Candidates Meet Voter Challenge
In Baker-Buttery Election Debate


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Transatlantic Television
Soon Says MIT Professor

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The Tech

the college world

VOL. XXXVII
Friday, February 15, 1957
No. 3

LETTERS

To The Editorial Chairman:

I am running for the position of student government president. In my application, I am repeating the philosophy of the Student Government Association. To be elected, all the students must be able to choose their president by a vote. To fulfill this requirement, I believe that each candidate should speak in public forums and present his platform. The student government must be chosen by the student body and not by a select group of students. Only then can the student government serve the needs of all students.

Sincerely,

[Signature]

一页多处文字由学生body创建的The Editorial Co. 候选人：为学生政府Pods总统和C. 丹麦

EDITORIALS

Elections Tuesday-Vote

Next Tuesday, the student body will elect student government leaders. The main duty of these leaders will be heading the new Institute Committee in the coming year. Clearly, it is necessary to have good leaders in any form of government before good government can exist. It is for you to determine these leaders.

The mark of a successful Institute Committee is the record which it establishes with respect to legislation, handling of funds, new ideas brought forth, etc. Not to be left out, it is the matter in which the Institute Committee upholds the laws it makes. A case of this is the ban against baying the present Ioccon inherited last year. Good or bad, the rule was there and should have been either enforced or changed. After damage was done to both freshman and student government prestige, the Student Committee was formed. As a result, only contributions were being generated.

In areas such as this, a wise student government should reflect on its motions, see situations that will arise during the year, and consider his plans. In areas such as this, a student government should reflect on its motions, see where the problems lie, and develop a plan to prevent them.

The following open letter to the student body was received by the Editorial Committee, from candidates for the office of Undergraduate Association President and Vice-President:

Dear Student Body:

We are running for the position of Auxiliary Student Government President and Vice-President. In our application, we have stated that we believe in the principles of the Student Government Association. To be elected, all the students must be able to choose their president by a vote. To fulfill this requirement, we believe that each candidate should speak in public forums and present his platform. The student government must be chosen by the student body and not by a select group of students. Only then can the student government serve the needs of all students.

Sincerely,

[Signature]

[Signature]
In the Editorial Chairman:  

The office of UAVP has been changing in recent years. I want to express the feeling that the atmosphere of more efficient student government is not as prevalent as it should be. I encourage cooperation with the UAVP and others involved in student government.

...the past short while, I have been active in many campus organizations. Among them are: the Junior from Committee, treasurer of the Association of Women Students and the President of the MIT Women's Democrats UAVP. I have intended to continue my service to the school.

I feel that the students of MIT must be assured of fair representation and unbiased discussions on Institute Committee. This can be done by...

To the Editor:  

I feel that the students of MIT must be assured of fair representation and unbiased discussions on Institute Committee. This can be done by...

(Continued from page 2)

Second-Place Votes Play Important Role
In Picking UAVP

This year the voting will be on a preferential system. The system works in the following way:...

Larry Spite  

The following are among the "in-plant abolutions" which I favor:

(1) The Vice-President should serve as a liaison between the A unofficial and the nine permanent sub-committees and the...
What engineers are doing at Ford Instrument Company

GUIDED MISSILES: Typical of FICo is its work on the guidance system for the Redstone Missile and on the Army Ballistic Missile Agency's research, development and design of more advanced systems. Ford is also working with the Air Force on the guidance of the Minuteman ICBM. The techniques FICo has developed in this work have application in the design of commercial and industrial automatic controls.

ELECTRONICS AND RADAR: Ford Instrument engineers are doing advanced work in radar design, transistor work, airborne equipment, and both digital and analog computer development on the backfile of the company's research. The techniques FICo has developed in this work have application in the design of commercial and industrial automatic controls.

CLOSED CYCLE GAS-COOLED REACTOR: This promising application of nuclear power is being studied at FICo. Development of this type of reactor is based on the use of nitrogen or helium under pressure as the working fluid for direct transfer of energy from reactor to turbine. The feasibility of building such a power plant using this type of reactor is being worked on in FICo laboratories.

AIRCRAFT INSTRUMENTATION: Ground position indicators, course and distance computer and other navigation equipment developed at Ford Instrument Company are being installed in the most modern aircraft, instruments for jet engines, for radar navigation, and for search and rescue are emerging from the laboratories and into the shops of the FICo plants.

FORD INSTRUMENT COMPANY
DIVISION OF SPERRY RAND CORPORATION
31-33 University Avenue, Long Island City, New York

Engineers at Ford Instrument have exceptional opportunities

1. You get a chance to show your abilities

Ford Instrument Company is large enough to offer a variety of interesting work, and small enough to give you the engineering stimulation and opportunities for individual achievement. Your engineering knowledge and abilities will certainly be put to the best possible use. The people you work with are friendly, informal, and the opportunities for advancement are unlimited.

2. The work involves... America's future

On this page are shown a few projects which Ford Instrument engineers have worked on. There are many others, but they all have one thing in common: They are vital projects encompassing a variety of technological advances. They are important steps in the scientific and industrial progress of the country.

3. Job benefits are unusually liberal

Salaries are as good or better than offered by other companies in the field. There are many other job benefits, such as payment by the company for full tuition for advanced study, pension, and insurance. Your future at Ford is secure, because only positions of permanency are offered.

4. Advanced study is at your doorstep

Such excellent schools as Columbia, New York University, Polytechnic Institute of Brooklyn, City College of New York, Cooper Union, Pratt Institute, Stevens Institute of Technology, and Manhattan College are within easy reach. For those interested in advanced degrees this is of value. In addition, most scientific and engineering societies have their headquarters in New York. You can enjoy their regular meetings and the contacts with other engineers.

With the minute advantages of living in New York or its suburbs. The city, with its opportunities for advancement, culture, sports, shopping, and other things, is truly the capital of the nation. The beautiful4.

Arrange to see FICo's Engineering Representatives through your placement bureau.

Day FRIDAY
Date MARCH 1, 1957
Violin Collection In Hyden Library Valued At Over A Million Dollars

A million dollars' worth of the world's most valuable violins is now exhibited in the New Gallup...
VOO Doo CONTEST
Voo Doo announces a humorous and satirical writing contest open to all college freshmen. Entries, 1500-2500 words, should be submitted to the Managing Editor, Walker Memorial, Room 304, before April 15, 1957. A first prize of $25 is offered. Further details are given in the March issue of Voo Doo, appearing today.

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MOTHER OF ALBERT SCHWEITZER

MIT + X
See answer on page 10

Everybody votes it TOPS!

LUST TO LIFE
Kirk Douglas "Actor on the Screen" on Van Guard
3rd LUSTY MONTH!
KENMORE

CRYSTAL HILLS LODGE
AT THE CENTER OF MAJOR SKI AREAS
Ski a completely different area every day. All types of lifts, trails, slopes for beginner to expert, ski schools for all skills.

Accommodations for 150 in Dorms or Rooms, Dancing, Games, Recreation Rooms, 3 Fireplaces, Lighted Skating Pond.

$5-$9 Daily, $9-$16 Weekends. 
Rates include breakfast and dinner.

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Fleetwood 6-9701

HOW YOU CAN HELP YOURSELF TO THE RIGHT CAREER

CHOOSING THE RIGHT FIELD FOR YOU WILL PROBABLY IT Be THE HAPPIEST JOB you will ever have.

You must make the decision about the kind of work and the kind of job for which you are best fitted. You must analyze your own abilities, interests, and desires. You must plan your future. If you are not sure of your goals, the Placement Office, or Career Center, or your college placement department, can help you.

Choosing the right field for you will probably be your most important decision. The Torrington Company has prepared a Job Comparison Chart, It is designed to enable you to match your own qualifications and interests easily and completely, with what prospective employers have to offer. By using it during your interviews, you can simplify your task of deciding which offers to accept.

HELP YOURSELF now by doing these things:

1. Write interviews with company representatives will start soon; be prepared with your Job Comparison Chart. Just write to The Torrington Company, Division of Industrial Relations, Field Street, Torrington, Conn.

2. Plan your interviews now. Plan your interviews now. Plan your interviews now.

3. The Torrington Representative will visit MIT FEBRUARY 21, 1957

THE TORRINGTON COMPANY
Division of Industrial Relations
Field Street, Torrington, Conn.

Everybody votes it TOPS!

FRIDAY, FEBRUARY 15, 1957

What's doing... at Pratt & Whitney Aircraft

New "high-road" to JET ENGINE FRONTIER IN FLORIDA

Heralding important things to come, Pratt & Whitney Aircraft is already well under construction.

Here, engineers and scientists will be hard at work dealing with new and increasingly complex problems relating to advanced jet aircraft engines. Working in close coordination with men at other Pratt & Whitney Aircraft engineering facilities is already well under construction.

This newest section of the Pratt & Whitney Aircraft team will face a challenging assignment. They, too, will be concerned with design, testing and development of highly advanced, extremely powerful jet engines which will join a family already including J-57 and J-75 turbojets, currently playing important roles in the growing military and commercial air power of the United States.

The engineering graduate who begins his career at this Florida facility will have the rare opportunity of keeping pace with its anticipated growth. In an organization renowned for development engineering superiority, he will gain invaluable experience working on vital, long-range projects that are a challenge to the imagination.

World's foremost designer and builder of aircraft engines

PRATT & WHITNEY AIRCRAFT
DIVISION OF UNITED AIRCRAFT CORPORATION • EAST HARTFORD, CONNECTICUT
Beaver Hoopsters Downed By Taller BU; Overcome After Nine-Point Halftime Lead

Leading by nine points at the end of the first half, the MIT hoopsters succumbed to a work taller BU squad in the second half as they took an 81-42 running at Rockwell Cage Wednesday night. The Red and White's height advantage enabled them to take more shots than the Beavers since they took more than 70% of the rebounds, especially off the offensive backboards. With Lee Cooper '57 and Marty Goldstein '57 leading the way with 11 and 10 points respectively, the hosts piled up a 4-0-3 halftime lead after being behind several times by 15 points.

Both teams started with a zone defense, but midway through the half both thay both returned to the usual man-to-man. Although outrebounded, the

JULIARD STRING QUARTET

The Juliard String Quartet with Gregory Tucker, pianist, will be presented in Kresge Auditorium at 8 p.m. Tuesday, February 17. The program will consist of the following works: Mozart Quartet in G, K. 378; Dvorak Piano Quintet; Beethoven Quartet Op. 135.

INFORMAL DANCE

The Informal Dance Committee of the Walter Staff will present its first dance of the term on Saturday night at 8 p.m. in Walter. Admission will be $1.00 per couple.

ACQUAINTANCE DANCE

East Campus will present an acquaintance dance tonight in Morss Hall from 8-12 p.m. Music will be provided by the Jerry Davis Orchestra. Refreshments. Admission will be $1.00.

The Techmen hit on close to half their shots from the floor while their opponents couldn't seem to find the basket. Cooper, Goldstein, Murry Marzitti '57, Mac Jordan '58, and Bob Polatsek '57 composed the starting line for the Beavers and they played the entire half as Coach Burke wanted to hold the winning combination together.

After the intermission it was a completely different story. BU began to hit from the outside and they tied up the game after about five minutes of play at 42-42 after scoring nine straight points. The two teams battled back and forth for a few minutes and the visitors took the lead for good midway through the half. The winners kept running off streaks of five and six points as their backcourt men began to hit on sets and four jump shots. When they missed, the Red and White would usually manage to get in a few more shots because they completely dominated their own boards. It appeared that these BU enginers would be rebounding against only one Techan most of the time.

The Terriets had four men in double figures with Delk Armstrong leading both sides as he netted 20 points. The Beavers' three top scorers were Muraskin, Cooper, and Goldstein with 16, 13, and 12 tallies respectively. MacMann accounted for 12 of MIT's 22 points in the second half as his teammates just ran the line on the hoop.

Undoubtedly Polatsek's playing was affected due to the fact that he picked up three personal fouls in the first ten minutes of the game. He seemed to be gradually worn down by the heavier Terriers under the boards as he started out by picking up a good share of the rebounds.

This was the Beavers' fifth straight win over BU this season. The Terriers will try to avenge the 75-58 in the contest preceding the present.

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one of the leaders in PAPER, is seeking

RESEARCH

CHEMICAL ENGINEERS (Ph.D.)
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PHYSICIST (HYDRODYNAMICS)
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MECHANICAL ENG. (HYDRODYNAMICS)
(M.S., Ph.D.)
MECHANICAL ENGINEERS (HYDRODYNAMICS) (B.S.)

FACTORY ENGINEERING and OPERATION

CHEMICAL ENGINEERS (B.S.)
PHYSICIST (HYDRODYNAMICS) (B.S.)
MECHANICAL ENGINEERS (B.S.)
CIVIL ENGINEERS (B.S.)

R. L. WARNER, Director of Employment

"Paper Makers to America"
will interview at M.I.T.
Tuesday, February 26
Hughes announces campus interviews for Electrical Engineers and Physicists receiving B.S., M.S., or Ph.D. degree. Consult your placement office now for an appointment.

There's a bright future for you in

STAINLESS STEEL
TITANIUM
FERRO-ALLOYS

Check the facts with the man from ELECTROMET

... World's Largest Producer of Ferro-Alloys

It's a good place to work... and it's growing. More than 99 per cent of the technical people who have joined us in the last 20 years are still with us. Why? Challenging work... recognition... pleasant location... competitive salaries, determined fairly and based on merit... opportunities for personal development, working with outstanding men in metallurgy and related fields. It will be worth your while to get the facts. Make an appointment today with your placement office for

Monday, February 18

ELECTRO METALLURGICAL COMPANY
A Division of Union Carbide and Carbon Corporation
30 East 42nd Street New York 17, New York

JUNE GRADUATES

A General Motors Representative will be on hand to answer your questions about job opportunities with GM

February 27, 28 and March 1

Our College Representatives speak for all of our many decentralized divisions throughout the country. They are familiar with career opportunities throughout the entire organization, including staff and divisional operations, and can answer your questions fully. We cordially invite June graduates, and those graduating this summer, to arrange an appointment through your College Placement Office on one of the above listed dates.

GM Positions now Available in:

ELECTRICAL ENGINEERING · MECHANICAL ENGINEERING
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GENERAL MOTORS

Salaried Personnel Placement, Personnel Staff, Detroit 2, Michigan
**Calypso and Folk Concert**

featuring BOB GIBSON

(recently returned from the Caribbean)

Saturday, Feb. 16 at 8:40

at The Boston Conservatory of Music

Huntington St., Boston

Tickets $1.50 at box office

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**Technique**

Option Sale—Next Week

Monday-Thursday

10:00 a.m. to 3:00 p.m.

Avoid the last minute rush

and reserve your book now

Options are now

$5.00, $3.00

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**C & P**

The technology of guided missiles is literally a new domain. No field of engineering or science offers greater scope for creative achievement.

- **Advanced Study Program**
  - Graduates in Physics, Electrical, Aeronautical and Mechanical Engineering are invited to contact their Placement Officer regarding the Advanced Study Program which enables students to obtain their M.S. and Ph.D. Degree while employed in their chosen field.
  - M.S. and Ph.D. Graduates
    - The complexity of missile systems research and development has created a number of positions for these completing their M.S. and Ph.D. degrees. The positions carry immediate responsibility commensurate with the advanced academic training and experience required.

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**Career Wanted**

Young engineer, about to graduate, seeks job with engineering challenge...

With financial security...

-A job with advancement based on merit and...with a specific training program. I want a job that will give me a career with a progressive company which has plans for my future. Will turn down all offers until I find this job.

---

**Fencers Drop Two After Bradford Win**

During the last week, the MIT fencing team won one match by a wide margin, but lost the other two by almost as great a point spread.

February 6, Tech met an all-cadet-...at Bradford-Durfee Technological Institute and brought home a stunning win of 21 to 6. The foil team composed of Jim Winting, Mike Fein, Ted Quint, and Mike Shabel turned in a perfect record of 9-0. Winting entered the line-up for the first time this year to fence his three bouts unscathed upon, proving he had sufficiently recovered from a fall leg injury. The epee team lost only one of their nine bouts. Foil members were Lee Dirks, Ray Novis, Ron Wempen, and Joe Pfeiffer.

The sabre team, however, with fencers Larry Campbell, Ben Edwards, Hal Miller, Mike Meekler, and Bob Boese took only four of their nine bouts.

---

**Matmen Beaten**

In their closest encounter of the season, the MIT matmen were edged by the U. of Mass., 12-11, in the victory's agony. This was their fourth loss in five matches this year.

Bob Boese '58 was the only grappler to register a pin for either side as he scored his U. of Mass. opponent in the second period to capture the 135-lb. class. Jimmy Simonson '58 won for MIT when the horse squad forfeited the 137.5-lb. bout. In the 161-lb. match, Bob Billenberger '57 won a two-point decision to remain undefeated.

The Beaver's star matman, Harris Hyman '58, had his perfect record blotted out as he drew with last year's 147-lb. champion. The epee team lost only one of their nine bouts for the only wins in that weapon. In sabre Meeker had two wins while Edwards and Campbell had one each. The only heavyweights were taken by Dirks and Wempen who each had one each. This gives Tech those two wins and two losses for the season with five matches yet to be fenced.

Next week MIT meets Boston University and Stevens Institute. The latter team should not give much trouble to Tech, but the former may prove more difficult.

---

**MIT Pistols Win**

The MIT Pistol Team added one more victory to its record by outscoring Harvard and Bryn Mawr in a three-way match held at the MIT range last Saturday. The Tech squad took a class first by a total point production of 1225, with Harvard compiling 1204 and Bryn Mawr 1190.

This match was the team's first following an unsuccessful southern trip during mid-quarter break. The trip provided an opportunity to compete against two of the top teams in the country, Navy and the US Merchant Marine. The Annapolis sharpshooters set a new range record in defeating the visiting Tigers by 1488 to 1265. The USMM Academy at Kingston, R.I., returned, provided the next competition for the Tech triggermen. The Marines scored not at 1285 to 1216 victory over their courageous engineers.

On March 2, the team travels to the U. of Conn. for the final match of the season.
MIT Mermen Down Tufts; Tie U. Of Mass.

The MIT Swimming Team completed its home schedule with a convincing 102-7 victory over Tufts, and a heartbreaking 48-42 loss with a powerful U. Of Mass. team. The team now holds the lead after compiling an impressive five wins and one tie in six home meets.

The Tech Medley Relay Team composed of Johnson '58, Jacobson '58, Getchall '59, and Dunne '57, scored an insurmountable 58-25 victory over Tufts, with U. Of Mass. twenty yards further back. The 200-yd. freestyle event was a thrilling dual between Kohlman '59 of MIT and Baldwin of U. Of Mass. with Kohlman the winner by two yards. Rossell '59 finished fourth, ahead of both the Tufts' men.

The 100-yd. freestyle was won by Hone of U. Of Mass. against both teams. The 100-yd. butterfly was won by Rossell of U. Of Mass, in 42.6 seconds. Getchall '59 placed third behind Hone of Tufts.

The century was a heart breaker for the Engineers as both Veeck '58 and Balwin with Mulligan of Tufts for the Engineers as both Veeck '58 and Tufts. Telrley was won by Hone of U. Of Mass. with U. Of Mass. twenty yards further back. The 220-yd. freestyle was won by Kossler '59, Getchall '59, and Duane '57, swam an impressive five wins and one tie in six home meets.

This month's special offer by 7 yds. in the excellent time of 5:15.2 seconds, only two seconds behind. Carroll of U. Of Mass. who had previously won the hundred opened with a four-yard lead over Tech. Bill Veeck '58 then took over and chopped the lead to two yards with the last time of the year, 54.2 secs. Harry Duran, swimming the anchor leg, took off after Mal of C. Of Mass. and although gaining on every stroke in one of the most thrilling races of the year, MIT lost by a narrow splash, to tie the match with the latter school.

The more men Trinity this Saturday in their pool.

**Mit-x** = the man we're looking for. Mit-x = your education. X = Imagination, flexibility, resiliency, ideas. Mit-x... could be you.

Our side of the picture is this: The job open is a key position as Administrative Assistant under the direction of the Business Manager of the New York Daily News. (Note: Bus. Mgr. IS also an MIT man—so his assistant.)

The job concerns itself with every phase in the complex production of the largest newspaper in the world...from the manufacture of newsprint to the distribution of the News...Ad- ministration, Production, Advertising, Circulation and Editorial.

So—you see we need the type of mind that has your training plus that X—quantity—the facility of mind to fill in where there are no set rules.

So—Mr. X—let's put it this way: If you think you can fit into a lively newspaper operation, one of the most progressive, aggressive organiza- tions in the field, and you'd like more detailed information, write me a little about yourself and arrangements in the field, and you'd like more detailed information, write me a little about yourself and information, write me a little about yourself and I'll arrange for your trip to The News—our expense, of course.