member. The vacancy thus filled is that caused by the death of Eben S. Draper, also an alumnus of the Institute. Mr. Bemis is president of the Bemis Brothers Bag Company, and has been since 1911 in the city government of Newton. He is past president of the M. I. T. Alumni Association and a trustee of Colorado College. He has been a member of the First Corps of Cadets and in the management of the National Association of Cotton Manufacturers. He has always been greatly interested in Tech and has been very active in the establishment of the summer engineering camp at East Machias, and is, in fact, a member of the committee which secured and developed the location.

### FRESHMEN FOOTBALL

1918 Team Will Play Mechanic Arts High School Today.

Today the Freshman football team plays its second game when it clashes with the Mechanic Arts High School at North Brighton. This is to be a regular game, in spite of the fact that Mechanic Arts has it on their schedule as a practice one. It was necessary to do this since the management of the High School team must report it to the Faculty of the School in order to make it a regular game. That is also the reason why the game is not advertised in the daily papers.

About twenty-three men reported for the scrimmage practice at the Huntington Avenue work resulted. Saturday, 1918 will play Dorchester High School and a game is pending with Newburyport for the thirty-first of this month.

### HARVARD MEET (Continued from Page 3.)

team over the three-mile route, but he will find himself severely handicapped by the limited amount of track work he has done this season.

Fast times cannot be expected in the meet for the track has not settled as yet, and is still very heavy. The same is true of the jumping events, for the ground about them is still too soft to provide a good take-off.

Coach Kanaly said last night that if it were a dual cross-country run, he would back Tech to the limit, but that owing to the poor training facilities of the past few weeks, he was only willing to say that it would at least be a good fight.

Hare and Hounds. Leave Back Bay 4.30 today.

Class Election Committees. Union. Four o'clock.

Show Books due a week from next Monday.

### GLEE CLUB

There was a very successful rehearsal of the Glee Club Monday evening at the Union. Several new songs were gone over and by the results the prospects seem encouraging to the manager. There is quite a lot of new material which will prove a great help to the club. The next rehearsal will be held in the Union at five tonight, when the Musical Director will be present.

### MANDOLIN CLUB

Nearly all the members of the Mandolin Club reported for rehearsal at the Union yesterday afternoon. Although the meeting lasted but a short while, a large amount of work was accomplished and the management was well pleased with the way the men turned out the music.

President King wishes that any man who can play a trap drum report to him for that position at once, as it is still vacant.

Only two weeks and two days to Field Day.

1918 Wrestling Practice. Gym.



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**CLASS NOMINATIONS**  
(Continued from Page One)

in Huntington Hall, at which the results of the elections for the three upper classes will be announced. Scully, '15, will be in the chair until the newly elected Senior President is named; and I. B. McDaniel, '15, will preside at the piano.

Of the nominees for Senior President, M. B. Dalton was class treasurer during his freshman year, Chairman of the Summer Camp Student Council and General Manager of the Camp Minstrel Show, Manager of the Glee Club, and member of the Junior Prom Committee. He is a member of Phi Gamma Delta and of Osiris.

Guernsey A. Palmer has been Treasurer of THE TECH and of the Mechanical Engineering Society, Secretary of the Finance Committee, and member of the Institute Committee. He is a member of Pi Delta Epsilon.

G. R. Urquhart has been a member of the Track Squad, member of Technique Electoral Committee, and Business Manager of Technique 1915. He is a member of Sigma Alpha Epsilon and of Osiris.

—1915—

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—1916—

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C. W. Lawrance

**Institute Committee**

**CONCLAVE**

(Continued from Page One)

the story of "The Masked Ball," the opera that is to be given Friday night. He then presented Mr. de Silver, Miss Alice Gentle and Mr. Sacchetti, all of the Boston Theatre Opera Company. Each responded with operatic selections which were very much appreciated by the audience. After a regular M. I. T. for the Opera Company, the meeting adjourned.

Dress for the affair Friday evening will be strictly informal.

**SWIMMING TEAM**

(Continued from Page One)

Graves, '16, was elected manager of the team and J. M. Hanley, '18, was chosen assistant manager. It was decided that instead of electing a captain at present Manager Graves would perform his duties and he wishes to see all men who were not present at the meeting but who are interested in swimming.

W. T. Farthing  
F. B. Hastie  
T. C. Jewett  
Wm. Shakespeare  
M. I. T. A. A.

**Executive Committee**

E. H. Clarkson  
J. R. Freeman  
G. H. Gaus  
N. MacRae  
D. L. Patten  
B. Stetson  
E. L. Kaula

—1917—

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H. L. Wood

**Institute Committee**

E. P. Brooks  
S. C. Dunning  
P. L. Hunt  
L. I. Noyes

N. E. Tourtellotte  
M. I. T. A. A.

F. Bernard  
M. C. Brock  
A. T. Canby

K. H. Day  
H. B. Gardner  
A. C. Litchfield

J. H. Stag  
W. W. Rausch  
W. C. Wood

(Continued on Page 6.)



College men are getting wiser every day.

They're getting over the expensive custom tailor habit.

They see the wisdom of making their allowances go further without sacrificing Style, Fit or Quality in their suits and overcoats.

The orders we get here at the Institute prove it.

At the Lower Tech Office again Friday, October 30th.

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STRICTLY ITALIAN CUISINE

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*Young Mens Hats*  
*for Every Occasion*  
**COLLINS & FAIRBANKS COMPANY**  
 383 WASHINGTON STREET - BOSTON

**ENGINEERING SOCIETY INVITES TECH MEN**

Manufacture Of Electric Cable Will Be Chief Topic Discussed.

The first meeting of the Boston Section of the American Institute of Electrical Engineers for the 1914-15 season will be held this evening, in the auditorium of the Engineers' Club. The topic to be discussed will be "Electric Cable Design and Construction." The chief paper of the evening will be an illustrated description of the manufacture of insulated wires and cables by a representative of the Simplex Wire and Cable Company of Cambridge. The paper will not be confined to the practice of this company, but will discuss broadly the various processes in the production of rubber-insulated wires and cables, including the compounding and curing of the rubber, the methods of applying to the wire, the finishing processes of braiding and leading, and the final testing of the completed product.

Following this paper will be a discussion upon factors entering the design of cables and the methods of manufacturing cables with different types of insulation. Several cable manufacturers have promised contributions to this discussion.

The society invites Technology men to be present.

**CLASS NOMINATIONS**  
 (Continued from Page 5.)

Executive Committee

- A. K. Althouse
- A. P. Dunham
- R. T. McLaughlin
- C. S. Rood
- W. A. Wood
- L. E. Wyman

**TENNIS MEETING**

Owing to the recent bad weather, the matches in the tennis tournament have been postponed. In order to rearrange the schedule a special meeting is to take place on Wednesday, Oct. 21st, in 21 Rogers. As the time for playing the matches is getting short, the officers desire that every member be present.

**FACULTY NOTICE**

Second Year English—Mr. Colles-ter's section meeting Wednesdays at 9 (Course VI: L-Z) will meet in 23b Lowell instead of 24 Lowell.

Seats of "Passing Show" in Rogers Corridor. Every day, one to two, this week and next.

**Richards School of Dancing**  
 30 HUNTINGTON AVE.  
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 Classes Mon., Wed., and Fri.  
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 Private lessons by appointment  
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**Tech Union Dining Room**

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Run on a Co-operative Basis for Benefit of Students.

Buy a Book of Coupons and Save 10%

**COMMUNICATION**  
 (Continued from Page 2.)

the choice of forfeiting either his school spirit or his sense of propriety that he may satisfy the desires of a few to satiate their love for the vulgar.

The tickets are now on sale, and matters are progressing in such a manner that nothing could be done this year, perhaps, but could not some supervision over the choice of the TECH NIGHT show be had, insofar as the school itself is judged by the choice of their committee?

Sincerely yours,

O. R. F.

**TECHNOLOGY MONTHLY**

The office hours of the Technology Monthly will be 4 to 5 every week day and 4 to 6 on Mondays, Wednesdays and Fridays in the new office which has been partitioned from the Technique office.

Old Established Dining Room  
 33 SAINT BOTOLPH STREET

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are an evening dress necessity.

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