

THE TECH

VOL. XXXIV. No. 85.

BOSTON, MASS., MONDAY, FEBRUARY 8, 1915.

PRICE THREE CENTS

MUSICAL CLUBS END SUCCESSFUL TRIP

Seven Concerts Are Given—Visits To Important Industrial Plants.

The Technology Combined Musical Clubs arrived in Boston yesterday after a 1500-mile trip which extended over just one week. Seven concerts were given, one at each of the following places: Montclair, Philadelphia, Washington, Butler, Rochester, Northampton and Springfield. In all of these cities the men were most heartily received and were guests at numerous dances and receptions, while a large list of patronesses gave prestige to every concert.

The clubs left Boston at 9 o'clock last Monday and, arriving in Montclair that afternoon, were immediately taken into the various homes where they were entertained for the night. The hall at Montclair had been sold out a week in advance so that the clubs played before a splendid audience. The excellent success of this concert was due largely to the efforts of Mr. Percy H. Thomas and other alumni. Dancing followed until 1.30.

The men arrived in Philadelphia at noon the next day. Here several plants were visited, some of the fellows going to the Baldwin Locomotive Works, Campbell's Soup Factory and the Victor Talking Machine Plant. A dance followed the concert.

At Washington on Wednesday the men were guests at the 8 national Fraternities at Washington and Jefferson College. In the afternoon

(Continued on Page Two)

EDUCATORS CONFER

Prominent Professors Meet With Governor Walsh.

A private and informal conference has been held by prominent educators of Massachusetts with Gov. Walsh upon the recommendations contained in his inaugural address for an extension of university education and correspondence schools.

Professors J. H. Ropes and P. H. Hanus of Harvard, Pres. MacLaurin and Prof. Park of Technology, Pres. Bumpus of Tufts, former Pres. Hamilton of Tufts, Dr. Murlin of the Boston University, and several members of the Board of Education, were among those who assembled at the State House.

TRACK TEAM NOTICE

The two-mile relay team will probably run Dartmouth at Providence Feb. 20, and all candidates for the team must report today and hereafter. The training for the four-mile team will be resumed today, also.

TECHNOLOGY WINS FROM DARTMOUTH

Cook, O'Hara and Loomis Place In Open Events—Relay Record Broken.

The varsity 390 relay made up for defeats it had suffered at the hands of Holy Cross and Harvard, by defeating Dartmouth in the closest race of the night at the B. A. A. meet Saturday, covering the 1560 yards in 3 min. 81.5 sec., breaking the Technology record for the event by a second.

The Institute also showed up well in the open events, especially in the invitation forty yard dash where O'Hara and Loomis tied for second place in the final heat which was run in 43.5 seconds. Cook, running from the forty yard mark, took third in the mile run, easily beating McClure of Harvard who started ten yards ahead of him.

O'Hara and Allison toed the mark on the first stretch of the relay. Dartmouth won the toss, giving Allison the pole, but O'Hara got off fast, beating him to the first corner. Allison trailed till the third lap when O'Hara let out a burst of speed and handed Reed a six yard lead. Braun, the Dartmouth hurdler, went out after Reed and succeeded in getting four yards back, Reed handing Guething two yards.

Guething was running against Lagay who took second in the fast six hundred at the B. A. A. last year, but "Cy" had the race well in hand all the way, handing over a five yard lead. Colleary at anchor ran against Worthington, the fastest man on the Green team. Both men held even till the last lap. Here Worthington started to close up, and on the last corner tried to jump the lead, Colleary beating him to the tape by a foot in the closest fight of the night.

HOCKEY TEAM LOSES

The Technology Hockey team was outclassed by the fast Dartmouth seven last Thursday at Hanover, N. H., being defeated by a score of 4 to 1. Although the home team was handicapped by the loss of its crack rover and captain, Bag Wanamaker, it made up for poor offensive work by the clever defence of Donahue, the old Somerville high goal tender. The visitors were slow on the ice. Winton, who caged the one and only goal for Technology, was easily the star of the game.

INSTITUTE COMMITTEE

The regular meetings of the Institute Committee will be resumed on Thursday, Feb. 11, at 5 P. M. in 8 Eng. C. Many important matters have come up since the last meeting of the committee, making it necessary for every member to be present.

REGIMENTAL DANCE COMES NEXT FRIDAY

Horticultural Hall To Be Scene Of Annual Cadet Corps Hop.

All arrangements are complete for the annual dance of the Cadet Corps, which will be given at Horticultural Hall on Friday, February 12. As usual, this will be an affair not only for the officers and cadets of the Regiment, but for the whole student body, and the committee in charge hopes to see a good representation from the "civilians" as well as from the "soldiers."

The members of the Regiment are expected, as in former years, to appear in uniform, with the side arms. The dance will open with a march at eight o'clock, after which will be the program of dances. The dance orders may be had at the Cage.

Tickets are \$2.50 a couple and may be obtained at the Cage, or of any of the officers or members of the dance committee.

FRESHMAN WRESTLING

Wrestling May Be Substituted For Gym Work.

Freshmen will be allowed to substitute wrestling for gym work during the second term. Beginning Monday, Feb. 8, the freshmen may leave the gym classes entirely and put in three periods a week of wrestling. Their attendance will be taken and their record in physical training will be based on this work.

The hours of practice will be 4-6 on Mondays, Tuesdays and Fridays, and 4-5 on Thursdays.

There is a chance for fifteen or twenty freshmen to make the squad. They will be under the supervision of the captain and manager, and will soon learn the fundamental holds from the members of the team. There is a chance for class numerals in the Freshman-Sophomore meet in April. As the wrestling team depends on its material from the freshman squad there is also a chance for a wTt or T.

M. I. T. FIVE LOSES

The Technology basketball team was defeated by Wesleyan Saturday evening by a score of 46 to 11. Harmon, a freshman, starred for Wesleyan. Although Technology worked hard, they were unable to score more than two baskets.

Summary: Wesleyan 46, Technology 11. Referee, Mr. Reed of New Hampshire State. Timer, Mr. Hall of Springfield. Time, 20-minute halves.

TECH SHOW 1915 WILL HOLD SMOKER THURSDAY

Requirements And Duties Of All Connected With The Show To Be Explained.

The beginning of Tech Show 1915 will be celebrated Thursday evening, Feb. 11, with a Show Smoker. At no other time is there afforded such a splendid opportunity to get acquainted with the Show Work, the new coach, and everyone connected with the Show.

The coach, Mr. Samuel Hume, will explain the requirements for the cast, the chorus, and the ballets. Mr. Hume has been connected with numerous amateur productions. Besides Mr. Hume, J. B. McDaniels, author of "Getting Across," will be on hand to tell the story and the ideas of the Show. Refreshments will be served free.

Competition for the position of assistant in the stage department will start Friday. The successful freshman will be assistant stage manager, and if he does his work properly during the rest of this year he will also

(Continued on Page Three)

ROCHESTER EXPERIMENT

New Scheme To Be Tried Out This Coming Term.

Although Technology is known to be a school with an unusually high ratio of instructors to students, there has often been difficulty in getting close contact between them. To obviate this state of affairs the "Rochester Hour" has been established. This is an appointed time in which any student may approach the Rochester experiment man in an informal way and ask anything which has been of trouble to him.

The hour decided upon for this advisory work is from 1 to 2 every day at the Union. The group of men selected for the advisory work includes: Robert S. Williams, assistant professor of chemistry; C. L. E. Moore, assistant professor of mathematics; R. E. Rogers, instructor in English; F. H. Kennedy, assistant in drawing; J. W. Howard, assistant professor of civil engineering. They are all young men and in sympathy with the students, and withal are not so far from their own student life to have forgotten the perplexities of their own schooldays.

CALENDAR

Monday, February 8, 1915.

9.00—School starts.

4.00—Meeting of Managing Board of The Tech.

Tuesday, February 9, 1915.

1.05—The Tech Managing Board Picture. Notman's.

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

MANAGING BOARD

A. H. Waitt, '15.....General Manager
E. A. Weaver, '15.....Editor-in-Chief
E. F. Hewins, '16.....Managing Editor
S. Keiff, '16.....Advertising Manager
W. T. Kaleszner, '16.....Circulation Mgr.
H. P. Claussen, '16.....Treasurer

NEWS BOARD

H. E. Laddell, '17.....Asst. Man. Editor
J. M. DeBell, '17.....Institute Editor
B. N. Stimets, '16.....Assistant
J. G. Fairfield, '16.....Societies Editor
H. P. Gray, '16.....Athletic Editor
G. H. Stebbins, '17.....Assistant

NEWS STAFF

W. F. Johnson, '17 A. D. Nute '17
A. E. Keating, '17 E. W. Rounds, '17
H. N. Keene, '17 F. A. Stearns, '17
R. E. McDonald, '17 A. P. Sullivan, '17
D. E. Bell, '17 K. M. Lane, '17
A. H. Wenzel, '17 J. W. Damon, '18
E. A. Thresher, '18 F. A. Bermingham, '18

BUSINESS STAFF

F. H. Wells, '18

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

Subscriptions, \$1.50 per year, in advance. Single copies, 3 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.

MONDAY, FEBRUARY 8, 1915.

IN CHARGE OF THIS ISSUE.

Editor: E. W. Rounds, '17.
Associate: A. P. Sullivan, '17.
Assistant: A. H. Wenzel, '17.

The successful culmination of the first real tour undertaken by the Combined Musical Clubs of Technology is a cause for congratulation on the part of everyone connected with the Institute. As a means of publicity, clubs of this nature are a factor hardly to be overestimated; and particularly in correcting the popular impression that the Tech man's life is nothing but a dull grind of studies this trip should do much for the position of Technology in the public estimation. We hope that in each future year the clubs may have the requisite talent, initiative and good management to repeat the present triumph.

Of particular interest to college undergraduates as being the work of one of their number, is the Harvard prize play now being presented in Boston. This play is unquestionably characteristic of the intelligent attitude now being assumed by the younger generation toward problems which have long been spoken of only with bated breath. If it is equally indicative of the conclusions reached by the average student in his study of these problems, the fact constitutes a most encouraging indication of the trend of modern times. In any case, the play has a very real message for the young man of today in facing the problems he must meet, and we hope for the sake of Tech men in particular that many of them will see it.

MUSICAL CLUBS TRIP

(Continued from Page One)

some of the men went to the Hazel and Atlas Glass Works while others went to the Tyler Tube Company, which makes nothing but boiler tubes.

At Butler on Thursday the men first went to the Y. M. C. A. Here, through the courtesy of the secretary, the men were offered the privileges of the swimming pool. The men visited the Hotel Nixon for lunch and then immediately went to the large plant of the Standard Steel Car Company. This concern was just finishing an order of 200 steel cars for the Boston subway. At this plant all the operations were carried on by electric power. From the plant the men went to the home of Manager Allen Abrams, where they were most royally entertained. Here opportunity was afforded the men to meet some of Butler's most charming young ladies. Some of the fellows found a bob sled which was built for 10. "Fat" Brown and seven of the men took the first ride, but only part of the bunch succeeded in getting down the hill for "Fat" Brown didn't like his company. The men had dinner at the manager's home.

The concert being over at ten, the men went to the University Club for a delightful dance. Here they were guests of the members of the University Club.

Friday the clubs went to Rochester. About five hours were spent in going through the Eastman Kodak Company. The men ate two meals as guests of the Tech Alumni who are in the Company and sang before the employees at the lunch hour. A dance followed the concert.

Saturday afternoon the men played before a small but appreciative audience which consisted mainly of Smith College girls. In the evening they sang in Springfield. Here they were taken care of over night by the various alumni around the city.

In criticising the concerts it might be well to quote the press.

The Springfield Union says the following: "The Tech boys certainly deserved the greeting that they received. The college spirit was evidenced from the first, and somebody's excellent taste in program making prevented even so much as a dull moment. People who stayed away missed a genuine treat, quite unlike any other musical offering this season."

(Continued on Page Four)

The "Rochester Experiment," explained in another part of this issue, will depend for its success chiefly upon the reception accorded it by the students. If they fail to make adequate and intelligent use of its privileges it will, of course, be discontinued, so that it rests with the students, for their own good to give it a fair trial, and to express their opinions as to desirable modifications through the medium of these columns.

MANY a feller that looks like a fool on Broadway is a consid'able genius on a farm—an' ef it warn't for th' farms thar'd be dern few Broadways.

Velvet Joe



The "back-to-nature" movement grows stronger daily—in the use of VELVET, one of nature's greatest gifts to man—the Smoothest Smoking Tobacco. 19c tins and 5c metal-lined bags.

Liggett & Myers Tobacco Co.



Students' Clothes

J. C. LITTLEFIELD

High Class Tailor

12 BEACON STREET

Evening Clothes a Specialty

Students' Cast-Off Clothing

and other personal effects bought by

KEEZER

360 Columbus Avenue
Near Dartmouth St.

Highest prices paid for same

Phone, Write or Call
Open Evenings to 9 o'clock
B. B. 6843

Needn't be careful with Moore's

'Course not—Moore's is a pen to work with—not to nurse. Use it any way you like—carry it any way you like—tucked in a book or dropped in a purse—it's SAFE any way. For it's the original "won't leak" pen.

Starts writing at a touch—and shuts up bottle-tight when you close it. Always writes RIGHT. See the 127 styles, \$2.50 up.

At College Bookstores and all Dealers

American Fountain Pen Co., Mfrs.
Adams, Cushing & Foster, Selling Agts.
C/O Devonshire St., Boston, Mass.

Moore's won't leak

With three offices, conveniently located in different sections of Boston, the Old Colony Trust Company offers exceptional banking facilities for Technology men. Modern safe deposit vaults at all offices.

Old Colony Trust Company

17 COLUMBIA STREET
TEMPLE PLACE BRANCH 52 TEMPLE PLACE
BAY STATE BRANCH 222 BOYLSTON STREET

TECH UNION DINING ROOM

Stone & Webster

CHARLES A. STONE, '88
 RUSSELL ROBB, '88
 ELIOT WADSWORTH, '91
 JOHN W. HALLOWELL
 EDWIN S. WEBSTER '88
 HENRY G. BRADLE '91
 DWIGHT P. ROBINSON '92

SECURITIES OF
 PUBLIC SERVICE CORPORATIONS

STONE & WEBSTER
 ENGINEERING CORPORATION
 CONSTRUCTING ENGINEERS

STONE & WEBSTER
 MANAGEMENT ASSOCIATION
 GENERAL MANAGERS OF
 PUBLIC SERVICE CORPORATIONS

147 NALK STREET, BOSTON
 NEW YORK CHICAGO

FOUND ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the Office of the Supt. of Bldgs. & Power, 26 Trinity place. Four note books, one First Year English, one Principles of Composition, one Essentials of German, three Topics and Questions in Mechanics, one German Composition, one Elements of Mechanism, one Problems in Physics, one Electrolytic Dissociation Theory, two Well's Four Place Tables, one Heath's Modern Language Series, one French Grammar, one blue and one black scarf; gloves, papers, Dutch dictionary, miscellaneous collection.

SUPERINTENDENT WANTED

By a Chemical Works. Must thoroughly understand Machinery and Mechanical Equipment and know something of Chemistry. One who has been in the Chemical Trade or a Graduate of Massachusetts Tech preferred. Give full detail when replying. —CHEMICAL, care Tech, Boston, Mass.

Safety First

BOSTON SAFETY FOUNTAIN PEN

CANNOT LEAK

THE SMOOTH WRITING PEN

Sold at
 A. D. MacLachlan
 502 Boylston St.

PORTFOLIO PICTURES AND STATISTICS

Proofs Are Due Before Feb. 15—
 Statistics Blanks Ready
 At The Cage.

Less than three weeks remain for the Seniors to have their sittings for the Senior Portfolio. In order to assure the success of Technique 1916 and Senior Portfolio under the present arrangement, all pictures must be taken before the last of February. Appointments may be made at the Union every day between 1 and 2 p. m. From now on, the committee will be unable to make reappointments unless sufficient notice is given. Every effort, however, will be made to make a new appointment in the case of unsatisfactory proofs. Statistics blanks to be filled out are ready at the "Cage" or they may be obtained from C. N. Runels, W. B. Spencer or C. W. Wood. Blanks are due at the "Cage" before Feb. 15, 1915.

Owing to a mistake of the printer, insufficient space has been left after some of the headings. In case there is not room on the front, the rear of the sheet may be used. Short, concise information is desired.

Proofs must be returned to Notman's at once and in any case in three days after their receipt. Technique reserves the right to print the best picture according to its own judgment if proofs are not returned promptly.

TECH SHOW SMOKER (Continued from Page One)

most automatically become first assistant next year, and manager of his department in his Junior year. He then has an excellent chance of becoming General Manager of the Show in his fourth year.

The work of second assistant does not require much time and is not difficult. He must, however, know the rudiments of harmony and be able to read music. He will assist in the prompting at rehearsals and with the manager and assistant, have general oversight of the properties of the play. The actual staging is done under this department.

Stage Manager Caruthers Coleman will meet those who are interested at 5 P. M. Friday, Feb. 12, in the show rooms. He will then outline fully the duties of second assistant stage manger and give the necessary information about the competition.

CLASSIFIED AD.

Modern Dancing—Maude E. Stanton. Explicit instructions in all modern dances: One step, fox trot and canter waltz guaranteed in three lessons. Private instructions daily. Studio, 32 Huntington Ave. Phone B. B. 7769.

THE TECH
 Has Trade to Sell at a
 Discount

IN maintaining an exclusive footwear standard we appeal directly to the discriminating man who demands that his shoes reflect the newest style, combined with absolute comfort and serviceability

COES AND YOUNG CO
 20 SCHOOL STREET

Announcement

A most modern Barber Shop has been opened in Your District.
 221 BERKELEY ST., COR.
 BOYLSTON.

Also
 Manicure, Chiropodist, and Boot Black Stand for Ladies & Gentlemen; Shampooing and Facial Massage. Tech students are invited to inspect the Sanitary Arrangements of this Up-to-Date Shop.
 Asking you for a call,
 JOHN GOEPPNER.

CLASS PIPES

SCHRYVER'S SEGAR STORE

44 School Street, Boston

We carry the
 B. B. B., S. S. S., G. B. D.,
 etc. pipes in all styles
 10 PERCENT DISCOUNT TO TECH STUDENTS.

EIMER & AMEND

Headquarters for
Chemicals, Chemical Apparatus, Minerals, Etc.

WE CARRY THE LARGEST STOCK OF LABORATORY SUPPLIES IN THE U. S.

First Quality Supplies Only Prompt Service

Our European connections are such that we are enabled to offer you the best services for duty free importations on scientific supplies at the lowest prices.

Analytical Balances and Weights.
 ONE OF OUR LEADING SPECIALTIES

ESTD - 1851
 203-211-THIRD-AVE
 NEW-YORK-CITY

CARL A. ZAHN

Barbering Manicuring
 Chiropody

Razors, Brushes, Perfumery,
 Haberdashery

THE PLAZA COPLEY PLAZA
 New York Boston, Mass.

NEW GREENBRIER
 White Sulphur Springs, West Virginia

ARROW TANGO SHIRTS

are an evening dress necessity.

The bosoms are tucked, puffed, pleated or "mushroom."

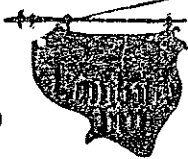
\$2.00 and up

Cluett, Peabody & Co., Inc. Makers

Tech Barber Shop

22 HUNTINGTON AVE.

UP ONE FLIGHT

**ITALIAN
Restaurant**TABLE d'Hotel
DINNER 5 to 8.30
A LA CARTE

STRICTLY ITALIAN CUISINE

Italian Wines Music

BOYLSTON PLACE

Near Colonial Theatre

Tel. Oxford 2942

BOSTON, MASS.

ALL GOODS REQUIRED BY
STUDENTS AT**Maclachlans**

502 BOYLSTON STREET

Drawing Instruments and Ma-
terials, Fountain Pens, Text

Books

**PRESIDENT MACLAURIN
SPEAKS AT NEW BEDFORD**Talks At Harvard-Technology
Reunion On Advantages
Of Combination.

President Maclaurin spoke at the Harvard-Technology reunion at New Bedford, January 29th, concerning in general the tendency toward educational co-operation and in particular, the agreement between Technology and Harvard. He also brought out the fact that the new Technology plant in Cambridge will be the best equipped engineering school in the world and that with the combination of the instructing staffs of the two institutions unequalled facilities for studying will be offered the embryo engineer.

A homelike, first-class hotel, proud of New England traditions, dating from Gen. Warren, yet newly furnished with every comfort & convenience.

THE AMERICAN HOTEL

Long distance phone and hot and cold water in every room. Kept constantly clean by our vacuum plant. Rooms \$1.00 a day and up.

100 THE BATTERY BOSTON

Students' Laundry Work

I am prepared to do plain laundry work at a reasonable price. I will call for and deliver the work at the cage.

Apply to

R. A. GREENE

The Cage, Tech Union

COLLINS & FAIRBANKS COMPANY**Offer 20% Discount**

FROM REGULAR PRICES ON

Cloth and Fur Coats

383 Washington St., Boston

McMORROW**College Shoes for College Men**

238 WASHINGTON STREET, BOSTON, MASS.

OPPOSITE THOMPSON'S SPA

**THE CLOTH TOP
BOOT**

IS THE FEATURE OF THE SEASON

**SHOES FOR MEN
THAYER McNEIL
COMPANY**

15 West St.

47 Temple Place

MUSICAL CLUBS TRIP
(Continued from Page Two)

"The Mandolin Club proved particularly strong, and in the first number, 'The Crescendo' by Odell, showed the results of careful practising. The Glee Club sang the lovely Brahms lullaby with tenderness and expression. They were at their best in the light and whimsical sort of things as in 'Swing Along' and 'Alexander.'" The Banjo Club led in an astonishing bit of dramatic playing when they treated the audience to a realistic Indian war dance.

The solos by H. C. Williamson were varied and well rendered while Mr. Alexander Martin, as reader, surely deserved all the praise and applause that he received. The Hawaiian Quartet proved that they were capable of rendering the sweet, melodious Hawaiian music as well as popular music.

The management on behalf of the men in the clubs wish to express their gratitude and appreciation to all those who in any way helped to make the trip so successful.

LIFE INSURANCENew England Mutual Life
Insurance Co.

ALDEN H. WAITT, '14, Agent

RICHARDS SCHOOL OF DANCING

30 Huntington Avenue

HUNTINGTON CHAMBERS

Tel. B. B. 6060 Private and Class

**ALBERT M. KANRICH
Violinist and Musical Director**FRAT RECEPTIONS AND DANCES
ORCHESTRAL AND BAND MUSIC
FOR ALL OCCASIONS.

214 Boylston St.

Tel. B. B. 1246 M

**American
Clubmen
Prefer "Bull"
Durham Hand-made Cigarettes**

These wealthy men are used to the best of everything, and are good judges of quality. They find the cigarettes they make for themselves, from "Bull" Durham tobacco, have a delightfully fresh, mild, unique fragrance and flavor that afford the greatest enjoyment and satisfaction. At all times it is correct and fashionable to "Roll Your Own."

**GENUINE
"BULL" DURHAM
SMOKING TOBACCO**

Made from absolutely the finest, choicest, mellow-ripe leaf grown in the famous "bright" tobacco district of Virginia-North Carolina, that supplies the world with cigarette tobacco. Much of the delicate flavor and fragrance of this leaf escapes from the ready-made cigarette. These rare qualities can only be retained in the bulk of tobacco in the "Bull" Durham sack, and enjoyed in the fresh-rolled "Bull" Durham cigarette.

Ask for a FREE
book of "papers"
with each 5c sack.**FREE**

An Illustrated Book-let, showing correct way to "Roll Your Own" Cigarettes and a Pack of Cigarette papers will both be mailed to you free, on postal request. Address "Bull" Durham, Durham, N. C., Room 1293.

THE AMERICAN
TOBACCO
COMPANY

IT PAYS TO TRADE WITH OUR ADVERTISERS