

## Faculty To Don Dance and Dance Street Compton

### Techtonians To Play Tonight In Morss Hall Baton Soc. Entertains

The Professors' Promenade, a party dance to welcome home the Institute's globe-trotting President, Dr. Karl T. Compton, will be held in Morss Hall at 8:30 P.M. last night. The dance, a formal affair, will be restricted to members of the faculty, the Corporation, and the Baton Society.

The "Promenade" is being sponsored jointly by the Faculty Club and the Baton Society. Music will be supplied for the occasion by the Techtonians, led by Keith P. Laney, 2-46, and vocalists Margareta Backer, 2-48, Geraldine R. Sapolsky, 2-48, and Jan L. Wittlinger,

Professor William C. Greene,  
(Continued on Page 6)

## V.S. To Sponsor Frolic Nov. 16

### Formal All-Tech Hop Scheduled Next Term

"Fall Frolic," an informal dance, will be held in Morss Hall Friday, November 16, from 9 P.M. to 1:00 A.M. The dance, which will start off the social activities of next term, is to be sponsored by the Association of Women Students. The "Frolic" is a new activity of the Association which it plans to sponsor annually. It is expected that the affair will assume proportions of the Field Day

for the orchestra are not available, but the "Techtonians" are tentatively scheduled for approximately the same time. Chaperons will be announced later.

The Dance Committee is composed of Dorothy C. Fisher, 6-45, Eleanor P. Collins, 2-46, Mary F. Penney, 2-47, Elaine M. Bickford, 6-45, Hester M. Stickley, 2-47, and Margareta I. Backer,

(Continued on Page 2)

## T.C.A. \$1000 Short Of Goal

Drive To Close Sat.;  
W.S.S.F. Gets \$350

\$1612.60, approximately two-thirds of the T.C.A.'s \$2550 goal, had been collected up to 5:00 P.M. last night. This leaves two days to raise the remaining \$1000, as the drive closes at 1:00 P.M. tomorrow. Along with this total \$343.64 has been raised for the World Student Service Fund, for a grand total of \$1956.24.

Students who have not yet been contacted are urged to stop by at the T.C.A. office and make their contribution, or fill out pledge cards. After Saturday, pledge cards will be turned over to the Registrar's office. They should be redeemed there or at the T.C.A. office before November 10.

### Credit for Donations

According to the figures released last night by Wallace N. Ross, T.C.A. General Secretary, dormitory men have given \$986.74; \$671.04 for civilians; and \$315.70 for the Navy; fraternity men have contributed \$756.25, while \$213.25 has come in from residents of private homes. The average contribution in the last category was \$7.53, that of fraternity men \$3.14, while civilian and Navy dorm men have given \$2.06 and \$1.64 respectively, on the average. Gifts range from \$.50 to \$35.64, with the average student donation being \$2.50.

## Soccer Team Wins Against Sea Bees For First Victory

Tech, Wesleyan Tangle  
Tomorrow On Briggs  
Field; J.V. 3-2 Victor

The soccer team, in the second game of the season, broke through for its first success last Saturday in a hard-fought 1-0 victory over the Davisville, R. I., Sea Bees. Tech was hard pressed all the way against the experienced opposition, a combination of professional and amateur players, but managed to guard its slim margin, obtained in the third period.

The second home game engagement is slated with Wesleyan tomorrow at 2:30 P.M. on Briggs Field. Having lost to Brown, 1-0, in the opener, Tech will be seeking its first home triumph. In its last previous engagement, Wesleyan turned back Coast Guard, 2-0.

### Dibos Scores

After failing to capitalize on a penalty kick, Tech broke the scoreless deadlock in the third quarter, when Ed Dibos, inside right, booted the ball into the net. Tech's advantage was by no means secure, however, for the host team mustered several potential scoring threats, which were turned back by the outstanding play of Goalie Finckel.

Cummings, at fullback, played a strong game to aid in holding the

(Continued on Page 6)

## Election Rules Are Violated Six Lose Vote

2-47, 10-47 Elections  
Set For Wednesday;  
Polls Open Until 5:20

Elections for the Classes of 2-47 and 10-47 will be held on Wednesday, October 10. The polls in the Lobby of Building 10, will be open from 9:00 A.M. until 5:20 P.M.

Nominations were submitted this week to the Elections Committee for the various offices. In general, there was a considerable display of either ignorance or disregard of the rules for elections established by the Institute Committee.

The nomination blanks submitted by Donald DeWitt and Richard J. O'Donnell, both of 2-47, were unconstitutional, and the nominations were withheld pending filing of correct blanks, which was done.

DeWitt's and O'Donnell's blanks were signed by the same twenty-five persons, among these being six candidates for office, namely, Robert Bowman, Richard H. Cleveland, DeWitt, Charles H. Dolan, O'Donnell, and William H. Weihl. According to the Constitution, these six candidates are automatically

(Continued on Page 6)

## Dorm Committee Elects New Treas.

Blakeslee, Gruber Resign;  
New Officers To Be Chosen

George Sawutz, 2-47, was elected treasurer of the Dormitory Committee at the last meeting, which was held Monday, October 1. He replaces Robert W. Hanpeter, 2-47, who resigned because he was overpointed.

Theodore R. Blakeslee, II, 10-44, and Alan R. Gruber, 10-45, submitted their resignations as Chairman and Secretary, respectively, effective at the end of the present term. At the committee's meeting next Monday, three of the six Seniors now on the Dorm Committee will be selected as candidates for the next term's chairmanship. Dorm residents will vote on the nominees chosen by the committee.

Those eligible for candidacy are: David G. Black, Jr., David M. Den-

(Continued on Page 2)

## NOMINEES FOR CLASS OFFICERS

### CLASS OF 2-47

President:	Donald De Witt Robert W. Hanpeter	Richard J. O'Donnell
Secretary-Treasurer:	Daniel W. Greenbaum	William H. Weihl
Institute Comm. Rep.:	Robert Bowman	John A. Contegni
(2 to be elected)	Richard A. Cleveland	
Ring Chairman:	Charles H. Dolan	Norman N. Holland
Beaver Key Society:	Richard Bakal	Norman N. Holland
(6 to be elected)	Robert Bowman	George Macomber
	John L. Cowan	Norman F. Meullen
	Daniel W. Greenbaum	William H. Weihl
	Robert W. Hanpeter	Robert A. Wofsey

### CLASS OF 10-47

President:	John W. Barriger, IV Benjamin J. Brettler	J. David Cist
Secretary-Treasurer:	William L. Whalen	William R. Zimmerman
Institute Comm. Rep.:	Albert I. Brayman	Donald K. Sampson
(2 to be elected)	Roger P. Jeanty	

# The Tech



Vol. LXV

Friday, October 5, 1945

No. 32

### Managing Board

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Managing Editor ..... Noel N. Coe, 2-46

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**Night Editor: Robert G. Wilson, 2-46**

**Assistant Night Editor: Bernard H. Geyer, Jr., 10-47**

## SOCCKER

Tomorrow afternoon Tech's soccer team will face Wesleyan in what promises to be a very spirited and hard-fought engagement at Briggs Field. This is the first season in three years that Tech has been represented by a soccer team. The men lack experience, as was illustrated in their heart-breaking 1-0 loss to Brown two weeks ago, but they bounced off the mat last week to defeat the Davisville Navy team and have a good chance to win tomorrow and go on for a very successful season.

The fellows on the soccer squad have worked hard to give us a splendid team; it would help a lot if we would go out to Briggs Field tomorrow and show them that we care. Just imagine how well a member of the team feels when his efforts culminate in a game played before rows and rows of very uninterested wooden benches.

## VETS

The Veterans' Organization, which petitioned the Institute Committee for Class A recognition last week, seems to be losing support rapidly. At an elections meeting this week, only 12 of the more than 100 veterans showed up. Elections, by the way, were not held.

## FOOD FOR THOUGHT

Either ignorance of or disregard for the rules for elections established by the Institute Committee was displayed this week by a goodly number of the candidates for various offices in the Classes of 2-47 and 10-47. The simple rules of the Elections Committee were violated or ignored by too many men to make this of merely fleeting interest. If the behavior of some of the candidates is a function of how well qualified they are, it would be very worthwhile for the members of the classes in question to think again before casting their ballots Wednesday.

## Fall Frolic

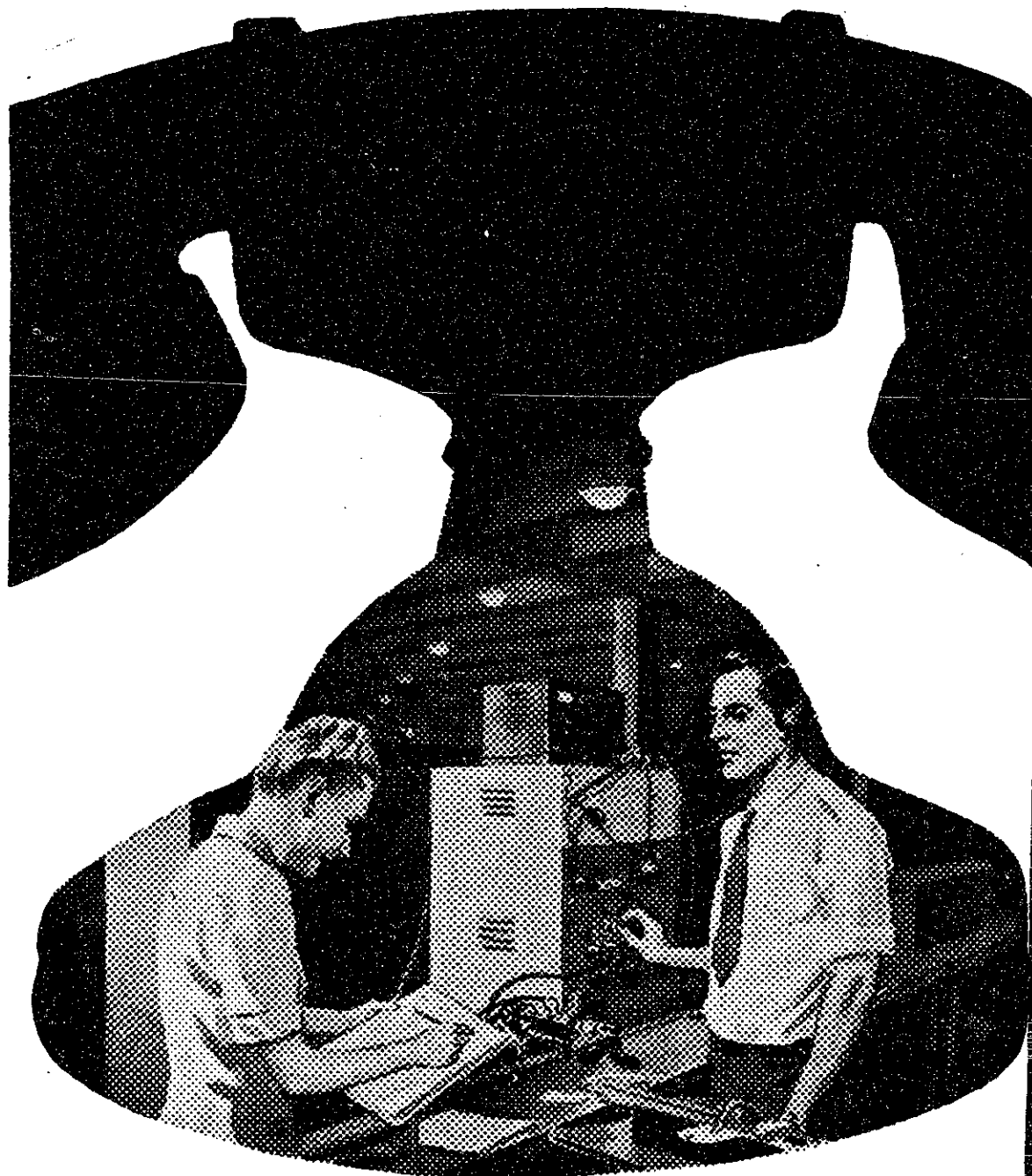
(Continued from Page 1)

2-48, orchestra, Geraldine R. Sapolsky, 2-48, tickets, Betty L. Bunte, 2-46, posters, and Constance M. Jahn, G, entertainment.

## Dorm. Comm.

(Continued from Page 1)

zer, Henry Koerner, James B. Pichler, Alan I. Sands, and Marshall P. Tulin. All are members of the Class of 2-46.



# Birthplace of

## 50,000 RADARS

TWO years before Pearl Harbor the Government asked Bell Telephone Laboratories to help perfect radar as a military instrument. The Bell System, through the Western Electric Company, its manufacturing branch, became the nation's largest supplier of radar systems.

Bell scientists designed and developed many different types of radars—each for a specific job. One particular type was standard for B-29s in the Pacific for navigation, target location and high altitude bombing. Another directed all Navy guns over five inches.

This is not surprising, for radar development and production stem from the same roots that produced and continue to nourish this country's telephone system.

### BELL TELEPHONE SYSTEM



## Sailors Stretch Winning Streak

### Tech Wins Brown Meet Easily, At C.G. Sunday

The Tech dinghy team maintained its unblemished record for the season by turning the Brown Invitational Regatta into a rout Sunday, winning with a score of 101 points, as compared to a total of 68 collected by second-place Brown and W.P.I. This week the team is again on the road, to participate in the Coast Guard Quadrangular Meet.

#### Four Teams Bunched

The Brown Meet saw four teams clustered behind Tech. Coast Guard showed the two teams tied for second by a single point, while Harvard finished one tally behind at Guard. Tufts, with 59, and Northeastern, with 55, rounded out the field.

The most outstanding performer of the day was Tech's Dan Greenbaum, who accounted for 54 points; John Brite, the other M.I.T. skipper, was runner-up in individual racing with 47.

#### Four Teams, Three Classes

The Quadrangular Meet at New Haven is divided into three different classes, one Star, one International 14, and two International 18's. The teams selected for this annual event, beside the host team, are the three colleges standing highest in the Intercollegiate Boat Racing Association.

M.I.T., the current title-holder, will send five men to defend the championship. Greenbaum will captain the Star, Brite the 14, and Lauder and Hunt the 18's; Hayden will serve as an alternate.

## How To Perform Holiday Race

The varsity crew will make its debut appearance of the season next Friday afternoon in a holiday race against local boat club competition. Although the participating teams have not as yet definitely determined, the Union Boat Club will certainly be one of competitors for the event, scheduled for 3:15 P.M.

Tech line-up reads as follows: 1, Gerhardt; 2, Kaufmann; 3, Kunk; 4, Hilton; 5, Waugaman; 6, Gergerly; 7, Stamper; Stroke, Cox, Ray.

## Football Tourney Gets Under Way Saturday, Oct. 6

With twenty-seven teams entered in the tournament, Beaver Key touch football is scheduled to get under way this week end. The 5:15 Club and Phi Sigma Kappa will lead off with a game Saturday on Briggs Field back of the Armory. On Sunday Alpha Tau Omega plays Chi Phi; Pi Lambda Phi meets Delta Kappa Epsilon; and Theta Delta Chi engages the Lenox Club.

#### Round Robin Follows Elimination

After the field of twenty-seven teams is whittled down to four, the football championship will be settled by a round robin tourney. Phi Gamma Delta is the defending title holder. The four seeded teams this year are Phi Kappa Sigma, Sigma Alpha Epsilon, Theta Chi, and the Phi Gams.

The finals in the elimination are scheduled for Sunday, November 25. This week two scheduled games—Munroe vs. Student House and Phi Beta Epsilon vs. Kappa Sigma—were postponed because of the varsity soccer game on Briggs Field Saturday afternoon.

#### Opening Round Schedule

First round pairings, by brackets, are as follows:

##### First Bracket

Phi Kappa Sigma—bye  
5:15 Club vs. Phi Sigma Kappa  
Munroe vs. Student House  
Wood—bye

##### Second Bracket

Sigma Alpha Epsilon—bye  
Phi Beta Epsilon vs. Kappa Sigma  
Alpha Tau Omega vs. Chi Phi  
Pi Lambda Phi vs. Delta Kappa Epsilon

##### Third Bracket

Theta Chi—bye  
Lenox Club vs. Theta Delta Chi  
Phi Kappa vs. Sigma Nu  
Goodale vs. Phi Delta Theta

##### Fourth Bracket

Phi Gamma Delta—bye  
Bemis vs. Walcott  
Sigma Alpha Mu vs. Delta Tau Delta  
Hayden vs. Sigma Chi

#### Track Banquet In Walker

A track banquet will be held in Pritchett Hall at 6:30 P.M., on Monday, October 15, as a send-off dinner for squad members leaving the Institute. All track men are urged to be on hand for the occasion.

### Coach Smith Calls For Swimmers

In view of the small turn out, Coach Smith reiterates his call of last week for candidates for the swimming team. Practice began last Monday with only five freshman and seven upper classmen on hand. Coach Smith stresses the need for civilian talent and refutes the alleged belief that Navy men receive preference on the team. If you can swim well enough, you will get a position on the team. Furthermore, if you are not quite ready for the varsity, you are invited to practice, since Coach Smith is not only building a team for this year, but also for next season.

## Fifty Men Respond For Cage Practice

### Twelve Encounters On Slate For This Year

A turn-out of thirty-five men last Monday has grown to about fifty during the week to provide the largest squad of basketball players at Tech in several years. Through these preliminary practice sessions, being held daily at 5:00 P.M. in the Walker gym, a squad of at least fifteen men will be formed to commence preparation for the winter schedule at the beginning of next term.

#### Twelve Games Arranged

A tentative schedule for the 1945-46 season lists twelve games to date. Tech will usher in the campaign at Harvard on December 8. Subsequent opponents are as follows: Tufts, there, December 12; Stevens, there, December 15; Northeastern, here, December 19; Brown, here, January 9; Trinity, there, January 19; W.P.I., here, January 23; Bates, here, January 25; W.P.I., there, February 2; Tufts, here, February 6; Harvard, here, February 13; Trinity, here, February 15.

#### Civilians Predominate

Contrary to recent years, the squad this season is predominantly civilian, although there are a few Navy men returning from last year's squad.

Among those who saw considerable service during the past season are Heuchling, Aitken, and Wellard. Another former regular, Evans, will be transferred from Tech at the close of the term. Craig, Meduski, and Ryan are returning substitutes of 1944-45.

## Tech Harriers Open At Tufts

### Twelve Men Will Run For M.I.T. Tomorrow

The cross country team will see its initial action of the season this Saturday at 1:30 P.M. on the Tufts course. This meet will be the first of five engagements on the harriers' schedule for this fall. Tech will meet Dartmouth and Harvard in a triangular competition at Harvard next week and Northeastern at Franklin Park the following Saturday.

#### Twelve Men Entered

Coach Oscar Hedlund will throw twelve men into the meet at Tufts tomorrow. Heading the list are Captain Serrie, Ray, Bowen, and Wangberg, veterans of last year. Keegan, Semple, Shea, Childs, Hayward, Zaworski, Ellsworth, and Handleman round out the squad.

Tufts, paced by the experienced Don Blanchard, chalked up a 22-31 win over Williams in its opener.

## Two Meets Mark Intramural Track

The final intramural track competition of the term will take place this afternoon on Briggs Field as the Interclass Meet is completed, some events having been run off yesterday. Last Saturday afternoon the Fall Handicap Meet was held.

Last week's competition was marked by seven events. Prigoff, with an aid of 0.4 seconds, won the 120-yard low hurdles in a time of 14.3 seconds. The 100-yard dash was won in 10.8 seconds by Yancey, who held a five-yard advantage. MacMullen capitalized on a fifteen-yard start to take the 340-yard dash in 39.9 seconds.

#### Advantages Aid Distance Winners

In the longer distances, Jenkins' sixty-yard advantage was good for a victory in the 660-yard run in a time of one minute, 34.6 seconds. Starting with 100 yards, Zaworski took the mile and a half in seven minutes, 38.4 seconds.

With a five foot, nine inch bonus, Jameson captured the shot put with a mark of 39 feet, one inch. The 35-pound weight also fell to Jameson, although he started from scratch in this event; the distance was 37 feet, nine inches.

## In The Spotlight

Whoever wrote the mottoes for the yearbook of the Class of 1943 at Bulkeley High School in Hartford, Connecticut, hit the proverbial nail on the head when he (or she) came to Marshall Peter Tulin. Beneath Marsh's beaming countenance is printed "few words; much action"; that tells our SPOTLIGHT story for this week in a nutshell.

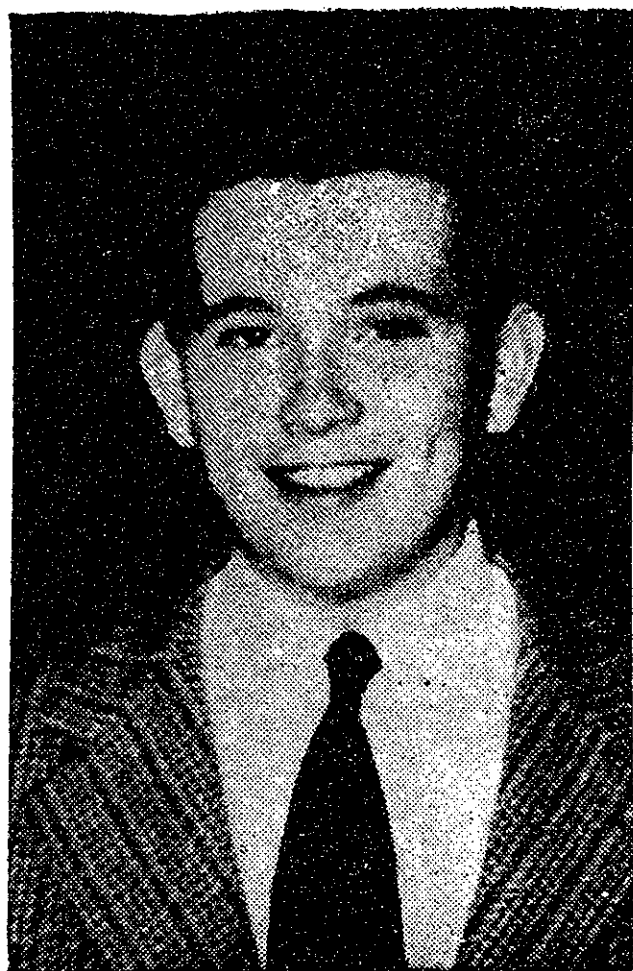
Marsh came to Tech from the Nutmeg State in July, 1943, with the Class of 2-46 and became one of the several hundred hearty individualists who lived in rooming houses in the Back Bay section while the army was occupying the dormitories. He shivered his way through the winter of 1943-44 and emerged the next spring with a reputation as something of a confirmed brown-bagger; the H's came like clock-work as Tulin worked 'round the clock.

In April, 1944, the last of the A.S.T.P. departed for places unknown, opening room in the dormitories for Marsh and some 200 other civilians. His first taste of the lime-light came when his picture appeared in *The Tech* soon thereafter as the first civilian to eat at Walker after the A.S.T.P. moved out.

That spring Marsh, whose contact with Tech activities had heretofore been limited to a brief spell in the Debating Society's freshman tournament, decided to try out for the position of assistant crew manager; that was the turning point, for he's been an activities man ever since.

The first stop up the activities ladder for Marsh was appointment as crew manager, a post which he filled with such excellence and gusto that it was followed by election as president of the M. I. T. Athletic Association. Thus, after athletes Bryant and Hewson, the A. A. now has a president whose own personal athletic endeavors have been limited to standing on line for food at Walker.

Marsh hasn't limited himself to the A. A.; he's secretary of the In-



MARSHALL TULIN

stitute Committee, a member of the Dormitory Committee and Chairman of the dorm Freshman Committee. Even with his activities load, the H's have still continued to come in, and Marsh was elected to Tau Beta Pi last term.

Unlike most of the men who have their life stories presented in a very unsavory humor (?) magazine, Marsh didn't distinguish himself by guzzling beer at the age of two. He's being spotlighted this week as an example that it can be done—that activities and high cumulatives can be mixed to give the well-known "happy medium."

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## O. C. Sponsoring Dance At Simmons Saturday Evening

A supper and square dance, sponsored by the Outing Club, will be held at Simmons College tomorrow, with the supper beginning at 5:30 P.M.

All Technology men are invited, and it is hoped that about 75 will attend. Cost of the affair, which will be held at the main building of Simmons at 300 The Fenway, will be 35 cents.

Plans are now being made for the O. C. vacation trip to the White Mountains. The tentative starting date is Friday, October 26, and the trip will probably last about a week. If weather permits, the Presidential range, including Mt. Washington, will probably be scaled; otherwise climbing will be restricted to the lower mountains. Outing Club officers said that the weather is usually clear in autumn, and that visibility is much greater than it is in summer. The group may return via the Tufts cabin at Plymouth, N. H., where an open house is to be held. The sign-up list will be posted in the lobby of Building 10 next Tuesday.

A trip to Tufts cabin will be held over the Columbus Day week-end. Members of the Outing Club who are going will leave on Thursday night, October 11. The sign-up list for this trip, which is being held in conjunction with Simmons, Wellesley, Radcliffe and Tufts has already been filled.

## Getting Named To E.E. Dept.

Radiation Executive Is A Tech '33 Man

The appointment of Dr. Ivan Getting as associate professor of the department of electrical engineering was announced recently by James R. Killian, Jr., executive vice-president of the Institute. During the war Dr. Getting was head of a division of the Radiation Laboratory at the Institute and directed research and development in the general field of radar application to gunnery and associated problems.

The apparatus developed by Getting's division was considered an important contribution toward shortening the war. An outstanding achievement of the division was the automatic anti-aircraft which distinguished itself in critical days of the Anzio beachhead and was exceptionally effective in defending London against German buzz bomb attacks. The versatility of the set is indicated by the fact that it was also used in tracking airplanes and directing them on tactical missions, especially during the battle of the Bulge in Belgium. It has been used to crack shells in flight to determine the ballistics of projectiles and has been useful in assembling bombing tables by tracing bombs released from high altitudes. Bombers found the set particularly useful in evaluating bomb damage through accurate tracking of the bombing plane. It was also employed in directing ships during mine and cable laying operations as well as the tracking of missiles to locate enemy guns.

Dr. Getting was graduated from Technology in 1933, and as a Fulbright Scholar at Oxford University was awarded his doctorate in philosophy in 1935. From 1935 to 1940 he was a junior fellow in the Society of Fellows at Harvard University, and from 1940 up to the present he has been associated with the Radiation Laboratory at M.I.T.

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## \$500,000 To Be Expended On Research And Instruction In Gas Turbine Field

Gifts totalling half a million dollars for establishing a gas turbine laboratory at the Institute for graduate instruction and fundamental research in this new and promising field of engineering, were announced recently by Dr. Jerome C. Hunsaker, head of the departments of Aeronautical and Mechanical Engineering.

Recent advances in gas turbine design indicate significant possibilities for the future and emphasize the need for specialized technical studies and the discovery of new techniques required in the construction of machines operating at extremely high speed, high temperature, and high compression. The Institute's new laboratory, which is to be completed as soon as possible, will undertake such a program. The equipment will include a supercritical wind tunnel and unique facilities for research on the elements of compressors, combustion devices, and gas turbines. Test facilities will also be provided for the operation under controlled conditions of such devices.

The gas turbine was applied with spectacular success in jet propelled aircraft and is considered one of the most important technical developments to emerge from the war. As a power plant it holds great promise for many other transportation and industrial uses.

### Importance of Field Stressed

In announcing plans for the turbine laboratory, Dr. Hunsaker said: "Recognizing the importance of the field and the need for immediate work both in research and in training of young engineers, the Institute established a faculty committee representing aeronautical, mechanical, metallurgical and chemical engineers to investigate present status and future potentials of gas turbines. The report of that committee was emphatic on one point, that the gas turbine field must be recognized as one of the most important objects of study in mechanical engineering. The Institute is fortunate in having on its staff a number of men who are recognized leaders in their respective professions and who have considerable experience with gas turbines or their component parts or in closely related fields. This concentration of experienced personnel places the Institute in a particularly favorable position to undertake a broad program combining practical and advanced technical instruction to qualify young engi-

neers to apply new knowledge for the benefit of industry.

### Other Problems Involved

"Because gas turbine design problems embody the entire range of mechanical engineering science, the subject can also be a focus for research in the aerodynamics of the flow of gases under compression, including the design of variable geometry jets, combustion, materials to resist high temperatures and many other topics.

"The Institute's visiting committee on aeronautical engineering under the leadership of Mr. Gordon S. Rentschler made arrangements for financing the project, the early realization of which is made possible by substantial grants from a group of leading industries, all of which will benefit from fundamental research on gas turbines. Those contributing to the program include, Alfred P. Sloan, Jr., chairman of the board of General Motors Corporation and a life member of the Institute's corporation; the General Electric Company; the Westinghouse Electric Corporation; the United Aircraft Company; the Hooven, Owens, Rentschler Company; and the Curtiss-Wright Corporation. Professor Edward S. Taylor is project engineer for the laboratory.

Basically the principles of what is now known as the gas turbine are far from new. In 1791 John Barber patented a gas turbine in England, and since that time there has been a long series of similar inventions. Until very recently, however, none of the ideas of the past could be put into practice. Primarily this was because metallurgical and mechanical engineering had not progressed to the point where positive results could be achieved. Metals were not available, for example, with which to build turbine blades able to withstand the very high temperature and speed demands of hot gas operation.

### Gas Turbine Simple, Cheap, Light

The future possibilities for gas turbines extend into many fields, some of which cannot yet be foreseen. It is believed they will revolutionize air, marine, and land transportation, for properly developed, they will have important advantages over present types of power plants. It is anticipated that the gas turbine will be considerably lighter in weight than the reciprocating engine. It has essentially one moving part instead of a complex arrangement of cams, pistons, and valves, and should therefore be

## Gunnarson Elected Secretary Of A.A.

John A. Gunnarson, 2-46, was elected secretary of the M.I.T.A.A. at a meeting held in Litchfield Lounge last night.

Plans were discussed for a Sports Jamboree scheduled for next term. The Jamboree is to consist of a number of home games and meets, to be held on a weekend, and will be highlighted with a large dance. Roger P. Sonnabend, 2-46, has been appointed chairman of a committee to take action on the plans for the Jamboree.

## The Tech-Voo Doo Meet In Beer-Soaked Fiasco

The Tech, official undergraduate newspaper at the Institute, played voo doo, the irregular humor (?) magazine, softball, last Saturday at Amory Field, Brookline. The final results have not as yet been determined due to a mist of controversy, insults, charges, and counter-charges, which have sprung up. The Institute Committee is reported to be investigating the use of "ringers." Three cases of beer were demolished.

more dependable in operation. This simplicity makes it relatively inexpensive to produce, while its ability to run on the cheapest forms of fuel means low operating cost.

The gas turbine is small, a feature of particular importance in marine and railroad transportation where it is expected to replace massive and cumbersome engines and boilers.

### Use In Aviation, Power Generation

In aviation there are many factors limiting the size of internal combustion engines. These limitations do not apply to gas turbines. They can be produced with power outputs many times greater than those now considered maximum for aircraft reciprocating engines.

Stationary gas turbine units have been in operation for some years, especially in oil refineries and electric power generating stations. While this latter use is, so far as is known, for emergency purposes only, it may well develop into the main method of electric power production, provided better fuel economy can be attained as a result of research.

The gas turbine promises to be the next major step in the evolution of power plants, comparable in its effect on technology with the steam turbine introduced at the beginning of the century.

## 220 Wellesley Frosh To Be At Saturday's Acquaintance Dance

All Tech Men Invited;  
Total Cost To Be \$1.35  
With Bus Transportation

Two hundred and twenty Wellesley freshmen will be on hand to welcome Technology students at the Acquaintance Dance to be held at Wellesley's Alumnae Hall this Saturday evening from 8:30 P.M. to midnight.

So far 100 students have signed up for the dance. Tickets are still on sale at the T.C.A. Office for \$0.75. The dance is open to all Institute men, both civilian and Navy. Bus transportation is available to and from the dance for those who desire it, at the cost of \$0.30 each way. The busses will leave Massachusetts Avenue at the Graduate House at 7:15 P.M. and will return immediately after the dance.

Music is to be provided by the sixteen piece Tech-tonian orchestra, featuring two vocalists. The affair, the fifth to be held, is being sponsored jointly by the W.C.A., T.C.A., and Wellesley Outing Club. The latter organization will put on a novelty show from 8:30 P.M. to 9:00 P.M. Individual tags for identification will be provided to help in the process of getting acquainted.

THEY'VE DONE THEIR PART



LET US DO OURS!

## Boit, Dalton, and Church

89 BROAD STREET

BOSTON



INSURANCE

OF

ALL KINDS

### Faculty Dance

(Continued from Page 1)

president of the Faculty Club, will officiate as master of ceremonies for a semi-vaudeville half-hour of entertainment, to be put on during the main intermission. The program, which was prepared by John S. Serafini, 10-46, will feature Jan L. Wittlinger, 10-46, Howard A. Roy, Jr., 10-46, Thomas G. Faria, 2-48, Cooper R. McCarthy, 2-48, Margareta I. Backer, 2-48, and John S. Serafini, 10-46.

The receiving line for the ball will be headed by Dr. and Mrs. Compton. Receiving with them will be Mr. and Mrs. James R. Killian, Jr., Professor and Mrs. Greene, Professor Avery A. Ash-down, Charles Dobony, 2-46, and Miss Dorothy Keane.

The committee in charge of the affair consists of Dobony, chairman; Karnig A. Berberian, 2-46, invitations and publicity; Norman N. Holland, 2-47, refreshments; Edwin F. Potter, Jr., 2-46, decorations; John F. Serafini, 10-46, director of entertainment; and Richard J. Steele, 2-46, finance and dance books.

### Elections

(Continued from Page 1)

disqualified; however, the Executive Committee of the Institute Committee made a special ruling that these nominations would be declared valid if proper blanks were submitted.

Six candidates failed to submit their nomination blanks on time. They are: DeWitt, Dolan, O'Donnell, Wiehl, and William L. Whelan, 10-47.

Bowman, Dolan, O'Donnell, and Wiehl also failed to submit their cumulatives, extra-curricular records, platforms, and photographs. Roger P. Jeanty, 10-47, failed to submit a photograph.

Six students lost their right to vote for violation of the rule which states that "no individual may sign the nomination blanks of more candidates than there are positions to be filled." This rule was printed at the top of each nomination blank.

Those losing the right to vote are Robert L. Connors, 2-47; Benjamin H. Danziger, 2-47; Robert A. Wofsey, 2-47; Raul A. Ferrand, 10-47; Robert A. Garbutt, 10-47; and Vernon Pryer, 10-47.

### A.I.E.E. Dinner Tonight Postponed

The A.I.E.E. student-faculty dinner which was to have been held tonight at 6:00 P.M. at the Smith House has been postponed until Wednesday, October 10, at the same time and place.

A trip through the Van deGraaf generator for members of the society only will be taken on Wednesday, October 10, at 5:00 P.M. Those wishing to attend should sign up in Electrical Engineering headquarters before that date.

### Soccer

(Continued from Page 1)

Sea Bees scoreless. The halfback line of Lewis, Smith, and Chabot also played a powerful game. Tech, however, has yet to see the scoring punch evinced in practice sessions develop in competition.

#### Junior Varsity Victorious

In the first formal game for the junior varsity, Tech downed Medford High, 3-2, last Wednesday on Briggs Field. Although M.I.T. scored the first tally early in the game, the count stood at 2-2 in the last

### Vets To Elect Officers At Wednesday Meeting

A meeting to elect officers for the Veterans Association will be held this coming Wednesday; the meeting was originally scheduled for October 3 but was postponed due to unavoidable circumstances. The officers elected will be in office for the remainder of this term and for the fall term.

period, when the home team broke the tie for the decision.

The Tech-Davisville line-ups were as follows:

Tech		Davisville
Finkel	g.	Murphy
Cummings	l.fb.	Reuther
Ferrand	r.fb.	Fischer
Lewis	l.hb.	Lemmon
Smith	c.hb.	Jaskolski
Chabot	r.hb.	Lagerholm
Wright	o.l.	Brown
Rizo-Patron	i.l.	Hughes
Etchenique	c.f.	Griffin
Dibos	i.r.	Nelson
Ponce	o.r.	Alexander

Substitutions:  
 Tech—Brownson  
 Davisville — Gillespie, Studer, Fabian, Engle.

# REVIEWS FOR EXAMS

Each Review consists of five two-hour meetings and costs ten dollars. Classes limited to the number who can be seated comfortably—we suggest you make your reservations as soon as possible.

<p>8.01 (5 to 7 P.M.)</p> <p>Tue. Oct. 16                  Thu. Oct. 18                  @Sat. Oct. 20@                  *Sun. Oct. 21*                  Mon. Oct. 22</p>	<p>5.01 (5 to 7 P.M.)</p> <p>Mon. Oct. 15                  @Wed. Oct. 17@                  Fri. Oct. 19                  Sat. Oct. 20                  Sun. Oct. 21</p>	<p>M-11 (5 to 7 P.M.)</p> <p>Wed. Oct. 17                  @Thu. Oct. 18@                  **Sat. Oct. 20**                  **Sun. Oct. 21**                  Tue. Oct. 23</p>	<p>M-22 (5 to 7 P.M.)</p> <p>Tue. Oct. 16                  Thu. Oct. 18                  Fri. Oct. 19                  *Sun. Oct. 21*                  Mon. Oct. 22</p>
<p>8.02 (5 to 7 P.M.)</p> <p>@Mon. Oct. 15@                  Fri. Oct. 19                  **Sat. Oct. 20**                  Sun. Oct. 21                  @Mon. Oct. 22@</p>	<p>5.02 (5 to 7 P.M.)</p> <p>Tue. Oct. 16                  Wed. Oct. 17                  Thu. Oct. 18                  @Sat. Oct. 20@                  Sun. Oct. 21</p>	<p>8.04 (5 to 7 P.M.)</p> <p>Mon. Oct. 15                  Wed. Oct. 17                  Sat. Oct. 20                  **Sun. Oct. 21**                  Tue. Oct. 23</p>	<p>@8 to 10 P.M.</p>

\*10 to 12 noon

\*\*2 to 4 P.M.

These Reviews will help you put your study hours to the best use by pointing out the important parts of the course, explaining the hard points and showing you how to solve problems.

## THE ASSOCIATED TUTORS

410 Memorial Drive, Cambridge, Mass.

KIRKland 4990