

# THE TECH

VOL. XXXII. NO. 73

BOSTON, MASS., THURSDAY, JANUARY 9, 1913

PRICE TWO CENTS

## PROPOSED ASSOCIATION OF UNDERGRADUATES

**By-Laws to Constitution Coming Before Student Body for Consideration.**

At the All-Technology dinner which was held in the Union, December 9th, 1912, H. D. Peck read to the students who were there a draft of a constitution for proposed organization of the student body. This constitution is printed below in full, for the Institute Committee desires that it receive much careful thought from the student body, so that it may be thoroughly criticized and be quite familiar to the men before any vote is taken as to whether it shall be accepted.

Up to the present time the committee has received no criticism other than the remarks made to individual members, that it is hard to pick flaws in the constitution itself. But tomorrow, at the Institute Committee meeting, the by-laws to this constitution will be presented to the student body, and these, taken in connection with the body of the constitution, may provoke considerable interest.

The constitution reads as follows:

### CONSTITUTION of the

#### M. I. T. Undergraduate Association. Preamble.

Whereas, It seems wise that all activities among the students of the Massachusetts Institute of Technology should be so organized and conducted as to work for the good of the student body as a whole and for the welfare and renown of M. I. T., it is fitting that some central organization, chosen and controlled by the student body, should, as representing that body, have and exercise general powers of supervision over all individual activities in so far as they affect the student body as a whole.

To this end it seems necessary that the entire body of undergraduates should be brought together as a unit in order that legislation and executive powers may be transferred upon such a central body as is mentioned in the preceding paragraph. It is, therefore, enacted by the undergraduates attending the Massachusetts Institute of Technology (Continued on Page 2.)

### FRESHMAN TRACK.

**Freshmen to Meet Lowell High—More Candidates Wanted.**

Arrangements have been made for a dual meet on February, the fifteenth, between the Lowell High and our Freshman track teams. No definite arrangements have as yet been made, but it is probable that 600 and 1000-yard races will be run instead of the usual 440 and 800-yard races. All other events will doubtless be similar to those run in the meets here. These events include the shot-put, high jump, pole vault and the 30-yard dash. A complete list of the events, as well as the place of the meet, will be published as soon as the final decision has been made.

Coach Kanaly wants every man who possibly can to come out for the team. It is not necessary to have gone out for any relay team, nor to be taking track at the present time to be eligible for the trials. These latter are open to all Freshmen who come out, and offer lots of opportunity for some good, healthy work.

## MANY HAVE ENTERED INTERCLASS MEET

**Fast Field in 30-Yard Dash and Half-Mile Run—Several Good Jumpers.**

Already about thirty entries have been received for the interclass meet on Friday night, at 8 o'clock, and doubtless many more will be received today. It is possible that the number of men allowed to enter the events will be limited, in order to expedite running off the meet. If so, an announcement will be made concerning it in THE TECH tomorrow morning.

This meet is an entirely scratch affair, and is the biggest indoor event of the Institute. It also gives an opportunity for the different classes to show their athletic ability by scoring the largest number of points. In addition to winning glory for their class the winning men will also be the recipients of their numerals. This is an especially inviting chance for the Freshmen who have not yet been able to win numerals in track work. There is also a good deal of rivalry among the Freshmen to be the first to win numerals in track work.

Some of the best of the entrants to date are: 30-yard dash, Huff, Wilkins, Wilson and Bolton of the Juniors, H. B. Smith, '15, and K. Dean, '16; 40-yard hurdles, Huff, '14, and Curtis, '15; 440-yard dash, Huff, '14, and Bolton, '14; 880-yard dash, C. S. Lee, '14, Nye, '14, Palmer, '13, Hill, '15, and Dean, '16; mile, Benson, '16; Palmer, '13, Nye, '14, Shedd and Lee, '14; high jump, Hall, '14, McKinnon, '14, and Teeson, '15.

### FINANCE COMMITTEE.

**Important Meeting Tonight in the Union at 6.30 O'clock.**

Tonight the Finance Committee holds its regular January meeting in the Union, at 6.30 o'clock. Attendance at this meeting is important as the secretary has many important matters which must be settled as far as possible at this meeting. The proposal that the Finance Committee aid the class treasurers to collect dues will be brought in a definite form before the committee tonight. The meeting will follow a supper in the Union at 6.30, and any member of the committee who does not come to the meeting, and does not notify C. W. Brett that he will not come, is expected to pay fifty cents, according to a ruling made by the committee.

### CHESS CLUB ELECTIONS.

**Officers for Second Term Elected at Meeting Yesterday.**

Yesterday afternoon the Chess Club held a business meeting in the Union at 4 o'clock. The following men were elected officers of the club for the second term: The new president of the club is L. B. Hoyt, '13; the vice-president, H. T. Chandler, '15, and the secretary treasurer is W. E. Merrill, '13. The three other men who form with the above officers the Executive Committee of the club are C. E. Norwood, '14; I. Paris, '14, and R. D. Brown, '14. It was decided to postpone all other business until the beginning of the second term.

## REV. CUSICK SPEAKS BEFORE CATHOLIC CLUB

**Gives First of Series of Talks On "Evolution"—Large Attendance.**

Yesterday evening, at half-past six o'clock, about seventy men, members of the Catholic Club, and men interested in the series of talks which the club is conducting, met in the smaller room in the Union, and after enjoying the dinner prepared by Steward Colton, they gave their attention to the Rev. Peter F. Cusick, S. J., who gave the first of three talks on "Evolution."

Rev. Cusick said that it would be his endeavor to translate the meaning of the word "evolution" and to show just what the attitude of Catholicism toward it was. First, he showed very clearly how the word in question was used in literature in four distinct meanings. The first meaning of evolution is that translated by many as Darwinism, that is, the theory of evolution as set forth by Darwin in his book on "The Origin of Species." In this book Darwin expressed his opinion that all the species in the animal and vegetable kingdom originated from one primitive form. Now, as far as scientists know, there are at present over 250,000 species of insects alone. The question then arises, what was the origin of all these? There are two answers that may be given: First, that they were originated through the omnipotence of God, that He created each species individually; and second, that God first created a certain number of species, and that the present large number developed from these. These are two answers that do not contradict the religious beliefs of modern Catholicism.

As said before, Darwin maintained that all the species came from one. He denied the creation of all. Consequently, he set forth to explain how they were created. His theory was that they were produced by natural selection. To illustrate this point, Rev. Cusick cited the illustration given by Darwin; the story of the giraffe's long neck. It is somewhat like the following: Years ago the animals of this species perished except a few, which were fortunate enough to possess necks long enough to reach the foliage of the trees. Then another fortunate thing happened; one of these long-necked giraffes met another which was in very similar circumstances. (Continued on Page 2.)

### FRATERNITY MEN.

**Technique Wants Names of Men From Other Colleges.**

The Technique Board requests that all fraternity men who are not members of Technology chapters would please hand in their names with the name of their fraternity, and also the college where they were active members. These names may be handed in at the Cage or Technique office. It is desired that the men do this right away so as to enable the Board to complete the list for the printers.

More grinds are needed for Technique. February 12th is the final date for them to be in, so if you hear or say anything funny or humorous help the Technique out by writing it out and sticking it in one of the Grind boxes placed about the Institute buildings.

## PRELIMINARY TRIALS FOR TWO-MILE RELAY TEAM

**Coach Kanaly Picks First Twelve Men at Trials Yesterday Afternoon.**

Yesterday afternoon, in the Gym, were held the trials for the two-mile relay team. About forty men ran in these trials, and the times were very good. Besides those who took trials yesterday there are a number of others who will take their trials at a later date. Among these is Bylund, a member of last year's team, who is expected to be one of the stars again this year.

The trials were run two men at a time, which lessened the time for running them off, and caused the men to do better than if they had run alone. The trials were also of more interest to the spectators than when each man runs alone. Benson and Hill, who ran together, had a very pretty race, and made very good time. Huff was going good, and would, no doubt, have made excellent time but for the fact that he had an unfortunate fall at one of the corners of the seventh lap. Aside from this there were no accidents.

The men who made the fastest times, arranged in alphabetical order, are: H. S. Benson, '16; A. T. Curtis, '15; K. Dean, '16; E. E. Gagnon, '13; E. B. Germain, '13; C. T. Guething, '16; M. E. Hill, '15; A. F. Nye, '14; Page, '16; G. Roper, '16; A. R. Stubbs, '14, and L. H. Zepfer, '15.

Coach Kanaly also announces that no cut has been made in the squad, and those whose names do not appear here are expected to continue in their work as usual. The final trials will be held on Wednesday, January 22. Owing to the fact that the interclass meet is to be held on Friday night of this week, there will be no meet on Saturday afternoon, but the regular practice will be held.

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Boston, Mass.,  
January 3, 1913.

The class in Knots and Splicing meets on Tuesday, from 10 to 11, and on Wednesday, from 4.15 to 5, in Huntington Hall, and on Friday, from 10 to 11, in Room 44 Rogers.

WALTER HUMPHREYS,  
Registrar.

### WEATHER.

Forecast for Boston and vicinity: Clearing and colder; moderate variable winds, becoming westerly and increasing.

### CALENDAR.

Thursday, January 9, 1913.  
1.10—Professor Talbot Talks on Course V—6 Lowell.  
4.00—Professor Goodwin Talks on Course XIV—2 Walker.  
Friday, January 10, 1913.  
1.00—Professor Walker Talks on Course X in 11 Eng. B.  
1.30—Professor Richards Talks on Course III—2 Rogers.  
4.00—Professor Spofford Talks on Courses I and XI—49 Eng. A.  
4.15—Institute Committee Meeting—8 Eng. C.  
8.00—Interclass Meet—Gym.

# THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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

## MANAGING BOARD.

A. T. Gibson, 1913.....General Manager  
B. H. Taylor, 1914.....Editor-in-Chief  
B. E. Adams, 1915.....Business Manager

## NEWS BOARD

M. Paris, 1914.....Institute Editor  
H. Rogers, 1915.....Societies Editor  
P. J. Munn, 1915.....Exchange Editor

## NEWS STAFF.

S. Berkowitz, '15...T. W. Burkhart, '15  
E. A. Weaver, 1915...R. E. DeMerritt, 1916  
D. N. Test, 1916...E. H. Towasend, 1916  
G. W. Wyman, 1916.

## BUSINESS BOARD.

L. C. Lamb, 1915.....Adv. Manager

Office Hours of Managing Editor:  
8.40 to 9.00 A. M. daily. 1.30 to 2 P. M.  
Except Thursdays and Saturdays.  
Office Hours of Business Manager:  
8.30 to 9.00 A. M. Daily.  
Office Hours of Editor-in-Chief:  
5.30 to 6.00 P. M. Daily, Except Saturday.

Office, 42 Trinity Place.  
Phone—Back Bay 5527 or 2180.  
Night Phone—Back Bay 5527.

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.

THURSDAY, JANUARY 9, 1913

All men who were at Tech last year will remember the several changes which they noticed in the Union on returning to school in October. Among other things they found the walls of the lavatory repainted, giving it a more sanitary appearance and, what was a far greater advantage, they found that individual hand towels had been supplied in place of the old roller towels, which were always more or less unsatisfactory. These towels were not provided for polishing shoes, or for cleaning fountain pens; neither were they intended to be tossed on the floor, just because you didn't happen to "make a basket" from across the room. We can at least be more thoughtful in the use of these facilities and not abuse our privileges. At the same time we might suggest that it would help matters if those in charge would empty the towel baskets before they become overflowing, and that a plentiful supply of clean towels be provided for the "rush hours" at noon.

Again, there are many other careless habits prevalent in the lavatories which should be stopped at once, and they are habits which do not make us feel especially friendly toward the man just ahead of us. These inconveniences can be so easily avoided that it is almost inconceivable that there are men who are so smugly thoughtless of others.

## PROPOSED CONSTITUTION

(Continued from Page 1, Col. 1.) and the following Constitution governing the student body is adopted: Technology that such a general organization should be effected, and to this

### CONSTITUTION.

#### Name of Organization.

##### Article I.

The name of this organization shall be the "M. I. T. UNDERGRADUATE ASSOCIATION."

#### Purpose of Organization.

##### Article II.

The purpose of this organization is to regulate and control the acts of the student body in relation to the Institute and to the general public, and to exercise such supervision over the several student activities as will insure that the same are conducted in the best interest of the student body as a whole and to the credit of the Massachusetts Institute of Technology.

#### Membership.

##### Article III.

All registered students at the Mas- (Continued on Page 3.)

## INSTITUTE COMMITTEE MEETING TOMORROW

Many Important Reports to Be Presented for Consideration Friday.

The Institute Committee is to hold a very important meeting tomorrow afternoon, at 4.15, in 8 Eng. C. The first matter to be discussed will be the relation of the committee to those societies which were deprived of representation at the beginning of this year on account of non-payment of their membership dues for the last two years.

Then there are many important reports of the standing committees, especially that on the Constitution of the proposed Undergraduate Association. It is expected that all of the following committees will report: Point System Committee, the Committee on Constitution and By-Laws, the Bulletin Board Investigation Committee, THE TECH Advisory Council, the Tech Show Advisory Council, the All-Technology Dinner Committee, the "Was Ist Los" Committee, and the "Concerning M. I. T." Committee.

The group picture of the Institute Committee for Technique will be taken at Notman's Tuesday.

## PEABODY COMPLIMENTED

Scientific American Prints His Speech on Tow-Boats.

The Scientific American in its last supplement pays a very high compliment to Professor Peabody. It devotes nearly two pages to a discussion of the Tech navy,—the Froude and the Fulton. The article is a popularized summary of a paper delivered by Professor Peabody before the Society of Naval Architects and Marine Engineers at its New York meeting.

Professor Peabody brought out a number of new facts. He showed that a long tow-line is about ten per cent better than a short one, one-sixth the length. This long line has about the same efficiency as if the tug were actually alongside the tow. He likewise explained that there is no reason why the traditional wide square-cornered propeller blade should be used for tow-boats as it has absolutely no advantage over the round forms. There is, moreover, no reason for the continued use of wood for the tow-boat construction; steel would do just as well.

## CATHOLIC CLUB.

(Continued from Page 1, Col. 3.) stances and which also had a long neck. Then, as Darwin says, the long-necked giraffe of today was gradually evolved by a series of fortunate circumstances like that above. This is what Darwin calls "natural selection."

Rev. Cusick then told how that theory was regarded by the Catholics. The Catholic religion does not uphold it because, first, it is insufficient, and, second, because it is contrary to fact, contrary to modern science. When Darwin was asked to explain this theory he based his reasons upon the fact that it was all chance that the giraffe met another one with a long neck. He said this reason is entirely unreasonable and is not sufficiently convincing. Later Darwin took back this explanation. And again, modern scientists, by studying the present living species and the fossil remains of those years ago, have arrived at conclusions that point to the stability of species through ages, and in some cases, to the return to old species rather than to the formation of new ones. The prime cause, then, was chance and Catholicism does not support such a weak explanation.

The speaker then referred to dis- (Continued on Page 3.)

## STONE & WEBSTER

CHARLES A. STONE, '88  
RUSSELL ROBB, '88  
ELIOT WADSWORTH, '91

EDWIN S. WEBSTER, '88  
HENRY G. BRADLEE, '91  
DWIGHT P. ROBINSON '92

JOHN W. HALLOWELL

Securities of Public Service Corporations  
Under the Management of our Organization

STONE & WEBSTER  
Management Association  
GENERAL MANAGERS OF PUBLIC SERVICE CORPORATIONS

STONE & WEBSTER  
Engineering Corporation  
CONSTRUCTING ENGINEERS

## YOU SHOULD BE IN ON THIS!

If you will buy a winter Suit or Overcoat now, you can get the best trade of your life at our

## REDUCTION SALE NOW ON.

Get 'round and see our window display. It tells part of the story. We are closing out all our fancy overcoatings and suitings at way down prices that are the talk of the town.

## BURKE & CO. Incorp. Tailors

18 SCHOOL STREET, and 843 WASHINGTON ST., BOSTON  
HARVARD SQUARE, CAMBRIDGE  
7 MAIN ST., ANDOVER, MASS. HANOVER, N. H.

*It won't leak* **MOORE'S** \$2.50 AND UP  
NON-LEAKABLE FOUNTAIN PEN

Minimize your fountain pen troubles by owning a Moore's. It is the safest, soundest and most dependable pen known. Its strength lies in its very simplicity. Nothing finiky to get out of order. You can give yourself no better treat than a Moore's Non-leakable.

For Sale by Dealers Everywhere  
American Fountain Pen Company  
444 Mass. Clothing & Fur Co. Sling Agent  
168 DEVONSHIRE STREET :: BOSTON, MASS.



## McMORROW

## College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE YOUNG'S HOTEL

## THE ADVANTAGES WE OFFER

PROGRESSIVE methods, large resources and two conveniently located, thoroughly modern bank buildings, combine to make the Old Colony Trust Company the most desirable depository in New England.

Interest-bearing accounts subject to check may be opened either at Court Street or Temple Place, and the two offices used interchangeably for the transaction of your banking business.

You are cordially invited to inspect the modern Safety Deposit Vaults at either office.

## OLD COLONY TRUST CO.

Main Office  
Court Street

Branch Office  
Temple Place

**PROPOSED CONSTITUTION**

(Continued from Page 2.)  
 Massachusetts Institute of Technology are by virtue of such registration members of this organization, such rules and regulations as may be hereinafter enacted by this organization.

**Government of This Association.**  
**Article IV.**

Section 1. All the legislative and executive powers of this Association are hereby vested in a representative body to be chosen as hereinafter provided. This body shall be known as the Institute Committee.

Section 2. All acts and decisions of the Institute Committee shall be considered to be the acts and decisions of this Association, except that on petition presented in writing by fifty (50) students, within ten (10) days of the enactment of such acts and decisions, any and all acts and decisions of the Institute Committee shall be presented to the Association for ratification or rejection, as provided in Section 3.

Section 3. On receipt of a petition as provided in Section 2, the Institute Committee shall within four (4) days issue a call for a general vote on the matter in question, the same being taken by ballot within fourteen (14) days, but not earlier than seven (7) days after the issue of such a call. Two-thirds of the ballots cast shall be necessary to annul any act or decision of the Institute Committee.

Section 4. The Institute Committee shall consist of three members of each class, of whom one shall be the Class President, the other two to be elected at large, and one from each of the following undergraduate organizations:

- M. I. T. A. A.
- Musical Clubs.
- Technology Christian Association.
- Architectural Society.
- Biological Society.
- Chemical Society.
- Civil Engineering Society.
- Electrical Engineering Society.
- Mechanical Engineering Society.
- Mining Engineering Society.
- Naval Architectural Society.
- Wireless Society.

**THE TECH.**  
 Technique.  
 Tech Show.  
 Cosmopolitan.

Section 5. Any other activity now existing or hereafter duly organized by the undergraduates may, by a two-thirds vote of the Institute Committee, be granted representation thereon, and any activity having a representative on the Committee may, by a similar two-thirds vote, be denied such a representation, provided notice of the proposed action of the Committee shall have been given the members of the activity and full opportunity granted them to present arguments and reasons why such action should not be taken.

Section 6. After the acceptance of this Constitution by the student body, the election of representatives on the Institute Committee on the part of class organizations or other student activities shall be deemed an acceptance of this Constitution and its authority.

**Organization of the Institute Committee.**

**Article V.**

Section 1. The officers of the Institute Committee shall consist of a President, Vice-President and Secretary-Treasurer, who, with two members elected from the Committee-at-large, shall constitute an Executive Committee.

Section 2. The President of the Senior Class shall be the President of the Institute Committee. All other officers of the Committee shall be chosen annually by the Committee by written ballot.

Section 3. The Institute Committee shall enact such By-Laws as may be deemed necessary, and not inconsistent with the provisions of this Constitution.

(Continued on Page 4.)

**MANY PROMINENT MEN WILL ATTEND DINNER**

Tech Graduates from All Parts of Country to Meet at New York.

More than fifty Boston men have already registered for the big New York dinner of the Alumni of Technology. Representative graduates from all over the United States will be there. Denver will be represented, so far as known at this time, by H. O. Bosworth, '02, the manager of the Mine and Smelter Supply Company of that district. From Milwaukee will come David Van Elstyne, '86. The South will be represented, among others, by S. G. Bates, '99, vice-president of the Eastern Kentucky Railway, of River-ton, Kentucky. Over a half dozen men from Ohio, and as many from western New York, have promised to be present. A large delegation from New Jersey is likewise expected.

Coleman DuPont, '84, the powder magnate, will be in evidence at the festivities. Captain David A. Lyle, '84, U. S. A., the inventor of the Lyle gun, will head a delegation from Philadelphia, which will doubtless include the half dozen Tech men who have been called there by the Mayor to remake the municipal departments.

Besides the delegation of health officers who always come to greet their old teacher, Professor Sedgwick, there will be a goodly number of men in other lines of business, including Whitney Conant, of the Jersey City water supply, and Lawrence Addicks, '99, superintendent of the United States Metal Refining Company.

A roll call of prominent Technology men has been suggested for the dinner. This would show at least half a score of past presidents of national associations, a strong delegation of Boards of Health departments, the strong electrical force that centers about Whitney and Schenectady, and a very thick sprinkling of men who have found that there is room at the top.

**CATHOLIC CLUB.**

(Continued from Page 2.)

ussions on the subject by various eminent scientists.

The theory of Darwin, as opposed to that one of constancy, in which all existing species at the present time exist today as they did years ago, that is, they underwent no change, was accepted by Haeckel, known as the Prophet of Jena, and who was a very cultured man, and who as a scientist had given much to science. He believed in natural selection and in the survival of the fittest. To furnish proof of the theory that all species originated from one, he wrote a book, in which he sets forth his views. He cites as evidence the fact that the protoplasm of the dog, the turtle, and of the chicken is the same, and to support this he gives several illustrations. The scientific world was much aroused by this apparent proof, but one man discovers that the photographs used were but different views of the same protoplasm, and that Haeckel had deceived the world. But this scientist said that he did only what all other scientific men were doing. Haeckel, however, was severely censured and also suffered considerable abuse. In his book Haeckel entirely does away with the existence of a supreme being and outrightly denies the immortality of the soul. He states that man is only a higher form of animal, and his social instinct, as is found among animals, should govern his life. This brings this question of evolution to another point, that of the manner in which Catholicism regards this theory of Haeckel. Rev. Cusick will continue his talk on this subject on the 12th of February. This subject is one of great interest, and anyone interested is invited. The club expects a still larger number of men to turn out next time.



All Goods Required by Students at  
**MacLachlan's**  
 502 BOYLSTON STREET  
 Drawing Instruments and Materials,  
 Fountain Pens Text-Books

BACK BAY BRANCH

**State Street Trust Co.**

130 MASSACHUSETTS AVENUE, BOSTON

Safe Deposit Vaults

Credits interest monthly on accounts of \$300 and over

MAIN OFFICE: 33 STATE STREET



**His Speech**

He's becoming eloquent. Must be proclaiming the goodness and purity of Fatimas.

With each package of Fatima you get a pennant coupon, 25 of which secure a handsome felt pennant - Colleges, Universities and Fraternal Orders (12 x 32) selection of 115.

Liggett & Myers Tobacco Co.



20 for 15c

"Distinctively Individual"

**BOSTON OPERA HOUSE**

FRI., 7.45 to 11.45. LOUISE. Edvina, Gay, Barnes, Zenatello, Marcoux. Cond., Andre-Caplet.  
 SAT., 2 to 4.45. LA BOHEME. Bori, Dereyne, Laffitte, Poiese, Mar-dones. Cond., Moranzoni.  
 SAT., 8 to 11.25. CARMEN. Gay, Donner, De Potter, Rossi. Cond., Strony. Popular prices.  
 SUNDAY ORCHESTRAL CONCERTS  
 3.15 to 4.45. 25c to \$2.  
 Jan. 12. Mme. Tetrazzini, soloist.  
 Downtown office, Steinert's, 162 Boylston.  
 Mason and Hamlin Pianos Used.  
 Address Mail Orders to Box Office.

**MAJESTIC THEATRE**  
 Tonight at 8  
 Matinees Wed. & Sat. at 2.0  
 2 Weeks Only  
**HANKY PANKY**

**SHUBERT THEATRE**  
 Even. at 8.15  
 Wed. and Sat. Matinee at 2.15  
 The Operetta for which Mr. and Mrs. Cor-nelius Vanderbilt paid \$5000 to entertain the Smart Set at Newport  
**The Merry Countess**

**HOTEL CUMBERLAND**  
 NEW YORK  
 Southwest cor. Broadway and Fifty-fourth St.

HEADQUARTERS FOR COLLEGE MEN  
 HEADQUARTERS FOR TECH MEN  
  
 REPT BY A COLLEGE MAN.  
 SPECIAL RATES FOR COLLEGE TEAMS  
 Ideal Location, near depots, shops and Central Park  
 New, Modern and Absolutely Fireproof  
 Most Attractive Hotel in New York. Transient Rates, \$2.50 with Bath and up. Ten minutes walk to twenty theatres. Send for booklet  
**HARRY P. STIMSON**  
 Formerly with Hotel Imperial.

"THE LITTLE PLACE  
 'ROUND THE CORNER'"

**Copley Lunch**  
 QUICK SERVICE

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

**Classified Advertisements and Notices**

**CLASSIFIED ADVERTISEMENTS AND NOTICES.**  
 Faculty Notices, free.  
 Activities, 4c. per line.  
 Individuals, 10c. per line, 6 words to a line.

**FOR PRINTING AND TYPEWRITING,** we have the facilities and experience that puts us at the top in the point of speed, convenience and economy in Tech work. We have save some over half another's quotation. Before placing an order come to us for our price.  
**TECH TYPEWRITING BUREAU,**  
 Opposite the Union. 39 Trinity Place. (Mondays)

**NOTICE.**  
 1915 Class Officers' Picture at Notman's, 3 Park street, on Thursday, January 9th, at 1.15 P. M.

**FOUND**—A watch. Please apply at the Bursar's office. F. H. RAND. Bursar.

**INSTITUTE COMMITTEE** picture at Notman's, 3 Park Place, Tuesday, January 14, at 1.15 P. M.

**LOST**—A pair of glasses. V. S. Katzenstein. (Thurs-Sat)

When in need of anything, no matter whatever it is, be sure and patronize our advertisers.

**PROPOSED CONSTITUTION**

(Continued from Page 3.)  
**Amendments.**  
**Article VI.**  
 Amendments to this Constitution may be recommended by the Institute Committee or by a petition of one hundred (100) members of the Association. Any amendments so recommended shall be submitted by the Institute Committee to the entire student body for consideration and adoption. Full notice of such proposed amendments shall be submitted to the entire student body for consideration by publication or posting at least thirty (30) days before the date set for voting, two-thirds of the votes cast shall be necessary to adopt the same, provided 25 per cent. of the total membership vote.

**MID-YEAR GRADUATES**—The more time you give us to typewrite your thesis the better will it be a worthy record of your greatest effort at Tech. Come in now to arrange a time schedule for this.  
**TECH TYPEWRITING BUREAU,**  
 Opposite the Union, 39 Trinity Place. (Tues-twice)

**Old Established Dining Room**

Mrs. H. O. Hanson, Prop.  
 333 SAINT BOTOLPH STREET  
 21 Meal Ticket \$4.50    14 Meal Ticket \$3.50  
 7 Dinners . . . 2.50    7 Lunches . . . 1.50  
 Breakfasts 30c.    Luncheon 25c.    Dinner 40c

The Original  
**TECH BARBER SHOP**  
 Increased Business. Increased Help. Everything Sterilized  
**Copley Square**  
 Bootblack    Manicure    Second Floor

**HERRICK, COPLEY SQUARE**  
 Choice Seats for all Theatres  
 Phone B. B. 2328  
 Key Number Connecting Five Phones

Students' used clothing and other personal effects bought by  
**KEEZER**  
 360 COLUMBUS AVENUE  
 (Near Dartmouth St.)  
 Highest prices paid for same.  
 TR. 916.    Phone Write or Call  
 Open Evenings to 9 o'clock

*The Apollo*  
**THE CHOCOLATES**  
 THAT ARE DIFFERENT  
 FOR SALE AT THE UNION  
 SOMETHING  
 NEW CONTINUALLY,

**SAY FELLOWS**  
 We press, clean, repair and dye suits. Suits or overcoats sponged and pressed, 50c. Pants, 15c. Suits also made to order, \$15 up. Work will be called for and delivered. Telephone Back Bay 1754 M., or call at

**St. James Tailoring Company**  
 St. James Ave., cor Berkeley St.

**Write Ideas for Moving Picture Plays**

**YOU CAN WRITE PHOTO PLAYS AND EARN \$25. OR MORE WEEKLY**

**We Will Show You How!**

If you have ideas---if you can *think*---we will show you the secrets of this fascinating new profession. Positively no experience or literary excellence necessary. No "flowery language" is wanted.

The demand for photoplays is practically unlimited. The big film manufacturers are "moving heaven and earth" in their attempts to get enough good plots to supply the ever increasing demand. They are offering \$100, and more, for single scenarios, or written ideas.

We have received many letters from the film manufacturers, such as VITAGRAPH, EDISON, ESSANAY, LUBIN, SOLAN, IMP, REX, RELIANCE, CHAMPION, COMET, MELIES, ETC., urging us to send photoplays to them. We want more writers and we'll gladly teach you the secrets of success.

*We are selling photoplays written by people who "never before wrote a line for publication."*

**YOU WILL EARN \$100 MONTHLY FOR SPARE TIME WORK.**

**FREE** SEND YOUR NAME AND ADDRESS AT ONCE FOR FREE COPY OF OUR ILLUSTRATED BOOK, "MOVING PICTURE PLAYWRITING"

Don't hesitate. Don't argue. Write **NOW** and learn what this new profession may mean for you and your future.

**NATIONAL AUTHORS' INSTITUTE**      R. 688-1543 Broadway  
 NEW YORK CITY



## BOSTON OPERA HOUSE

WED., 7.45 to 11.15. PELLEAS ET MELISANDE. Edvina, Gay, Fisher, Riddez, Marcoux, Lankow. Cond., Andre-Caplet.

FRI., 7.45 to 11.45. LOUISE. Edvina, Gay, Barnes, Zenatello, Marcoux. Cond., Andre-Caplet.

SAT., 2 to 4.45. LA BOHEME. Bori, Dereyne, Laffitte, Polese, Mar-dones. Cond., Moranzoni.

SAT., 8 to 11.25. CARMEN. Gay, Donner, De Potter, Ross. Cond., Strony. Popular prices.

SUNDAY ORCHESTRAL CONCERTS 3.15 to 4.45. 25c to \$2.

Jan. 12. Mme. Tetrizzini, soloist. Downtown office, Steinert's, 162 Boylston.

Mason and Hamlin Pianos Used. Address Mail Orders to Box Office.

## MAJESTIC THEATRE

Tonight at 8  
Matinees Wed. & Sat. at 2.00

2 Weeks Only

## HANKY PANKY

## SHUBERT THEATRE

Even. at 8.15

Wed. and Sat. Matinees at 2.15

The Operetta for which Mr. and Mrs. Cornelius Vanderbilt paid \$5000 to entertain the Smart Set at Newport

## The Merry Countess

# BEST PRICES

...On...

DRAFTING INSTRUMENTS, PAPERS, TRACING CLOTH, TRIANGLES, T SQUARES, SLIDE RULES, PENCILS, ETC. PAINTS VARNISHES AND HARDWARE.

222 CLARENDON ST.

ALSO

84 WASHINGTON ST.

Catalogues Free

## Wadsworth, Howland & Co.

Incorporated

## Richard's School of Dancing

Class Night Monday 7.30 :: Socials 8.30

Private Lessons by appointment daily. Get the Tango and the Boston, the latest rage in Paris and New York. Get the One Step TEL. CONN. Back Bay 8080.

30 Huntington Ave. :: Boston



*Young Mens Hats*  
for Every Occasion

**COLLINS & FAIRBANKS COMPANY**  
383 WASHINGTON STREET - BOSTON

## Classified Advertisements and Notices

### CLASSIFIED ADVERTISEMENTS AND NOTICES.

Faculty Notices, free.  
Activities, 4c. per line.  
Individuals, 10c. per line, 6 words to a line.

FOR PRINTING AND TYPEWRITING, we have the facilities and experience that puts us at the top in the point of speed, convenience and economy in Tech work. We have save some over half another's quotation. Before placing an order come to us for our price.

TECH TYPEWRITING BUREAU,  
Opposite the Union, 39 Trinity Place.  
(Mondays)

### NOTICE.

1915 Class Officers' Picture at Not-man's, 3 Park street, on Thursday, January 9th, at 1.15 P. M.

FOUND—A watch. Please apply at the Bursar's office. F. H. RAND. Bursar.

MID-YEAR GRADUATES—The more time you give us to typewrite your thesis the better will it be a worthy record of your greatest effort at Tech. Come in now to arrange a time schedule for this.

TECH TYPEWRITING BUREAU,  
Opposite the Union, 39 Trinity Place.  
(Tues-twice)

When in need of anything, no matter whatever it is, be sure and patronize our advertisers.

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Boston, Mass.,  
January 3, 1913.

The class in Knots and Splicing meets on Tuesday, from 10 to 11, and on Wednesday, from 4.15 to 5, in Huntington Hall, and on Friday, from 10 to 11, in Room 44 Rogers.

WALTER HUMPHREYS,  
Registrar.

### FACULTY NOTICE.

Fourth Year Hydraulics—Course II.

Sections 1, 4 and 5 will recite in Room 20, Engineering B, on Tuesdays, Thursdays and Saturdays, from 9 to 10 A. M.

Sections 2 and 3 will recite in Room 49, Engineering A, on Tuesdays and Thursdays, and in Room 21, Lowell, on Saturdays, at the same hour.

All sections should prepare articles 6 to 12 inclusive of Russell's Hydraulics.

WALTER HUMPHREYS,  
Registrar.

### Old Established Dining Room

Mrs. H. O. Hanson, Prop.  
331 SAINT BOTOLPH STREET

21 Meal Ticket 54.50	14 Meal Ticket 93.50
7 Dinners . . . 2.50	7 Lunches . . . 1.50
Breakfasts 30c.	Luncheon 25c. Dinner 40c

The Original

## TECH BARBER SHOP

Increased Business. Increased Help. Everything Sterilized - - -

Copley Square  
Bootblack Manicure Second Floor

## HERRICK, COPLEY SQUARE

Choice Seats for all Theatres

Phone B. B. 2328

Key Number Connecting Five Phones

Students' used clothing and other personal effects bought by

## KEEZER

360 COLUMBUS AVENUE  
(Near Dartmouth St.)

Highest prices paid for same.  
TRF. 916. Phone Write or Call  
Open Evenings to 9 o'clock

## OPTICIANS

Prescriptions  
Repairs  
Goggles

## KODAKS

Printing  
Developing  
Enlarging

All work done on the premises  
Broken lenses duplicated  
without prescription

## E. F. Mahady & Company

Opposite Public Library

671 Boylston St. Tel. B. B. 5580

## SAY FELLOWS

We press, clean, repair and dye suits. Suits or overcoats sponged and pressed, 50c. Pants, 15c. Suits also made to order, \$15 up. Work will be called for and delivered. Telephone Back Bay 1754 M., or call at

## St. James Tailoring Company

St. James Ave., cor Berkeley St.

## Write Ideas for Moving Picture Plays

**YOU** CAN WRITE PHOTO PLAYS AND EARN \$25. OR MORE WEEKLY

## We Will Show You How!

If you have ideas---if you can *think*---we will show you the secrets of this fascinating new profession. Positively no experience or literary excellence necessary. No "flowery language" is wanted.

The demand for photoplays is practically unlimited. The big film manufacturers are "moving heaven and earth" in their attempts to get enough good plots to supply the ever increasing demand. They are offering \$100, and more, for single scenarios, or written ideas.

We have received many letters from the film manufacturers, such as VITAGRAPH, EDISON, ESSANAY, LUBIN, SOLAX, IMP, REX, RELIANCE, CHAMPION, COMET, MELIES. ETC., urging us to send photoplays to them. We want more writers and we'll gladly teach you the secrets of success.

*We are selling photoplays written by people who "never before wrote a line for publication."*

**YOU WILL EARN \$100 MONTHLY FOR SPARE TIME WORK.**

**FREE** SEND YOUR NAME AND ADDRESS AT ONCE FOR FREE COPY OF OUR ILLUSTRATED BOOK, "MOVING PICTURE PLAYWRITING"

Don't hesitate. Don't argue. Write **NOW** and learn what this new profession may mean for you and your future.

NATIONAL AUTHORS' INSTITUTE

R. 688-1543 Broadway  
NEW YORK CITY