

Leaders speak to Gray on benefit fee

Gray awaits McBay's input

By Burt S. Kaliski

Undergraduate Association President Michael P. Witt '84 and leaders of two other student organizations met with MIT President Paul E. Gray '54 yesterday to discuss the effect of the employee benefit fee on student activities.

Kenneth D. Cornett '84, secretary of the Association of Student Activities, and John Mark Johnston '84, chairman of the Student Center Committee, also conferred with Gray.

Gray was unavailable for comment about those meetings after his open office hours ended at 3:30 p.m.

Witt said his meeting with Gray was not discouraging, but Gray "didn't come right out and agree with me." Gray wants to discuss further the requirement with Dean for Student Affairs Shirley M. McBay when she returns from a three-week vacation, Witt said.

"All of this had come on him at once," Witt said. "He wasn't really involved in this until recently."

Gray told him that the requirement does not affect *The Tech* or the MIT Lecture Series Committee, but did not explain why, Witt

said. Only those activities that pay students through the Student Employment Office are required to pay the benefit fee, Witt speculated.

Those groups include the Student Center Committee, the Muddy Charles Pub, and the Kosher Kitchen, according to Witt said.

"I don't know if I could convince" Gray to waive the requirement, Witt said. "He does seem to sincerely want to work things out. . . ."

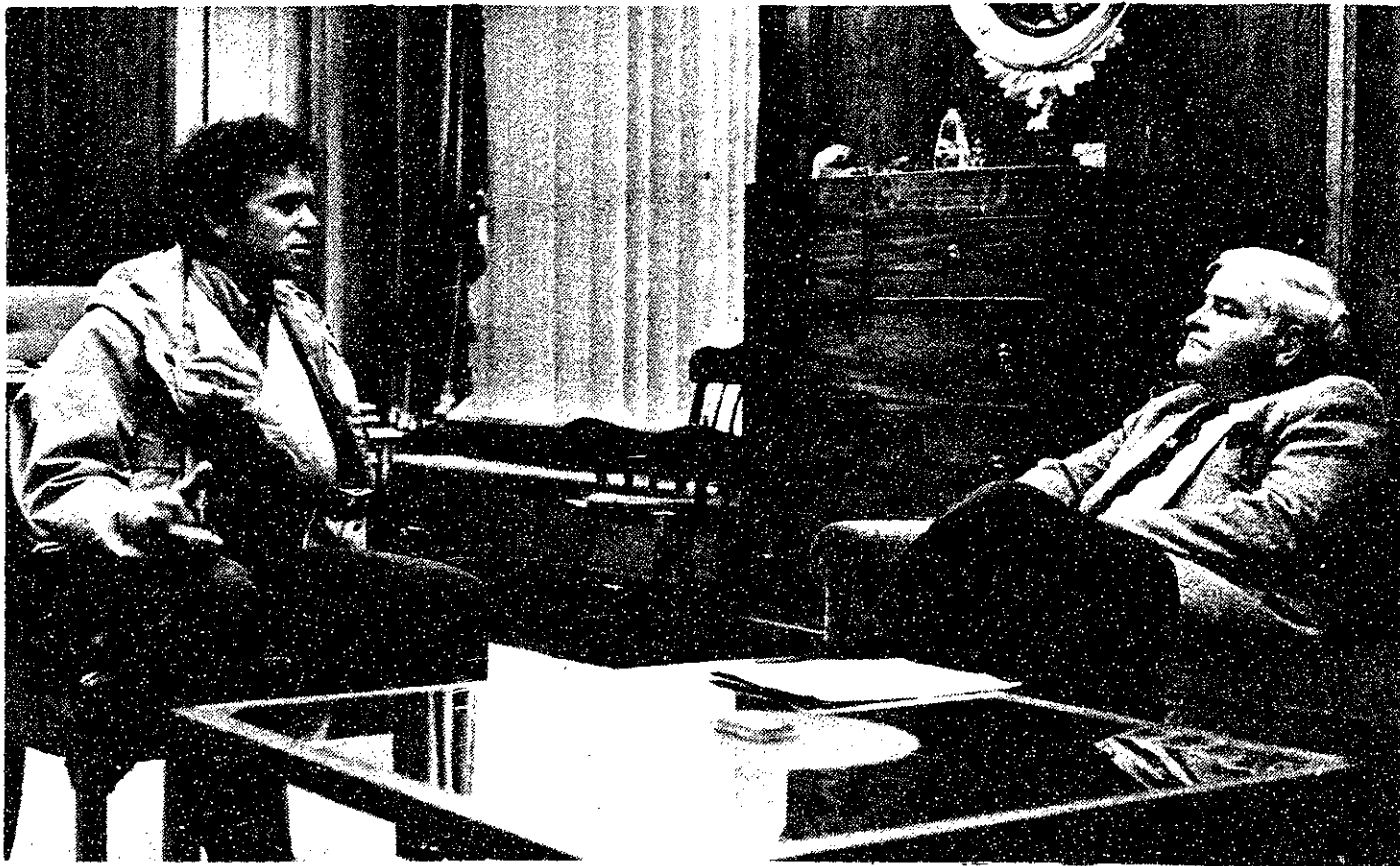
"For now, the thing to do is to try to get a hold of those groups" which are required to pay the fee, Witt said, and tell them not to pay.

Witt also said the Student Center Committee could hire a part-time accountant to manage its payroll, thereby avoiding the Student Employment Office and the benefit fee.

Johnston said that were the Student Center Committee "forced to pay," the coffee house would either raise its prices by about 40 percent, or "incorporate and apply for non-profit status outside of MIT."

Separation from the Institute "is not something a student

(Please turn to page 2)



Tech photo by Grant M. Johnson

Undergraduate Association President Michael P. Witt '84 meets with MIT President Paul E. Gray '54.

SCC extends funding power But group rejects Sigma Phi Epsilon boat cruise

By Burt S. Kaliski

The Student Center Committee approved Sunday an amendment to its bylaws that would allow the group to sponsor events outside

the Student Center.

The new bylaws state, "The MIT Student Center Committee is not restricted to activities within the Student Center."

The amendment, made after a request by Sigma Phi Epsilon for the committee to cosponsor a Spring Weekend boat cruise, passed by a vote of 12 to 3.

The committee, after hearing a series of motions and amendments, decided not to fund the cruise, by a vote of eight to six, with one abstention.

"I don't think that [the Student Center Committee] can stand to run another event over Spring Weekend," secretary William M. Hobbib '86 told the group.

Shawn P. Seale '85, Sigma Phi Epsilon social chairman, asked the committee for \$2000 to secure the boat Provincetown II and for additional support should the fraternity incur a debt.

The fraternity expects to spend \$6500 on the cruise and collect \$6000 from ticket sales, Seale said. It planned to sell tickets at \$20 per couple, he said, but may lower that price to \$5 to \$8 per person.

Micheline K. Fradd '85, member of the Student Center Committee, said the committee must appropriate \$2000; otherwise, the fraternity would be unable to secure the boat.

The fraternity had not approached the Undergraduate Association Finance Board for funding, Seale said, because the Student Center Committee has "a lot more funding."

Seale said a Finance Board member who lived in his fraternity told him that the board's chairman, Raymond E. Samuel '84, "doesn't fund anything off-campus other than [Black Students' Union] events."

Samuel said, "I have no idea what he's talking about." He said the Finance Board has funded other off-campus events, such as the Phi Gamma Delta Island Party and the Phi Kappa Sigma Skuffle Party, and confirmed Sigma Phi Epsilon had not applied to the board.

The Finance Board would consider the fraternity for funding should the group apply to the board, Samuel said.

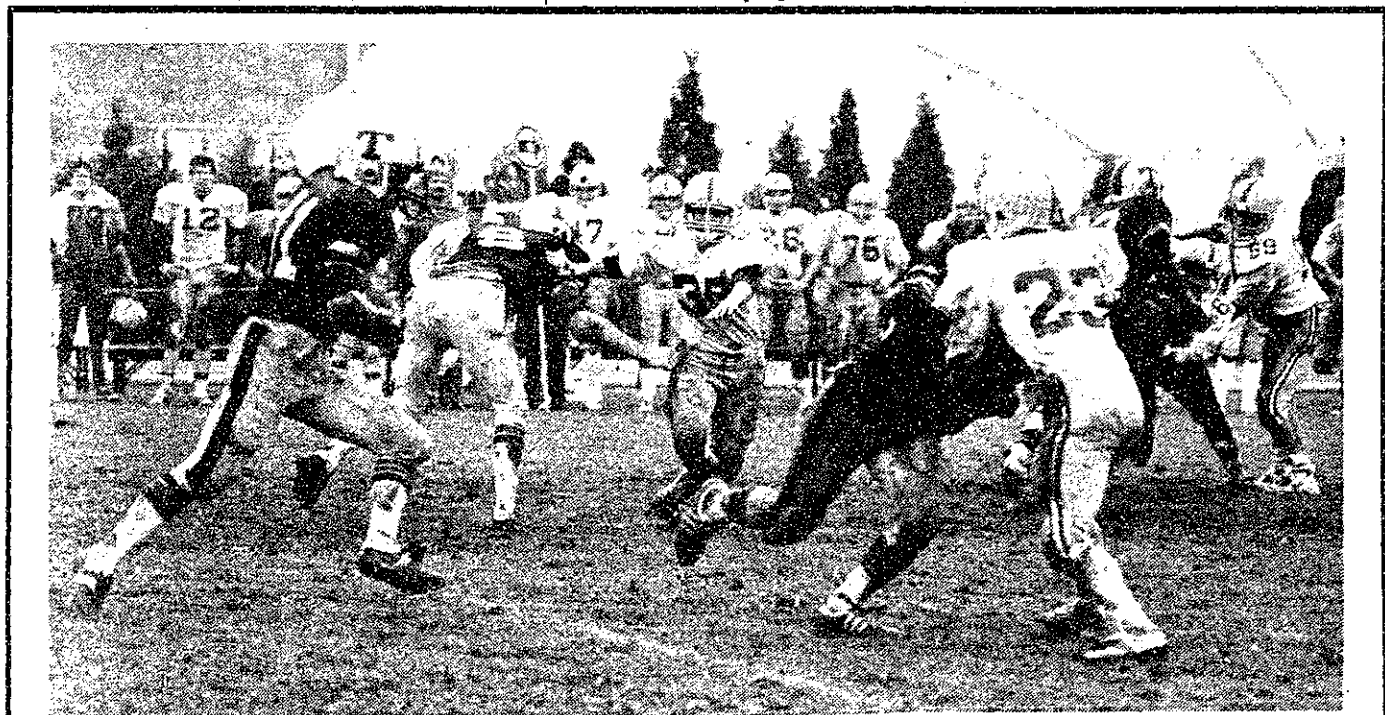
Seale would not reveal the name of the board member who had suggested he not approach the Finance Board.

John Mark Johnston '84, committee chairman, suggested the committee underwrite a deposit for the boat, but urged the fraternity to ask the Finance Board for additional funding.

Should the board reject the request, he said, the committee would again consider cosponsorship.

Seale, after discussing with Fradd the request for funding, decided to withdraw his motion. Fradd then suggested the committee cosponsor the event as part of Spring Weekend by securing the boat.

The committee attempted to table Fradd's motion, but tied after a roll call vote. It then voted and defeated the motion.



Tech photo by Dan G. Dobryn

Dave Peakes '84 charges through midfield in first half action against the Fitchburg Falcons this weekend. Despite rain and mud, MIT managed a clean win over Fitchburg, 24-7.

MIT to report nonregistrants

By Harold Stern

The Student Financial Aid Office will report to the US Department of Education the names of students who have deposited or cashed Guaranteed Student Loan checks but have not submitted a draft compliance form.

The office sent letters to approximately 100 MIT students who had deposited or cashed the checks, according to Leonard V. Gallagher '54, director of student financial aid. Only 30 of those

students had still not completed the form as of yesterday, he said.

The office will report only those students who have deposited or cashed the checks, Gallagher said.

"Any student who has received the proceeds from his [Guaranteed Student Loan], without a statement of compliance with the regulations, is already in violation of the regulations," Gallagher said.

"Our first step was to write a letter to these students," he said. Many of the students to whom the office sent letters had deposited their federal aid checks during a summer grace period, he said.

Students could cash those checks without any interference from the school at that time, he explained. The Solomon Amendment, which requires the proof of registration compliance, took effect July 1, but the Department of Education allowed a three-month grace period.

"The Department of Education and the lending institutions are backing the loan," Gallagher said. "We have to tell those people that this is no longer a valid loan."

Federal regulations require "an institution which receives a loan check under the Guaranteed Student Loan or [Parent Loans for Undergraduate Students] programs may not endorse that check or release it to or for the benefit of a student who fails to file a statement of registration compliance. . . ."

"An institution shall promptly notify the lender and the secretary [of the Department of Education] if it determines that a student who has already received or benefited from a [Guaranteed Student Loan] . . . who is informed of the duty to file a statement of Registration of Compliance . . . fails to do so within 30 calendar days of being so informed by the institution."

inside

X-treme X-citement.
Page 8.

Platter pontification. Page 9.

Students mugged in Tech
Square. Page 12.

Where, when to vote

Members of the MIT community registered in Cambridge can vote today at the following locations:

- Those living in Senior House and Eastgate should vote at Roberts School, at Broadway and Windsor Streets;
- Those living in 500 Memorial Drive, Tang Hall, and Westgate should vote at Morse School on Granite Street; and
- Those living in most other dormitories, fraternities, and independent living groups in Cambridge should vote at the fire station at Massachusetts Avenue and Main Street.

The polls will be open from 8 a.m. to 8 p.m.

Leaders address Gray

(Continued from page 1)
 group should have to do," Johnston said, and raising prices "hurts the MIT community." The committee, he said, would prefer to do neither.

"We did point out the two major problems with employee benefits" during the meeting with the president, Johnston said.

Those problems, he said, are that "the coffee house could never receive any employee benefits because they are students . . . [and] we're not part of the MIT budget which is allocated at the beginning of the term."

The Institute's "tax umbrella" allows groups which pay students through the MIT payroll system to be exempt from federal taxes, he said.

Cornett added, "In that sense, the coffee house workers are MIT employees, even though they're not paid directly by MIT."

"There seems to be an attitude coming from the administration," Cornett said, "that since certain groups have the ability to pay,

they should be made to pay, regardless of whether or not it is equitable for them to do so."

Witt wrote a letter to Gray and six other members of the MIT administration, which states, "It seems unreasonable and unjust for undergraduates and undergraduate activities to be coerced into helping to fund graduate and research programs to their own detriment . . ."

Kirsi C. Allison '83, president of the Association of Student Activities, sent a letter to the heads of all student activities yesterday, to recommend they do not pay the employee benefit fee.

"Although [the benefit fee] only affects certain activities, we feel it is setting a dangerous and expensive precedent," the letter states. ". . . if your group has any student employees, we recommend that you do not pay."

The Tech's managing board approved at its meeting Sunday a motion to publish a letter to the MIT community opposing the benefit fee.

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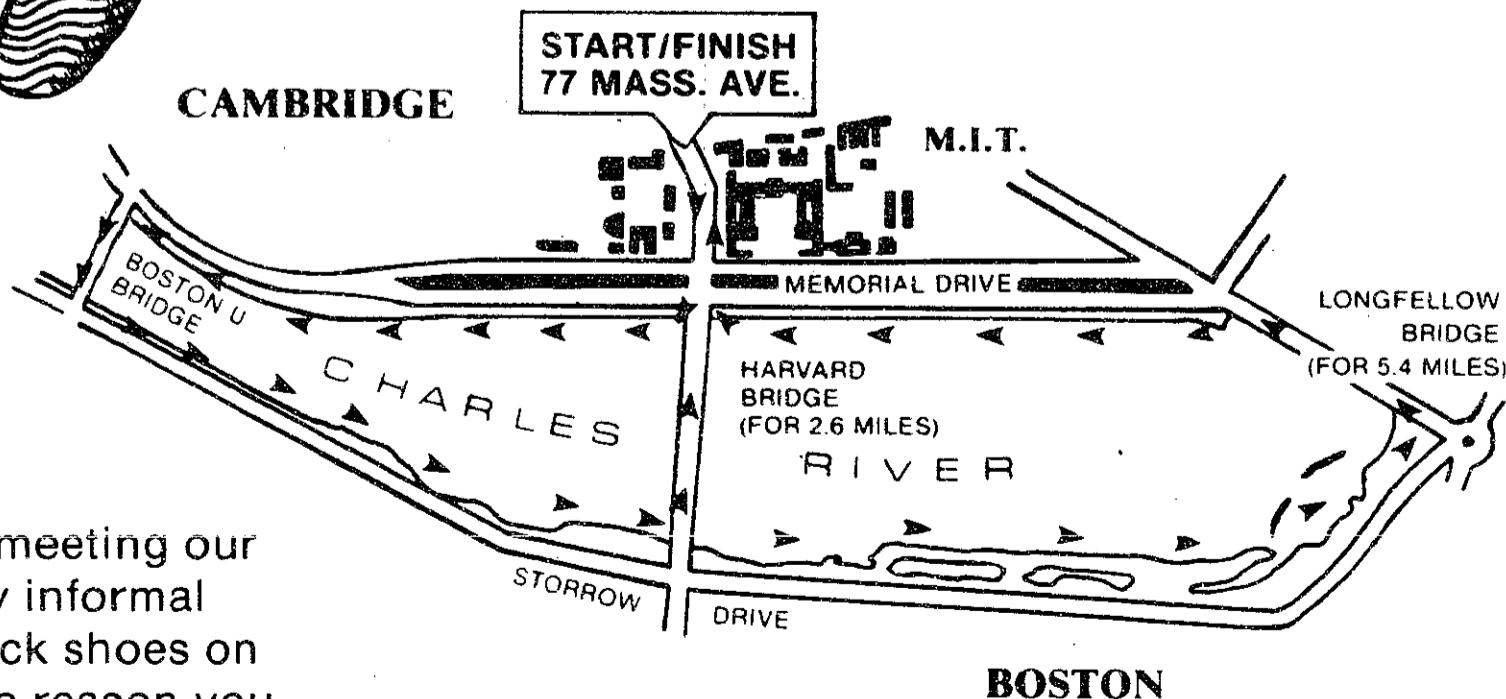
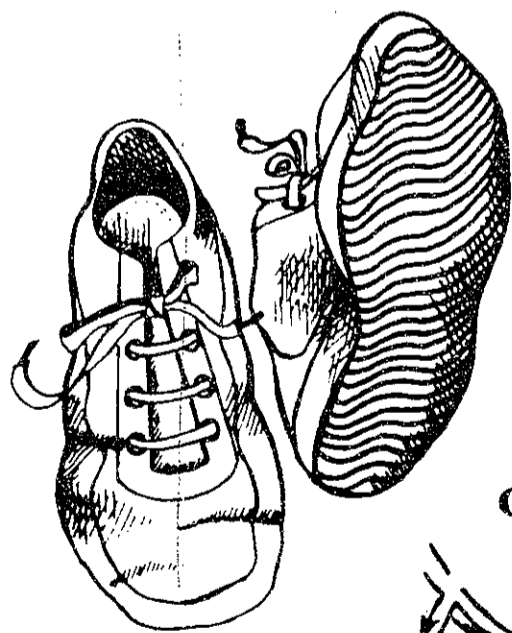
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GENERAL  ELECTRIC

news roundup

World

Bodies retrieved from trenches in Grenada — An American official in Grenada said more than 100 bodies had been found in two mass graves near a Grenadian military training camp. The victims are believed to have been killed during a rally at the Grenadian capital of St. George's on Oct. 19. One of the bodies is presumed to be that of former Prime Minister Maurice Bishop, who was shot along with four former Cabinet members during the rally, held one week after Bishop's government was overthrown. Leaders of a US Congress delegation predicted American soldiers would remain in Grenada for at least six months to train and establish police and security forces.

Arafat loyalists lose key position — Palestine Liberation Organization (PLO) soldiers led by Yasser Arafat withdrew from one of Arafat's two remaining guerrilla strongholds in Lebanon after three days of intense artillery barrages from a numerically superior force of Syrians and Syrian-backed PLO mutineers. A spokesman for Arafat said special units of Syrian commandos supported by tanks overran the Palestinian camp of Nahr el Bared Saturday, forcing Arafat and his soldiers to flee to Beddawi, the remaining PLO stronghold in Lebanon. "We shall die hard," Arafat said, vowing to continue to fight "irrespective of the odds."

Local

Poll shows Flynn increasing lead over King — Raymond L. Flynn strengthened his lead over Melvin H. King in the Boston mayoral race, according to a Nov. 3 poll conducted for *The Boston Globe*. Among those likely to vote in the Nov. 15 election, 56 percent said they would choose Flynn and 39 percent indicated they would select King, with 5 percent undecided. Flynn had led King 51 percent to 41 percent in an Oct. 27 poll. An official for Research Analysis Corp., the group which conducted the poll, said Flynn's greater strength reflects increased support in white sections of Dorchester, Charlestown, and South Boston.

Weather

Mild weather continues — Partly to mostly sunny today with a high temperature near 60 degrees. Tonight partly cloudy with a low temperature of 41 to 45 degrees. Mild, breezy, and some sun on Wednesday; high temperatures around 60 to 64 degrees. No rain is expected through Wednesday night.

Jake Timio

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Opinion

Editorial

Elect King to unify city

Boston voters will choose a new mayor for the city next Tuesday, either Melvin H. King, or Raymond L. Flynn. Both men are highly qualified for the position, but only King is able to effectively unite the city.

King has demonstrated his sensitivity to the neighborhoods through his role in developing a job program for Boston residents, his support of neighborhood-based advisory committees, and his attention to the problems of minorities in the city. His "Rainbow Coalition" includes residents of every neighborhood in the city, people of all racial and ethnic backgrounds.

Flynn's positions on issues have often been contradictory. Although he opposed compulsory education when some parents sought to remove their children from school during the busing crisis of the early 1970s, he now supports education as a key to the city's success. He supported cutting the budget of the Economic Development Industrial Commission, but he later said that commission is the key to attracting businesses to Boston.

Flynn has long served on the city council and knows much about the city budget; he claims, "I know where the cuts can be made." But King also has such experience, as director of the MIT Community Fellows Program, and as a former state legislator. He has promised "an audit and analysis, program by program" of the city's expenditures, and is capable of making reductions where necessary.

It seems unlikely, however, that King will win the election. Flynn's lead, according to polls conducted by *The Boston Globe*, has increased in recent weeks, illustrating the King's difficulty in garnering the support he needs in many primarily white neighborhoods of the city. It is a shame that discrimination still appears to play a large role in the election of government officials.

Though a victory for King is more desirable for the future of the city, either man could serve the interests of the city, and bring the neighborhoods of Boston relief from debilitating years of neglect. In this respect, the race for mayor has already produced a victory for Boston.

Editorial

Students must speak on enrollment pains

The Office of the President and the Office of the Dean for Student Affairs will hold a forum this evening to solicit opinions from the community on developing ways to alleviate overcrowding in the Department of Electrical Engineering and Computer Science and others.

Each of the solutions now being seriously considered threatens some freedom crucial to MIT students. The proposal that students apply as freshmen to specific departments violates the tenet that admission to MIT implies the freedom to choose any major offered by the Institute.

The notion of reviewing grades and limiting admission to certain departments on that basis will only increase academic pressure and reinforce students' and prospective students' image of MIT as a sweatshop. Institution of freshman grade review again menaces the freshman pass/fail system, a favorite target for emasculation by the administration in the past year. The absence of recorded grades from the freshman year is often a primary reason behind a student's deciding whether to attend or remain at the Institute.

A policy of reviewing sophomore grades would force students to gamble with their futures: should one play it safe by taking a broad range of classes to prepare for more than one major, or should one risk it all by loading up on Course VI subjects? Completing another major entails extra time and expense, no small concern for an MIT student.

Some departments would attract students lured only by the challenge of gaining admission to them, while others would be perceived as "dumping grounds" for those unable to survive the more competitive courses. This situation would create an unhealthy elitism at MIT, further detracting from the quality of life here. This school must not become the Massachusetts Institute of Electrical Engineering and Computer Science. The administration must develop the latent diversity present at this university.

The best solution is to change publicity techniques and recruiting policies to focus on less well-known, though similarly excellent departments. The change will harm no one while increasing the enrollment in and upgrading the quality of non-engineering departments.

There is still time to influence the composition of the Class of 1988 if the decision is made now. Smaller departments, the Dean's Office, and the MIT News Office should assist the Admissions Office in recruiting and admitting a more broadly based group of freshmen next year.

The forum will take place between 4 p.m. and 6 p.m. tonight in room 26-100. The administration will make a unilateral decision if there is no student input. Go to the forum and make yourself heard on this issue.



Editorial

Vote in city elections

It is often easy for students to forget, living in a self-contained campus, that many members of the MIT community are also residents of Cambridge. Residency demands civic responsibility, and part of that responsibility is voting in local elections.

Today's election is perhaps the most important in a long time. The citizens of Cambridge will elect a city council for the next two years, and pass judgment on three referenda, including the Nuclear Free Cambridge Act.

Cambridge is an extraordinarily diverse city in the midst of extraordinary change. The dual stresses of increasing development and the desire to preserve the individual neighborhoods promise major changes in the coming decade. Unifying the various elements of the population without stifling their individuality will be a challenging task. The responsibility for directing the course of the city in the next two years ultimately falls to the nine city council members.

The Nuclear Free Cambridge Act represents an attempt to regulate research and development. Whether residents favor or oppose the referendum, they should voice their opinions at the polls.

All registered voters should take advantage of their rights to influence government both at a national and state level, and today, at a level by far the most representative: the city government.

Editorial

MIT must not censor

The Undergraduate Association General Assembly will hold a special meeting Thursday, November 10, at which it will consider proposing a referendum concerning community standards on pornography.

Discussion since the beginning of this year of the subject of pornography and community standards has been beneficial. It has encouraged members of the community to voice their opinions and understand those of others. Censorship, whether dictated or voted, is anathema to the right of individual choice, to the United States Constitution, and to the spirit of MIT. As an institution predicated on the free exchange of ideas, MIT must not censor films or literature even if the ideas presented are unpleasant to some or even most members of the community.

A democratic government's greatest challenge is to avoid employing majority rule to the detriment of minorities. This "factional" majority, as James Madison defined it, abuses its power by exploitation or repression of a minority. The right to freedom of expression and choice is one which the majority must not abridge, especially if the ideas presented or chosen run counter to prevailing tastes and mores.

A decision to hold a referendum, even a non-binding one, on pornography at MIT would create a dangerous precedent. A future referendum might seek to censor "radicals" opposed to an action by or against the government, or to prevent the dissemination of an idea offensive to the majority. Approval of a referendum on pornography and community standards would represent a blow against free intellectual exchange. The General Assembly must reject the notion of a referendum on what information may be permitted on campus.

The Tech

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Tuesday, November 8, 1983

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Statement of Tech policy

To the MIT Community:

The Managing Board of *The Tech* believes MIT's decision to enforce the requirement that student activities must pay an amount equal to 33.9 percent of its payroll to fund the MIT employee benefit program is a poor one, lacking in foresight, understanding, and compassion for student activities. The requirement places an unnecessary and onerous burden on student activities. It is unfair because the activities — and ultimately the students — who pay the tax will never reap any of the benefits.

The Tech therefore rejects the Institute's fee requirement and will not transmit any portion of its payroll to the benefit program.

The Managing Board
 Volume 103, The Tech

Opinion

Column/Simson L. Garfinkel

Split up Course VI to ease overcrowding

Today, there will be an open forum to discuss the severe overcrowding in the Department of Electrical Engineering and Computer Science (EECS). In the past, overcrowding has been handled on a subject-by-subject basis, dropping underclassmen from popular — and mandatory — Course VI subjects, such as Structure and Interpretation of Computer Programs (6.001), and Laboratory in Software Engineering (6.170). These short-term measures have done nothing to check the rising number of student declaring Course VI as their major.

There have been several methods suggested to lower the high number of EECS majors: a separate EECS application for high school seniors, uncovering "hidden" freshmen grades of EECS majors, and onerous academic criteria for MIT freshmen wishing to major in EECS. These suggestions, like most others that would curtail the opportunity of a student to major in Electrical Engineering or Computer Science, are contrary to MIT's basic philosophy that an individual should seek out and pursue that at which he is best and enjoys most.

The use and programming of computers will become widespread, not restricted to computer science majors, as the role of computers in society increases. Just as mathematics is not restricted to those majoring in the Department of Mathematics, the use of computers will become less a subject for study and more a tool: A student of thermodynam-

ics employs multi-variable calculus, and student of physics designs an electronic triggering system. High-level computer science, naturally, will remain the domain of Course VI, just as high level mathematics has remained the domain of Course XVIII.

MIT must take instruction in the use and programming of computers out of the hands of the Department of Electrical Engineering and Computer Science and distribute it among other departments. Principles of Computer-Based Engineering Problem Solving (1.00) and Elementary Programming and Machine Computation (2.10) are only the first steps in the right direction. In addition to teaching *how to program*, these courses must also teach *what to program*. The subjects must, in particular, teach how to solve problems related to the department. This naturally implies that each department offer its own version of 1.00 or 2.10 tailored to that department's needs.

The advantages to this plan are manifold. Classes would be smaller and more specialized, allowing more attention and more emphasis on programming for solving problems, rather than programming as an art. In addition to the introductory course, students majoring in a given department would have the option of taking advanced computer usage and programming subjects.

There will be many more subjects in computer science and electrical engineering than are currently offered, just as the ex-

tent of computer usage in society will increase exponentially over the next few years. To implement this plan, however, there would have to be a substantial increase in the computer power available on campus.

This plan is already being implemented, if only on a limited scale. The Department of Architecture offers subjects in computer graphics programming. These subjects are most valuable because they concentrate on computer graphics as an end in itself, without hindrance from other computing details foisted by EECS. Other departments teach subjects in the effective use of microcomputers in industrial environments, and the Sloan School offers subjects analyzing problems of computer usage by business.

There are only three reasons for majoring in EECS: a love for electronics and computers, a desire to effectively use computers in a future career, and the financial incentive. Students majoring in VI-1 or VI-3 will make a lot of

money. The above proposal would make it advantageous for individuals falling into the second and third categories not to major in Course VI, but to major in a department that truly fascinates them. In that department these students could take "concentrations" in the use of computers in their field. These people, when

they graduate, would be in greater demand in their respective fields than would generic computer science majors.

If a large chemical producing company, for example, were looking for a programmer to do work-efficiency studies, the company would be much more likely

(Please turn to page 7)

Fast For A World Harvest

Join in on Hunger Action Week, November 14-17, a week of lectures, presentations and events to increase awareness of our world's hunger problems.

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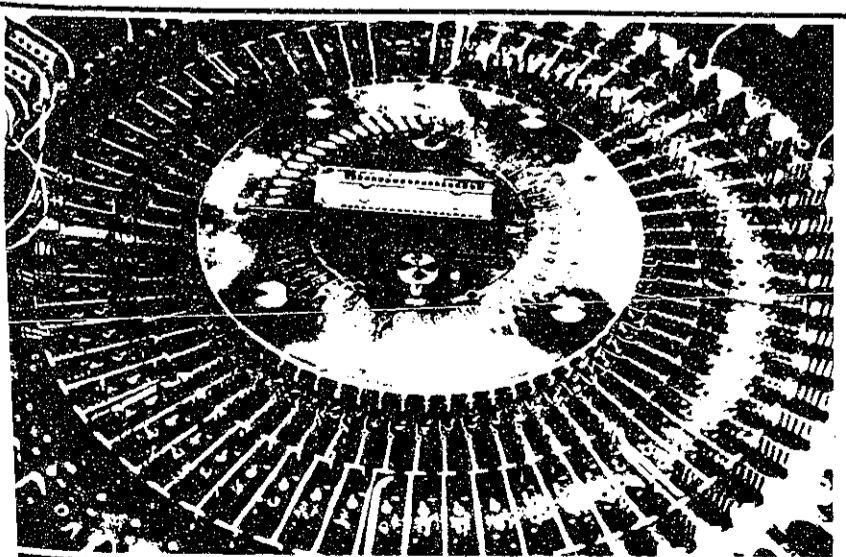
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Opinion

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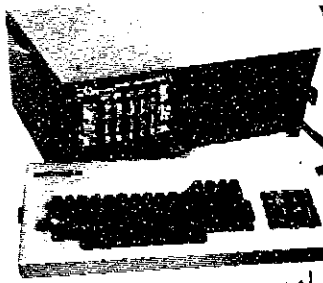
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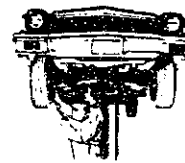
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Opinion

EECS should divest itself

(Continued from page 5)

to hire a chemical engineer who was a good programmer than a good programmer whom they might or might not be able to teach the chemical engineering necessary to solve the problems at hand.

The emergence of accounting programs in the microcomputer market over the past few years illustrates the importance of a broad-based education. A few years ago, a great number of useless accounting programs appeared on the market for micro-

computers. The programs were useless because they were written by programmers who had only the barest understanding of accounting. Recently, accountants who have learned how to program have begun writing superior packages.

The only people left majoring in EECS will then be those taking it because they really love computers and electronics. These are the types of students that should be in Course VI in the first place, the student who designs a new computer language

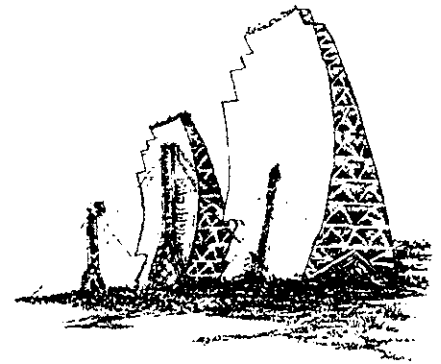
because he knows that he can write a better language, the student who designs a new basic logic circuit which is simpler and more powerful, the student who builds an analog computer over Independent Activities Period to see if it will handle cryptography faster than digital computers. These are the students who should be majoring in Electrical Engineering and Computer Science — the students who will break the ice so that others can sail smoothly in their wake.

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RECRUITERS will be on campus December 7, 1983
interviewing for civilian opportunities as ELECTRONIC ENGINEERS.

feedback

Nuclear Free Cambridge resolution is good idea

To the Editor:

As I write this, I have just put down the telephone after a long discussion with one of the organizers of the Nuclear Free Cambridge referendum, and I am moved into writing what I just told him.

I cannot vote for the referendum because I live in Boston. I do not feel like signing a petition for the referendum because Cambridge is not my city. If I did live in Cambridge I would vote for the referendum, and I truly hope it passes. This is not because I believe it does not pose any issues of freedom of speech. A good deal of what has been said in the recent debates is clearly nonsense; we cannot believe that any and all kinds of research must be protected by the First Amendment. But there is an is-

sue. The referendum has its fuzzi-ness. But those will be worked out in the courts. When you are writing a bill, you try to figure out whether the courts will support it. But once you have done your best try at drafting, the issue is whether the bill represents what you want. In voting, one is not to second-guess the courts.

If the referendum passes, it will certainly be challenged, and the hearings of those suits will be fascinating. We will have to look at how we live, and at how we permit the preparation of nuclear war in a way we have not done before.

I hope that the voters of Cambridge give us all that opportunity.

Lisa Peattie
Department of Urban Studies
and Planning

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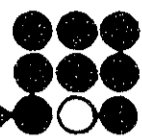
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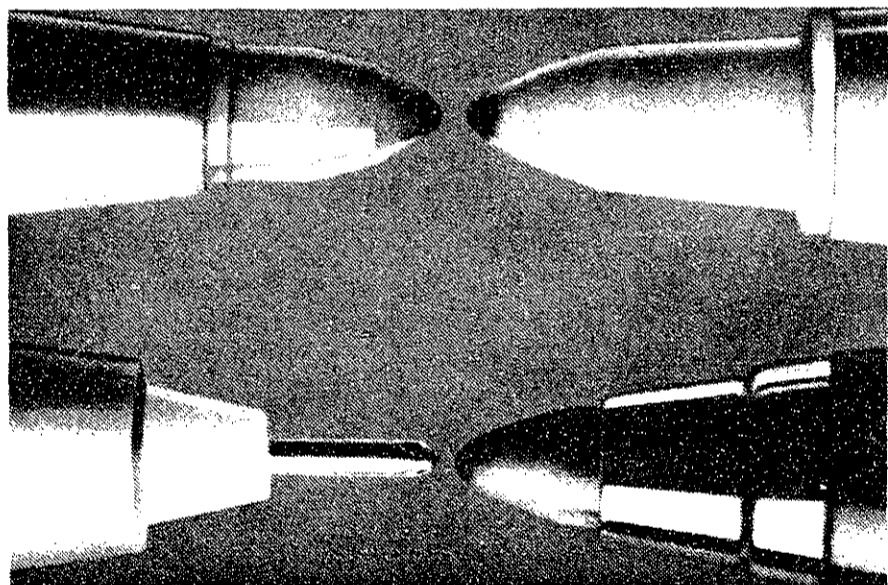
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UA News

GUYS AND DOLLS

The MIT Musical Theatre Guild will be presenting its fall show, **Guys and Dolls**, this Thursday, Friday, and Saturday, November 10, 11 and 12th at 8pm in Kresge Auditorium. Tickets are \$5 (\$3 for MIT students), and are on sale in Lobby 10. For information and reservations, call x3-6294.

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The blood drive ends This Thursday, so if you haven't yet given, hurry and make an appointment.

4p,9p

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Finance Board Seat Open

The Finance Board currently has one seat open. If you are interested, please pick up an application in the FinBoard office, room 401 of the Student Center, or contact Win Treese, dl-8900. Application deadline is Friday, November 11. Finance Board members are responsible for making budget decisions and for being a liaison to several activities, which involves working close with those activities which receive FinBoard funding.

**Editors, Producers,
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WMBR, MIT's radio station (88.1 FM), needs you for its news department. If you are interested, call Scott Morrison at dl-7305. Let your voice be heard!

UA Newsletter

After last Thursday's General Assembly meeting, the GA Exec Board got together and came out with its first newsletter, which will be available today. We hope to expand the calendar and announcements sections, so if your activity wants to publicize an event or meeting, please leave the information in the **UA News** mailbox in room 401 of the Student Center, at least a week in advance. We plan to publish the newsletter every other week, the next one coming out around Thanksgiving sometime. The **UA News** published on Tuesdays in the **Tech** will probably be continued, either on alternate weeks, or as needed. For information on deadlines, or other questions, call the UA Office at x3-2696 or get in touch with one of the GA Exec Board listed in the newsletter.

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opinion

→ feedback

Vote for nuclear free act

To the Editor:

In this election Cambridge voters will have a chance to ban nuclear weapons research and development from their city. We are computer professionals with careers in the high tech field. Because of this, we feel a special responsibility to publicly urge the people of Cambridge to vote YES on Question 2.

We ask Cambridge citizens to think carefully about the following reasons to support the Nuclear Free Cambridge Act:

(1) It is vitally important for us to show the politicians in Washington that the American people want an end to the constant escalation of nuclear terror. We cannot wait while Ronald Reagan keeps proposing and Congress keeps passing increases in our nuclear budgets. We must act now, here, to begin the end of such madness.

(2) Contrary to opponents' charges, making Cambridge a Nuclear Free Zone will help create jobs, not endanger them. The law would only affect part of the business of one firm, Draper Labs, that employs only 180 Cambridge residents. In the two year transition period allowed by the law, Draper Labs could easily use its expertise to find other work for its employees. Should Draper decide to leave town the current rapid expansion of high tech industry in Kendall Square would quickly reoccupy the Draper building and re-employ all available workers.

In fact, replacing nuclear weapons work with non-nuclear (preferably non-military) contracts has been consistently

shown to create more jobs per dollar, and more support jobs per scientist. Voting YES on Question 2 is a vote for jobs.

(3) The Nuclear Free Cambridge Act specifically states that "basic research, the primary purpose of which is not to work towards the development of nuclear weapons" is not affected by the law. It is misleading to describe Question 2 as an attack on freedom of thought or basic research. It will prevent people from developing ever better ways to destroy humanity. But this is similar to outlawing research on better ways to inflict human torture. Both are prohibitions to be proud of.

(4) Several constitutional lawyers have stated that the Nuclear Free Cambridge Act is not a violation of the Constitution. Nowhere in the constitution does a private firm get the right to vio-

late local laws designed to protect the health and safety of citizens.

Signed by the following members of Computer Professionals for Social Responsibility (institutional affiliations for identification only):

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- Lotus Development Corporation
- Joel Taunton
- Wang Laboratories
- Denis Shasha
- Harvard University
- Thomas Whitaker
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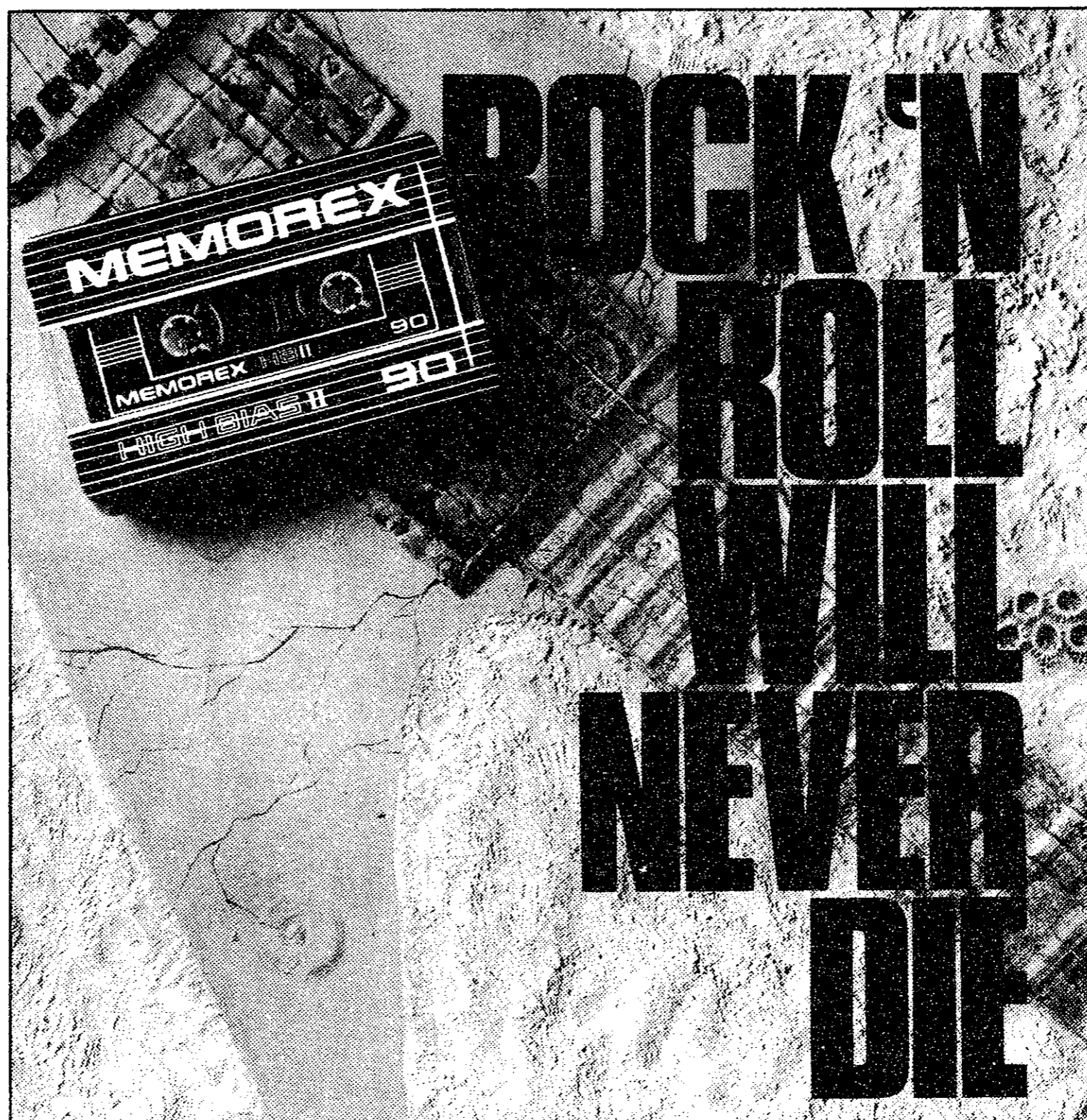
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Funding for biotechnology seen necessary to outgrow Japanese

By L. S. Wiener

"At the present time, the United States government is committing an absolutely disastrous mistake in the way it is allowing an erosion to take place in the funding of basic [biotechnology] research," said Dr. Ronald E. Cape, chairman of Cetus Corporation, at lecture on biotechnology sponsored by the Edgerton Lecture Series.

Cape discussed both the lack of federal funding for biotechnology research and the resulting increase in Japanese competition to American industry. "They did it to us in steel, they did it to us in cars, they did it to us in semiconductors, and they are going to do it to us in biotechnology," he warned.

Research is suffering at the university level, while industry is doing fine, Cape said. "There is no shortage of money to do what the companies want to do," but the basic research financed by the National Institute of Health is "lucky to be holding its own."

Cape said he is amazed by the lack of research grants for biotechnology is occurring at a time when there have been many newly discovered research areas. The recent breakthroughs "have placed us in a position that is more challenging than the opportunity to go to the moon was in the early sixties," he said.

The lack of funding at universities is increasing the flow of top

academic figures into industry, according to Cape. "It's like eating our own umbilical cord," he said, referring to industry's dependence on the universities to train potential employees.

Professors are increasingly tempted to move to industry, he noted, especially when the lack of university funding is combined with the very lucrative financial situation in industry; Genetech stock soared from \$35 to \$88 per share in one hour — one example of the current rage.

Cape listed America's "long and short suits" in our race against Japanese technology. One long suit is our love for gambling, he said. "The hundreds of billions of dollars invested comes out of the pockets of people who want to shoot dice."

Our short suit is our impatience, he said. "The field will take a long, long, long, long time to pay off," Cape explained. The American tradition is to place a lot of pressure on its executives to show a profit. "They say genetic engineering is a terrific way to make a small fortune — providing you start with a large fortune," he said.

Japanese companies enjoy heavy government support and exploit technology transfer with the United States, a program which is excessively one-sided, Cape said. He would like to see a government policy created to offset this technology drain; however, Cape and others have run into

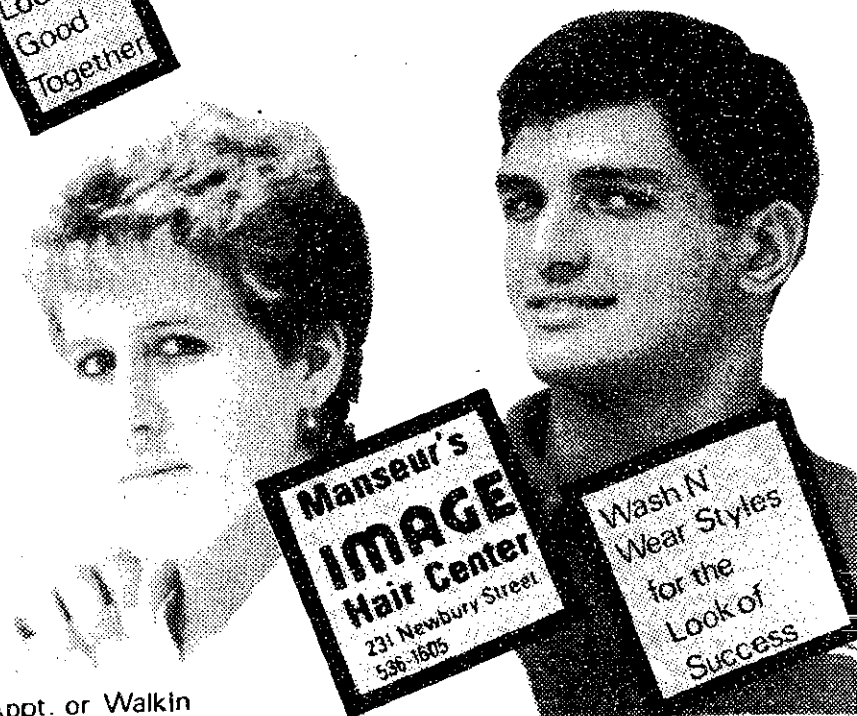
difficulties in appealing to Washington for protective policies.

Although Reagen touted the importance of high technology in his last State of the Union Address, the president slashed research budgets one week later, Cape said. At a recent meeting of the Industrial Biotechnology Association, Cape said he was told by the representative of George Jay Keyworth, presidential science advisor that "the science advisor to the president is not there in any way to communicate the opinions of the scientific community to the president — [rather] he is there to tell us what the president thinks about science."

Cape was a member of a task force created six months ago to determine the problems and possible solutions to many biotechnology policy issues, but Keyworth never say the report, Cape said.

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Two students victims of Tech Square muggings

By Amy S. Gorin

Two MIT students were robbed this weekend near Technology Square, according to James Olivieri, chief of Campus Police.

Jean-Joseph Coté '83 was walking past a housing project bordered by Harvard, Portland and Main Streets Saturday evening on his way to deposit a paycheck when he was robbed, according to the Campus Police report.

The second robbery took place Sunday night, on Broadway near Hampshire Avenue, Olivieri said. A female student was approached from behind by two males, one of whom brandished a pistol and demanded her purse, he said.

She gave the robbers her purse, he said, and the suspects ran toward a nearby housing project.

Coté described his assailants as two black males of medium height and weight, one clean-shaven and the other wearing a beard and moustache. They stepped out of a car, accosted him, and demanded his money, he said.

When Coté raised his hands and explained that he had no money, the men searched him, he said, but found only an empty wallet and the paycheck, a deposit slip, and bank card.

The assailants instructed Coté to enter the back of their car, he said. They then ordered him to lie down on the seat, drove to his bank, and forced him to withdraw \$100, Coté said.

The men took his money and the paycheck and drove toward Lechmere, according to the Campus Police report.

One of the men claimed to have a shotgun and said he would "blow my head apart," according to Coté. The other said he had a pistol, but neither weapon was visible.

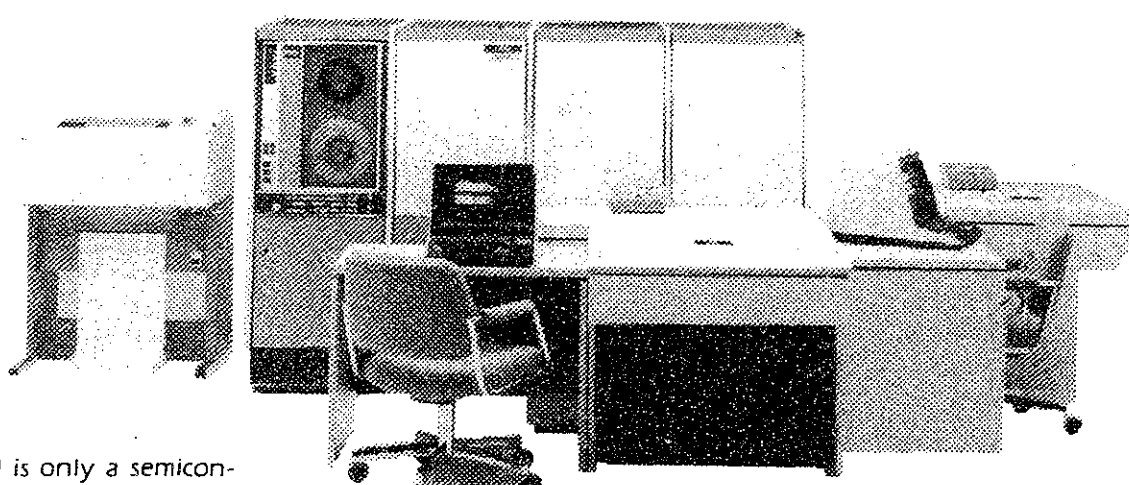
The suspects drove a late model, yellowish-tan, American-made two-door sedan — possibly an Oldsmobile — with paper licence plate 729-HSA, Coté said.

Olivieri said Campus Police will distribute a bulletin later this week warning students to avoid

certain areas around campus. The areas near Technology Square and Main Street are not MIT property, he said, and Campus Police cannot maintain a patrol there.

EE & CS GRADUATES

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Sports

Eric R. Fleming

MIT volleyball - the best team by far

Question: What is the best college team in the Boston area, in any sport? Boston College's basketball or football team? Babson's soccer squad? Maybe Harvard's hockey team? I submit "none of the above." My pick is our own women's volleyball team, which romped through the state tournament Saturday for a third-straight year.

OK, I know I'm comparing apples and oranges. I know "best" has no specific set of criteria. I also know of no area teams which have dominated their opposition as our spikers have, especially during the last two years.

MIT's accomplishments speak for themselves: The Engineers' match record is 36-0 this year, 70-5 over the last two years, and an amazing 101-13 since 1981. The Engineers are ranked fourth in the National Collegiate Athletic Association Division III volleyball coaches' poll, the only

Eastern and the only unbeaten team to make the top ten. Only Springfield, Northeastern, and Mount Holyoke have managed even to win a game in 81 tries against MIT this year. Watching the team gives one the feeling they are playing at a higher level than any competition to date.

Against the University of Massachusetts, for example, the team was down 0-5 in the first game. Did MIT panic? Nope. The team settled down, and decided to play the game of volleyball as it knows how. Before anyone realized it, MIT took the game, 15-6.

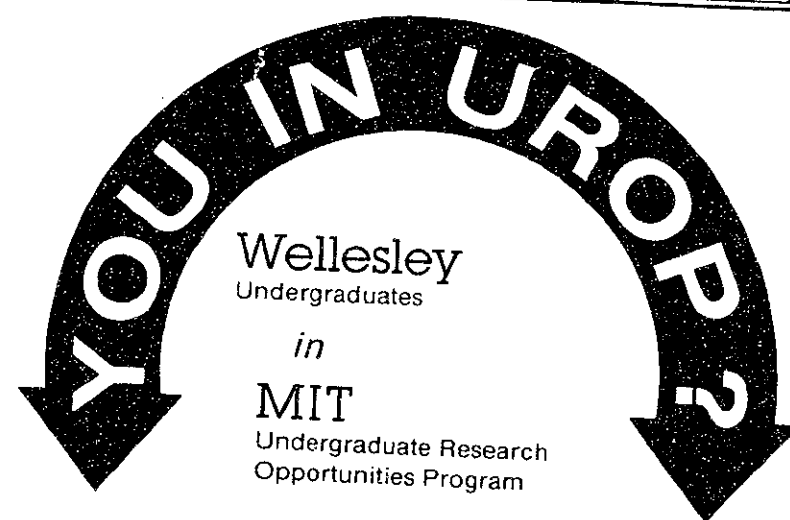
The second game was a continuation of the first. Serving, setting, spiking, saving, blocking, MIT took the edge in all phases of the game — final score, 15-0.

Although the whole team is responsible for the success, there are times when one player takes over and dominates a stretch of a game. Hitter Lori Cantu '85

scored three straight points on two spikes and a tap to break open the second game, while Julie Koster '85 made three key blocks to tie the first game at six. These flurries can demoralize the enemy, and when combined with consistent play from the other team members, make life tough for MIT's opponents.

The team came within one game of making the NCAA Division III final four last year. Going that one step farther is the goal for 1983. The task, obviously, will not be an easy one. The competition will get tougher as MIT moves on in the tourney, but the experience gained in 1982 will help the team immensely.

Head coach Karyn Altman '78 and her troops have had a phenomenal season, no matter what happens. Their efforts are something they and all of MIT can and should be proud of.



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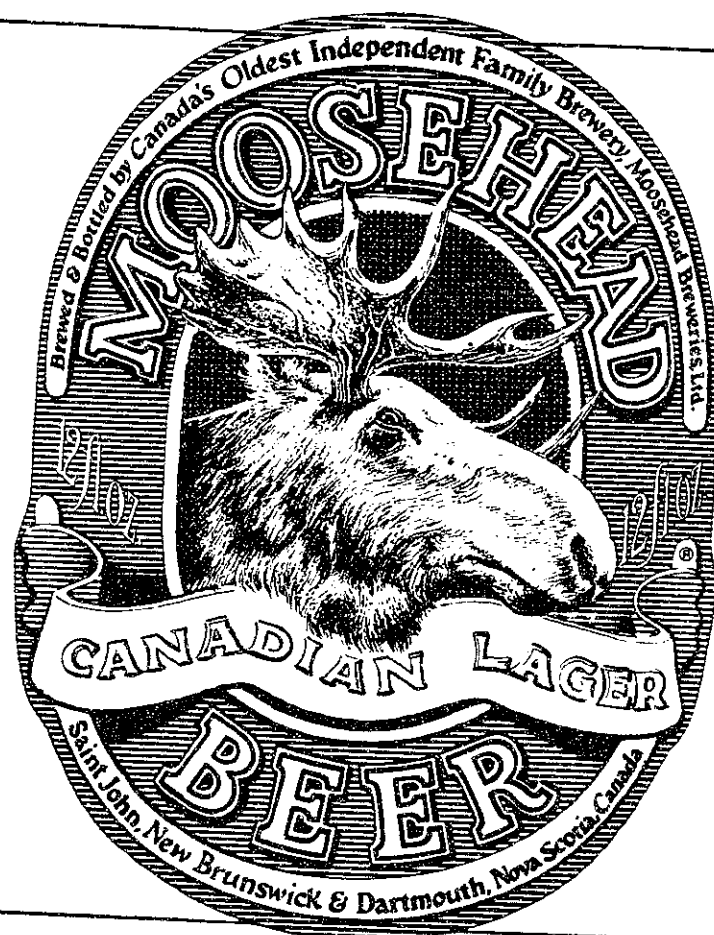
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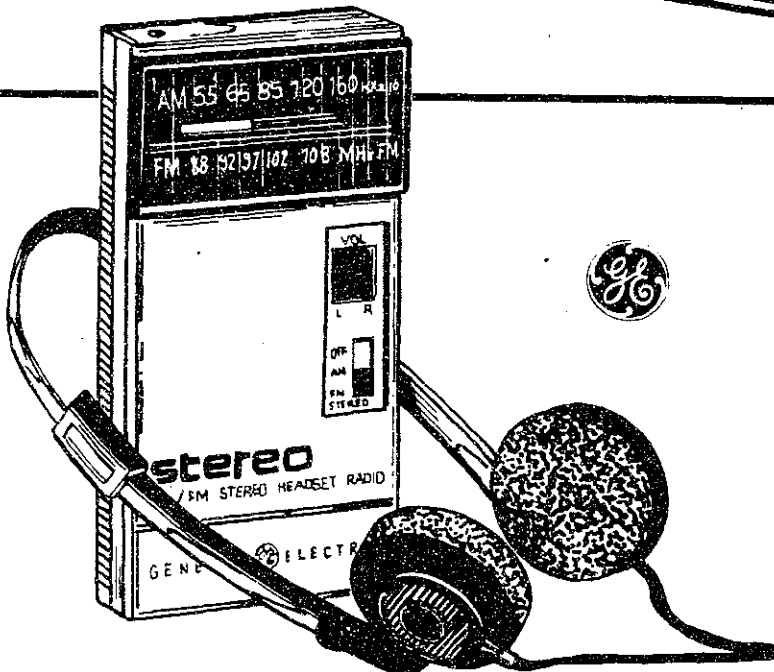
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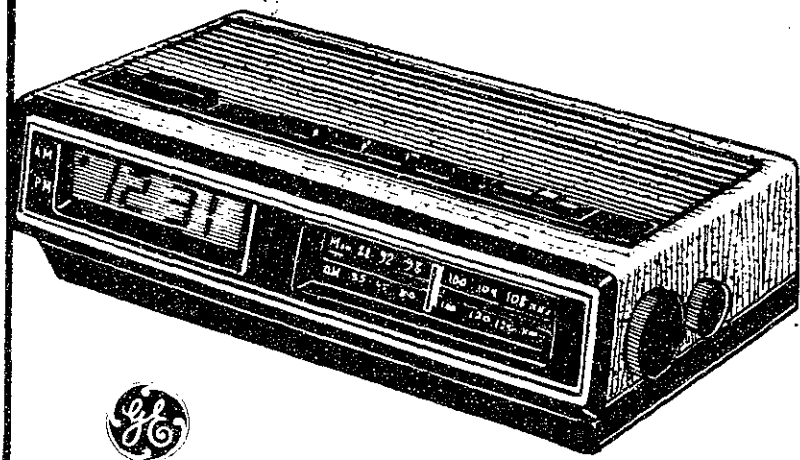


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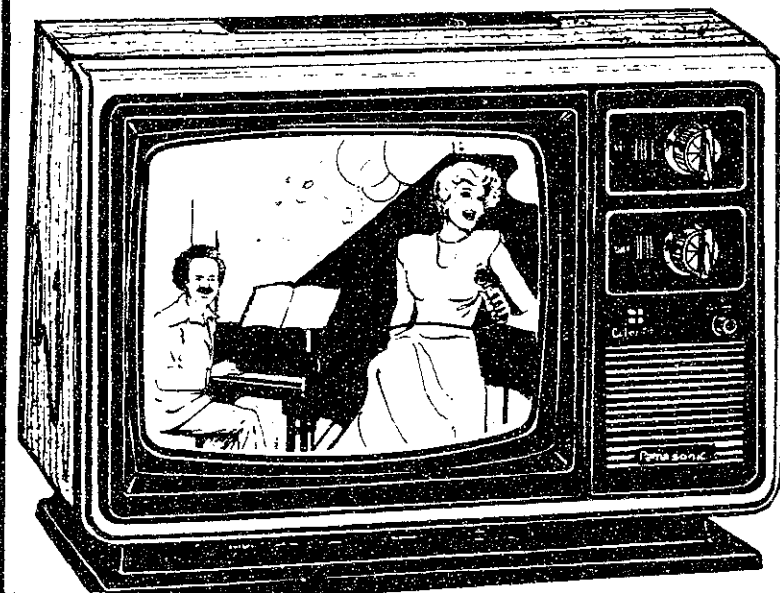
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11-15

sports

Allen powers 24-7 club football victory

By Eric R. Fleming
 Fred Allen '84 should play in mud more often.

The muck did not bother the halfback as he rushed for a record 177 yards and scored three touchdowns, powering the football club to a 24-7 win over Fitchburg State here Saturday.

Allen's performance is not adequate to describe the conditions Saturday. Six hours of rain turned the usually tough Steinbrenner stadium field into a swamp, and it became obvious that normal game plans would be rendered useless.

MIT 24, Fitchburg 7

MIT 24, Fitchburg 7
 Fitchburg St. 7 3 0 0 = 24
 MIT 21 0 0 0 = 7
 —Fred Allen 42 run (Tom Hastings kick)
 —Allen 25 run (Hastings kick)
 —Bob Eldridge 50 pass from Ed Caveney (Tom Hastings kick)
 —Allen 67 run (Hastings kick)
 —FG Hastings 28
 Penalties—50

	MIT	Fitchburg St.
Points	7	10
Yards	38-274	42-96
Passing yards	63	96
Rushing yards	59	98
Turnovers	3-3-0	15-5-2
Penalties	4-114	1-31
Time of possession	1-1	2-1
Net yards per play	8-61	3-35

Individual Leaders
 Passing—MIT, Allen 11-177, Dan Curran 9-50.
 Fitchburg State, John Campbell 21-56.
 Rushing—MIT, Dave Broecker 3-3-0-63, Fitchburg Caveney 14-5-1-96.
 Receiving—MIT, John DeRubeis 1-36, Corey Walker 1-22.
 Fitchburg State, Eldridge 2-59, DeWayne Walker 1-31.

Obvious to everyone, that is, but the Engineers. They opened by promptly marching 75 yards in four plays, the last two being a 29-yard run by Dave Broecker G and Allen's first score, a 42-yard gallop. Tom Hastings' kick put MIT up 7-0 barely two minutes into the game.

Fitchburg fumbled the ensuing kickoff, and MIT's Dan Curran '85 recovered on the Falcon 29. Two plays later, Allen did it again, this time going 25 yards for the six. Hastings' conversion was again perfect making it 14-0.

The enemy scored six minutes later on a bomb from Ed Caveney to Bob Eldridge. The 50-yard strike and conversion cut the MIT lead in half, 14-7.

Before the Falcons could savor the glory, however, Allen struck back. After a nifty 23-yard kickoff return, he found a hole in the right side of the Fitchburg defense, and took advantage of the

daylight to run 67 yards for his third touchdown of the day. Hastings converted to give MIT a 21-7 advantage. Allen scored his three touchdowns on just three carries, gained 134 yards rushing in the first quarter, and 157 yards in all-purpose offense in those first fifteen minutes.

Not least any of the hard-core football fans who showed up were beginning to think the game would become a display of offensive fireworks, Mother Nature and the poor field conditions soon took over. Neither team could do much else on the attack, and Hastings' 28-yard three-pointer at the end of the first half completed the scoring.

MIT, fielding the league's top rushing offense, piled up an incredible 274 yards on the ground (mud, that is), 220 in the first thirty minutes, and 337 overall. Fitchburg, however, had the edge in first downs, ten to seven,

which underscores MIT's use of the big play in gaining the win.

The Engineers, at 5-3, are assured of their first winning sea-

son since 1980. They close the season next Saturday at Roger Williams.



Tech photo by Dan G. Dobryn
 Tom Hastings G kicks a field goal during the last seconds of the first half, bringing MIT's lead to 24-7.

Volleyball takes title

(Continued from page 16)
 realization on UMass' known weaknesses," which were discovered by scouting ventures. In other tournament action, Holyoke defeated Smith, Eastern Massachusetts University, Stonehill, and Tufts for the Class B title, while Clark Bentley in the Class C fi-

The Engineers' next home game is Tuesday night against the University of Lowell, starting at 8 p.m. in duPont.

Muddy win for rugby club

(Continued from page 16)
 In order to conserve the strength for the final.

When Framingham State lost to the Thames River (Conn.) Rugby Club, 44-4, in the following game, it became apparent MIT would have to abandon its scouting plan and put the club on the field in its match against Thames River in order to win the final.

The Beavers did field their best and the game turned out to be MIT's best-played of the day, as they won handily, 17-0.

The red MIT team took to the field in the final against a fired-up Norwich squad bent on avenging a loss earlier in the season. The pitch had deteriorated into a mud bowl, so neither team was able to put together much during the entire game.

The first half was scoreless, but momentum seemed to be in MIT's favor. The second half was also scoreless until, with 15 minutes to go in the game, Hastings scored a penalty kick to lead 3-0.

The discipline instilled by MIT coach Kevin O'Brien came through, however. Instead of conceding the field to the Norwich team, the Beavers marched the field to the Norwich end. With time running out, Cocco G made a brilliant run for the try zone to gain the victory, and the tournament trophy for the Beavers.

MIT is now 7-3 on the season and will travel to Tufts University for a noon match.

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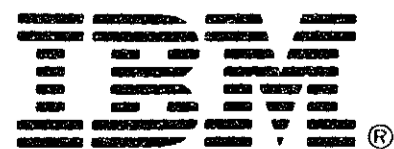
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sports

Two teams take weekend tournaments

Volleyball snares sixth MAIAW Class A crown

By Victor J. Diniak

The women's volleyball team added the Massachusetts Association for Women (MAIAW) Class A championship to its list of achievements, with 2-0 sweeps of Wellesley, Eastern Nazarene College, the University of Lowell, and the University of Massachusetts at Amherst Saturday, raising the Engineers' record to 36-0 on the season. Saturday's victory in Rockwell Cage marks the sixth time MIT has held the MAIAW Class A title in the past nine years.

MIT put down the fired up Wellesley squad 15-3, 15-6 in the 9 a.m. match. The first game started off slow for both teams. Lori Cantu '85, however, stepped up to the serving line at 4-3 and, with help at the net from Amy Smith '84, Janette Kauth '85, and Anella Munro '85, broke the game open, chalking up ten points on hard, low serves. Michelle Heng '84 served the final point with Wellesley hitting the net on the return.

MIT controlled the second game, never falling behind the younger, smaller Wellesley team. The serving of Munro, Kauth, and Jennifer Smith '86, and the strong net performances of Kauth, Julie Koster '85, and Rachel Chin '87 quickly brought the best-of-three match home, 2-0.

The MIT defeated Eastern Nazarene College in the second match, sweeping the Lady Crusaders 15-9, 15-3. The Engineers got off to a shaky start, their opponents finding many defensive holes. Her team behind 3-6, Munro turned the game around, serving six straight points. Jennifer Smith, Kauth, and Barbara Wesslund '84 served the final six, while the Engineer defense led at the net by Cantu, Amy Smith, and Koster allowed only one more Eastern Nazarene point.

The wind taken out of the Lady Crusaders' sail, MIT put its opponent away in the style that has placed the Engineers number four in the nation in the NCAA Division III coaches poll. Kauth, Jennifer Smith, and Wesslund served well, while Koster, Cantu, Munro, and Amy Smith fired powerful spikes off of Heng's sets. The Engineers again took the match, 2-0.

The University of Lowell proved to be no contest for MIT, the Engineers downing the Chiefs 15-6, 15-0. Game one started off slow, characteristic of MIT's style. Finding themselves behind 3-5, the Engineers responded with a total team effort that stopped Lowell cold. Wesslund and Heng led the serving with six and four points, respectively, while Munro, Koster, Cantu, and Amy Smith contributed at the net.

The second game was an MIT volleyball clinic with Munro the main instructor, serving for eight points before being subbed out of the game. Akiko Kodaka '85 came in for Munro, serving for four more points, while Heng added three. The MIT defense, meanwhile, did not allow a single Lowell point, holding the Chiefs to just two serving attempts in the 15-0 trouncing.

MIT defeated the UMass-Amherst Minutewomen in the deciding contest, 15-6. The contest began with an exchange of serves, blocks, and spikes. UMass managed to gain a 6-0 lead,

prompting MIT to take a time out. Jennifer Smith came out of the break to serve six points, tying the score. Heng then received help from the entire team, as she served nine well earned points.

Game two saw the Engineers systematically dismantle the Minutewoman defense. The Engineers scored eleven points on the serving of Jennifer Smith and Cantu and net performances of Koster, Cantu, and Amy Smith. With the score 11-1, Kauth came in to serve the last four with the help of some well placed tips by Koster.

A pleased Engineer head coach Karyn Altman '78 attributed the team's success to "tough serving, passing, and blocking, as well as

(Please turn to page 15)



Julie Koster '85 taps the ball over an Eastern Nazarene College player at a championship tournament Saturday.

Tech photo by Omar S. Valerio

Rugby wins in a 4-3 mudbath

By George Walrond

Saturday marked the first time the MIT rugby football club won its own annual tournament. The victory did not come easily, however, as the Beavers had to battle both the elements and some snappy competition.

An MIT club of a mix of A- and B-side players took on Framingham State in the first game of the day. Though MIT dominated the play, the rainy conditions combined with the determined play of Framingham to make the game sloppy. MIT managed only one try in its 4-0 victory.

MIT's strategy going into the tournament was to use the platooning system in the preliminary games, utilizing everyone in the

(Please turn to page 15)

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