

Vol. 87, No. 18 Cambridge, Mass., Tuesday, April 18, 1967 5c

Nearly 30,000 expected

## Open House shows MIT in action

By Bob Conday

Nearly 30,000 New Englanders are expected to converge upon MIT Saturday for the biennial Open House. Chaired by Ed Seykota '68, the Open House Committee attempts to give a public view of a technically oriented university "in action." Over 200 separate displays have been chosen to help present this view.

**Float in quicksand**

In each academic department projects have been chosen which exemplify the current interest and direction of their department. The Civil Engineering Department will burst a dam, prove that people can float in quicksand, and show how lasers have offered a new approach to tunneling.

By walking up a few flights of stairs in the Green Building, visitors will see the layers of the earth from core to crust in a Journey from the Center of the Earth. The Department of Biology will present a wide range of displays including Transfer of Nerve Impulses, Embryology and the Sea Urchin, and a computerized Study of Enzymes.

Some of the departments will present information in the form of lecture demonstrations by noted members of their faculty. Professor Hans Lukas Teuber's lecture on "Perception, Learning, and Emotion" should be one of the highlights of the day.

**'Chemical magic'**

Professor David Hercules of the Chemistry Department will enlighten his audience with a lecture titled "Chemistry and

Light." The Chemistry Honorary will mystify visitors with its biennial favorite — "Chemical Magic."

**'Doc' Edgerton**

Well known Institute figures will be on hand Open House Day to show people some of their present interests. For example, "Doc" Edgerton will show how he mapped the bottom of the Charles River Basin with his sonar equipment submerged in the Charles.

On the more personal side, students will present their extracurricular interests through activities, athletics, and living groups. Over 20 recognized activities will turn the Student Center into a small activities midway. Visitors will be also encouraged

to watch intercollegiate contests such as varsity sailing for the Owen Trophy or enjoy water polo, diving, and White Water Kayak exhibitions at the Alumni Pool.

**Flip-top box program**

Some of the innovations to be tried by the committee this year include a program in a flip-top box, bus rides for those long journeys to the Hermann and Sloan Buildings, and organized tours of the Institute.

Although Open House is aimed primarily at people outside the MIT community, the committee feels that this is an excellent opportunity for students and faculty to explore departments other than their own and welcomes the entire MIT community to attend Open House '67.

## State reapportionment plan being sought with computer

By John Foran

An IBM 7094 computer, located in the Computation Center, may be a major aid in drawing up the new Massachusetts Congressional districts. A program designed for this purpose is now being written by Rep. Chandler H. Stevens of Bedford.

Rep. Stevens recently received his Ph.D. in economics at MIT. He is presently the only Independent in the Massachusetts House.

An order calling for a commission to redistrict the Legislature was submitted to the House and the Senate. The redistricting is needed before the 1968 elections.

**Used in Delaware**

Rep. Stevens told The Tech that a number of programs have been designed for redistricting. The one on which his is based was used in Delaware and is under consideration in Connecticut.

There are, he said, three constitutional criteria which must be taken into account: (1) the avoidance of what he calls "postage-stamp" districts that are "stuck together"; (2) reasonable equality of population; and (3) compactness of the district.

The program on which he is working, he added, would use a definition of compactness "familiar to the MIT campus. It equates a district to a moment of inertia around a center of gravity. The technique involved is minimizing the moment of inertia."

**Two new features**

In addition, his variation on the Delaware program would add two features: (1) an open-ended capability for considering any number of variables, such as political "competitiveness" or "homogen-

ity of income levels, and (2) a cathode-ray-tube output device. He said, "I hope to get it on a real time-shared basis in order to try out any number of modifications and get an evaluation of effectiveness almost immediately."

He's not sure that what he is working on is practical for the present need, because he said, redistricting should be underway by summer. He added that he doesn't "want to build up false expectations."

## 22 named Professor

# Faculty members promoted

Faculty promotions, effective July 1, 1967, were announced yesterday, by Provost Jerome B. Wiesner. Twenty-two Professors and forty-four Associate Professors were named.

**Professors named**

Appointed to the position of Professor were: Eugen Bell, Biology; Frank Bonilla, Political Science; Gene M. Brown, Biology; Lynwood S. Bryant, Humanities; Prescott D. Crout, Mathematics; Jerome I. Friedman, Physics; Robert G. Gallagher, Electrical Engineering; Paul E. Gray, Electrical Engineering; Peter Griffith, Mechanical Engineering; Francis B. Hildebrand, Mathematics.

Also, Fred C. Ikle, Political Science; Henry W. Kendall, Physics; Robert L. Kyhl, Electrical Engineering; Patrick Leehey, Naval Architecture and Marine Engineering; John D. C. Little,

Management; Theodore R. Maden, Geology and Geophysics; G. Hubert Matthews, Modern Languages; Leo B. Moore, Management; Stanislaw Olbert, Physics; Ernest Rabinowicz, Mechanical Engineering; Lawrence Rosenson, Physics; and George P. Wadsworth, Mathematics.

**Associate Professors**

Named to the title of Associate Professor were: Arnold E. Amstutz, Management; Donald W. Anderson, Mathematics; Charles Batterman, Athletics; Donald L. M. Blackmer, Political Science; Roger W. Brockett, Electrical Engineering; Hung Cheng, Mathematics; Edward B. Curtis, Mathematics; Alan Davison, Chemistry; Alvin W. Drake, Electrical Engineering; and Herbert L. Dreyfus, Humanities.

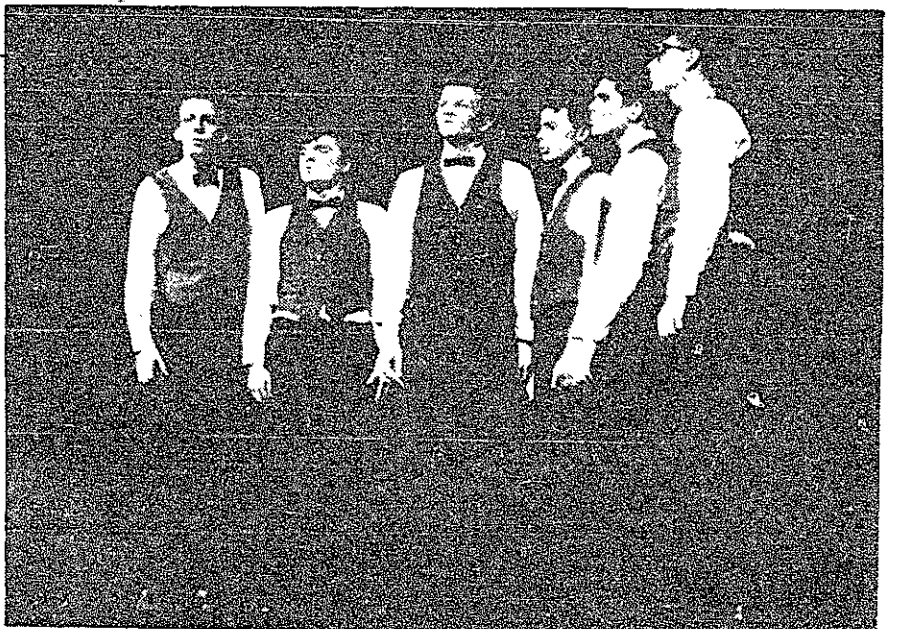
Also, Arthur E. Farnham, Jr., Athletics; Leonard J. Fein, Political Science; Gordon P. Garmire, Physics; Alan Hein, Psychology; Thomas S. Huang, Electrical Engineering; Robert S. Kennedy, Electrical Engineering; James L. Kinsey, Chemistry; Lawrence M. Lidsky, Nuclear Engineering; Chung L. Liu, Electrical Engineering; Simon C. Moss, Metallurgy; and Joseph Pedlosky, Mathematics.

Also, Sheldon Penman, Biology; Frank E. Perkins, Civil Engineering; Otto H. Poensgen, Management; Daniel G. Quillen, Mathematics; David B. Ralston, Humanities; Adel F. Sarofim, Chemical Engineering; Carl M. Shakim, Physics; Karl Shell, Economics; Gerald Silverman, Nutrition and Food Science; Kenneth A. Smith, Chemical Engineering; Robert E. Stickney, Mechanical Engineering; and M. Nafi Toksoz, Geology and Geophysics.

Also, Donald E. Troxel, Electrical Engineering; Wolf R. Vieth, Chemical Engineering; William B. Watson, Humanities; Bruce D. Wedlock, Electrical Engineering;

Rainer Weiss, Physics; Wayne A. Wickelgren, Psychology; August F. Witt, Metallurgy; Lawrence R. Young, Aeronautics and Astronautics; and Thomas O. Ziebold, Nuclear Engineering.

## Egbert, top vocal groups featured in annual All Tech Sing Saturday



Perennial "light song" winners in the All Tech Sing, the Phi Delta Theta sextet includes several members of MIT's "Logarithms." All Tech Sing was held last Saturday; the Coeds warbled their way to the "Egbert," for most original song.

Phi Delta Theta, Sigma Chi, Senior House, and the Association of Women Students took awards at All Tech Sing, held Saturday night in Kresge Auditorium. Two other groups, representing Kappa Sigma and Baker House, participated in All Tech Sing, but received no awards.

Phi Delta Theta won first place in the Light Music Category, while Sigma Chi took the honors in the Serious Music Category. The 19-man chorus from Seniors House was voted "Best of Show" by the judges. Egbert, awarded annually for the most original performance of the show, was won by the Association of Women Students. The identity of Egbert is traditionally a secret until he is awarded—this year Egbert was an ornate clock.

**Lettvin MC's**

Entertainment was also provided throughout the evening and between acts by the vaudeville team of Rose and Judy and by the Dixie Dukes of Beayerland. Master of Ceremonies for the show was Professor Jerome Lettvin, Department of Biology and Electrical Engineering.

## Recent decision

# Partial tickets available for Spring Weekend '67

Both days of Spring Weekend will have their share of activities and those only able to attend one of these days will now be able to do so, since it was recently decided that partial tickets will be sold.

Friday evening tickets will cost seven dollars. This will cover the Brothers Four in concert and various activities following in the Student Center.

**Full Saturday**

Twelve and one half dollars will be the cost of a full Saturday of entertainment.

Buses will leave between 10:30 and 11 am to take couples to Rocky Point Amusement Park and Beach in Rhode Island.

At Rocky Point students will have available a pool, a beach, rides, and concessions. From picnicking on a beach to dining formally in the Cliff House students will have a large latitude in planning their day.

**Scheduled events**

During the afternoon students will be able to hear Tom Rush and the Pozo Seco Singers in Concert. Junior Walker and the All-Stars will highlight a rock-and-roll blast that night. Also presented will be the Isley Brothers and the Cloud.

## The Tech holds banquet, Herbert addresses staff



Photo by Art Kalotkin

John Herbert, editor of the Boston Herald, addressed the staff of The Tech at their annual banquet, held Saturday at the Charter House Hotel. Mr. Herbert spoke on the duties of a college editor to his publication and his school.

## Horvitz chosen as new chairman of Boston Intercollegiate Council

By Steve Carhart

Problems associated with transition in membership and officers from one year to the next, which have hampered the Boston Intercollegiate Council in the past, were hopefully eliminated Sunday night when that body held elections for next fall's officers. By holding elections now, the Council intends to insure the presence of competent and experienced leadership when operations begin next fall.

Chosen as chairman for the coming year was UAP Bob Horvitz '68, who has worked on the Council since its founding and succeeds former UAP Frank March '67, as Council chairman. Also elected to the Council's Executive Committee were Dawn-Marie Driscoll of Regis, Secretary-Treasurer, and Roy Wheelock of Northeastern, Public Relations Chairman.

### Outlines plans

In his election speech, Horvitz said that he hoped to increase the number of schools represented on the council, and that more publicity would increase the Council's effectiveness. He added that he thought the Council should work to reduce the difficulty involved in taking courses not offered by one's own school at another Boston area college.

### Projects underway

Among the programs discussed were the developing student discount program, the sum-

mer Boston Music Festival to be sponsored by the Collegiate Caudron, the extension of MTA schedules for schools in outlying areas, and the upcoming Intercollegiate Turtle Races at Northeastern.

## 'Innisfree' plans teacher evaluation

By Jim Smith

In the next few weeks Innisfree will be conducting a limited faculty evaluation project, in anticipation of a full-scale project next term. The trial-run program will be limited to the Chemistry, Physics, Political Science and Humanities Departments.

### Tested already

The actual operation of faculty evaluation has been tested already on four professors in Political Science. It was found then that the questionnaire, which is essentially subjective, was effective in eliciting valuable comments from the students and in being fairly summarized by staff workers.

This project has no relation to the SCEP questionnaires which were recently distributed to all professors who wished to use them. Neither is this project meant to compete with the SCEP project. In fact, the magazine

expects the SCEP questionnaire to help by making the student think objectively before being asked for a subjective recommendation.

The objective of the project is to produce a list of all professors in the four courses with summaries of feedback concerning them. Each professor, however, will be asked permission both to distribute and to print a summary of the questionnaires. In addition, each professor will be encouraged to write his own evaluation of his students (collectively), his subject

matter, and his goals and methods of teaching.

The results of the project will appear in the September issue of Innisfree. If the project is deemed successful.

Any students who would like to help out are encouraged to contact Mark McNamee '68 (Chemistry) at 247-8602, Gary Gut '70 (Physics) at 232-3258, Paul Dixon '69 (Political Science) at 247-0289, or Pete Rittner '68 (Humanities) at 491-3557.



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The registration forms must be filled in and returned to the Registrar's Office (E-19-335) or the Information Office, by Wednesday, May 17.

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# Urban development conclave scheduled

By Pat Szymanski  
 "Housing and Urban Redevelopment in the United States" will be the topic under discussion at an *Association Internationale des Etudiants en Sciences Economiques et Commerciales* (AIIESEC) conference to be held at MIT July 20th to 23rd. Conferees will be not only AIIESEC trainees from the various 42 member countries, but also selected representatives of domestic and foreign business, universities, and governments. They will explore the roles of

business, university, and government planning and activity in housing and urban redevelopment in the United States.

### Prof. Fein to speak

After registration on Thursday evening and a reception at the Sala de Puerto Rico, the actual conference will open Friday morning with a welcome by Ken Morse '68, President of the AIIESEC-MIT. Following this will be the keynote addresses by Professor Leonard J. Fein, Depart-

ment of Political Science, and Edward J. Logue, Development Administrator, Boston Redevelopment Authority. Tours of Boston, lunch and an afternoon panel discussion on housing will finish the day.

Saturday morning, Rev. W. Seavey Joyce, Vice-President of Boston College and President of the Metropolitan Planning Council, will speak along with Bruce P. Hayden, Vice-President of the Connecticut General Life Insurance Co.

# Marijuana use invites pushers and prison terms

(Continued from Page 1)  
 a student or a jobholder, and to other ill effects.

One such danger to the individual and to the community is that a marijuana smoker is a good candidate for heroin addiction. Although marijuana does not develop in its user any compelling urge to take more powerful narcotics, the pusher will consider him the type to graduate into the "hard stuff" (for he is already taking drugs). The pusher will also be inclined to trust him, since he is already breaking the law (and knows of others who do) can be counted on not to report a pusher to the police. It will therefore probably not cause much of a shock when the seller introduces

heroin at a pot party. Although most "pot-heads" will refuse, an occasional victim won't, and it is he the organized criminals are after.

(Although this article deals primarily with marijuana, a few facts about heroin should be pointed out. Many people become physically addicted the first time they use it, and only one in 10,000 three times without becoming dependent. Addicts never recover although some may kick the physical habit for a while, the overpowering mental dependency remains forever, and the victim will eventually return to the drug. Not one person is known to have been completely cured).

### Marijuana and crime

Marijuana does not cause crime, however it does break down certain moral barriers and, much like drinking, may cause a person to display his inner feelings more openly. If an individual is on the brink of committing a crime, marijuana will usually eliminate the remaining restraint. It will also destroy his depth perception, making him an accident-prone driver.

There are several other less vicious side effects of marijuana usage (most of them indirect). It is because of all of these dangers that the police will actively enforce the laws, and try their best to prevent the widespread use of it and, more important, to prevent its spread.

Students also should be aware of these dangers before they decide whether or not to take the trip. Although "Mary" may offer enjoyment and escape from an unpleasant reality, students should carefully consider all of the far-reaching consequences before they embark on a course that could, quite possibly, destroy their means of livelihood.



**On Campus** with Max Shulman  
 (By the author of "Rally Round the Flag, Boys!", "Dobie Gillis," etc.)

## REQUIEM FOR A SQUARE

You, like any other lovable, clean-living, freckle-faced American kid, want to be a BMOC. How can you make it? Well sir, there are several ways, none of which will work.

You're too puny to be an athlete, too lazy to be a valedictorian, and too hairy to run for Homecoming Queen.

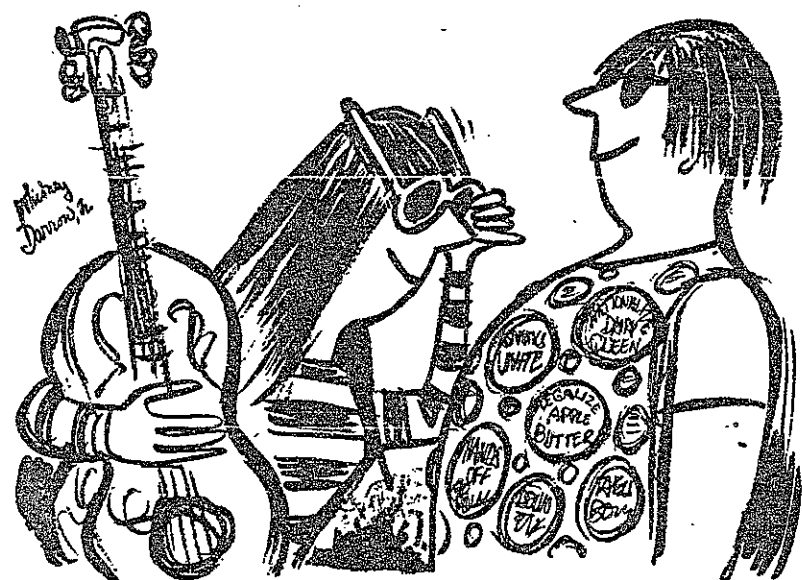
As for becoming a best-dressed man, how are you going to buy clothes with a miser for a father?

Are you licked then? Is there no way to make BMOC? Yes, there is! And you can do it! Do what? This:

Become a hippie! Get cool! Get alienated! Have an Identity Crisis! Be one of the Others!

How? Well sir, to become a hippie, simply follow these five simple rules:

1. Read all of Tolkien in the original dwarf.
2. Have your Sophomore Slump in the freshman year.
3. Wear buttons that say things like this:  
 NATIONALIZE DAIRY QUEEN  
 ASTHMATICS, UNITE  
 LEGALIZE APPLE BUTTER  
 HANDS OFF AIR POLLUTION
4. Go steady with a girl who has long greasy hair, a guitar, enlarged pores, and thermal underwear.
5. Attend Happenings regularly.



This last item may require some explanation, for it is possible that Happenings haven't reached your campus yet. Be assured they will because Happenings are the biggest college craze since mononucleosis.

A Happening, in case you don't know, is the first formless art form. Things just happen. For example, eighty naked men come out and squirt each other with fire hoses containing tinted yogurt. Then eighty more naked men come out and light birthday candles in the navels of the first eighty men. Then one girl, clothed, comes out and pulls three thousand feet of sausage casing through her pierced ear. Then eighty more naked men come out and eat a station wagon.

There is, of course, a musical accompaniment to all these fun things. Usually it is "Begin the Beguine," played by 26 trench mortars, a drop forge, and a rooster.

There used to be, some years ago, still another requirement for becoming a hippie: a man had to have a beard.

But no longer. Beards were worn in the past not so much as a protest, but because shaving was such a painful experience. Then along came Personna Super Stainless Steel Blades.


Today if you don't want to shave, well, that's your hangup, isn't it, baby? I mean when you've got a blade like Personna that tugs not neither does it scrape, what's your copout, man? I mean like get with it; you're living in the past. Shaving used to hurt, used to scratch, used to gouge, used to give you all kinds of static. But not since Personna. It's a gas, man. It's a doozy; it's mom's apple pie. You dig?

I mean, man, you still want a beard? Crazy! But you don't have to turn your face into a slum, do you? Shave around the bush, baby, neatly and nicely with Personna. I mean like Personna comes in double-edge style and Injector style too. I mean like any way you try it, you gotta like like it.

\* \* \* © 1967, Max Shulman

Hey, man, like how about doubling your shaving cool? Like how about willing those crazy whiskers with some Burma-Shave? Like regular or menthol? Like have you got a better friend than your kisser? Like treat it right, right? Ye-ye!

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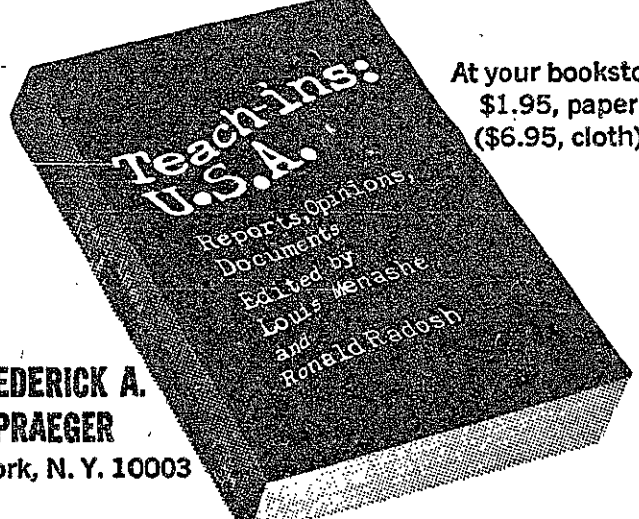
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## Lecture series to aid damaged Florentine art

Information on a lecture series on Italian art and architecture sponsored by the MIT Art Committee for the benefit of the Committee to Rescue Italian Art was listed incorrectly in Friday's The Tech.

Professor James S. Ackerman, Chairman of the Department of Fine Arts at Harvard, will open the series Monday evening, April 24, in the Fogg Art Museum Lecture Hall, Harvard, with an illustrated talk on "The Making of Florence."

On Tuesday evening, April 25, Professor Wayne V. Andersen, Chairman of the MIT Committee on the Visual Arts, will speak on "Time, and Space in Italian Futurism," at the Carpenter Center, Harvard.

The final lecture, "Donatello and the Antique," will be given at the Carpenter Center on Wednesday evening, April 26, by Professor Horst W. Janson, Chairman of the Art History Department at New York University, currently Visiting Professor at Harvard.

The lectures will be at 8 pm. Tickets at \$2.00 each, may be obtained in advance from the TCA Office, or the Harvard Coop.

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# Open House

Every other year the Institute opens its doors to the community at large and invites everyone to "come on down."

This year we can expect some 30,000 people—businessmen, high school students, families, and residents of Greater Boston—to descend on MIT. They are looking to add to their knowledge of the Institute, and they are probably expecting a show. In either case they will not be disappointed.

The administration, the faculty, and the students have teamed up to present an impressive display of MIT at its best—to demonstrate what we are, what we are doing, and where the future is taking us. Every department will have displays and demonstrations ranging from the truth about Quicksand to a sonar mapping of the bottom of the Charles. In addition, there will be participation from student activities, athletics, the labs, the libraries, and the music department.

New this year is an elaborate guided tour program and 25,000 tour kits (which had to be stuffed by hand). There will be a Central Exhibit of 70-80 large photographs of the Institute.

So elaborate a scale of operation has required the work of many people; 50-60 students and 20 to 30 faculty alone were engaged in obtaining and coordinating the departmental presentations. We offer kudos to those who have contributed so much time and energy to this operation.

There is still a need for tour guides and others to help. In addition, every student ought to take this opportunity for a lieisurely stroll around the campus. He will probably find it as enjoyable, entertaining, and informative as the rest of the community. Finally, in the words of Open House Chairman Ed Seykota '68 it would be nice to offer everyone "a warm handshake and a welcome" to MIT.

# THE TECH

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Front page photo of the Student Center by Jeff Reynolds.

# footnotes\*

By Michael Warren

40. A change in a basic Institute policy may be in the offing for Open House. Up until now, for most scheduled events, the standing rule has been: "Children under twelve admitted when accompanied by parents." During Open House Weekend, there will be a special "Young Peoples" presentation of The Mikado by Gilbert and Sullivan. Children under twelve will be admitted free; junior high and high school students admitted for 50c; parents and teachers admitted for \$1—but only when accompanied by children.

41. While the LSC lecturers for this term, Harrison Salisbury, and Timothy Leary with Jerome Lettvin, have generated a good deal of enthusiasm, LSC tried and failed to get even bigger name speakers. Feelers were sent out to VP Hubert H. Humphrey, but he turned down the request to speak at MIT. Former Governor of Alabama, George Wallace, made tentative arrangements to lecture at Tech, and then cancelled out.

42. With all the recognition that MIT receives in many diversified areas, it can still be concluded that aspects of the Institute which deserve praise are often ignored. For example, MIT must be among the nation's leading schools in religious tolerance. A case in point is Burton House, Room 251, which is

home for Peter Rode '68, President of the Tech Catholic Club, and Ray Boxman '68, President of the MIT Hillel Association.

43. Anyone who even casually glanced at recent sports pages in The Tech would have had to see two of the most lopsided baseball scores ever. Boston College invaded MIT and mangled our baseball team, to the tune of 17-0. Later on in the season, we met Brandeis, and dismembered their team in a game called after 6 innings, 26-0. Last week, BC played Brandeis in what promised to be a horror show. Score: 43-0 (?), or 442-0 (?). NO! Boston College squeaked to a 2-1 victory, pushing the winning run across in the ninth inning.

44. Dr. Graham Blaine, Chief Psychiatrist at Harvard University, was a guest speaker at the recent Princeton symposium, Response. Dr. Blaine spoke in a panel discussion on "The Sexual Mores of Modern America," in which he explained the new morality, which associates sex and love, and not sex and marriage. In his introduction, he alluded to studies which have shown that girls of different nationalities react differently after going to bed with a man. "Russian girls," he said, "say 'I hope I'm pregnant.' French girls say: 'Gee, that was fun.' British girls say: 'Do you feel better now?' but American girls say: 'Do you still love me?'"

# Letters to The Tech

## Income tax

To the Editor:

Civil disobedience is always an interesting topic, but what fascinated some of my colleagues and me the most in your recent article about Professors Chomsky and Kampf was that they are in a position to refuse to pay half their federal income taxes at all!

I am sure that their less-fortunate peers would be grateful if we could be told how to raise our non-MIT income so that the amount of taxes withheld from our paychecks by MIT would amount to only fifty per cent of our tax bill.

Richard I. Mateles '66

joy the novelty of "getting married." All of the 125 couples married left the booth with a smile and none felt we were being irreligious or were in any way offended.

Mr. Basan further claims that those who "take religion seriously" were offended. I for one take my religion very seriously yet I am able to realize that something dealing with religion can be done tastefully and need not be offensive.

The Marriage Booth was in no way intended to be a slight at religion and I am sorry Mr. Basan took it that way.

Joel Gottfried '70  
Secretary Burton House  
Freshman Council

## Tasteful marriage

To the Editor:

In reference to Mr. Basan's letter of April 14 claiming that the Marriage Booth at the APO Carnival was done in poor taste I feel he misses the point.

He implies that Burton Freshman Council though possibly meaning well actually did nothing more than ridicule organized religion. All we did was provide a place where a guy and his date could laugh at themselves and en-

## Backward step?

To the Editor:

In the past two years, MIT has pursued a policy of elimination or reduction of General Institute Requirements. There is one major change in these requirements, however, that is a direct contradiction to this policy; the establishment of a twelve hour laboratory requirement for all students. It seems incomprehensible that an

Economics, Mathematics, Humanities, Industrial Management or Political Science major should be saddled with a twelve hour laboratory requirement in a field for which he has no interest. Would not a better policy be to allow each department to establish its own laboratory requirements?

Sam Leader '69

## Building 10 uproar

To the Editor:

While I am heartily in favor of student political activities and organizations, I think it is high time that some controls were placed on the raucous behavior of those manning the booths in Building 10. It should not be necessary to "run the gauntlet" of people trying to sell me political literature, obtain my signature on petitions, or convert my political beliefs each time I leave my office. To remedy this situation, Secretariat should require members of organizations using the booths in Building 10 to stay behind their booths and keep their voices down to a low roar so that others might pass through the building unimpeded.

James A. Rome '64  
Instructor of  
Electrical Engineering

# Inside Incomm

## Student government suggests changes in academic realm

By Bob Horvitz, UAP

Student government directly affects you, the individual student. The many organizations within the Institute Committee continually work toward improvements in all facets of MIT undergraduate life: academic, environmental, extracurricular, and social reforms are being actively pursued.

### Academics

Within the academic realm, there exists a definite need for more detailed and candid course descriptions. Statements explaining the number of quizzes and papers, the real knowledge prerequisite, a more detailed outline, and an explanation of the general philosophy and emphasis of each course should somewhere be available to the student. The two alternatives of either publishing a separate booklet, or significantly expanding the General Catalogue are currently being explored. Initial reaction from the faculty and administration has been quite favorable.

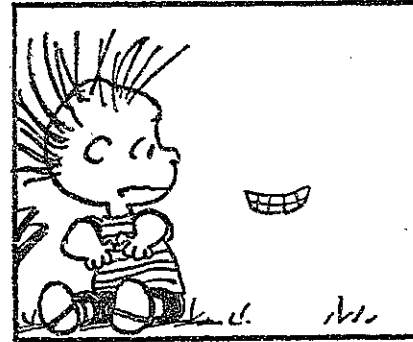
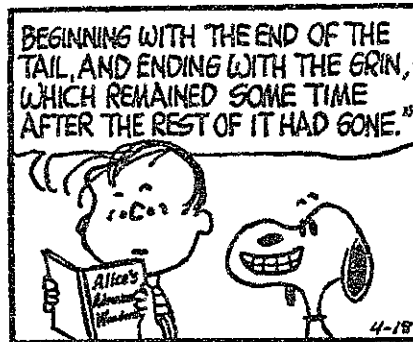
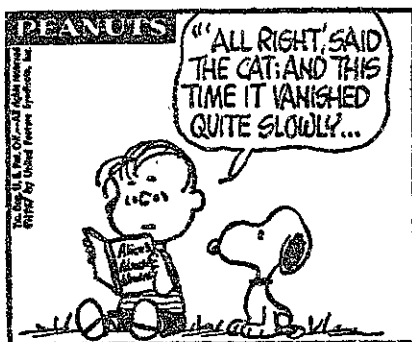
Further experiments concerning reading period are being seriously considered. One alternative of a

combined reading and finals period spread over two weeks has met with some favorable reaction from both students and administration. Such a system would have only one examination period per day, possibly from 10 am to 1 pm, or from 12 noon to 3 pm. No student would be left with the burden of two final exams on one day. The plan would probably schedule exams on Tuesday through Saturday of the first week and Monday through Friday of the second. If adopted, the plan would be then tried for the fall term of 1967, and feedback from it and the two preceding terms would be used in making a decision as to the ultimate structure of reading and finals period.

### SOEP

Another recent project which could make a significant impact on MIT's educational system is SOEP's distribution of feedback questionnaires. The three forms are designed to help evaluate classroom subjects, laboratory courses, and teaching methods. Response has been overwhelming. Over 250,000 questionnaires have been requested by about 200 institutions. This data will hopefully effect revisions both in course curricula and teaching methods.

These are just a few of the ways student government is working to make the academic experience more closely reflect student wishes and needs. In future columns, I will describe the work done in the environmental extracurricular and social realms.



Dear Mr. Hill:

Let's attend to some unfinished business. Specifically, two related issues raised in your opening dialogue letter: "Many students hesitate to choose a career in business because of the apparent difficulty in predicting one's probable success. Secondly, business is viewed as having neither the employment security nor the latitude of occupational mobility inherent to other professions."

Predicting a man's success is a very risky matter. I would, however, like to know about any field of career endeavor that guarantees levels of achievement. One can, I suppose, consult the Statistical Abstract, pinpoint the median salary ranges for specific occupations, and choose accordingly.

But, I doubt whether you mean financial success alone. In your letter you referred to the middle-aged businessmen who have been "passed by"; the "unfortunate victims of occupational stratification"; men afflicted by "the ever-present specter of hierarchial stagnation."

These phrases, of course, comprise another way of saying that some men are business failures. I agree that some men are. And I agree that there are some men who reach middle-age, and then realize that they've made the wrong career choice. But, these aren't phenomena peculiar to the business world.

Most businesses function because they are flexible, with growth possibilities existing both vertically and horizontally. Plateaus are reached in every field. Every employee isn't cut out for a vice-president's chair or a seat on the Board of Directors. But, this doesn't mean that the non-vice-president stagnates—that he automatically enters a period of boredom, counting the days to his pension.

Every individual hopes to get individual satisfaction from his job, and success means different things to different people. A fat title and a fat salary aren't the only indicators of a man's worth. It doesn't always follow that the big man in the corporation is the most successful man on the block. In the long run and in broad human terms, he may not be very successful at all.

I also question the implication that the professions offer more occupational mobility. I doubt it particularly as fields like medicine, law or engineering become increasingly specialized. An experienced marketing man can apply his knowledge and skill to a firm that manufactures automobiles, or television sets, or pharmaceuticals. An experienced dermatologist can't suddenly switch his nameplate and become a pediatrician.

Believe it or not, the businessman acquires a host of skills and abilities. Attributes which he can use in a variety of seemingly unrelated fields and situations.

Businessmen, for example, are action-oriented. Sensitive to the fine points of how to get things moving. Acutely aware of the art involved in achieving dynamic organizational bodies.

Recently, for example, Mayor John Lindsay of New York appointed a Management Advisor Council composed of 6 top industrialists to study city administration. The move was made in the hope that the city's government "can be operated as smoothly for the benefit of the people as the complex organizations headed by these executives in the private sector."

If I were to pick one indicator of a young man's future in business, I think it would be his ability to cope with change. More specifically, his commitment to change, to innovation and experimentation.

I can't foretell what salary this change-oriented individual will be making on his forty-fifth birthday. However, I can predict that he'll be a rather successful individual.

Robert W. Galvin  
Chairman, Motorola Inc.

**GETTING DOWN TO BUSINESS . . .**

**is the purpose of this open letter from a businessman in answer to questions from James Hill, a student at Harvard University. Similar letters, published since October in 29 campus newspapers in a dialogue with six individual students, have dealt with many facets of business as a career possibility and as a force in society. Mr. Galvin invites your own questions or comments addressed to him at 9401 West Grand Avenue, Franklin Park, Illinois 60131.**

# Can business really offer security, mobility, and a measure of success?

James Hill  
Harvard University



**Talking Rock**

**Mama's and Papa's single outlines history**

Between the Mama's and Papa's new historical single 'Creeque Alley' (I don't know the significance of the title) and the many articles written about them recently, you probably have some idea of their rocky road to stardom, but I will try to put everything together into a complete concise chronology. The references in the song to "McGuinn and McGuire still gettin higher" I assume refer to the fact that Jim McGuinn's Byrds' 'Mr. Tambourine Man' and Barry McGuire's 'Eve of Destruction' were two of the most significant songs in establishing folk-rock, giving pop music an atmosphere in which the M's and P's would be accepted. The references to "Nobody's gettin fat 'cept Mama Cass" refer not so much to her incredible bulk but to her pregnancy—she is expecting this month (cf. 'The Mama's and Papa's Deliver'.)

During 1963 and 1964 John sang and wrote for the Journeymen, a New York City folk group. It was during this time that he wrote 'California Dreamin,' while freezing and starving in NY. He turned down many requests for rights to the song because he wanted to do it first. At this time he was married to Michelle, a New York model from California.

Prior to spring 1964, Cass had gone to American University (not Swarthmore) for six months, and then formed the Big Three, a big New York folk group, along with Tim Rose, now a prominent San Francisco writer and singer, and Jim Hendrix, who is now singing in Britain as a solo act after being with Georgie Fame's Blue Flames. Denny and Zal Yanofsky, now lead guitarist for the Lovin' Spoonful, both Canadian citizens, formed two thirds of the Halifax Three, a folk group which eventually migrated to New York.

**The Lovin' Papa's (?)**

In spring 1964 the Big Three and Halifax 3 both broke up, mainly because Cass and Denny wanted to sing together. This is when

**Hindemith, Shostakovitch played by Lowell group**

Next Sunday, April 23 the MIT Concert Band will present the Lowell State College Wind Ensemble in an exchange concert at 8 p.m. in Kresge Auditorium. The Wind Ensemble is under the direction of Mr. Willis Traphagan, an assistant conductor of the MIT Concert Band.

Included in the program will be Dmitri Shostakovitch's "Festival Overture," Paul Hindemith's "Symphony in B Flat," Percy Grainger's "Lincolnshire Posy," and "Symphonic Requiem" by the recently acclaimed Vaclav Nehybel.

The Wind Ensemble is dedicated to the performance of high quality musical literature composed for the band. It is a highly selective group consisting of undergraduate students in the department of music.

the Mugwumps — Cass, Denny, Zal, Hendrix, and guitar-harmonicist John Sebastian—were formed. Supposedly the first folk group ever to use electric guitars, they recorded 'I Remember Tonight' on Warner Brothers. There is now a completely different Mugwumps, a California psychedelic group. The famous Mugwumps broke up in fall, 1964, when Zal and Sebastian's musical tastes turned towards good time blues, and the group just didn't groove together.

In summer 1965 John and Michelle decided New York was a drag and went to the Caribbean to bum around. They extended an open invitation to their friends to join them, so along came Denny, Eric Nord, now lead guitarist with the M's and P's backup group, and Peter Pilafian, now their electric violinist. Cass was at first reluctant to go, but joined them later in the summer. They began to gell as singers, left the islands after somebody there had built a

club for them to perform in, went to New York and then to LA where they recorded 'California Dreamin' for Dunhill in November 1965.

Their second hit 'Monday Monday' was written by John immediately after he and Michelle had a fight on a Monday. In summer 1966 John and Michelle had a bigger fight and separated for 3 months, during which Michelle was in Mexico. Jill Gibson was the touring Mama during this time, but with her the group lacked that something which separates goodness from greatness. Michelle came back both as a singer and a wife, 'Words of Love' hit 5 and 'Dedicated to the One I Love' 2, and the group is better than ever.

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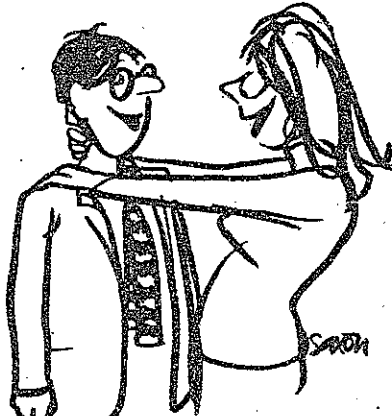
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**Making the Scene**

S	M	T	W	T	F	S
		18	19	20	21	22
23	24	25	26	27	28	29
30	1					

**MUSIC**  
American Festival of Music — Apr. 20, 8:30: Josh White, Mexican Mariachi Band; Apr. 21, 7:30: Jefferson Airplane, Pete Seeger, Dave Van Ronk; 10:30: Chuck Berry, Otis Redding, Muddy Waters, John Lee Hooker; Apr. 22, 8:30: Buddy Rich, Clara Ward Singers; Apr. 23, 8:30: Tex Ritter, Flatt Scruggs; Commonwealth Armory; \$4, \$2, \$1.  
Boston Symphony Orchestra—Erich Leinsdorf conducting last four concerts of Winter Season; Apr. 18, 20, 8:30: Beethoven's 2nd Symphony and Brahms's Violin Concerto with Joseph Silverstein, soloist; Apr. 21, 2:30 and Apr. 22, 8:30: Smetana's Moldau; Schubert's Ninth Symphony; 82nd Boston Pop's Season opens Apr. 24, 8:30; Arthur Fiedler conducting.

**MIT Concert Band** — Joint concert with Lowell State Wind Ensemble under the direction of Mr. Willis Traphagan; program includes Shostakovitch's 'Festival Overture,' Hindemith's 'Symphony in B Flat'; Sun., Apr. 23 at 8 pm; in Kresge; free.  
New England Conservatory of Music — First Artist's Recital: Marsha Vleck, soprano; featuring works by Mozart, Wolf, Sibelius, and Rorem; Apr. 24, 8:30 pm, Jordan Hall; free. Boston Symphony String Quartet closes final concert of Chamber Music Season; program includes Haydn, Beethoven, and Mendelssohn Quartets; Apr. 19, 8:30; Jordan Hall; \$4.50, \$3.75, \$3.25, \$2.50.

**THEATRE**  
MIT Gilbert & Sullivan Society — 'The Mikado,' Apr. 20, 21, 22; 2:30; Kresge Aud.; \$1.50, \$2.00.  
Theatre Company of Boston presents 'Desire Under the Elms' by Eugene O'Neill; thru Apr. Tues., Wed, Thurs, Fri., 8:30; Sat., 6, 9:30; Sun., 5, 8:30; \$3.75, \$3.25, \$2.75, \$2.25.

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# Track team falls to UNH; Sydoriak sets cage record

By Jim Yankaskas  
Tech's varsity track team was downed by UNH, 93-51, in their opener on Saturday. The team had been scheduled to open against Colby on the previous Saturday, but the meet was canceled because of snow.  
Cold temperatures and rain in Durham slowed performances on the brand new UNH track, but the high jump, long jump, pole vault, and triple jump were held indoors. In the pole vault Steve Sydoriak '68 added another record to his growing list as he vaulted 13'-6 1/2" for a new cage record.  
Dave Osborne '67 was also a standout, as he won the discus and

the hammer throw with tosses of 133-3 and 161-11, respectively. In the hammer he was followed by Gordon DeWitte '67 who threw 156-9 for second place.  
High scorer for the Engineers was Bill McLeod '69, with 12 points. Bill failed to take any first places, but placed second in each of four events. Those events were the 100 and 220 yard dashes, the long jump and the triple jump.  
Bob Karman '67 won the 880 in 1:58, while Bob Dunlap '67 and Dean Schneider '69 placed second and third in the 440. Sophomores Kent Attridge and Don Rosenfield took thirds in the 120 high and the 220 intermediate hurdles, respectively. UNH swept both the one and the two mile.

## Frosh sports

# Sailors win Tech Invitational



Photo by George Flynn  
Tech boats cross the line far ahead of the field in Sunday's race. The frosh sailors won the regatta by 8 points.

B division. Of ten engineer firsts in 18 races, Steve copped six.  
This was the third straight victory this year for the engineers. Their next competition will be tomorrow in the eliminations for the Greater Boston Regatta.  
**Oarsmen win three**  
Tech crews took three of four races last weekend, three of which were at home.  
The heavyweights met Columbia on the Charles for the first time this season and swept the contest. The first boat, rowed by John Heyer, Mark Bisgeier, Carl Yankowski, George Allen, Terry Michael, Steve Smith, Jim Bardis and Warner Harrison and coxed by John Head downed Columbia's top boat by three-quarters of a length.  
The engineers dropped behind by a length at the outset of the race, and maintained that position until the final sprint. With ten strokes left, Columbia caught a crab, and Tech finished nearly three seconds ahead of them. MIT's final time was 9:25.9; Columbia finished in 9:28.7.  
A much improved second boat completed the contest by downing Columbia's second, 9:32 to 9:52.  
MIT's first boat lightweights raced at Yale, and topped both Yale and Dartmouth. The Techmen finished in 6:57.8, Yale was second in 6:58.4, and Dartmouth finished third with a time of 7:02.4. The second Tech boat dropped a race to Harvard at home by a length.

The tennis team fell to Harvard 8-1 on Saturday. In spite of the score, the team showed significant improvement over their first performance.  
Six singles and three doubles matches were played. In singles Harvard scored a total sweep. Bob McKinley won one set, but lost two in a row to drop the match 2-1. Thereafter the Techmen went down in order: Joe Bar-on, Manny Weiss, Terry Champ-lain, Art Perkins and Erv Asher simply could not manage a win.  
In doubles competition, McKinley and Weiss scored the only Tech victory. They defeated their Harvard opponents 6-2 in the first set, dropped the second 2-6, and copped the third, 10-8. The other doubles teams, however, were downed by the Crimson: Baron and Champlain first, followed by Perkins and Stan Smilack.

**Trackmen down U.N.H.**  
Tech cindermen opened their spring season with an 84-64 victory over the University of New Hampshire last weekend. Tech victories included a sweep in the hammer-throw by Paul Elke, Doug Reed and Bruce Lautenschlager, first and second places in the shot-put by Lautenschlager and Fred Andree, and a record-breaking discus throw for first place by Andree. Additional firsts were turned in in the triple-jump by Horatio Daub and by the mile relay team.

# Tech sailors place third in Boston Dinghy Regatta

By Bill Michels  
This weekend, the varsity sailors traveled to the Coast Guard Academy in New London, Connecticut to compete in the two day Boston Dinghy Cup Regatta. Sailing for MIT in A division were Chet Os-

born '67 skipper, Jim Gallagher '69 crew. In B division Joe Ferreira '67 skippered with Dick Smith '69 as his crew. At the end of Saturday's close fought competition Tufts, Coast Guard, Yale and MIT, in that order, were the leaders and within six points of each other.

On Sunday these same four schools dominated the races, with MIT grabbing a slight lead by noon. However, by late afternoon, Tufts edged into the lead followed closely by Coast Guard and MIT. With three races remaining there were still less than ten points separating the top four contenders. At that point Tufts surged out in front while MIT ran into various problems and fell back. At the end, the top seven out of thirteen schools were Tufts (246), Coast Guard (231), MIT (224), Yale (221), URI (205), Dartmouth (200) and Harvard (191).

**Chanoux high scorer**  
Also on Sunday the Tech sailors participated in the Firm Invitational Regatta on the cold and rainy Charles River. In the B division, Dave Chanoux '68 was high point skipper with 46 points, just behind Jim Harper of Harvard in A division with 49 points, who was high point skipper for the Regatta. Unfortunately Paul Kimball '68 did not do as well in A division and thus MIT managed to place only third overall. Out of the ten schools participating, the top three finishers were: Harvard (89), Yale (76) and MIT (66).

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Harvard University  
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**Time and Space in Italian Futurism**  
Professor Wayne V. Andersen  
Chairman, Massachusetts Institute of  
Technology Committee on the Visual Arts  
Tuesday, April 25, 1967, 8 pm  
Carpenter Center for Visual Arts  
Harvard University  
Quincy Street, Cambridge  
Massachusetts

**Donatello and the Antique**  
Professor Horst W. Janson  
Chairman, Department of Art History  
New York University  
Wednesday, April 26, 1967, 8 pm  
Carpenter Center for Visual Arts  
Harvard University  
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The lectures are presented in conjunction  
with the Art Exhibition and Sale  
from April 22-30  
11 am - 10 pm

By Mike Schibly  
The sailors wrapped up their third straight victory this year in the MIT Invitational Regatta on Saturday. Of nine schools in the competition, MIT was first with 163 points, followed by Coast Guard with 155 and Harvard with 118.

The contest was held in cloudy, cool weather which was marked by light and shifting winds. In A division, Bob Berliner and Bill Michaels co-skippered with Tony Picardi as crew. B division saw Steve Milligan skippering eight of nine races with Bob Dangel as crew. Dave McComb took Milligan's place as skipper for the ninth race.

MIT started the competition by quickly grabbing the lead, but was soon down by six points to Coast Guard. With the sixth race, however, Tech regained the lead and held it for the rest of the meet.

Steve Milligan was undoubtedly the outstanding sailor of the day, as he accumulated 78 of a possible 80 points to capture the position of highest scoring skipper in

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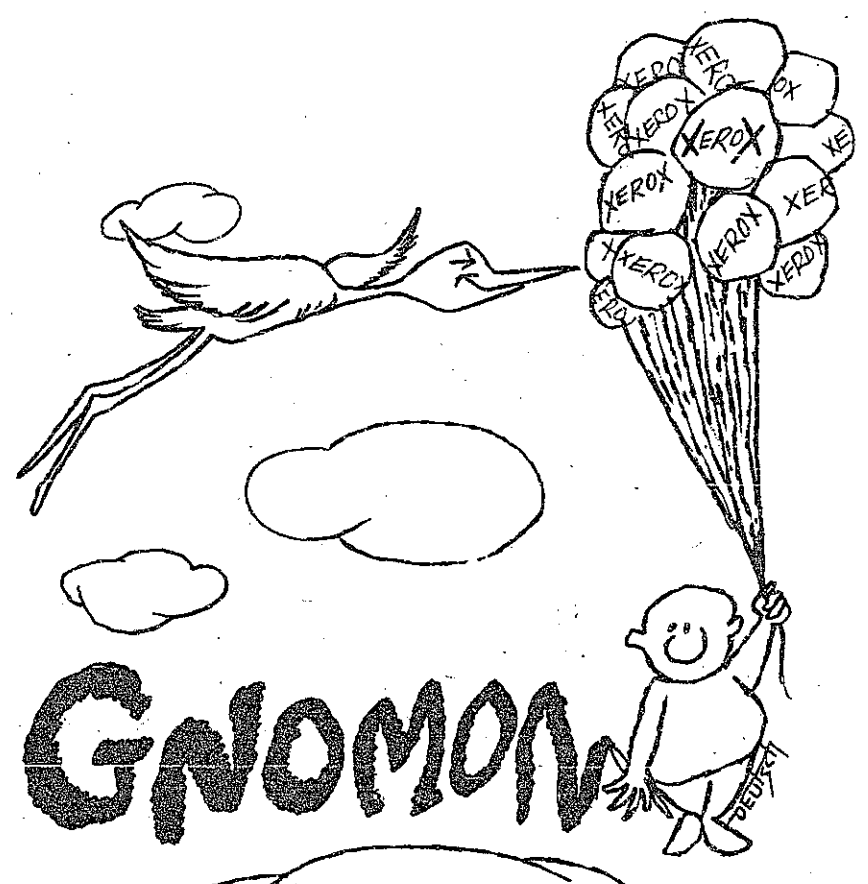


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# Crews sweep 6 weekend races

## Lights retain Durand Cup; down Yale and Dartmouth

By Tony Lima

Saturday was a good day for the lightweight crews as they swept races with Yale and Dartmouth. The varsity was trying to keep the Durand Cup, which they also won last year. Rowing in heavy rain over the 1.3 mile Yale course, the crew fell slightly behind the Yale boat coming off the line, starting at a 43. With 3/4 of a mile remaining in the race, stroke Bob Haslam '68 took the beat up one stroke from the 34 they had been rowing, and the engineers began to move on the Elis.

### Engineers take lead

With 1/2 mile remaining, the Tech crew passed the Yale boat and was never headed. Going into the sprint, the oarsmen held a five-seat lead, as Haslam increased the beat to a slower than usual 42. Despite this, the Beavers managed to increase the final margin to eight seats. Dartmouth's boat fell behind at the gun, and were never in serious contention. Tech's official winning time was 6:35.5. Yale was clocked in 6:37, while Dartmouth finished a distant third in 6:47.1.

### JV's win

In the JV race, the engineers topped Yale by one-length margin. Stroke Jack Zeigler '68 started at a 41, and took the count down to a 35 for the balance of the race. Immediately after lowering the beat it began to rain, followed by hail, all accompanied by a strong headwind. At this point, cox Brad Billetteaux '68 took the count to 33.

Going into the final quarter mile, the crew was down two seats to the Yale boat. Zeigler then took the stroke to a very slow 36 1/2, and the oarsmen easily overtook and passed the obviously outclassed Yale crew for an easy win. The JayVeas were

clocked in 6:58. Dut to a mistake at the finish line, Yale was given credit for a 6:59 finish, while Dartmouth was third in 7:11.

### Finish sweep

Dartmouth did not enter the third varsity race, which left the engineers and Yale to fight it out. As things turned out, it was no fight, as the Beaver boat won by 2 1/2 lengths, with a clocking of 6:59.

**Results**  
Varsity (1.5/16 mi.): 1. MIT—6:35.5 (Bow—Taggart; 2. Arnaud; 3. Baker; 4. Vittek; 5. Riordan; 6. Lee; 7. Rosenberger; Stroke—Haslam; Cox—Bailey); 2. Yale—6:37; 3. Dartmouth—6:47.1.  
JV (1.5/16 mi.): 1. MIT—6:58 (Bow—Johnson; 2. Anderson; 3. Drab; 4. Teter; 5. Parker; 6. MacDonald; 7. Koehler; Stroke—Zeigler; Cox—Billetteaux); 2. Yale—6:59; 3. Dartmouth—7:11.  
3rd varsity (1.5/16 mi.): 1. MIT—6:59 (Bow—Bloem; 2. Baker; 3. Hyman; 4. Polit; 5. Dossley; 6. Steuert; 7. Gruber; Stroke—Neschleba; Cox—Lerner); 2. Yale—7:07 (unofficial).

### Season record 4-3

## Tech lacrosse team downs Tufts, 8-1

The MIT Varsity Lacrosse team brought their won-lost record to 4 victories and 3 defeats as they demolished Tufts 8-1 in Medford Saturday. With the return of Coach Ben Martin who had been out for the week on the verge of pneumonia, the Tech stick-handlers returned to winning ways.

Captain Steve Schroeder '67 started it off 1:25 into the game. Schroeder rolled right and neatly bounced the shot into the Tufts goal. Two minutes later Tom Chen '68 put number two on the board. Taking a pass from Schroeder, Chen put Tech in a commanding position from the beginning.

Tech's man-up offense continued to pay off as at 10:25, Schroeder

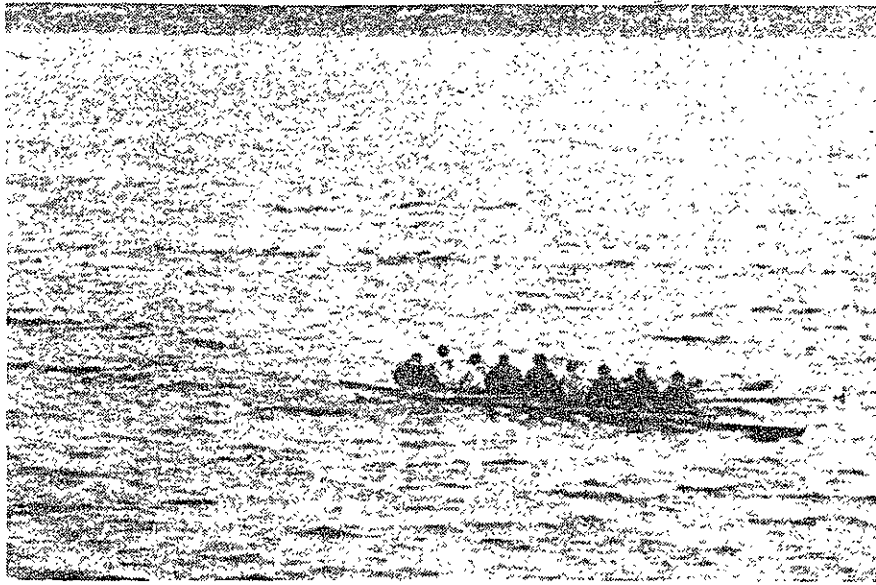


Photo by Dave Pack

Tech heavies plow through the choppy Charles en route to a 23 second victory over the Columbia Lions last Saturday. It was the first of a six-race sweep by the varsity oarsmen, helping Tech crews collect 113 shirts from opponents this weekend.

## Tech heavies sweep Columbia; Win by 5 lengths in rough water

By Chuck Hottinger

Saturday marked a complete sweep for Tech oarsmen as the engineer heavyweights swept Columbia off the Charles and the lightweights dumped Yale and Dartmouth on the Pousatonic. Recovering from last week's unhappy opener against a surprising Northeastern crew, the Tech

heavies regained confidence at the expense of Columbia.

Moving smoothly off the line of their first 1 1/4 mile contest of the year, the engineers settled to a low pace of 31 in the strong tailwind and rough water. Trying to maintain a ragged stroke of 34, the Lions soon fell out of the contest. Columbia held to within

two lengths of the leading Tech boat until encountering choppy conditions near the Harvard Bridge. Unable to move well at the higher pace, the visiting squad was soon four lengths back at the half mile mark.

### Win by 5 lengths

Showing a smooth style, much improved over last week's traumatic confrontation, the engineers' stroke steadily dropped to 29 as the Lions fell back. Omitting a sprint, the Beavers finished five to six lengths ahead at 9:02.8, with Columbia crossing the line in 9:25.6.

### JV also wins

Rowing to an easy victory over the Lion's second boat, the Tech JV's jumped to an early lead over a one mile run to walk away with the contest. Leading by a length after ten strokes, the engineers needed to sprint to win by a comfortable five lengths.

Winning their third cliff-hanger in a week, the Tech third varsity held off Brown to win by a deck over 1 1/4 miles Saturday morning in Providence. Tuesday saw a third varsity four with coxswain lead a BU four over a 2,000 meter run in heavy seas to win by a narrow three feet.

**Results**  
Varsity (1 1/4 mi.): 1. MIT—9:02.8 (Bow—Yasaitis; 2. Randall; 3. Duclos; 4. Jackson; 5. Robinson; 6. Partridge; 7. Larsen; Stroke—Hill; Cox—Thomas); 2. Columbia—9:25.6  
JV (1 mile): 1. MIT—5:22.6 (Bow—Schuetz; 2. Kalla; 3. Ducsik; 4. Wagner; 5. Hausrath; 6. Foster; 7. Dashwood; Stroke—Haase; Cox—Dennis); 2. Columbia—5:36.4.  
3rd varsity (1 1/4 mi.): 1. MIT—8:54 (Bow—Lapis; 2. Leiss; 3. Hottinger; 4. Gentilman; 5. Lewandowski; 6. Guillot; 7. Lamy; Stroke—Ryan; Cox—Miller); 2. Brown—9:55.

## MITNA holds meeting; elections on agenda

All holders of sailing cards are invited to attend the annual meeting of the MIT Nautical Association on Monday, April 24 at 6 pm in room 6-120. Halsey C. Herreshoff of the Department of Naval Architecture will speak and show films on methods of sailing yacht design and research.

At this time, elections for the coming year's officers will be held. These will include Commodore, Vice-Commodore, Secretary, Treasurer, Race Committee chairman and three Representatives-at-Large. All Nautical Association members interested in running for any of these offices must contact Joe Ferreira '67 (491-6546 or dl 0 313) by 5 pm Friday, April 21.

Tennis mixed doubles deadline has been extended to Thursday, April 20 at 5 pm. All those interested should apply to Mrs. Draper at the AA Executive Committee office, duPont Athletic Center.

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### On Deck

Wednesday, April 19

- Baseball (V)—Tufts, here, 2 pm
- Sailing (V)—Oberg Trophy, here Lt. Crew (F)—Tabor Academy, here
- Tennis (V)—Massachusetts, away, 2 pm
- Golf (V)—Williams, Trinity, away, 2 pm
- Baseball (F)—Tufts, away, 3 pm
- Tennis (F)—Governor Dummer, away, 2 pm
- Sailing (F)—Gibb Trophy at Tufts

## "B" team also falls

## Ruggers fall to Hartford



Photo by Doug Miller

Dave Eisenhaure '67 plows ahead through Hartford defenders as Dave Schramm '67 moves up to help. Eisenhaure scored the lone try for Tech, as they lost to Hartford, 13-5.

Saturday saw the Tech Rugby Club "A" squad drop a tight match to the Hartford Club in the MIT-sponsored afternoon of rugby. The first half was marked by extremely close play on both sides, and at its end, Hartford was on top, 3-0 by virtue of a penalty kick.

In the second half, with the wind at their backs, the engineers dominated play for the first thirty minutes. Hard forward play by Dave Schramm '67 and Dave Eisenhaure '67 resulted in a try, with Eisenhaure taking the ball in. This

put the Tech squad in front, 5-3. Schramm and Eisenhaure, incidentally, played outstanding ball the entire afternoon. The excellent hooking of Tom Sanford and the kicking of Steve Landon controlled the ball and kept it on the Hartford half of the field.

### Fall in final minutes

In the last ten minutes, the squad seemed to lose cohesion, resulting in two quick tries by the Hartford team and giving them the 13-5 win. However, the game saw some of the best rugby played in the area for some time.

### Hartford much improved

The engineers were not expecting such a tight game from the Hartford squad, as Tech annihilated them last fall, 24-3. However, the Hartford club, which was started just last summer, showed a terrific improvement, providing a much stiffer test of the team's abilities than had been expected. It is interesting to note that this club is not associated with a school in any way, and is largely made up of American players. One of the most important reasons for their winning ways Saturday was that they threw the ball a lot, and had a lot of hustle.

### "B" team loses

For the "B" squad, it was a matter of youthful strength and enthusiasm succumbing to the wisdom of old age, as the Boston Rugby Club topped the Techmen, 16-0. BRC scored all their points in the first half, but were played on even terms for the rest of the contest, as the older players' age began to tell.

Marshall '67, Steve Reimers '68 and Herb Finger '68 found little problem in containing the Tufts attack.

In the closing minutes of the first half Julie Gutman '68 made it 4-1 as he faked once and then fired the ball knee high into the Tufts goal.

Gutman netted his second goal one period later at 13:30 when Tech went out ahead 5-1, as Julie took a pass from Ken Schwartz '69.

On the picture goal of the day Gutman reciprocated as he quick-sticked a pass from Art Von Waldburg '67 to Schwartz, who quick-sticked the ball in.

### Maling scores two

At 3:45 in the fourth period Walt Maling '69 showed the crowd his perfect goal swing as he lined up the shot and drove in the ball to make it MIT 7, Tufts 1. Halfway through the fourth period Maling closed out the scoring taking the pass from Schroeder right in front of the goal.

Saturday the engineers take on Amherst at 2 pm on Briggs Field. Amherst, who in previous years has had a formidable team, will certainly be tough competition for the Tech squad.

### How They Did

#### Lt. Crew

- MIT(V) 6:35, Yale 6:37, Dartmouth 6:47
- MIT(JV) 6:58, Yale 6:59, Dartmouth 7:11
- MIT(F) 6:57, Yale 5:58, Dartmouth 7:02

#### Hvy. Crew

- MIT(V) 9:02, Columbia 9:25
- MIT(JV) 5:22, Columbia 5:36
- MIT(F) 9:25, Columbia 9:28

#### Lacrosse

- MIT(V) 8, Tufts 1

#### Track

- UNH 93, MIT(V) 51
- MIT(F) 86, UNH 64

#### Tennis

- Harvard 8, MIT(F) 1

#### Sailing

- MIT(V) third in Boston Dinghy Cup
- MIT(V) third in Finn Invitational Regatta
- MIT(F) first in MIT Invitational