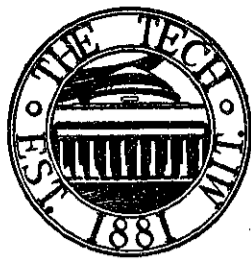


The Tech



LXIV, No. 37

CAMBRIDGE, MASS., FRIDAY, NOVEMBER 17, 1944

PRICE FIVE CENTS

Dorms To Hold Dance, Party December 15

Tickets To Be Sold From 11-2 In Bldg. 10; 5-12 To Get Liberty

Tickets for the coming Dorm Dance and Christmas Party will be on sale Wednesday, November 16, in the lobby of Building 10. The tickets, priced at \$4.80, tax included, will be on sale from 11:00 A. M. to 12:00 P. M. Dormitory residents may obtain their tickets in the dormitories on the preceding Monday and Tuesday evenings.

It has also been announced that the Navy students who wish to attend will be given special liberty for the night of the dance.

The name of the band which will play for the dance has not yet been disclosed, but it will be published in next week's issue of *The Tech*.

Special attractions of the dance will be the Christmas decorations, special lighting, and the name band; the lounge bar will also be open for the evening.

Debating Society Challenges Harvard

Browder And Murphy Represent Technology

This Saturday, Nov. 18, at 8:00 P. M. the M.I.T. Debating Society is sponsoring a debate against Harvard. E. Browder, 2-47, and Joseph Murphy, 2-47 will take the negative on the question:

Resolved, that the government should maintain permanent control of those industries which it has acquired during the war.

Last Saturday the club lost a debate to Williams College. The debate to have been held the next day against B. U. was postponed and held last Thursday, November 16. Edwin T. Bean, 2-46 and William J. Arnall, 2-46, debated Williams, while Stanford A. Fingerhood, 2-46, Robert F. Wofsey, 2-47, and Herbert Hansell, 2-46, comprised the team opposing B. U.

6-45 NOMINEES

Kirk Drumheller
George R. Dvorak
George E. McKewen, Jr.
Charles F. Street
Mary E. Sullivan

New Senior President To Be Elected Tuesday

The special elections for the president and vice-president for the Senior class are to be held next Tuesday, November 21. The polls in the lobby of Building 10 will be open from 8:30 A. M. to 5:20 P. M. The election was made necessary because the former president and vice-president, who were elected to office last October in the regular class elections, have both left the Institute.

The election will be conducted by the preferential ballot system. There will be no candidates on the ballot for the vice-presidency, since the man who receives the second largest number of votes in the balloting will automatically get that office.

Dr. Rabi, Member of Research Staff, Wins Nobel Prize In Nuclear Physics

Dr. Isador I. Rabi, a member of the staff of the radiation laboratory at the Institute, has been awarded the Nobel Prize for his outstanding work on the nucleus of the atom. A large cash award comes with the prize.

Although he has not received the exact details of the award, Dr. Rabi knows that it was made for the progress he has made in advancing the knowledge of the nucleus of the atom. He has devoted his life to this type of research since 1931 and feels that an understanding of the forces of the nucleus may revolutionize our lives as completely as has electricity. Dr. Rabi declared that there was no background of science in his family.

Was On Columbia Faculty

Before entering the radiation laboratory, Dr. Rabi was a member of the faculty of Columbia University, doing teaching and research work. He came to the Institute with many other top-ranking scientists to attempt to beat the Nazis in the war of science. After the war is over, Dr. Rabi plans to return to

Pres. Compton Discloses Institute's Extensive Plans For Postwar Development

Dormitory Comm. Officers Elected On November 13

Elections of officers and committee heads were held last Monday at the regular meeting of the Dormitory Committee in the basement of Ware Dormitory. Samuel Gusman, 2-46, a newcomer to the committee, is now treasurer and T. Nicolas Berlage, Jr., 6-45, was re-elected to the Secretarial post. Committee chairmen are as follows: Athletic, John J. Vozella, 6-45; Information, Theodore R. Blakeslee II, 10-44; Burton Room, Robert L. Bryant 6-45; Tea, C. Homer Elliot, Jr., 6-45; Dinner, John S. Standish, 6-45; Freshman, Boni P. Martinez, 2-46.

Broad New Research Program Is Outlined; New Library Planned

Broad plans for the development of special research laboratories, for the expansion of Institute housing, recreational and library facilities, and for the handling of increased post-war registration were outlined by President Karl T. Compton in his annual report to the Corporation. Dr. Compton emphasized the immediate development of laboratories for intensive study in electronics and new methods of propulsion, including gas turbines and jet engines. Establishment of a division of food technology was another project disclosed in the comprehensive plan.

In announcing plans for a far-reaching expansion of Technology facilities, Dr. Compton stressed the need for additional student housing facilities. Included in the plans are dormitory units, a second Student House, and living facilities for women students. Dr. Compton also recommended the construction of a

(Continued on Page 2)

Official Notice

Spring Term applications for undergraduate scholarship and/or loan aid by members of the Class of 2-47 must be filed not later than December 2. Application blanks are available at the Office of the Dean of Students, Room 3-108.

Inst. Comm. Meeting To Be Held Next Wed.

The meeting of the Institute Committee scheduled for next Thursday has been changed to 5:00 P. M. Wednesday, November 22, because of the Thanksgiving Day half-holiday. It will be held, as usual, in the Litchfield Lounge.

his work on nuclear forces.

One of the achievements for which he was awarded the Nobel Prize is the invention of new methods for studying the nucleus of the atom; these methods are a million times as sensitive as those previously available. These methods make use of radio waves, and can be used to measure the motion, magnetic strength, and the shape and size of the nucleus. The results of experiments making use of them have been used to draw important conclusions as to the nature of the nuclear forces.

New Forces Are Still Mystery

The nature of these forces is one of the problems which has a great attraction for scientists today. These forces are very large but are quite different from electrical and magnetic forces in that they are much stronger and have a shorter range. The exact nature of these forces is still a mystery, however.

Dr. Rabi graduated from Cornell in 1919, engaged in graduate work there, and received his Ph. D. from Columbia.

The Tech



Vol. LXIV

Friday, November 17, 1944

No. 37

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DEVELOPMENT

Recognizing that the post-war years will impose new problems, President Karl T. Compton has announced a plan of development for the Institute. In it he has shown a realization that the existing facilities and program of the Institute, though among the best in the country, can still be improved to cope with what lies ahead. Perhaps the best thing about the plan is that its provisions have already been taken in hand and that the full development of the program awaits only the return of peace.

In including in his program a widespread expansion of housing facilities, Dr. Compton has taken a big step toward filling a need long felt about the Institute. The proposal to build new dormitories and operate them on the "house" plan will go a long way to alleviate the housing problem and to create a congenial atmosphere. In the construction of these new units, including the proposed new library, there is an opportunity to increase the beauty of the campus if the crowding together of these buildings is avoided.

In the academic field the proposals set out in Dr. Compton's report have also been excellent. New and better laboratory facilities will enable students to learn, in addition to fundamental principles, the new developments in their particular fields. Many developments will be made here at the Institute and can be taught, with the aid of the most modern facilities, directly to the students. This practice would enable the Institute to send its graduates out better equipped than ever before.

Col. Waldo Kenerson, '29, Supervises Destruction of Air Base at Kweilin

Demolishing the U. S. air base that was built under his supervision at Kweilin, China, must have been an unpleasant task for Col. Waldo I. Kenerson, '29. He and his men were forced to destroy the base about two weeks ago to prevent its use by the Japanese.

Col. Kenerson arrived in China about a year ago and, using over four hundred thousand Chinese la-

borers, built the secret base from which the B-29s bombed Japan. He has been called the miracle man of American air bases in China.

Kenerson received his Master of Science degree in Architectural Engineering here in 1935. In the year before the war he worked with the Army Engineers in Maine and later did flood control work in Rhode Island.

T.E.N. To Be Sold Monday, Tuesday

The forthcoming issue of the Tech Engineering News will be sold in the lobby of building 10, next Monday and Tuesday. Articles in this issue will include many interesting topics. Professor S. L. Smith of the department of Metallurgy has written an article entitled "Metallurgy" for the "This is M. I. T." series and Mr. L. R. Norwood of the Mathematics Department has written an article on "Fourier Division."

Dr. Compton's Report

(Continued from Page 1)

gymnasium as a second unit in the Institute's recreational center.

Plans have also been made for the construction of a new library building, to be located between Walker Memorial and Building Two and connected to both. The new building would contain facilities for microfilm reproduction and viewing. The library would include seminar rooms, rooms for study and recreational reading, music rooms, exhibition space for library and art treasures, and also a small theater. Towards this end, Professor John E. Burchard has recently been appointed to the new post of Director of the Institute Libraries.

Stresses New Fields

Dr. Compton said that, besides electronics and propulsion, fields which offer for post-war industrial development are plastics, organic chemistry, special instruments, mechanisms for controlling machinery and calculating machines. The Institute, he announced, has appropriated funds for research on the mechanics of materials and in the field of applied mathematics, and provision has been made for a new hydraulics laboratory to be constructed in the near future.

While declaring that the nature of the war research in progress at the Institute cannot for reasons of security be revealed now, Dr. Compton reported that the volume of war projects this year has reached a value of \$25,000,000, an increase of

Prof. Meissner Will Speak Before A.I.Ch.E. Meeting

Prof. Herman P. Meissner will be the speaker at the first meeting of the current term of the American Institute of Chemical Engineers which will be held today at 5:30 P. M. in Room 4-270. The subject of Professor Meissner's talk will be "Aims and Purposes of the A. I. Ch. E." All students who are interested are invited to attend.

Phos Invades Wellesley

The November issue of Voo Doo is to be sold at Wellesley College. This momentous step has been taken after the magazine received a number of requests from students of that institution. To commemorate the occasion, the number has been dubbed the "Acquaintance Issue."

It is to go on sale here on Monday, November 27.

\$9,000,000 over last year. The report revealed that the overall Institute program is being carried by a staff of 5,500 research specialists and employees.

Forecasts Increased Enrollment

Looking ahead to the immediate post-war educational program, Compton said that in the period after the war the Institute will be prepared to accept on a temporary basis an increase in registration of 50% to take care of returning veterans.

Thus the temporary post-war enrollment may reach 4,500, gradually leveling off to a stabilized registration of about 3,600. It was also announced that questionnaires closed that practically all the former students who entered the service before graduation plan to turn to Technology.

Dr. Compton discussed the Institute's plan of simplification of curriculum which provides for a five-year program in the humanities. As has already been announced under the new plan meteorology, which was previously a graduate course, will be offered to undergraduates.

Returning Vets Lead Mermen

Russell Foust Back, Star Two Years Ago

With the first swimming meet just one week away, Coach Smith is hard at work attempting to select a varsity squad from a gathering which includes only a half dozen veterans of last term's team. Although hard hit by graduation, the return of several Army discharges to Tech, together with the improvement shown by members of last term's J. V. squad provides more than enough material for a winning combination.

The backstroke department seems to be well fortified with the return of Captain Nick Mumford, Dan Eckley, and John O'Shea. Harry Senhart, a veteran, and Mort Goldfarb, a newcomer, will handle the diving chores. The contest among those who are to swim breaststroke is close, as Sands, Butler, Morgan, Lasko, Assay, Buckman, Vanderbeck, and Hurowitz have all shown promise. Sprint men Howens, Henning, Moyer, Chabot, and Hayward have proved themselves to be good prospects though at the moment, Ira Smith, recently discharged from the Army, appears to be tops in that division.

Foust Returns to Varsity
Perhaps the biggest bright spot for Coach Smith in a not too dark future, is the return of Russell Foust, who swam on the varsity for two seasons. Foust, who also holds an honorable discharge from the Army, swims the 220 yd. freestyle and is the holder of several pool records. Other distance men who are expected to perform well are Coffey, a transfer from Mass. State, Bowen, who after a while in the V-12 has been transferred to the V-12 unit here, Sherman, and Collins.

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Boit, Dalton, and Church

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Tech Basketeers To Face Trinity On December 15

With the first basketball game scheduled with Trinity only four weeks away, Coach McCarthy is working hard to mold together a formidable M.I.T. basketball team.

The boys have been working out in Walker Gym every day for several weeks, but it is still too early to make any predictions. They have a few exhibition games scheduled in the near future, which should help to polish them up for the season opener.

Brown, Harvard Also Scheduled

The Trinity game will be played here on December 15, followed by a game with Tufts on December 20. Then the Tech quint journeys to Worcester to meet W. P. I. on January 6. Games are scheduled with Brown and Harvard later in January.

Squash Squad Begins Season

The squash squad, coached by Jack Summers has commenced practice in the squash courts behind the Alumni Swimming Pool with an excess of men turning out. Fifty V-12 candidates must be cut to twenty-five by the end of the week.

An "A" league has been organized consisting of the following teams: UBC Reds, UBC Whites, UBC Blues, Harvard Graduates, M. I. T., University Club. The "B" league will begin matches December 2.

First Scheduled Match

This weekend the following matches will be played off: UBC Reds at UBC Whites, Grads at University Club, and M. I. T. at UBC Blues. Three M. I. T. men, Pierce, Sonnabend, and Hewson will meet the Union Boat Club Blue team at their opponent's courts.

B. K. Round-Robin Starts Saturday

Elimination Tournament Play-off Of Five Teams

Postponed over the vacation, the Beaver Key Football Elimination Tournament was continued this term with six games played over the past week-end. These contests brought the schedule through the third round, and decided the teams entering the round-robin play-offs.

On Saturday, Kappa Sigma and Phi Gamma Delta entered the finals, the first by forfeit, and the other with a 12-0 victory over Phi Delta Theta. Sigma Alpha Epsilon defeated Sigma Chi on Sunday by 14-6, on two passes and a safety, while Delta Kappa Epsilon was taking the measure of a strong Phi Sigma Kappa outfit by a 13-0 score.

Play-Offs Saturday

The round-robin play-offs will begin on Saturday, with Phi Gamma Delta meeting Kappa Sigma, and Delta Kappa Epsilon playing Sigma Alpha Epsilon. Sunday contests schedule Phi Gamma Delta against Delta Kappa Epsilon, and Wood Dormitory against Kappa Sigma.

Post Office Jobs Available Dec. 1

All students are being informed that the U. S. Post Office in Boston has part-time positions open for them during the pre-Christmas rush starting on December 1, it was announced by P. N. Aborn, Secretary of the Student Employment Bureau.

The pay is \$.86 per hour, with a bonus for work between 6:00 P. M. and 6:00 A. M. Part-time schedules may be arranged to fit into the regular shifts.

Introduction cards should be obtained at the T.C.A. office in Walker, before students file applications at the Post Office.

Tech Harriers Nosed Out By Rhode Island

Lose N.E. Collegiates By Margin of 2 Points Meet Army, Navy Next

Tech's cross country team met its first defeat of the season last Saturday afternoon, when Rhode Island nosed out the harriers by two points for the New England Championship over the wet Franklin Park Course. After going all season in perfect condition, two of the team members ran with tough colds and were not at their best to tackle the 1942 champs.

The race of the meet was between Don Blanchard of Tufts, Ed Lemieux of W. P. I. and John Serrie of Tech. At the gun Blanchard set a terrific pace with Serrie second and the W. P. I. star at his heels. This lasted for almost two miles when Blanchard began to fade and Tech's star took the lead. At the three mile mark, Lemieux took the lead and with a half mile to go had the race sewed up. It was then a thrilling race for second as Blanchard found himself again to beat Serrie by 2/10 of a second at the finish.

R. I. Scores 42

Rhode Island scored 3-7-8-10-14 for a total of 42 points while Tech scored 2-4-9-13-16 for a total of 44.

The Tech men finished as follows: Serrie 3, Capt. Poorman 5, Ray 10, Goldie 14, Collmus 17, Umberger 21, Stewart 23. The team scores were: R. I. 42, M. I. T. 44, C. G. 61, Tufts 84, N. E. 120.

This weekend the team races over the Van Cortland Park course in New York against such teams as Army, Navy, and N. Y. U. with Navy as the favorite. Army is expected to press them and N. Y. U. also has a strong team.

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Glee Club Sings At Longwood Towers

Concerts Are Planned With Colby, Wheelock

The Technology Glee Club will present its first concert of the season at 8:00 P. M. this Sunday evening at the Longwood Towers in Brookline. Under the direction of Mr. G. S. Dunham, the Club will sing groups of songs including religious numbers and many in the lighter strain. Outstanding in the religious group are "Sheep May Safely Graze," a Cantata by Bach, and "Miserere mei Deus." Other pieces include "This is My Country" and "Brother Sing On" by Grieg.

Richard Davis, 2-47, will play several cello solos between the first and second groups, and Arnold S. Judson, 2-46, will perform on the piano between the second and third groups of songs.

The Club is also rehearsing passages from Handel's Messiah, which it will sing when it journeys to Colby Junior College on December 2. Six days later, on December 8, the Glee Club will sing in Walker Memorial together with their guests, the Wheelock Junior College Glee Club.

Rev. McCorison To Speak At Hillel Society Meeting

Rev. J. L. McCorison, Jr., New England Director of the National Conference of Christians and Jews, will be the speaker at the first general meeting of the newly-formed Hillel Society. This meeting, which will be open to all students, will be held Tuesday afternoon, November 21, at 5:05 P. M. in Room 1-190. Rev. McCorison's subject will be "Minorities in America."

Along with the Hillel Societies of Harvard, Simmons, and Tufts, the Technology group is planning to sponsor a dance on Saturday, December 9, at the Hotel Kenmore. The dance which will start at 8:00 P. M. will feature Chappie Arnold's orchestra. The ticket sales are under the general supervision of Fred Bierhoff, 2-47.

The Hillel Society, which has replaced the now defunct Menorah Society, is at present under the leadership of an organizing committee headed by Marvin Sparrow, 2-46. An opportunity will be given to all Jewish students at Technology to join the organization at the November 21 meeting. As soon after that as is practicable, the Society will hold elections and start functioning on a constitutional basis.

Square Dance To Be Held Sat.

This Sunday, the M.I.T. Outing Club is conducting a bicycling trip to Mt. Nobscott. A part of the group will cycle all the way out; the others will take the 10:20 train from South Station to Framingham and pedal from there.

Saturday evening, from 8:30 to 11:30, the Outing Club is holding a Square Dance in Memorial Hall, Harvard. Instruction will be available for beginners from 7:30 to 8:30. Tickets may be purchased for \$.40 at the Outing Club office from 5:00 to 6:00 P. M. today, or from 11:00 to 12:00 A. M. on Saturday.

Dramashop Selects Play For Term's Presentation.

The Dramashop will hold its first meeting of the term at 5:00 P. M. on Tuesday, November 21, in Room 2-178. Robert Connors, 2-46, general manager of the Dramashop, will preside over the meeting, and all old members and other students interested in any branch of dramatics are invited to attend. The general purpose of the meeting will be for the members to decide upon which play of seven already suggested by members should be presented.

A.I.E.E. To Resume Its Code Instruction Classes

The American Institute of Electrical Engineering will resume its code instruction classes on Monday, November 20, at 5:00 P. M. in Room 5-104. All those interested are invited to attend. If the demand is large enough, it may be possible to have another beginners section. Positions as instructors are available to anyone having former naval, commercial, or amateur experience.

A short business meeting of the A. I. E. E. will be held Tuesday evening at 8:00 P. M. in Room 6-120. Refreshments will be served. All interested persons are invited to attend.

Arrangements Made For Wheaton Dance

The Third Annual Wheaton Tech Dance will be held on Saturday, November 25, from 8:30 P. M. to 11:15 P. M., in Norton, Mass., as it was announced by Harold Rorschach, 2-47, president of the T.C.A. Freshman Cabinet. The dance is sponsored by the Wheaton Y.W.C.A. and is free of charge; however, the train tickets to Wheaton, which may be purchased at the T.C.A. office in Walker, cost \$1.26.

Students are instructed to make the train at 7:30 P. M. at South Station, or at 7:34 P. M. at Back Bay. All those who are interested should sign up at the T. C. A. office.

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