

# THE TECH

VOL. XXX. NO. 122

BOSTON, MASS., SATURDAY, APRIL 1, 1911

PRICE TWO CENTS

## MEETING OF THE CIVIL ENGINEERING SOCIETY

**Trip to Cape Cod Canal on April 15.**  
Boat Leaves at 7.00 A. M. can You Catch It?

**MR. C. L. NORRIS, 1890, ADDRESSES SOCIETY**

Talks on the Experiences of a Town Engineer. Tickets for Canal Trip on Sale Now. Are Going Fast.

Yesterday afternoon the Civil Engineering Society listened to a very interesting informal talk, by C. L. Norris, 1890, Town Engineer of Hyde Park, on the "Experiences of a Town Engineer". Before introducing Mr. Norris, Pres. Hausman spoke regarding the reception given next week by the Boston Society of Civil Engineers, to the engineering students of Technology, Harvard and Tufts, and also in regard to the trip to the Cape Cod Canal. This trip will take place on Saturday, April 15. Those who are going will take a boat from the foot of Summer Street at 7 A.M. By the way, can a Tech man get up early enough to catch a 7.00 A. M. boat? The tickets limited to 150, are out now and will be sold to those who have registered for them. As there is a large waiting list, any ticket left over at the end of the week, will be sold to those on that list.

Mr. Norris first spoke on the difference between the positions of city and town engineer, the city engineer delegating his work to others, and himself practically only a figure head, the town engineer being in actual charge of the work. He brought out strongly the difference between municipal and private work, that a municipal engineer must know everything and answer any and all questions, or be considered incompetent and impudent, while a private engineer must refuse to answer questions, or be considered equally incompetent. He spoke of a great many phases of the town engineers work—bridges, pavements, sewers, sidewalks, buildings and many others. He brought out a great many practical points of engineering about which students hear little, inspection, contracts, legal difficulties and dealings with the aldermen and city officials, for action among others. He spoke of wooden bridges and of the difficulty of building good ones today.

## FRESHMAN START

### BASEBALL PRACTICE

**More Material Needed for a Champion Team; All out Today at two**

On Thursday, the Freshman baseball team held its first practice at the field. The lack of material was plainly shown. The manager needs more men to bring out a winning team. All positions are open, and infielders are especially needed. Practices will be continued Monday and Thursday of each week out at the Field at 4.30. There is to be an especial important practice today at 2.00 P. M.

Of the men who showed up at the first practice, those who did best were Stork, the captain of last years' Freshman team at Amherst, Langdon, captain of the University Preparatory School's nine last year, Perly, Whitcomb, Collins, Long, Coram, Russell, and Gardener.

The entire schedule is not yet made up because of the late start. The first game is to be a practice one with Dorchester High at an early date, yet to be announced.

## DEATH OF MRS. ELLEN H. RICHARDS, TECHNOLOGY'S FAMOUS WOMAN SCIENTIST

**First Woman to Study at Technology Graduated from Vassar and M. I.T. Instructor in Sanitary Chemistry for 25 years. Her Writings and Researches Known all over The Country.**

**Funeral to be Held Sunday at Trinity Church**

**Faculty and Students Feel her Death Keenly. Respected and Loved by all who knew Her.**

Mrs. Ellen H. Richards, for more than 25 years instructor of sanitary chemistry here, died at 9.25 Thursday Evening at her home, 32 Eliot St., Jamaica Plain. Although Mrs. Richards has been ill for some time, her death was very unexpected. But a short time ago, she celebrated her 68th birthday, and at that time she was in the best of spirits and exceedingly active.

In speaking of her yesterday, Dr. Maclaurin said, "Mrs. Richards, of the class of '73 was the first woman to graduate from the Institute. She has been connected with Technology ever since and has done as much as anyone to extend its influence throughout the country. She has been a tireless worker throughout all these years, absolutely regardless of her own ease, and whole hearted in her devotion to great causes. She has gone all over the Union and by her pen and speech has done great things to promote advancement of women and the general uplift of humanity. Her personal influence has been quite remarkable. I have met people in the far West, who spoke of her as a prophetess and regarded the meeting with her as an intellectual birth. Hers was a character of unusual force and strength. She was brave, patient, steadfast, ever a worker, and indeed a fighter in the best sense of the term. She continued to work to the last even when stricken with a mortal disease and within the last few days she finished an article for the Congress of Technology.

It had been planned to honor her in an unusual way in this year of Jubilee, but that was not to be. Her name and her memory will forever be held in honor and respect by all who came in contact with her inspiring personality."

Funeral services of Mrs. Ellen H. Richards, who passed away at her home in Jamaica Plain, at 9.25 Thursday night, will be held Sunday afternoon at 2.30 in Trinity Church in Copley Square.

The Episcopal Service will be used with no special music other than is necessary in the regular form of services. The services will be without addresses and every precaution will be taken to make them as simple as possible, it being the wish of Mrs. Richards in harmony with her entire life to maintain as far as possible serene simplicity.

Special pews will be reserved for Fellows Faculty, and the instructing staff of the Institute with their families. Directly in back of this reservation will be a special section reserved for the under graduates of the Institute.

In line with Mrs. Richards teachings and scientific works for the uplifting and benefitting of humanity, it is her request that her body be cremated. This request was the result of a long patient and careful investigation in sanitary science, hygiene and the welfare of Humanity, will be

## RESULTS OF ELECTION OF 1911 CLASS DAY MARSHALS

### 1911 CLASS MARSHALS

Theodore Bissell Parker  
Orville Boardman Denison  
William Coyne Salisbury

Total ballots cast 144  
(Ten less than at Class Day Election).

#### Result.

- |                             |    |
|-----------------------------|----|
| 1. Theodore Bissell Parker  | 71 |
| 2. Orville Boardman Denison | 43 |
| 3. William Coyne Salisbury  | 39 |
| 4. Lloyd Cartwright Cooley  | 28 |
| 5. Richard Hartshorn Gould. | 20 |

At the recent election for 1911 Class Day Marshals, Theodore B. Parker, Orville B. Denison and William C. Salisbury were elected. All three men are popular members of their class and very prominent in Institute activities. Parker played on the varsity Basketball and Tennis Team in his freshman year, was vice president of his class during his second year, was Professors Editor of Technique 1911 and this year Captain of Varsity Basketball and Tennis Teams.

Orville B. Denison has been prominent as a song and music writer for the Tech Show, served on the Technique Electoral Committee, last year was a member of the Tech Board, grind Editor of Technique and Class Secretary.

William C. Salisbury has been very prominent in athletics being captain of his Class Relay Team and a member of the Varsity Relay. He was class president in his sophomore year, and statistician of Technique 1911, in his third. He is now captain of the Technology Track Team.

The total number of votes cast was 144. Below is the list of candidates in the order of finish:  
Theodore Bissell Parker.  
Orville Boardman Denison.  
William Coyne Salisbury.  
Lloyd Cartwright Cooley.  
Richard Hartshorn Gould.  
P. D. White; G. B. Wilkes; C. H. S. Merrill; I. W. Wilson; S. B. Copeland; C. S. Anderson; H. C. Davis Jr; H. F. Dolliver; R. H. Ranger; K. Greenleaf; L. G. Odell; W. W. Warner; H. D. Williams; H. M. Davis; M. A. Grossmann; H. S. Smith; C. P. Kerr; J. C. Fuller; J. L. McAllen; E. C. Vose.

carried out and her ashes laid at rest in the Mount Auburn Cemetery.

In a short time as soon as arrangements can be completed, a monstrous Technology memorial meeting in memory of their beloved woman instructor—the dean of American woman scientists will be held at Tech.

The honorary paul-bearers are Dr. Maclaurin, Dr. Roger S. Williams, Dr. Noyes, Dr. Henry P. Talbot, Dean Burton, and Sec. Merrill.

The burial at Mount Auburn Cemetery will be private attended only by immediate relatives of the family and a number of representatives from the Institute.

Among the organizations for which provision is being made for pew accommodations at the church are as follows:

American Home Economic Association, of which Mrs. Richards was president.

M. I. T. Woman Association of which she was president. Boston Branch of the Association of Collegiate Alumnae of which Mrs. Richards was past president.

Vassar Alumnae of which she was past president.

The following organizations in which the eminent Technology Scientist took an active part in their membership will also be present in a body:—College Club of Boston.

N. E. Home Economic Association.

The National Educational Association.

American Chemical Society.

Cleofan.

American Institute of Mining Engineers.

## FINANCIAL STATEMENT

### FRESHMAN CLASS

**Names of Delinquents to be Posted on Bulletins after April 17th**

### IN NEED OF FUNDS

Men are Urgently Requested to pay up—Support Badly Needed.

At the Freshman Class meeting yesterday, it was voted that the financial report of the class be published. It is hard to realize how many of the Freshmen activities are held up and seriously embarrassed because of the delayed payment of dues, their practically only source of revenue. The managers of the various teams cannot bring forth a winning team unless financially supported, and so, as a last resort, the Treasurer will after the 17th of April, cause a list of the names of the men who have not paid up to be posted in conspicuous places

The Treasurer's report of the class's standing:

Receipts	
1910.	
Sept. 28,	Collection at Class Meeting \$16.21
Oct. 31,	Guarantee for Football Games 19.00
" 31,	Dues for the Month 13.50
Nov. 30,	From Major Briggs for Field Day 75.00
" 30,	Dues for the month, 132.00
Dec. 31,	" " " " 9.00
1911	
Jan. 31,	" " " " 10.50
Feb 28,	" " " " 28.50
Mar. 30,	" to date 36.00
	<b>\$339.71</b>

Expenditures	
Oct. 22,	Traveling Expenses of Football Team 27.60
Nov. 3,	Megaphone 1.00
" 3,	Banner 3.00
" 4,	Tech Night 15.00
Dec. 7,	Football Coach 100.00
" 7,	Confetti (express) .35
" 7,	Balloons 2.10
" 7,	Postage .60
" 21,	Jordan, Marsh & Co. 3.33
" 21,	Flowers Tech Night 8.00
" 21,	Posters, printing etc. 6.07
Feb. 14,	Ballots cards, and posters 34.50
" 21,	Wright & Ditson 50.00
Mar. 24,	" " 40.00
" 29,	Dues of Class to Institute Com. 6.00
" 31,	Record books and postals 1.16
" 31,	Telephoning, postage. Football 1.90
	<b>\$300.61</b>

Total Receipts \$339.71  
" Expenditures \$300.61

Money on hand \$39.10

**Outstanding Bills**  
Wright and Ditson \$99.31  
The Union \$19.00

Total \$118.31  
(signed) Paul B. Owen.

Dues may be paid to:

- T. K. Krueger.
- A. H. Waitt.
- A. R. Stubbs.
- P. Taylor.
- A. C. Dorrance.
- H. A. Mayer.
- H. L. Stone.

The names of those who have not paid will be posted April 17th.

**APPLICATIONS FOR SHOW TICKETS MUST BE IN TODAY.**

# THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 29, 1910, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

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In charge of this Issue D. A. Tomlinson 1912

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All communications should be addressed to the proper departments.

Subscriptions \$2.00 per year in advance. Single copies 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Maugus Printing Co., Wellesley, Mass.

SATURDAY APRIL 1, 1911

### A Correction.

THE TECH regrets that the article in yesterday's issue headed "Foss vs State Aid" was incorrect and misleading. President Maclaurin called the attention of *The Tech* to the fact that the Governor's recommendation of the payment of \$29,000 to the Institute is merely a matter of routine business, it being the approval of the last payment to be made under the grant of ten years ago. The person who wrote the article was entirely in misapprehension of the facts of the case, for the Governor made no statement whatever in regard to the desired grant of \$100,000.

### Our Severe Loss

The death of Mrs. Richards yesterday came as a severe blow to all with whom she had ever come in contact, and to more than her many friends here at the Institute. Though her interests were by no means limited to Institute affairs, her entire life was at all times intimately connected with the life of Technology. As the first woman to receive a degree from the Institute, as the most enthusiastic worker for the woman students at the Institute, as the only woman instructor here, as the active and tireless worker in the department of Sanitary Chemistry, as the co-author of text books in daily use, Mrs. Richards life was closely bound to the Institute and the best part of her life was devoted to the interests of Technology.

The mere cold recitation of the many things that Mrs. Richards has done for the Institute and its students, can not begin to show the warm place that Mrs. Richards holds in our hearts. The kindly invitations from Professor and Mrs. Richards to their students, gave many of us an opportunity to know them in their own home and to realize more fully the sweetness as well as the strength of her character, and to appreciate her wonderful and inspiring personality. Living her entire life unselfishly for the uplift of humanity, her influence will always live as an example for us to follow. *The Tech* wishes to voice the sincere sympathy of the student body to Professor Richards in his bereavement.

### HARMONY PERSONIFIED IS SHOW CHORUS

Coach Sanger is again on the scene and with the several corrections to the book, well rehearsed, matters are progressing in a very gratifying manner. Yesterday afternoon, the whole play was gone through and this program will be repeated to-day. The men are catching the spirit infused by Mr. Sanger's intense energy. They have now mastered their parts fairly well but there is still some room for improvement in this respect. Those who have been fortunate enough to follow the course of the rehearsals are enthusiastic in the extreme. Indeed, the dialogue is full of little passages, that can not fail to bring down the house.

J. M. Hastings is working out his part of Phil Van Veen in a manner warranted to give anyone points on fusing. His singing, also, is one of the features of the show.

J. H. Smyth, the other delegate from Hamilton College is doing wonders in the pretty girl line. Those who remember C. H. Beldon's achievements in this line will realize what can be done in such a transformation. Smyth has cultivated a most bewitching dimple and aside from being the prettiest girl Tech Show has ever had, ought to make even the feminine part of his audience jealous. C. P. Carr, who starred last year as Roberta Schliek, makes a very close second in a quintette of beauties.

S. H. Godgman, as Dick Wells is taking hold of his rather difficult part very successfully. He sings some very good songs and has a duet with Dolly Carter, alias Smyth, which is more than worth listening to.

The dances of the chorus are progressing rapidly to the accompaniment of a rapid fire of sometimes sharp but always interesting remarks from Mr. Sanger. The opening chorus and ensembles are very complicated, and prettily worked out this year. During the week, Mr. Kanrich has been teaching the men to sing harmoniously and put the accent on the right words.

### COMMUNICATION

The headlines of the article which appeared in yesterday's Tech concerning the Alumni Banquet and Smoker were in a measure misleading, especially to anyone, who merely glanced them over and did not carefully read the article itself. The misleading ideas conveyed were that undergraduates are to be allowed to participate in the Smoker and that the tickets for the same are fifty cents. It should be emphasized that of the undergraduates, only the Seniors are to participate directly in the Banquet and Smoker, and that tickets for the Smoker are one dollar, and those for the Banquet are five dollars. The Banquet ticket, however, includes the privilege of attending the Smoker.

On the other hand any member of the undergraduate body may attend either affair as an onlooker from the balcony, and balcony tickets for each event are fifty cents. These balcony tickets may be obtained at the Information Desk in Rogers.

C. R. Johnson, 1911.  
For the Alumni Ass'n.

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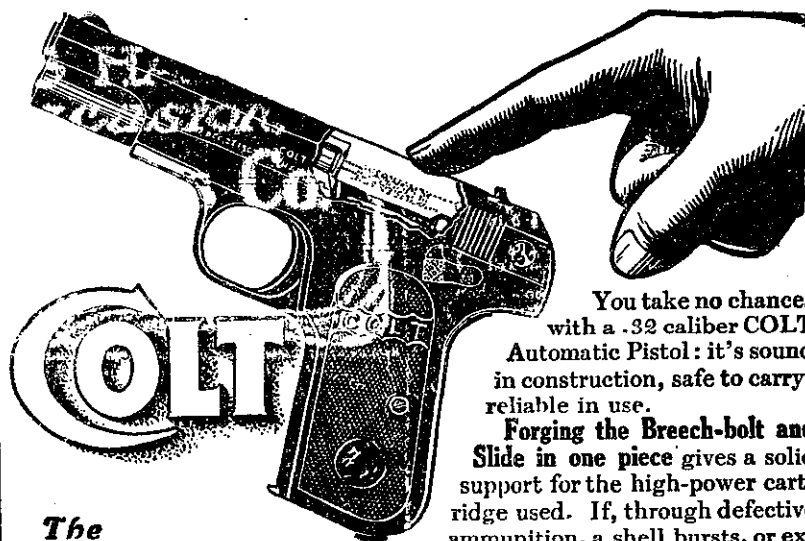
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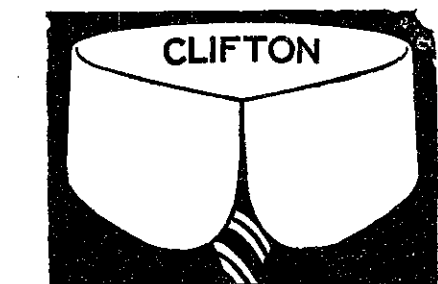
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**COMMUNICATION**

To the Editor of *The Tech*:  
The sudden death of Mrs. Ellen H. Richards has so saddened all of her associates that it is difficult for us, as yet, to give such expression to our feelings, or to pay such tribute to her attainments and worth, as we would wish. I should like, however, to have you give me space for a few words of appreciation.

Mrs. Richards came to the Institute from Vassar College, where she had graduated in 1870 having been a student of astronomy under Professor Maria Mitchell. Her interest was early enlisted in Chemistry and she graduated from the Chemical Course in 1873; after which she devoted herself for a number of years partly to teaching and largely to the general analytical and consulting practice of Professor John M. Ordway and to the sanitary work of Professor William Ripley Nichols, (for whom our chemical library is named.) Their work during this period was pioneer work, especially that along sanitary lines, demanding originality of thought, skill in execution and breadth of outlook in interpretation. This work furnished the inspiration as well as the foundation for the then unequalled undertaking of the State Board of Health of Massachusetts in the examination and safeguarding of its public water supplies, carried on for a number of years at the Institute, under the immediate charge of Professor Thomas M. Drown, but with the co-operation of Mrs. Richards at every point. This work has become a classic in its field and imitated by other states and countries.

From 1876 to 1883, Mrs. Richards was identified with the Women's Laboratory, associated with the Institute and established to afford greater opportunities for the education of women, and was the guiding spirit of that work. Since 1883 Mrs. Richards has had charge of the instruction of the chemistry of air and water supplies, and for much of the time of that of food supplies as well, given to the Institute classes. It is impossible to measure in any conventional terms what her service in this field has meant in incentive and inspiration, to many workers not to mention the results of the routine instructional work, for which her earlier experiences had so richly prepared her. Her consulting practice was also extensive.

This would seem to represent the full requirement for a life's work, but Mrs. Richards was probably still more widely known for her work for the uplift of her fellow beings, and few are better entitled to lasting gratitude than she. For a quarter of a century she has labored constantly in behalf of the development of the opportunities for the education of women, and in the interests of those associations and societies having a like purpose. In the more recent years, Mrs. Richards has given more and attention to questions relating to the conservation of human energies and human life, and her constant efforts to help families of small means to better utilize their resources have borne much fruit. She had become a recognized authority in the matter of dietaries and was the official adviser of many public and private institutions. And, during all of this activity she found time to write extensively in the field of chemistry and of home economics.

It was a matter of great gratification to all of Mrs. Richards' friends. That Smith College conferred upon her, last June the honorary degree of Doctor of Science.

This was a deserved recognition of her achievements in chemical science, and in home economics. It will now remain for us to endeavor to find some adequate method of recognizing her unselfish devotion to all that she regarded as worthy of her approval. The Institute has had no more loyal or self-sacrificing officer or graduate than Mrs. Richards; no pupils could have a more devoted teacher. No one will ever fully know how many students, lonely or discouraged have been enheartened through her kindness, nor how many financial barriers have fallen away because of her generosity.

Always a tireless worker, without thought of herself, she literally wore herself out in the service of others, nearly the last remnant of her strength having been put into her last public speech. All mankind has suffered through her death, and unnumbered friends, the world over, will mourn her loss. To us of the Institute, and particularly of the Chemical Department her death brings the added deep sorrow of broken ties, born of long association in mutual effort for a beloved cause and, no words can adequately express our sense of personal loss.

H. P. Talbot.

**FATIMA**

**TURKISH BLEND CIGARETTES**

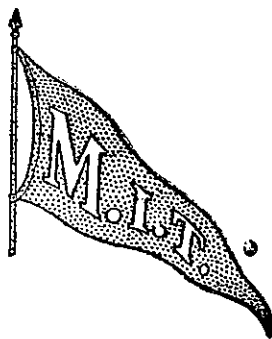
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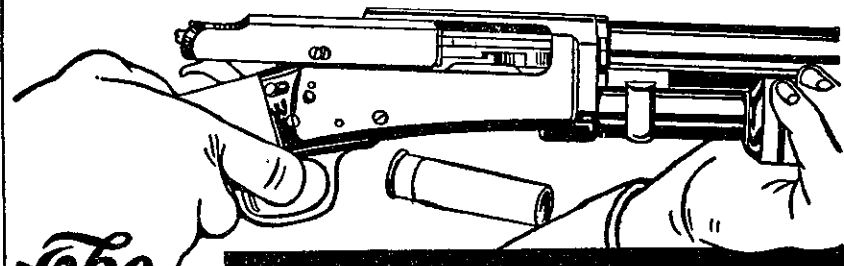
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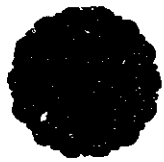
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NOTICES AND CLASSIFIED ADS.

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**1913**  
The 1913 Class Track Team manager will be elected Tuesday, April 4. All nominations must be left at the Cage in the Union for L. C. Hart before that date. Nominations to be signed by ten (10) members of the class.  
S. M. Baxter, Clerk.

**LOST**  
Second year Survey Field Note-book. Finder leave at Cage for B. F. Thomas Jr. and oblige. (121-2t-p)

**TWENTY FIVE CENTS**  
The Tech will pay a quarter for issue 137, April 9, 1910. Leave the paper at the Cage and get your quarter from Charlie.

**NOTICE**  
Any member of the Glee or Mandolin Clubs who is absent or late to any rehearsal for the balance of the season, will be barred from the Symphony and Spring Concerts. All rehearsals begin at 4.15 sharp.  
For the Management,  
(signed) H. K. Franzheim  
P. L. Caldwell  
S. W. Selfridge

**Lost**—Moore Non-Leakable Fountain Pen. Finder please leave at the Cage for A. E. Howlett, '13.

**DRAWING DEPARTMENT**  
Week of April 3  
Descriptive Geometry  
Constructions 2 and 3 (2½ hours.)  
Mechanical Drawing  
The "Chain and Sprocket" will be called in after 1½ hours work on it. The Hand-rail stud will be begun.

**MANDOLIN SEXTETTE**  
ENTERTAINED  
Banquet Given by Baptist Church Mens Club, Musical Numbers

Thursday night the M. I. T. Mandolin Sextette composed of Applequest, Richard son, Denton, J. J. Holmes, and E. C. Taylor went to Needham at the special request of Professor Haven, to play at a church banquet. On arrival they were treated to an excellent and hearty Turkey dinner,—with all the usual extras. The sextette then rendered their numbers while the banquet was in progress, all the numbers being heartily applauded. The Church vocal quartette, on which Prof. Haven is the bass, rendered some very fine selections. The evening was much enjoyed by all.

**MUSEUM OF FINE ARTS**  
Free Docent Service  
Sunday, April 2, 1911  
Department of Western Art  
Rev. Arthur T. Connolly will speak on  
The Baptistery Doors by Lorenzo Ghiberti in the West Court at 3. P. M.  
Lecture Hall  
Mr. Huger Elliott  
Director of the Rhode Island School of Design will speak on  
The Museum of the School at 3.45 P. M.  
with lantern illustrations  
**CALENDAR**  
Saturday, April 11.  
2.00—Orchestra Rehearsal—Union.  
2.35—Intercourse Cross Country—Back Bay Station.



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