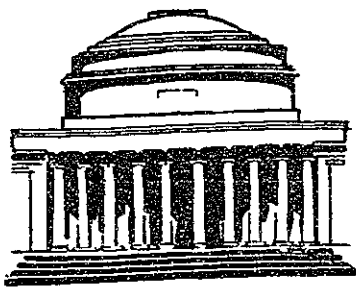


# The Tech



MASS. INST. OF TECHNOLOGY  
NOV 29 1938  
LIBRARY

Volume LVIII, No. 47

CAMBRIDGE, MASS., TUESDAY, NOVEMBER 29, 1938

Price Five Cents

## '41 To Hear Tech Singers At Class Hop

### Technology Glee Club To Entertain Sophomores Between Dances

#### BID SALES CONTINUE

Technology's Glee Club will entertain the guests at the Sophomore Dance, to be held atop the Parker House Dec. 2. During the intermission, John B. Murdock, president of the Class of 1941, will act as Master of Ceremonies, introducing the Glee Club, and its various numbers. After the Glee Club has sung its songs, Murdock will announce the selection of the queen, and then he and Charlie Barnett will present her with a crown made of sterling silver.

American Airlines has agreed to send its personnel manager to the dance to aid in the selection of the queen, and it is highly probable that the personnel manager from the main office in Chicago will fly down especially for the occasion.

#### Tickets Still on Sale

Norman I. Shapira, '41, Chairman of the Ticket Committee of the Sophomore Dance Committee, announced last night that ticket sales had picked up considerably in the last few days, and predicted that all tickets for the dance will be sold by Thursday night. Tickets, while they are still available, are being sold at the ticket desk in the main lobby, and are also available from members of the committee.

#### Chaperones Announced

Prof. and Mrs. N. H. Frank, Prof. and Mrs. Alvin Sloane, and Maj. and Mrs. K. B. Lawton have been invited to chaperone the Dance.

## Technology Team To Debate Here

### Middlebury College Upholds Affirmative In Second Season Debate

The Institute will meet Middlebury College, Thursday evening, December 1, in its second debate of the current season to be held at 8 P.M. in the new William Emerson Lounge of the Rogers Building.

Middlebury will uphold the topic, "Resolved; that the United States Should Form an Alliance With Great Britain". The Tech team, opposing the proposed alliance, will include Nicholas Shoumatoff, '39, Paul Erlanson, '41, and Stanley Backer, '41. Chairman for the debate will be L. Hurley Bloom, '40.

Each of the three speakers will be allowed a seven minute constructive argument. Besides the direct speech, the first two men on each side will be given a rebuttal of four minutes, and the last two men five minutes. The public is cordially invited to attend.

## Charlestown Navy Yard Scene of A.S.M.E. Visit

The Technology Chapter of the American Society of Mechanical Engineers will make a trip to the U. S. Navy Yard, Charlestown, on Wednesday, November 30.

Only those members of the society who are U. S. citizens may go on the trip. They are to meet in the Main Lobby at 3 P.M. if they have previously signed up on the bulletin board opposite 3-270. The purpose of the trip is to inspect the foundries and forges, and other mechanical parts of the Navy Yard.

## Play By Technology Man Will Be Given Over Radio

"A Gentleman Scorned," a farce by Robert V. Smith, '40, was chosen from the group of plays submitted to radio station WCOP for use on the "College Radio Work-shop" Program and will be presented by that station on Friday, December 2, from 3 to 4 P.M.

Written last year for the drama option of Sophomore English, the play contains parts for two women and three men. Tryouts for the presentation Friday will be held at station WCOP today at 3:30 P.M. and are open to all students. Rehearsal will be Wednesday, at 4 P.M.

## Prof. F. Morris Speaks at Alumni Council Meeting

### Talk Is Based On Far East Conditions And Opinion In America

"Every people in the world got the land they live on by conquest," declared Professor Frederick K. Morris of the Geology department in a speech given before the Alumni Council dinner-meeting last night. Professor Morris, the featured speaker of the evening, presented a view on the Far Eastern situation, using his personal observation of the conditions existing there and "logical thinking," which he maintained was the only intelligent method of forming conclusions and in which no conflicting opinions could exist.

#### Americans have "Emotional" Thoughts

The American people use only "emotional" and "artistic" kinds of thinking he said, and as he explained the terms he stated that all conflicting opinions result from such types of thought, and that the majority of wars had their most deep-rooted causes in similar kinds of emotionalism. Consequently, the popular opinion of the Far Eastern condition is not only dangerous but erroneous.

## Faculty Club To Tender Party To Vannevar Bush

A farewell party in honor of Dean Vannevar Bush will be given by the Faculty Club at the Hotel Continental on Tuesday, December sixth. The dinner is to be followed by dancing, cards, and several surprise events.

Tickets will be available through representatives of the Faculty Club in each department. The price of \$1.50 covers the actual cost of the dinner only, all other expenses being borne by the Faculty Club.

## Model Of Old Pottery Works Shown At Former Dean Burdell's Installation

When Dr. Edwin S. Burdell, former Dean of Humanities at Technology, was installed in his new office as Director of Cooper Union on November 3, one of the features of the exercises was a large exhibit depicting the development of the ceramics industry.

Desirous of having the Institute contribute to this exhibit, Dr. Burdell, one of the founders of the Hobby Shop, was instrumental in securing Professor Frederick H. Norton to design a model of an old New England pottery works which proved to be one of the most popular attractions of the display. Mr. Albert G. Dietz, of the Civil Engineering Department, aided Professor Norton by designing the beams which appear inside the model structure.

#### Made Open-Faced

The main building in the exhibit is the pottery producing works, the front face of which is removed to reveal the interior construction. The potter and his assistant, surrounded by dry-

## Norvo's Band Plays To 500

### 5:15 Club Formal Dance May Be Repeated Next Year

Red Norvo and Mildred Bailey, the "Mr. and Mrs. of Swing", made their debut at the Institute Wednesday evening before two hundred and fifty Tech men and their dates. In their first Boston appearance since the Harvard-Dartmouth Ball, the band made an instantaneous hit with the dancers.

Especially featured were Mildred Bailey's singing and Red Norvo's xylophone solos. Mildred Bailey gained fame on the radio as the "Rockin' Chair Lady" after being soloist with Paul Whiteman for several years. Red Norvo is considered the best xylophonist in any band in the country and the only well known band leader specializing in that instrument. Both he and Mildred Bailey are now featured at the Famous Door in New York.

In addition to the Main Hall, all the lounges and the library were open throughout the dance as well as the entire basement. Colored lights were obtained by the committee and shone from the balconies.

After the success of this dance, Leo A. Kiley, president of the 515 club, said that he will recommend in his final report that the dance be continued in the future and that it be held in Walker.

Chaperones for the dance were Prof. and Mrs. Leicester F. Hamilton, Major and Mrs. A. Donald Fisk, Major and Mrs. Harold R. Jackson, and Mr. Walter C. Wood. Ralph L. Hegner, '39, was chairman of the dance committee.

## Two Architects Will Give Talks

### Model Of Suspended House Will Be Exhibited Here For Two Days

Two architects, Paul Nelson of Paris, and Henry Churchill of New York City, are to be guests of M.I.T. today and tomorrow, and will deliver lectures in the School of Architecture.

Mr. Nelson's lecture this evening, in the William Emerson room of the new Rogers Building will be given before a group of student architects from Technology, Harvard, and Smith College. Speaking on the processes of design, the lecturer will illustrate the talk with many of his own designs.

(Continued on Page 3)  
Architects

## Complaints May Be Left At New Information Desk

The Student-Faculty Curriculum Committee has announced that any Technology student having suggestions or complaints regarding subjects, courses, or the faculty may leave them, in writing, at the Information Desk on the first floor of the new Rogers Building.

The function of the committee is to acquaint the faculty with student views regarding work at the Institute in order to foster closer harmony between students and faculty.

## ISSUES

The Tech regrets to announce that the results of the Voo Doo Temperance Poll which it had agreed to print in this issue will not appear until some later date. At midnight it was learned by the staff that through slight error on the part of the men of Voo Doo the votes had not been counted. However, it is fairly definite that the ballots have not been destroyed. At present one of the school's funny men assures their public and ours that 410 of the ballots are residing in a strong box in the Voo Doo office except for a few which are in the hands of the General Manager. However, their General Manager denied that there were any in the Voo Doo office, and knows the whereabouts of only the 40.

It is truly deplorable, at a time when the undergraduates of Technology are breathlessly waiting to learn whether or not they may continue drinking without arousing the censure of the more conservative element, that Voo Doo cannot be depended upon to bring enlightenment. Responsibility for the gross negligence was deftly passed about between the staff members of Voo Doo last night as frantic efforts to bring the vital statistics before the public proved of no avail. All that could be ascertained

(Continued on Page 2)  
Issues

## Physical Society Inspects Van de Graaff Generator

A group of twenty-five members of the Physical Society were supported thirty feet in the air by two columns of insulating paper only five-eighths of an inch thick last Wednesday as the party inspected the two giant electrodes of the Van de Graaff generator on Vassar Street. Following a lecture by Professor Van de Graaff on the electrostatic program at Technology, the group was led through the laboratories of the huge machine by Professor Van Atta of the Physics department.

#### Structure Explained

The internal structure of the generator was first explained by Professor Van de Graaff's lecture, and the tour of laboratories following the meeting enabled the students to observe the details which he described. The two metal spheres, fifteen feet in diameter, which formed the terminals of the apparatus at its previous location at Round Hill now intersect to form a single electrode in its new site at the Institute. The electrode is supported by two insulating columns, through one of which run endless rubber-fabric belts that convey the charge to the terminals until the extreme potential of five million volts is obtained. The discharge then takes place down a vacuum tube, contained in the other column to a lead target in a room beneath which emits such strong radiation that a near-by piano factory must be protected by a thirty-inch concrete wall. Although the electrode wall is at such a high potential when the machine is in operation, it is perfectly safe to be inside since no electric field exists inside a charged conductor.

## Dean Emerson To Leave Post In Fall Of '39

### Walter R. McCornack Will Head Architecture Department

#### NEW DEAN WELL KNOWN

Professor William Emerson, Dean of the School of Architecture for almost twenty years, will retire next autumn, President Karl T. Compton announced last night. Mr. Walter R. McCornack, '03, of Cleveland, Ohio, noted architect and authority on housing, is to be the new head of Course IV.

Dean Emerson has been head of the department of Architecture since he joined the faculty in 1919 after a notable career in architecture in New York, where he specialized in the design of bank buildings and model tenements.

#### Designed College Buildings

Mr. McCornack, who is noted for the designing of school and college buildings, is a native of Oneida, Illinois. He was educated at Knox Academy and Knox College in Galesburg, Illinois, and at the Institute's School of Architecture, graduating in the class of 1903.

Early in his career he was associated with the late Guy Lowell in the development of plans for the Boston Museum of Fine Arts. Later he was

(Continued on page 3)  
New Dean

## Sales Open Dec. 5 For Senior Week

### First Issue Of This Year's "Senior Super-heater" Out Tomorrow

Sales of Senior Week options will continue from December 5 to 9, the Committee announced last night. It was also revealed that the first issue of the "Senior Super-Heater" will be out tomorrow.

The blanket options are priced at \$3.50 and may be redeemed at \$3.00, bringing the total cost to \$11.50, which is \$3.50 less than the cost of the tickets if bought individually. This blanket ticket includes all the events of Senior Week—the Tea Dance, Pops Concert, Ball, and Banquet.

#### To Make Definite Budget

The reason for offering the options sooner than usual was given by the chairman of the Senior Week Committee, Robert C. Casselman, '39. He explained that sales are being held early this year in order that the Committee may be able to have a definite budget on which to base their plans. He further urged the members of the class of '39 to cooperate with the committee by buying their blanket options now.

## United Air Lines Offers Special Christmas Rates

Several special planes will be run from New York to Chicago, and Midwestern cities, at the beginning of the Christmas holidays, returning at the end of the vacation. There will be a 30% reduction on regular rates.

The planes are to be United Air Lines Douglas Mainliners, and the number of planes run will depend upon the number of men interested. The first plane will leave New York at 1:45 P.M. on Thursday the 22nd, arriving Chicago at 5:40 that afternoon. A train making connections with the plane leaves Boston at 7:30 A.M. The

(Continued on Page 4)  
Air Travel



# The Tech

Vol. LVIII Tuesday, November 29, 1938 No. 47  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

## Managing Board

General Manager ..... David A. Bartlett, '39  
Editor ..... A. Lawrie Fabens, Jr., '39  
Managing Editor ..... Edwin K. Smith, Jr., '39  
Business Manager ..... George Dadakis, '39

## Associate Board

### Assistant Editors

John G. Barr, Jr., '40 Robert K. Prince, Jr., '40  
William S. Kather, '40 Phelps A. Walker, '40  
Wylie C. Kirkpatrick, '40 Russell T. Werby, '40

## Business Associates

John W. Blattenberger, '40 Robert K. Deutsch, '40  
Leslie A. Sutton, '40

## Offices of The Tech

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.  
Telephone KIRKland 1882  
Business—Room 301, Walker  
Telephone KIRKland 1881

## SUBSCRIPTION, \$1.50 Per Year

Published every Tuesday and Friday during College year,  
except during College vacation.

Entered as Second Class Matter at the Boston Post Office

REPRESENTED FOR NATIONAL ADVERTISING BY  
National Advertising Service, Inc.  
College Publishers Representative  
420 MADISON AVE. NEW YORK, N. Y.  
CHICAGO • BOSTON • LOS ANGELES • SAN FRANCISCO

1938 Member 1939

Associated Collegiate Press

Distributor of

Collegiate Digest

Night Editor: Harold E. Dato, '41  
Proof Reader: David A. Bartlett, '39

## REMEMBER TO BUY

### CHRISTMAS SEALS

Probably nearly every student at the Institute has in the last week received a sheet of this year's Tuberculosis Christmas Seals, with the request that he return either the seals or the sum of one dollar. And probably many of the students, who have so far this year been besieged by the Gym Drive Fund, the T.C.A. Fund, and the Red Cross, are going to merely return the seals or do nothing at all about them.

That is perhaps a natural reaction in the present saturation of the student body donation market. But natural or otherwise, it is one case where the instinctive response is not the just or human one. If the Tuberculosis Association's request had been the first to reach the student body, on its own merits it would most likely have been over-subscribed.

There is no doubt of the merits of the request. When it is realized that approximately sixty per cent of a college student body is at some time exposed to tuberculosis, and this is coupled with the fact that the activity of the Tuberculosis Association has in the last forty years reduced the death rate in Cambridge from almost 250 per hundred thousand to less than fifty, the desirability of such activity is evident.

Let us therefore, when we go home tonight, take a second look at those stamps, and consider for a moment just what they represent—the thousands saved from a lingering death and given a fresh hold on life, the years of labor and privations suffered by the men who have found how to conquer the disease, the eternal Christian symbolism and spirit made concrete by a simple act of giving with good will. And then let us keep the stamps and send in a dollar.

## HAVE WE

### TIME TO EAT?

Of all places in Walker Memorial, a clock would be most useful in the main dining hall.

There is the bell system, of course. But when we are eating our lunch leisurely it is quite a shock to be reminded suddenly that it is not as early as we had supposed. All we can do is to grab a last piece of cake, wash it down with some coffee . . . and run! It happens ever so often. A clock would be a great help and convenience.

## WHERE IS THE SCHOOL SPIRIT?

Many of the sports in which Tech engages in intercollegiate competition are not, as they are played here, spectator sports. Lacrosse, fencing, gym, soccer, cross country, and rifle are all carried on at the Institute among conditions unfavorable to the attendance of large crowds of cheering spectators—there are no grandstands, or the games are played in localities difficult to reach.

There may be in those cases above mentioned, some slight excuse for their lack of popularity among Tech students. But the two sports whose seasons are about to begin, hockey and basketball, offer every possible advantage to enthusiasts, partisan or otherwise. They are both indoor sports and played on comparatively small spaces; in both cases, the playing space is well equipped with seating capacity. Both are vivid sports, abounding in action and color, easy to follow and simple to understand.

Those are good reasons why Tech should turn out to see their teams in those two sports this winter. But it takes more than logic to make a man cheer for his team; it takes a certain amount of pride in his school's name and reputation, and a certain amount of desire to see it top its neighbors, whether in science or sports. We all have that pride and that desire, suppose we get out and show it this year!

## SCIENCE IN BRIEF

By ARTHUR M. YORK, '38

### 5000 Years Hence

So that the humans of the year 6939 may get an idea of the customs and environment of their 5,000-year-old ancestors, a seven-foot metal capsule is being buried in 50 feet of muck below the site of the Westinghouse building at the New York World's Fair. The capsule, the compartments of which have been evacuated and nitrogen-filled, contains forty common objects, such as pencil, camera, woman's hat, cigarettes, and toothbrush, and a microfilm reproducing more than 23,000 ordinary book pages. Multi-lingual texts and a dictionary are being included in order to aid the people of 6939 in translating the records; word of the location and contents of the "Time Capsule" is being printed with permanent inks on 100 per cent rag paper and placed in libraries and museums throughout the world in the hopes that one or more of them will survive the 5000-year interim. (1)

### Improved Traffic Lights

Certain physicians believe that the nervous systems of automobile drivers would be benefited by a change in style of traffic light. The sudden and unexpected change of lights has an effect on the human nervous system which is known as "collision" of stimuli. It has been suggested that a more appropriate traffic signal might be constructed along the lines of a clock dial with a circular glass panel illuminated from behind and divided into sectors, a green one at the top, a red one at the bottom, and two intermediate yellow ones at the sides. A single revolving hand would point to the various sectors in succession. With this type of signal in use, the driver of the vehicle would be able to see about how much time remained before the changing of the traffic and there would be no tenseness while waiting for a green light nor any fear when approaching a green light at high speed. (2)

### Pepys Used Slide Rule

Samuel Pepys leaves record in his ever famous diary of the fact that he was a pioneer in the use of the slide rule based upon a logarithmic scale and was no doubt the first to apply the name "slide rule" to the invention. (3)

### Government Research

Agricultural research and engineering research, primarily for national defense, consume about 75 per cent of the research expenditures of the United States government. About the same amount is allotted to each phase. (4)

For more complete discussion of the above items, consult recent periodicals as follows: (1) Scientific American, Nov. 1938, p. 232; (2) Journal of the American Medical Association, Sept. 24, 1938, p. 1166; (3) Science News Letter, Nov. 19, 1938, p. 328; (4) Science News Letter, Nov. 19, 1938, p. 321.

## Reviews and Previews

METROPOLITAN—James Cagney and Pat O'Brien in *Angels with Dirty Faces* and the Jones family in *Down on the Farm*.

UPTOWN—Deanna Durbin, *That Certain Age* and Joe Penner in *Mr. Doodle Kicks Off*.

TREMONT—Carole Lombard in *True Confession* and Gary Cooper and Ann Harding in *Peter Ibbetson*. An amazing doll is also on exhibition.

REPETORY AND SQUARE—Wayne Morris in *The Kid Comes Back* and the Goldwyn Follies with the Ritz Brothers.

UNIVERSITY—Hold That Coed starring Joan Davis and Broadway Musketees. Wednesday, review day, brings back *Nothing Sacred* and *Second Honeymoon*.

SYMPHONY HALL—The next regular pair of weekend concerts on December 2 and 3 will feature Beethoven's "Missa Solemnis". A chorus from the Harvard Glee Club and the Radcliffe Choral Society, with G. Wallace Woodworth, leading, will join the orchestra, conducted by Dr. Koussevitzky in the performance of the Mass. Soloists will be Jeannette Vreeland, Soprano; Anna Kaskas, Contralto; John Friebe, Tenor; and Norman Cordon, Bass. The organ will be played by E. P. Briggs. It is announced that a series of five pairs of concerts will be offered beginning December 26 and 27. Yehudi Menuhin will give a recital here on Sunday afternoon, December 11.

COPLEY—The Federal Theatre presentation of Christopher Marlowe's *Doctor Faustus*. Entering its second week, features Glenn Wilson as Dr. Faustus. The piece has been adapted and staged by Eliot Duvey. The Dramashop plans to attend in a party Wednesday night. Any Institute men wishing to attend Wednesday's performance may obtain tickets at reduced rates.

FINE ARTS—Club de Femmes, new French film with Danielle Darrieux and Elso Argal, ends its run here

## Just across the way

Students, we serve

Special Hot Luncheons  
As Low As 25c

All Home Cooking  
Done by Women

"You will like our food"

CORNER TEA ROOM

136 Mass. Ave. at Vassar Tel. Kir. 9693

## FLY WITH WIGGINS AIRWAYS

At Two Conveniently-Located Airports  
MODERN PLANES—VETERAN INSTRUCTORS  
Municipal Airport East Boston  
EAST Boston 2030  
Metropolitan Airport  
Norwood  
CANTon 0210

**FOOD**  
*you will really*  
**ENJOY**  
**Saucy-Gay REVUES**  
*The SMART*  
**Latin Quarter**  
*in the TOWNE CLUB*  
**46 WINCHESTER ST. LIB 3286**  
*Open 5PM to 2AM*

## Issues

(Continued from Page 1)

by your reporter was gleaned in a statement by Voo Doo's General Manager at the renowned Flamingo while watching a fan dance. He said, "We may say with a reasonable degree of assurance that there were 450 votes cast, and I will count them tomorrow."

And so we lay aside our pen with a final stern reprimand which we hope will make the funny men reform in their slovenliness.

Voo Doo, Voo Doo the world may never know

What Tech men think, and if they drink

Because you've been so slow.

today. Tomorrow brings Bob, Son of Battle, which ran in New York under the designation, *To the Victor*.

LOEW'S STATE AND ORPHEUM—Robert Donat and Rosalind Russell in *The Citadel* and *Blondie*. Starting Thursday, *The Young in Heart*, with Janet Gaynor and Douglas Fairbanks, Jr.

KEITH MEMORIAL—Drums, starring Sabu and Raymond Massey and *Swing That Cheer*, also Walt Disney's *Ferdinand the Bull*.

## ELIOT FLOWER SHOP

Specializing in  
Corsages

Special Rates to Tech Students  
87 MASS. AVE., BOSTON  
KEN 6470

## Special Discount to Tech Students

SHELL GAS

at 3c Discount

ALSO ON

Motor Tune Up, Delco  
Batteries and Ignition

## Superior Electric Service

266 MASS. AVENUE  
CAMBRIDGE  
TEL. TRO. 5009



# Crosby Leads 1939 Harriers

## Hedlund Addresses Cross Country Team At Final Affair

Dan Crosby, '40, was unanimously re-elected captain of the varsity cross-country team last Wednesday evening, by the largest number of harriers ever to attend TECH'S annual post-season banquet.

Richard M. Dunlap, '40, 1938 cross country manager acted as toastmaster for the banquet which was held in the Faculty Dining Room. Captain Crosby; "Jim" Alexander; Bob Bowie, Field Coach; "Doc" Johnson, trainer; Robert E. Touzalin, '39, 1937 manager; Parks Toolin, only Senior on the 1938 varsity; and Oscar Hedlund, Coach; spoke.

### Cross Country is on the Upgrade

Oscar pointed out that cross country is on the upgrade after one of its periodical slumps. This year's varsity defeated Massachusetts State, Northeastern, and Tufts, and were defeated by Connecticut State and Yale. They finished seventh in the New England Intercollegiate at Franklin Park; twelfth in the I.C. 4A. Meet at New York.

Members of the 1938 varsity were Dan Crosby, '40, Parks Toolin, '39, Ed Lemanski, '40, Stanley Backer, '41, Lester Gott, '41, Jack Wallace, '41, and Lawrence Turnock, '41. Outstanding freshmen include Arthur S. Gow who finished 13th in the freshman I.C. 4A. race, Eugene J. Brady, Jr., William C. Colepaugh, and Frederick M. King. Gow and King were co-captains. The freshmen also took seventh place in the New England.

## M.I.T.A.A. Gives 101 Awards To Field Day Men

Numerals will be awarded to the members of the winning Field Day Teams it was announced by the M.I.T. Athletic Association last week. As has been the custom in past years, the members of the tying teams will also receive their class numerals. Those listed below may receive their certificates and numerals at the A.A. Office, 310 Walker, any afternoon from 2 to 6 p.m.

The following are members of the victorious freshman crew: Boise, W.; Farrington, S.; Phaneuf, P. H.; Smith, Tracy; Shaw, R. S.; Anderson, B.; Helm, H.; Briggs, J.; Wengenroth, R. 1941, winners of the relay race: Berry, J. R.; Booth, A. B.; Bowker, A. H.; Fykse, L. D.; Heimer, H. N.; Hensel, R. W.; Jester, L. T.; Lyons, J. F.; Meyers, W. J.; Muller, L. J.; Renner, J. J.; Russe, L. J.; Sumner, E. V.; Wallace, J. F.; Freeman, P. B. 1941, winners of the tug-of-war: Gable, H. E.; Abel, M. A.; Brown, G.; Canney, F. C.; Johnson, H.; Staros, B.; Hasert, C. N.; Ball, F. J.; Aker, W. W.; Delano, R.; Hahn, C. H.; Klyce, J. M.; Kriz, J. J.; Wooley, R. L.; Gladding, P. R.; Coder, F. T.; Kispert, E. G.; Scott, B.; Galban, J.; Avery, H.; Blum, R. G.; Walkowicz, T. F.; Olson, C.; Schwindler, W. R.; Storr, D.; Kryeski, W. J.; Folberth, W. M.; Smith, A.; Ludwig, J.

Sophomores receiving numerals for football are: Adelson, H. J.; Alfred, R. M.; Bensusan, A. L.; Bone, J. E.; Cadogan, W.; Ferris, T. V.; Fletcher, A. A.; Fonseca, J. V.; Hooper, W. K.; Hustvedt, E. H.; Jerome, F. J.; Koss, I.; McGuire, M. R.; Meyers, I.; Sage, N. M., Jr.; Sexton, J. F.; Shapira, N. I.; Simkins, H. B.; Storm, F.; Turner, F. H.; Wilson, J. L.; Winialski, R. R.; Marcus, M. J.

Football numerals won by the freshmen are as follows: Aniz, E.; Arnold, J.; Childers, J.; Christison, D.

### 1939 Harrier Captain



Dan Crosby, '40

## Football Tourney Comes To Close

### Phi Mu Delta Wins Beaver Cup; Munroe Dorms Take Second Place

Emerging victorious for the second year in succession the Phi Mu Deltas won the annual Beaver Key touch football tournament by a narrow margin of five points. Munroe Dorms trailed close behind with fifteen points, followed by the Phi Gamma Deltas with ten, and the Sigma Alpha Epsilon with five.

The final game of the Round Robin between the Phi Mu Deltas and the Munroe Dorms scheduled for last week-end was not played because of the sudden change of weather, and the championship was given the fraternity because they had scored more points in competition.

### Results Count for Beaver Key Trophy

Each team of the thirty-eight entered in the intra-mural tourney will be awarded a point for every game played in the eliminations, and the four semi-finalists who participated in the Round Robin will receive ten points for each game won. These points are to count in the grand total for the Beaver Key Trophy which will be awarded to the organization having the highest number of points at the end of the year's competition.

The cup for the football tournament will be awarded to the Phi Mu Delta fraternity for the year at the next meeting of the Beaver Key society, honorary athletic society for Juniors.

Crosby, R.; Dodson, C.; Finger, J.; Flipse, J.; Foote, E.; Given, R. H.; Madwed, J.; McGuire, M.; O'Connor, J.; Sibley, P.; Webb, G.

The following have won numerals for their managerial work from the class of 1941: Bohr, K., Soph Relay; Heist, J., Soph tug-of-war; Thorpe, B. Soph Football.

Freshman managers are: Gander, F., football; Hense, W., crew.

The following have been awarded numerals for their excellent work as coaches: H. G. Wright, '40, freshman football; J. Wingot, Sophomore Football; D. Goodman, '40, freshman tug-of-war; N. Ferreira, '39, Sophomore tug-of-war.

New Clothes  
Dress for Rental  
READ & WHITE  
111 SUMMER ST. BOSTON

## FOR SALE BANTAM CAR

A REAL BARGAIN!  
1938 Coupe, very little  
mileage, splendid con-  
dition. Priced right for  
quick sale.

Telephone Mr. Green  
at Elliot 7700 for ap-  
pointment.

## Marksmen Lose To Wakefield By Small Margin

### Low Prone Scores By Tech Smash Lead Gained At Standing

Unusually low prone scores on the part of the varsity rifle team brought about its defeat in their second match of the year last Friday evening when the Beaver marksmen met the Wakefield Rifle Club at Wakefield, Mass.

Firing a team total of 395, the Engineers were outshot by a margin of 18 points when the Wakefield Club turned in a total of 913 for the very high average of 182.6 per man. The Beavers outshot their opponents by three points in the standing position, but three possible 100's fired by the victors caused them to outpoint the Technology team by 21 points in the prone position.

### Whitaker Stars

The most creditable score was turned in by David C. Whitaker, '39, who shot a 97 prone and a 90 standing for an individual score of 187—two points short of the Institute record. Others to place for Technology were Harper with a 180, Lewis with a 177, Meyer with a 177, and Davis with a 174. High man for Wakefield was Robinson who fired 100 prone and 86 standing for a total of 186.

## New Dean

(Continued from Page 1)

engaged by the Worcester Museum of Arts for preparation of a program and preliminary plans for the museum building.

### Served on New York Committee

In 1936 Mr. McCormack was appointed by the Board of Education of New York City to a commission which made a study of the city's school building problems. Since 1925 Mr. McCormack has designed schools and college buildings in Illinois, Ohio, Virginia, Kentucky, and Connecticut. He has devoted himself principally in the past eight years to housing projects, a notable example of his work being the slum clearance program in Cleveland.

The new dean has been a lecturer at various universities, including the schools of education of the University of Chicago, Yale University, Ohio University, and Peabody College. He has also spoken on the lighting problems of schools at the Case School of Applied Science, and has given a yearly course of lectures on professional practice at the Cleveland School of Architecture at Western Reserve University.

# SPORTS COMMENT

Next Tuesday marks the official opening of Technology's winter sports season as the basketball team swings into action against its archenemy, the Harvard Crimson. The game will be played in the Hangar Gymnasium. Tech students with their bursar cards will be admitted free. It's a good chance to see the varsity five in action and a surprise might even be in store for Institute followers.

Last Saturday morning saw a blond, stocky Tech man run to catch a train just leaving for New Haven where the soccer team was scheduled to play Yale. After barely making the train, anxious student, who is, by the way, captain of the soccer team, made his way thru the train looking for his teammates. But a strange realization came to this athlete when, after looking in every conceivable place in the train, he failed to find the team. However, like all Tech men, he was not one to give up and he continued the search until the train came to Providence. At Providence at the insistence of the conductor who had been demanding his ticket our worthy athlete promptly left the train and called up Boston only to find that the game had been called off.

Coach Gary Wright is swiftly getting his freshman basketball team into shape. Wright has taken the job extremely seriously and should the freshman team not be successful this year, the blame certainly won't fall on him. Saturday afternoon practice has been added to the regular freshman sessions in hopes that this extra time will improve the team.

## Inclement Weather Halts Tennis Tourney In Final

Delayed by bad weather and vacations, the varsity and freshman tennis tournaments have reached the final round, only to have the recent snowstorm prevent a play-off.

Philip D. Bush, '39, winner last year, and Tseng Y. Shen, G, reached the finals in the upperclass tourney; while Franklin M. Cist, '42, and Maurice M. Katz, '42, survived the semi-final round in the freshman draw.

### Finals Will Be Played in Spring

According to Carl A. Chamberlain, '40, manager of tennis, the finals will probably be played off before the tennis rally early next spring. However, if the players wish to wait until later in the season when they have had some practice, they may postpone the playoff until after the tennis season is well under way.

## Architects

(Continued from Page 1)

and it is expected that he will discuss his latest research work, the Suspended House, a model of which will be exhibited in the William Emerson room today and Wednesday.

Tomorrow at eleven A.M., Mr. Churchill will deliver a lecture, which is open to the public, on the subject "Planning Techniques for Low Cost Housing." Mr. Churchill has had wide experience in the housing field, having been one of the architects for the towns built by the Federal Government, and also Consultant to the New York City Housing Authority.

Mr. Nelson, although a native of Chicago and a Princeton graduate, gained his architectural education at the Ecole des Beaux Arts in Paris, where he graduated with distinction. Since then, he has received commissions from the French government, was once engaged in this country as a consultant, and has only recently completed plans for a medical center at Lille, France.

## Beaver Key Squash Is Ready For Third Round

Out ahead at the beginning of the third round in the eliminations of the Beaver Key squash tournament, the Sigma Chi, Delta Psi, and Phi Sigma Kappa fraternity teams are in sight of the semi-final Round Robin, each having to win only one more game to be eligible.

The Round Robin was originally scheduled to open this week-end but it will be postponed until December 5th or 6th because so many teams are behind in playing off their games.

Thirty-nine teams entered the tourney. The two commuter squads defaulted in the first round but Bemis, Craft, and Hayden remain to represent the dormitories. Bemis is scheduled to meet Craft in the second round.

PIPE  
SMOKERS

THE  
WALTON

30% AROMATIC BLEND

Walton Lunch Co.

Morning, Noon and Night  
You will find All Tech at  
78 Massachusetts Avenue  
CAMBRIDGE

QUICK SERVICE  
APPETIZING FOOD  
POPULAR PRICES  
Quality First Always  
THAT'S  
WALTON'S

1030 Boylston Street  
Convenient to Fraternity Men

I'VE GOT A DATE  
WITH A DREAM

...to Dance  
to the Music of  
Guy  
LOMBARDO  
AND HIS ROYAL CANADIANS

DINNER & SUPPER DANCING  
nighly except Sundays  
ROOSEVELT  
GRILL  
MADISON AVE.  
AT 45TH STREET  
Private Passageway from Grand Central  
TELEPHONE MU 6-9200 FOR RESERVATIONS

SPECIAL STUDENT PLANE TO CHICAGO

\$69.50 Round Trip

Train to New York—United Air Lines to Chicago

STUDENT AIR TRAVEL BUREAU

7:00 P.M. — 12:00 M. TRO 6046

RADIO COMMUNICATION SPECIALS

Special RADIO POWER TUBES for transmitters, rectifiers, television and amplifiers, photo and cathode ray tubes carried in stock at lowest prices in years.

R.C.A. — EIMAC — GAMMATRONS — RAYTHEON  
FREE CATALOG and SPECIFICATIONS on request

PIEZO ELECTRIC CRYSTALS

A very complete assortment of Bliley and Valpey, mounted and unmounted, for your selection at usual attractive trade prices.

Transmitting Antennae  
NEW JOHNSON Q BEAMS  
NEW PREMEX VERTICAL  
RADIATORS

Coaxial Cable, Insulators  
Accessories  
Inquiries solicited

COMMUNICATION RECEIVERS

NATIONAL: HRO — NC100 — NC101X — NC81 — NC44  
HAMMARLUND: Super-Pro Receiver  
HOWARD: 450A — 440 — 430  
All at current low prices — Time Payment Plan

Transmitters or special equipment built to your specifications. We shall be glad to consult with you on any special requirements.

H. JAPPE COMPANY  
46 CORNHILL - BOSTON, MASS.

LAF. 0510  
WORCESTER, MASS. DOVER, N. H. MANCHESTER, N. H.

MAKE YOUR OWN  
XMAS CARDS  
COMPLETE OUTFITS  
(NEGATIVES, EMBOSSER, ETC.)  
\$2.25  
EMF  
Camera Exchange  
430 MASS. AVE. CAMBRIDGE.



## CALENDAR

### TUESDAY, NOVEMBER 29

- 1:00 P.M. Architecture Department Luncheon—Silver Room.  
 5:00 P.M. M.I.T.A.A. Meeting—East Lounge.  
 5:00 P.M. 5:15 Club Directors Meeting—West Lounge.  
 6:30 P.M. Propeller Club Dinner—Silver Room.  
 8:00 P.M. Alpha Chi Sigma Smoker—Faculty Dining Room.

### WEDNESDAY, NOVEMBER 30

- 3:00 P.M. A.S.M.E. Trip—Main Lobby.  
 5:00 P.M. A.S.U. Meeting—4-270.  
 6:00 P.M. Senior House Dinner—North Hall.  
 6:30 P.M. Course XV Grad Dinner—Silver Room.  
 6:30 P.M. Worcester Tech Alumni Dinner—Faculty Dining Room.  
 7:30 P.M. Beaver Club Initiation—Copley Square Hotel.

### THURSDAY, DECEMBER 1

- 5:00 P.M. Institute Committee Meeting—East Lounge.  
 6:30 P.M. Debating Team Dinner—Silver Room.

### FRIDAY, DECEMBER 2

- 6:00 P.M. A.S.M. Dinner—North Hall.  
 9:00 P.M. Sophomore Dance—Parker House Roof.

### Air Travel

(Continued from Page 1)

total cost of the trip, covering train fare to New York, transportation from the station to airport, and fare to Chicago and return, is \$72.50. This plane is run for the students of Tech and Harvard. A second plane follows the same schedule on Friday, being for Tech men, costing \$69.50, or a saving of about 30% over the regular fare. On the return trip, the planes leave Chicago at noon, Jan. 2nd, the passengers arriving in Boston at 11:00 P.M.

As many will be accommodated as possible through the use of several planes, and if there are a sufficient number interested, there will also be planes to St. Louis, Minneapolis, and other mid-western cities at a special rate.

Accommodations may be made by calling The Student Air Travel Bureau at Trobridge 6046 between 7:30 P.M. and 12:00 P.M.

### T.C.A. Freshmen Elect Cabinet Officers Dec. 1

Election of Freshman Cabinet officers of the Technology Christian Association will be held on Thursday at 5 P.M. in the T.C.A. office, it was announced last night.

After the meeting, all the members of the Freshman Cabinet who wish to compete for the position of Business Manager of the T.C.A. Handbook are requested to confer with Howard J. Samuels, '41, for particulars.

James J. Shipman, '40, director of the T.C.A. ticket service, revealed that 845 tickets totaling \$1,469.90, were sold to Harvard football games this season. This amount is nearly twice that sold last year.

### Boit, Dalton, and Church

89 BROAD STREET

BOSTON

INSURANCE  
OF  
ALL KINDS

### Undergraduate Notice

The Walker Memorial Committee announces that in the future, for greater convenience to the activities, its hours will be from 4 to 6 P.M. Monday through Friday.

### IF IT'S FUN YOU'RE AFTER

Westchester — Lambeth Walk — Shag — Fox Trot — Waltz — Rumba — Tango

Learn to Dance at the

### Uptown School of Dancing

330 Mass. Ave., Boston Tel. COM. 0520

### JOIN ALL M.I.T.

at the

## KEYHOLE

of the

## Copley Square Hotel

Huntington Ave. at Exeter St.

SMART  
DINNER and SUPPER  
DANCING

to  
HARRY DE ANGELES  
and HIS MUSIC

NEVER A COVER  
OR MINIMUM  
except

\$1 Minimum Friday & Saturday

### CORNER COFFEE HOUSE

86 Mass. Ave.  
Boston

Breakfast 20c and up  
Luncheon 35c and up  
Dinner 50c and up

Also a la Carte

Counter & Dining Room Service  
Open 7:30 A.M. to 8 P.M.  
Closed Sundays

## Weston and Triplett

Meters in Stock

www

### WOODROW RADIO COMPANY

Wholesalers of Radio Parts and Scientific Supplies  
166 PROSPECT STREET, COR. BROADWAY, CAMBRIDGE  
TRO. 7625-7439

YOU CAN *depend* ON THIS COMBINATION



**T**ogether they  
make the United States  
admired and respected  
the whole world over

And for the things you want  
in a cigarette you can depend on  
the happy combination of mild  
ripe tobaccos in Chesterfield.

Each type of Chesterfield tobacco  
is outstanding for some fine quality  
that makes smoking more pleasure.

Combined...blended together  
the Chesterfield way...they give  
you more pleasure than any  
cigarette you ever smoked.

On land and sea and in the  
air...wherever smoking is en-  
joyed...Chesterfield's mildness  
and better taste satisfy millions.

# Chesterfield

...the blend that can't be copied  
...the RIGHT COMBINATION of the  
world's best cigarette tobaccos