

## Reagan addresses Gov't Center crowd

By David P. Hamilton

President Ronald W. Reagan addressed an enthusiastic crowd of six thousand at Government Center yesterday.

In a tightly controlled atmosphere, heightened by limited admittance, tight security measures, and long lines, Reagan emphasized his commitment to keep America strong by maintaining defense spending and to continue to lower taxes and create jobs.

State Senator John Parker introduced the other politicians on the platform, including Nev. Sen. Paul Laxalt, NH Sen. Gordon Humphrey and NH Gov. John Sununu '61, prior to Reagan's arrival.

Parker rallied the crowd and encouraged them to chant, "Four more years," and "Fifty states."

Reagan arrived slightly late, making no personal contact with the crowd as he took the stage.

The president began by declaring support for Senate candidate Raymond Shamie, stressing that Shamie is "the son of immigrants, not born to wealth or privilege," that he recognized jobs as "the key to opportunity," and that he knows that "more jobs come from an expanding economy, which is stimulated by low taxes."

Reagan vowed to work closely with Shamie in Washington for

the "sons and daughters of Massachusetts."

Reagan began his speech in earnest under a red, white, and blue banner that proclaimed, "Boston Kicks Off . . . The Knockout Swing — Prouder, Stronger, Better."

"And it is in the city whose moral fiber and determination ignited the American Revolution that I want to announce a second American Revolution," Reagan said.

The president quoted Abraham Lincoln, "We must disenthral ourselves from the past in order to face the future."

In this case, the past was the record of the previous administration, which Reagan compared to a ship drifting at sea. Alluding to the changes set in motion by his administration, he said, "During the past four years, we have begun navigating by certain fixed principles: freedom, our compass, and common sense, our constellation."

The president continually attacked Democratic presidential candidate Walter F. Mondale's economic plans. Reagan claimed that if Mondale was to keep all of his campaign promises, he would have to raise taxes an average of \$1890 for every household in America. "That's about \$150 a

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President Ronald Reagan greets the crowd at Government Center during yesterday's campaign rally. Tech photo by Henry Wu

## News Analysis

### Mondale faces Republican mountain

By Robert E. Malchman

First in a series.

Democratic presidential candidate Walter F. Mondale must buck not only polls showing him trailing President Ronald W. Reagan, but also the country's tendency to elect Republican presidents.

Since the death of Franklin D. Roosevelt, states have given Republican candidates 2912 electoral votes, Democratic candidates 1814, and others 93.

Republican presidential candidates outpolled Democrats during the same period by 315 million to 292 million votes. Republicans have won five of the last nine elections and three of the last four.

The tendency toward a Republican presidency is anomalous considering that at other echelons Democrats usually win. The House of Representatives has been in Democratic hands since the mid-1950s, as was the Senate until 1980.

The two most recent elections further demonstrate the historical Republican mountain Mondale must climb. Republicans averaged 354 electoral votes to just 173 for Democrats. A candidate needs 270 votes to win the presidency.

Reagan's 1980 Electoral College landslide was enhanced by the presence of liberal independent John B. Anderson. But even in the Republicans' worst case — all of Anderson's votes going to Jimmy Carter — 149 electoral votes would have changed, not affecting the outcome of the election.

Results from the last two elections create five categories of states: those that voted Republican both times; those that voted Democratic both times; those

that voted Democratic in 1976 and Republican in 1980; those that would have voted Democratic both times if Anderson's votes had gone to Carter; and those that went Republican in 1976 and would have voted Democratic in 1980 if Anderson's votes had gone to Carter.

No state voted both Republican in 1976 and Democratic in 1980.

The twice-Republican states account for 202 electoral votes. If Reagan can retain the support of these bastions of Republicanism, he need only win three of Texas, Pennsylvania, Ohio, Florida and Michigan to cinch the election. Each of them voted once for each party under the Republican worst-case scenario in which all of Anderson's popular votes go

to Carter.

Mondale can hope for a base of 166 electoral votes in the Republicans' worst case. Deep South states account for 46 of those votes, however. Those states might support a southern conservative like Carter, but likely not a New Deal liberal. Mondale nonetheless must capture the Deep South, Texas and industrial states like Pennsylvania, Ohio and Michigan to win.

Reagan's greatest strength lies in the West. Only Texas, Washington and Hawaii, of the 19 states west of the Mississippi River, have voted Democratic in any election since 1968.

#### States to watch

No Democrat has won the presidency this century without

(Please turn to page 2)



Tech photo by Bill Johnson

Prof. Jay W. Forrester MS '45 speaks about "Whirlwind: MIT's first electronic digital computer." The multi-media event, the first in a series of lectures sponsored by Course VI, drew a capacity crowd to the Edgerton Lecture Hall.

## SCEP discusses EECS overenrollment problem

By Michael J. Garrison

The Student Committee on Educational Policy (SCEP) met last night to discuss long term solutions to the Course VI overenrollment situation.

Their main conclusion was that MIT needs to improve communication between departments and their potential students.

According to a survey compiled last year by Professor Thomas J. Allen PhD '66, a member of the Corporation Joint Advisory Committee, at least 40 percent of all MIT students decide which department they will major in by their high school graduation. Another 30 percent choose before the end of their freshman year.

The SCEP determined that any long-range solution would have to include a program of better informing students of the total academic program at MIT. "Most people don't really have an accurate idea of what goes on here," explained one speaker. "How many people know that MIT has the best linguistics department in the country, and one of the best economics programs?"

The committee noted the importance of making sure students know what other departments have to offer, especially in the area of computers. This could involve bringing prospective students here and showing them around, releasing more general information to the outside media, or asking freshmen advisors to explain more of the options open to undeclared students.

"We don't want to hurt the MIT image," noted one student, "but maybe we need a larger pool of applicants." The committee discussed possibly dropping the high school physics requirement, but did not propose any specific action.

Several possible changes were proposed as possible changes in Course VI itself, including the introduction of an EECS minor program or a move to split Course VI-1 (electrical engineering) and Course VI-3 (computer science) into two departments.

The CJAC survey also showed that over 60 percent of the respondents chose their majors because of a "fascination with the subject", leading the SCEP to inquire into the possible effects of Project Athena, now and after its completion.

"Students will have a lot more exposure to computers," noted one speaker. "But will it just get

(Please turn to page 2)

### Jack E. Link

Jack E. Link '83 died Monday at Boston University hospital of injuries incurred when he fell from the hospital's roof. The 23-year-old employee of Hewlett-Packard had been working at the hospital, developing computer systems for medical applications.

Link majored in computer science and lived at Baker House. He was an associate news editor and a contributing editor at *The Tech*, was technical director of the MIT News Study Group, and was active in sports.

He leaves his parents, Thomas and Nancy; two brothers, James and Stephen; and a sister, Catherine; all of Palatine, Ill. Memorial services were held Wednesday at the hospital; funeral and burial services will be held in Illinois.

# NRC ruling restricts use of highly enriched fuel

By Simson L. Garfinkel

The MIT nuclear research reactor will not be affected by the Nuclear Regulatory Commission's proposed change in its code to "limit the use of highly enriched uranium in domestic research and test reactors," according to Lincoln Clark, Jr. '63, director of Research Operations.

"Our reactor, like other high-performance reactors, is using highly enriched uranium," Lincoln said. "There is currently no low enriched uranium which would allow our reactor to operate."

The proposed regulation change, which was presented in July, specifically exempts a "project or program which cannot reasonably be accomplished without the use of HEU [Highly Enriched Uranium] fuel," he said.

The purpose of the rule is to substitute Low Enriched Uranium (LEU) fuel for HEU fuel in research environments. HEU fuel has more U<sup>235</sup> in it for a given amount of uranium than LEU fuel does.

HEU fuel "can be used to make explosive devices which can have severe adverse consequences on public health, safety and the environment," whereas "LEU has relatively little value for this purpose," according to the commission's filing in Vol. 49, No. 131 of the Federal Register.

The commission is particularly worried about the "the risk of theft or diversion of HEU," which the new rule is designed to reduce.

Converting a reactor from HEU fuel to LEU fuel is a very expensive undertaking, according to Clark. "Some reactors technically can do it, but it would be very expensive."

The MIT nuclear reactor, however, cannot be converted to use LEU fuel at the present time, Clark said. There is simply no more room in the MIT reactor core to house the additional fuel required if LEU fuel were to be used.

The MIT reactor is a "project or program which cannot reasonably be accomplished without the use of HEU fuel" and should

thus be exempt from the regulations, he added.

Current research is underway to raise the uranium content in research reactor fuel, according to Clark. The Reduced Enrichment Research and Test Reactor is attempting to manufacture an aluminum/uranium alloy with a uranium content of 7g/cc. Once the program produces useable

fuel, the MIT reactor will begin using it.

The MIT reactor will not become a fueling depot for nuclear terrorists, despite its use of HEU, Clark said. There is simply not enough fissionable material on the site to make an explosive device, he explained. Clark would not, for security reasons, specify how much material was on hand.

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## Texas will be key state

(Continued from page 1)

winning Texas. If Reagan can triumph there, Mondale will likely lose.

Signs of a Republican landslide would manifest themselves early. If liberal eastern states like Massachusetts, Maryland or New York vote for Reagan, Mondale has no hope.

Georgia, with Bert Lance's Democratic machine well en-

trenched, will portend disaster for Mondale in the Deep South if it goes for Reagan.

Mondale will have to wait until later in the evening on Tuesday to find signs of a victory. If California or Illinois goes Democratic, Mondale may be well on his way to an upset. If Alabama votes for Mondale, he could sweep the vital Deep South.

## SCEP meets on EECS

(Continued from page 1)

them more interested in the subject, or will it allow them to use the computers without going Course VI?"

The committee also wondered if Project Athena added to the problem on the high school level. It could be that Athena only increases the Institute's "computer

image."

They concluded, however, that Athena will probably help to relieve some of the problem, and it would be more useful than a program for an academic minor in Course VI because it would not add to the number of EECS students.

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# news roundup

## World

**Indira Gandhi assassinated** — Indian Prime Minister Indira Gandhi was pronounced dead less than four hours after she was gunned down Wednesday morning. The 66-year-old Gandhi was shot eight times as she stepped out of her house. Sikh extremists claim responsibility for the shooting. India was immediately plunged into political turmoil, with Hindus attacking Sikhs in the streets of several major cities. Yesterday the government, in response to the violence, imposed a 24-hour curfew in 30 cities. The country has officially entered 12 days of mourning for the fallen prime minister. Gandhi's son, Rajiv, will succeed her.

**Yen gets facelift** — The Japanese government unveiled an updated version of its paper currency yesterday, after three years of planning. The new bills feature raised surfaces in the corners so blind people can distinguish among them. Pictures of educators and writers replace the old bills' likenesses of statesmen.

**Body of kidnapped Polish priest found** — Police divers located the body of the Rev. Jerzy Popieluszko in an icy reservoir Tuesday. The pro-Solidarity priest had been kidnapped 11 days earlier by three officers of the Polish secret police. There has been no civil unrest, as government, church, and people have united in condemnation of the killing.

## Business

**DEC unveils new computer** — The Digital Equipment Corp. released Wednesday its new top-of-the-line minicomputer, code-named "Venus." Officially called the VAX 8600, the new computer is over twice as fast as the VAX 11/785 and four times faster than the workhorse VAX 11/780. Analysts view the new machine not as a breakthrough in technology, but rather as a way for DEC to keep its current customers from looking to competitors for faster machines.

## Weather

**Not exactly the duckiest of weekends** — Looks like it's finally time to break out the warm woollies. Today will be cloudy and breezy, with a chance of morning showers. Temperatures will be in the 50's. Tonight will be partly cloudy, and cold, with lows around 30. Tomorrow will start out sunny and chilly, followed by increasing cloudiness throughout the day. The high will be from 46-50.

Martin Dickau



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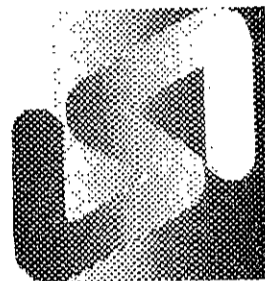
- Hide all ashtrays, matches, etc.
- Lay in a supply of sugarless gum, carrot sticks, etc.
- Drink lots of liquids, but pass up coffee & alcohol.
- Tell everyone you're quitting for the day.
- When the urge to smoke hits, take a deep breath, hold it for 10 seconds, & release it slowly.
- Exercise to relieve the tension.
- Try the "buddy system," and ask a friend to quit too.

This space donated by The Tech

## CHEMICAL ENGINEERS MOLECULON AT M.I.T.

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# opinion

Column/Joseph L. Shipman

## Voting responsibility is not just self-interest

Last in a series

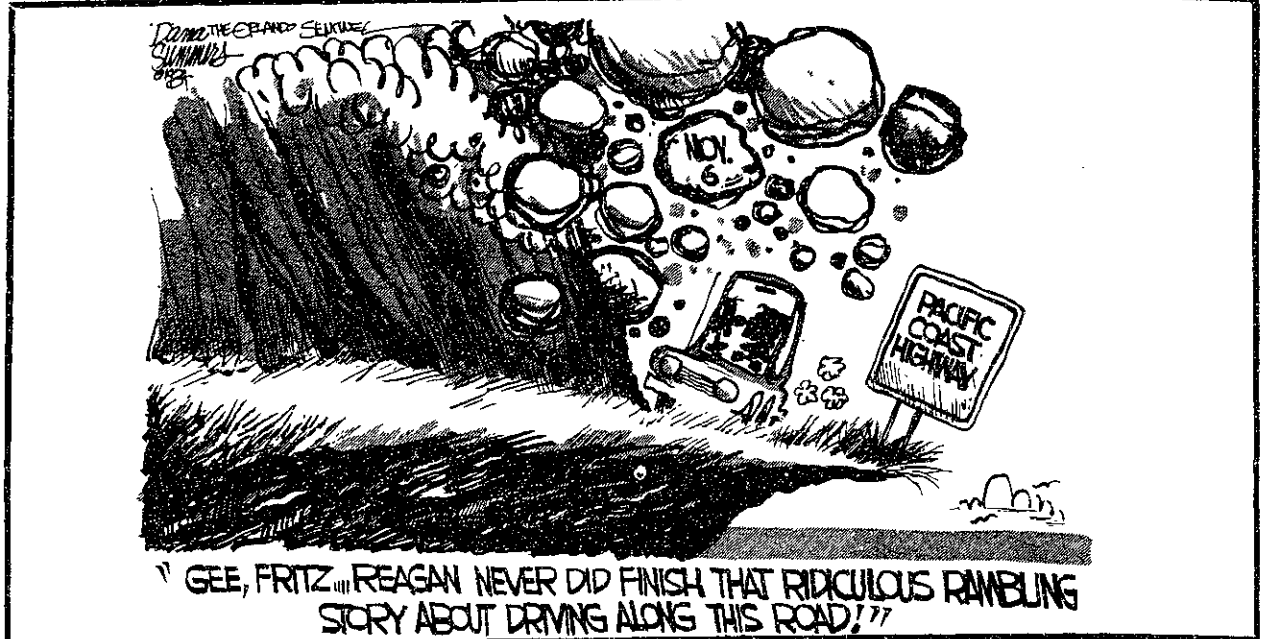
In this column I discuss the moral responsibilities of voters. I would like to emphasize that as I use the term "moral responsibility," it has no connection to religion. If you reject the concept of secular responsibility, you need read no further.

What are the responsibilities of a voter? Must one vote? Voting has been called a "civic duty", but isn't someone who chooses not to vote exercising his franchise in his own way?

Voter turnout does not insure a democratic society, as a glance at Soviet election statistics will con-

firm. On the other hand, if there is never a responsibility to vote, why should there ever be a responsibility to vote in one way rather than another? For example, if it was wrong to vote for the extension of slavery to the Kansas Territory in 1858, was it not as bad to abstain from that referendum?

There is sometimes a responsibility to vote in a certain way (and therefore to vote at all). But it's rarely as simple as it was in Kansas in 1858. There is no moral calculus which will infallibly compute what a voter "ought" to do. Most choices do not reduce



to simple terms like "right" and "wrong", partly because most decisions a voter must make are between candidates, complex individuals with a variety of qualities and views, rather than single issues.

In light of this, some political scientists have suggested that self-interest is the basis of the democratic process — that when everyone votes selfishly, it results in the good of all. This view is reminiscent of *laissez-faire* capitalism, but it does not work in real life.

Rather than give counterexamples, I propose the following corollary: if it is for the best if voters vote entirely in their own self-interest, why shouldn't it be for the best if legislators vote entirely in the interests of their local constituencies? Most people agree this happens too much already.

A voter has a responsibility to consider the public good. I don't mean just when the public good also results indirectly in the voter's good: as, for instance, the classic example of the town com-

mon (if everyone grazes one cow on the common, that's fine, but if everyone is greedy and grazes two cows, the common is denuded and everyone suffers). But what is "the public good"?

I would like to define the public good as the sum of the individual goods, but there is no obvious way to add individual goods together except at the ballot box. If elections were the only criteria for determining the public good, and if everyone voted selfishly, we would have a "tyranny of the majority", something the makers of the Constitution took pains to avert.

By this point objectivists are probably very angry with me. They will tell me that there is no such thing as "the public good", only the good of individuals, and that to say otherwise is the worst sort of collectivism. Nonetheless, insofar as objectivists admit one type of society is better than another, they are dealing with "public good."

I'm not trying to deprive anyone of his right to vote in his own self-interest, I just feel he

ought to consider more than that. Was a cotton merchant who had a financial interest in extending slavery in 1858 justified in voting for it?

Self-interest is often legitimate, and for most issues the moral questions are so complex that people, perfectly sincerely, find arguments to convince themselves that the public good coincides with their interests. I suppose this is unavoidable. But I reject the notion that voters have no electoral responsibilities beyond their own interests.

Today slavery is not an issue. But the arms race is. So is Central America. So is the Equal Rights Amendment. I hope that when we cast our votes, we consider more than what affects us personally. I hope we consider the effect of our votes on the entire country, on the entire world. Some will vote for a candidate because they like his personality or because he'll make them better off, but voting responsibly involves more than that.

# The Tech

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## feedback

### Nuclear freeze can be verifiable

To the Editor:

In his column, "Mondale's chances slim" [October 30], Andrew Bein describes the general public's perception of the two main presidential candidates. However, in order to explain why Mondale deserves and gets little support for his positions on arms control, Bein accepts two of the current administration's positions on the subject as fact. These two points deserve a response.

Bein claims that, "Mondale's nuclear freeze could never be satisfactorily verified." If he means sufficiently verifiable to satisfy an accountant, then I will concede

him this irrelevant point. On the other hand, if he means sufficiently verifiable to insure that the overall strategic balance between the US and the USSR be preserved, then I, along with most analysts, would have to disagree with him.

Ever since it was suggested that a Strategic Defense Initiative "Star Wars" system could be overwhelmed by a massive Soviet Missile barrage, its supporters have been rushing to find additional missions for the very expensive project. One of the most popular, that the system would defend against a terrorist ICBM

attack, is repeated by Bein. However, he does not explain why a terrorist group would choose such an expensive and unfamiliar delivery vehicle for a nuclear weapon when a steamer trunk or a delivery van would serve just as well. (The latter has repeatedly shown its effectiveness in penetrating US defense systems in attacks in Lebanon involving large quantities of conventional explosives.)

It is unfortunate that Bein has chosen to mar his analysis of the presidential race by interjecting his own views on arms control and nuclear strategy.

Jonathan L. Weil G

### Analysis was Republican propaganda

To the Editor:

Harold Stern's so-called "analysis" of Reagan's domestic programs was barely passable as journalism, let alone as a critical appraisal of the President's record.

Like so many Tech articles, this one was little more than a string of quotes (or paraphrases) glued together with empty connecting phrases. Mr. Stern seems to have interviewed a Reagan spokesman, and uncritically transformed his responses into an article.

Statements such as "The White House says it has tried to make deep cuts in domestic spending, to 'trim the fat' from the budget and only give money to those who truly need it," cry out for clarification and presentation of opposing views, yet none are given.

In some cases, Stern doesn't even credit the Reagan campaign, simply stating opinions as facts, viz: "Also, the administration has drastically reduced inflation from 12.8 percent when he took office to roughly 4 percent." A more accurate statement might have said that the President "claimed credit" for the drastic reduction in inflation, since the actual cause of the decline is a point of contention.

Stern quotes a Reagan spokesman as justifying Presidential opposition to the ERA because of "ambiguous and confusing" clauses, and sections which would require women to serve in combat positions in the army." One wonders which of the clauses of the ERA the spokesman was referring to (the ERA has only one operational clause), and wishes that Stern had given us

some real analysis, such as a critical examination of the women-in-the-military issue.

Stern tops off his opus with the statement that "The administration's record [on the environment] has improved" and cites only unnamed Democrats as evidence for this proposition.

I could go on, but the point is clear, Stern's analysis was hardly that, and could best be described as thinly disguised Republican propaganda.

Now I suppose in an election in which people are deciding between Reagan the "nice guy" or Mondale the "wimp", any discussion of the issues might be considered analysis. But surely The Tech can find someone who is truly competent and knowledgeable enough to do the job justice, and let Mr. Stern return to writing crime stories.

Larry Kolodney '85

# notices

## Listings

Student activities, administrative offices, academic departments, and other groups — both on and off the MIT campus — can list meetings, activities, and other announcements in *The Tech's* "Notes" section. Send items of interest (typed and double spaced) via Institute mail to "News Notes, *The Tech*, room W20-483," or via US mail to "News Notes, *The Tech*, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. *The Tech* reserves the right to edit all listings, and makes no endorsement of groups or activities listed.

### Friday, Nov. 2

International experts from South Africa, the Middle East, and the Horn of Africa will present a forum on "Alternatives to War" at the JFK School of Government in Harvard Square, Cambridge at 8 pm.

\* \* \* \* \*

**Marsh Secrets Environmental Weekends:** spend a fun-filled weekend at our beautiful Marshfield YWCA branch near the ocean. Explore a salt marsh, hike through woods, and cook outdoors. Leave Friday, Nov. 2 at 4 pm and return Saundya, Nov. 4 at 2 pm. \$45/weekend. Call the Youth Office at 491-6050 for more information.

### Saturday, Nov. 3

**Plymouth Plantation Trip:** come with us to the time of the early Pilgrims as we prepare for the upcoming Thanksgiving holiday. Sponsored by the Cambridge YWCA. Call the Youth Office at 491-6050 for more information.

### Sunday, Nov. 4

There will be a **five mile run for peace** with runners from Japan at 1 pm in Jamaica Plain. Call 524-6093 for more details about the Fourth Annual Human Race to End the Arms Race.

### Monday, Nov. 5

**"Weight Training for Women,"** Cambridge YWCA, 7 Temple St., Cambridge. Margarita Ascencio, owner of Bodyworks Gym for Women, and competitive bodybuilder and coach. Designed for women of all ages and all athletic abilities. 6:30 pm. \$4/members, \$5/others. Call 491-6050 for more information.

### Tuesday, Nov. 6

A **cognitive science seminar** entitled "The Explanatory Role of Content" will be held at 7:30 pm in the Grier Conference Room, 34-101. The speaker will be Fred Dretske, Dept. of Philosophy, University of Wisconsin. For more information, contact Karen Persinger, x3-7358, Room 20B-225.

The next meeting of the **Student Cable Programming Group** will take place in Room 9-329 at 6 pm. All interested people are invited to attend. Contact Randy Winchester at x3-7431, Room 9-030.

### Wednesday, Nov. 7

**The Quality of Student Life at MIT:** the last in a series sponsored by the Office of the Dean for Student Affairs. The meeting will be held from 4:30 to 6 pm in the Mezzanine Lounge of the Student Center. Let us hear from you!

\* \* \* \* \*

A career workshop entitled **"Careers in Public Relations and Advertising"**, sponsored by the Jewish Vocational Service, will be held from 7:30-9:30 pm at Gosman Jewish Community Campus, 333 Nahanton Street, Newton Centre. Admission is \$5. For more information, please contact Gail Liebhaber at 965-7940.

### Thursday, Nov. 8

A two-part workshop entitled **"Help Yourself to a Career Change"**, sponsored by the Jewish Vocational Service, will be held from 7:30-9:30 pm. The second session will be held on Nov. 15. Fee is \$15. To pre-register, contact Meryl Glatt, 723-2846 or Emily Kirschen, 965-7940.

\* \* \* \* \*

**"The Childbirth Experience: Current Controversies"**, the first in Beth Israel Hospital's 1984-85 "Women's Health" discussion series. The discussion will be held from 7-9 pm in the Grossman

Conference Center of Kirstein Hall, Beth Israel Hospital, 330 Brookline Avenue. Open to the public and free of charge. For further information, call 735-4431.

\* \* \* \* \*

The Oxford and Cambridge Society of New England invites all members of the MIT community who are **Oxbridge graduates** to a reception from 5:30-7:30 at the Signet Club, 46 Dunster Street, Cambridge.

\* \* \* \* \*

A seminar entitled **"Broadband Networks"**, sponsored by the Communications Forum, will be held from 4-5:30 pm in the Marlar Lounge, Room 37-252, 70 Vassar Street, Cambridge. The speaker will be Dr. Stewart Personick from Bell Communications Research.

### Sunday, Nov. 11

**The Children of War Tour**, a nationwide event, will feature young people from war-torn areas such as the Middle East, Central America, and Southeast Asia. They will bear witness to the suffering they have endured and bring a message of hope and empowerment to American teenagers. The meeting will be held at 7 pm at the University Lutheran Church, 66 Winthrop Street, Cambridge. Call Alice B. Lane at 369-9602 for more information.

\* \* \* \* \*

Many of New England's most distinguished writers will gather to participate in **Twenty-Four Hours for Survival** — a round-the-clock reading for peace. The readings will begin at 6 pm and continue through until 6 pm on

Monday. This event will be held at the First Congregational Church, 11 Garden Street, Harvard Square. For more information, write News Reading, 45 Cedar Street, Cambridge, MA 02143.

### Monday, Nov. 12

A second meeting of **The Children of War Tour** will be held at 9:30 am at the First Parish in Cambridge, 3 Church Street, Harvard Square. Call Rachel Hass at 437-0005 for more information.

### Tuesday, Nov. 13

**Weight Training for Women:** body conditioning, firming and toning, flexibility, and strength. Classes held at the Bodyworks Gym for Women, 53 River St., Cambridge. Tuesdays and Fridays, 7:30-9:00 pm. \$25/4 weeks. Call 491-6050 for more information.

### Wednesday, Nov. 14

Cambridge Forum presents: **"Speakout Against Sexual Harassment,"** with speakers Herbert Hentz, Brandeis University Affirmative Action administrator; Freida Klein, Employee Relations Manager with Lotus Development, Inc.; and Nan Stein, from the Mass. Dept. of Education. 8 pm at 3 Church Street, Harvard Square. Free.

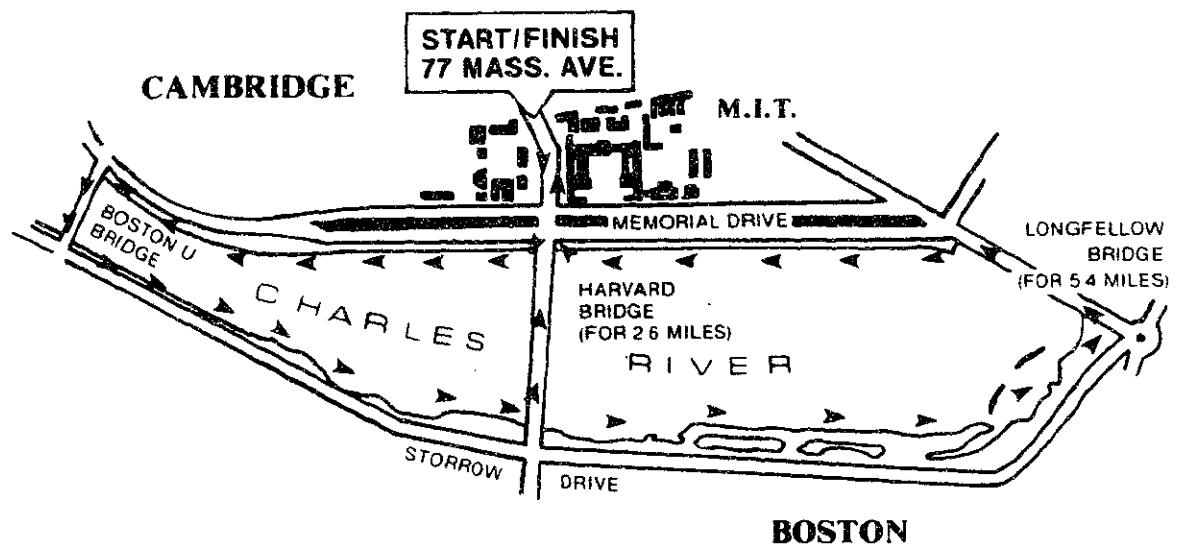
## Join us for an afternoon jog

On Tuesday, November 6th and Wednesday, November 7th, representatives of General Electric will be interviewing on your campus. Please contact your placement office for schedule information.



If you're interested in meeting our people in a completely informal setting . . . to find out more about the General Electric Company . . . it's technical work and career opportunities . . . put your track shoes on and join us and pick up an MIT/GE runner's shirt in the process. If for some reason you can't make it . . . just remember your interview with General Electric on Tuesday or Wednesday.

Our Technical Recruiters would like you to join them for an afternoon jog on Monday, November 5th. We'll begin at 77 Massachusetts Avenue at 5:30 p.m., jog down Memorial Drive to the Boston U. Bridge, cross over to Storrow Drive and head down to the Longfellow Bridge, cross back over to Memorial Drive and finish up our 5.4 mile jog back at 77 Massachusetts Avenue. Some of our managers will turn back up Massachusetts Avenue at the Harvard Bridge for a 2.6 mile run.



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MEGATEST brings together a diverse group of people to form our exciting work environment. We learned long ago that recruiting and encouraging conformity leads to mediocrity. If Megatest is to remain an interesting and fun place to work, we must continue to seek different kinds of people that can bring new perspectives. Different perspectives aid the learning process by challenging people to think more creatively about engineering problems.

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systems that push the limits of all engineering disciplines. Software engineers must work in a complex network/time sharing environment that affords opportunities to work on everything from graphics to artificial intelligence packages. The hardware problems involve some of the most unique and creative challenges in engineering, which includes high speed analog and digital circuit design to computer architecture. Megatest is in a business that truly takes all kinds of engineering disciplines. The agreement of all employees is that the pursuit of excellence in our work and our products makes our careers more fun and exciting.

If you think Megatest is your kind of place, sign up in your placement office to interview with us on November 8 & 9 and while you're there you may want to see our company literature, or write:

MEGATEST CORPORATION  
 David Arnowitz  
 Human Resources  
 880 Fox Lane  
 San Jose, CA 95131

## MEGATEST

\* No need to dress up for the interviews.

## Reagan urges tax lowering

(Continued from page 1)

month, almost a second mortgage — a Mondale mortgage.”

For the continued revitalization of the economy, Reagan said, taxes must be lowered again.

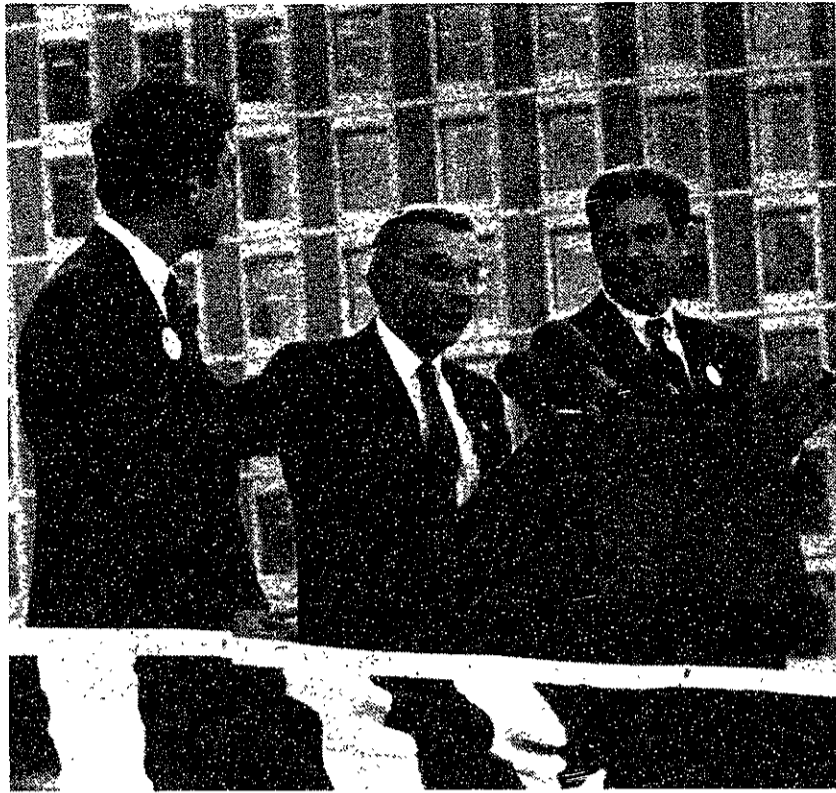
The president claimed that his policies, which include a 25 percent across-the-board tax cut and an increased defense budget, have resulted in the creation of six million jobs in twenty-one months, the chartering of 900 thousand businesses in the past 18 months, a revitalized economy, and a stronger America.

He proudly announced that no territory had been lost to communist aggression during his four years of office, and he denounced Mondale's criticism of the invasion of Grenada, saying, "There's nothing immoral about rescuing American students from communist thugs."

Reagan was interrupted at several points by hecklers. He joked, "If those people back there don't stop it, I'm going to raise their taxes." Later, he was forced to stop speaking while his supporters chanted "Mondale's a wimp." He remarked, "I won't interrupt that."

The President stressed his desire for a bipartisan coalition for this election. "I urge those of you who are Democrats, who cannot follow your leaders, to take bipartisan action to keep the USA free and strong."

Former Boston mayor John Collins and City Council Chairman John Tierney, both Democrats, affirmed their support for



Tech photo by Henry Wu

Republican Senate candidate Raymond Shamie speaks at yesterday's Ronald Reagan rally at Government Center.

Reagan and said they are going to vote for him. They urged other Democrats to do the same.

Reagan also made an impassioned plea to the youth of the country, remarking that youth are what the election is all about. He spoke of the "sacred trust" which his administration carried to "turn over to the young the reins of a strong, free America."

Reagan closed his speech in a strong patriotic tone. "The second revolution that started four years ago is not complete... there is still much to be done... America's best days are yet to come. You ain't seen nothing yet."

# The Quality of Student Life at MIT

The Office of the Dean for Student Affairs announces a series of four meetings in preparation for a visit by the Visiting Committee on Student Affairs.

Can we improve the quality of life at MIT for all students?  
for minority students?  
for international students?  
for women students?  
for gay students?  
for handicapped students?  
for graduate students?  
Let us hear from you!

October 17  
Wednesday 4:30-6pm  
October 24  
Wednesday 4:30-6pm  
November 1  
Thursday 7-8:30pm  
November 7  
Wednesday 4:30-6pm  
MIT Student Center  
Mezzanine Lounge  
Fruit and Cheese Served.

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Come to our meetings to hear about our M.B.A. and Ph.D. Programs and to ask any questions about the curriculum, admission, financial aid, and career opportunities available in the following fields of management:

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|--------------------|-----------------------|
| Finance            | Health Administration |
| Economics          | Public and NonProfit  |
| Marketing          | Human Resources       |
| Accounting         | Management Science    |
| General Management | Policy                |

Monday, November 5, 1984

Contact Career Services & Prof. Advising for Sign-ups

## notices

### Thursday, Nov. 15

A seminar entitled "Integrated Telecommunications", sponsored by the Communications Forum, will be held from 3-6 pm in Kresge Auditorium, MIT. Panelists will include representatives of companies bidding on the integrated telecommunications system planned for MIT. Open to the public.

### Ongoing

Learn to relax your body, clear your mind, and increase your concentration. Study better, have more energy, and feel good! **Kundalini yoga** taught by Gururattan Khalsa on Thursday nights. Meet at Burton House dining hall at 5:30; please call Fred Martin or Jeff Tallaksen at 247-0506 or x3-3157 for more information.

"This Mighty Dream", a multimedia history of popular movements for change in the U.S., is scheduled to run in Boston from Oct. 25 to Nov. 9. The exhibit, which was prepared by the Smithsonian Institute, will be housed at the University of Massachusetts-Boston College of Public and Community Service at 100 Arlington Street, Boston. Open to the public. For further information, call 266-7100.

Do you like to read? Do you enjoy math? **Become a S\*T\*A\*R volunteer.** School Volunteers of Boston offers orientation and support to college students who have a few hours per week to spend with elementary, middle or high school students in schools convenient to college campuses. For information, call 451-6145 or visit our office at 25 West Street, downtown Boston near Park Street.

The Chinese Intercollegiate Choral Society meets Sundays 3-5 pm in W20-491. Anyone who likes to sing and can speak any Chinese dialect is welcome. For further information, call Isabel Chiu at 258-5233.

Students and faculty are cordially invited to flex their vocabularies at the **Boston Scrabble Club** — any Monday evening in the Teachers' Lounge of the Jackson-Mann Community School, Union Square, Allston. The club features "social Scrabble" for nervous newcomers, as well as officially-rated competitive play for the real addict. Club hours are 6:30 to 9:30 pm. For more information, contact P.G. Kaufmann at 784-5325.

For runners looking forward to the numerous marathons this fall but not the arduous solo training sessions, the **MetroParks Running Center in Boston** has an answer. On Sundays at 9 am, runners training for marathons can get together and run long distances of 15 to 22 miles. Open Monday through Friday from 7 am to dusk, the Running Centre offers changing rooms and showers free of charge. For further information, call 523-9746.

**Interested in children? Teen-agers? Innovative education? The Cambridge School Volunteers** needs you as a tutor, classroom aide, big brother or big sister, or a mini-course teacher. Work with any age student in any subject. Credit may be available. For more information, call 498-9218.

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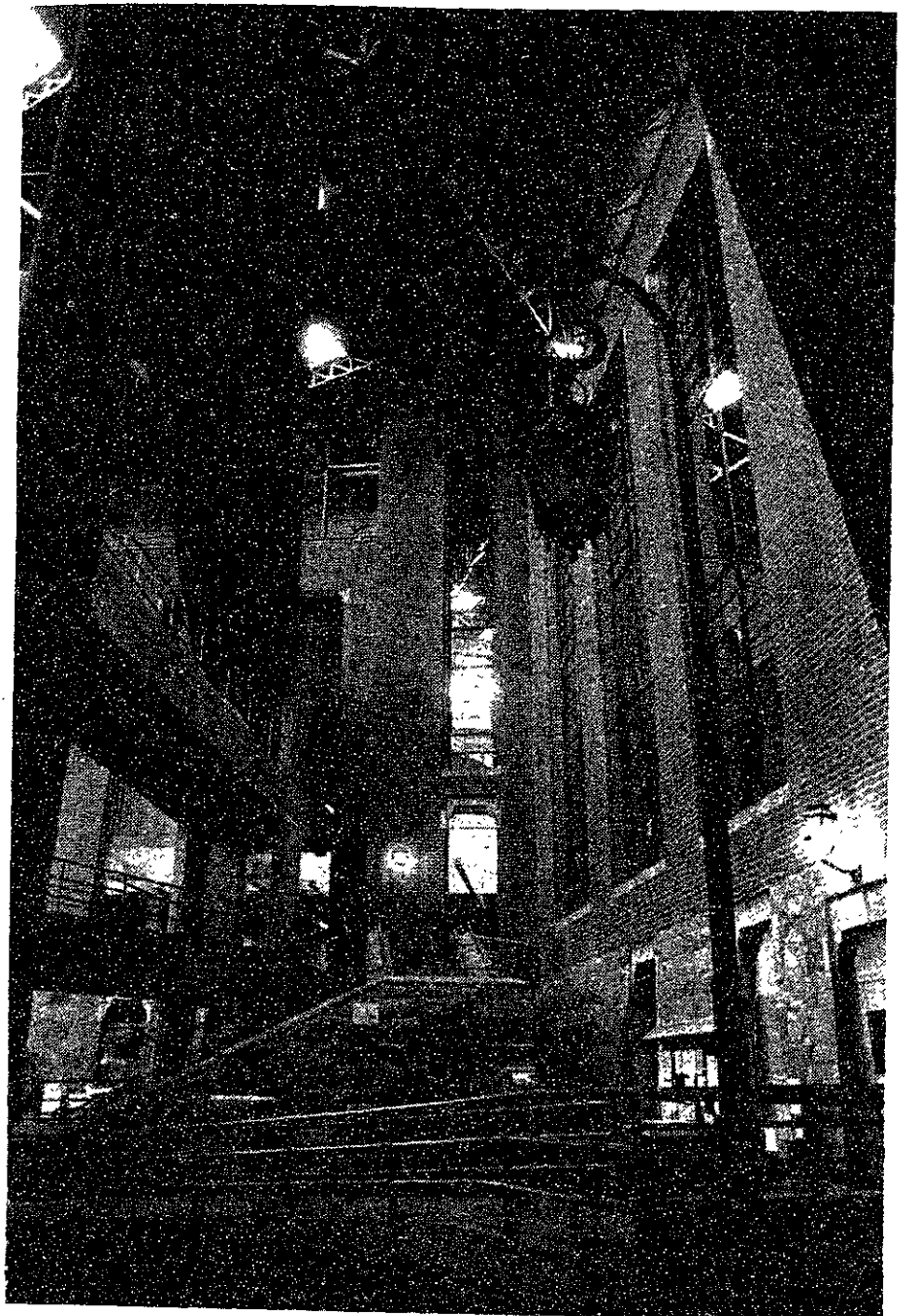
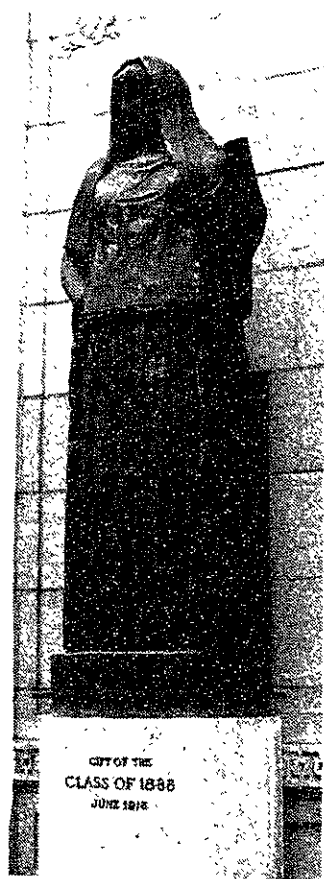
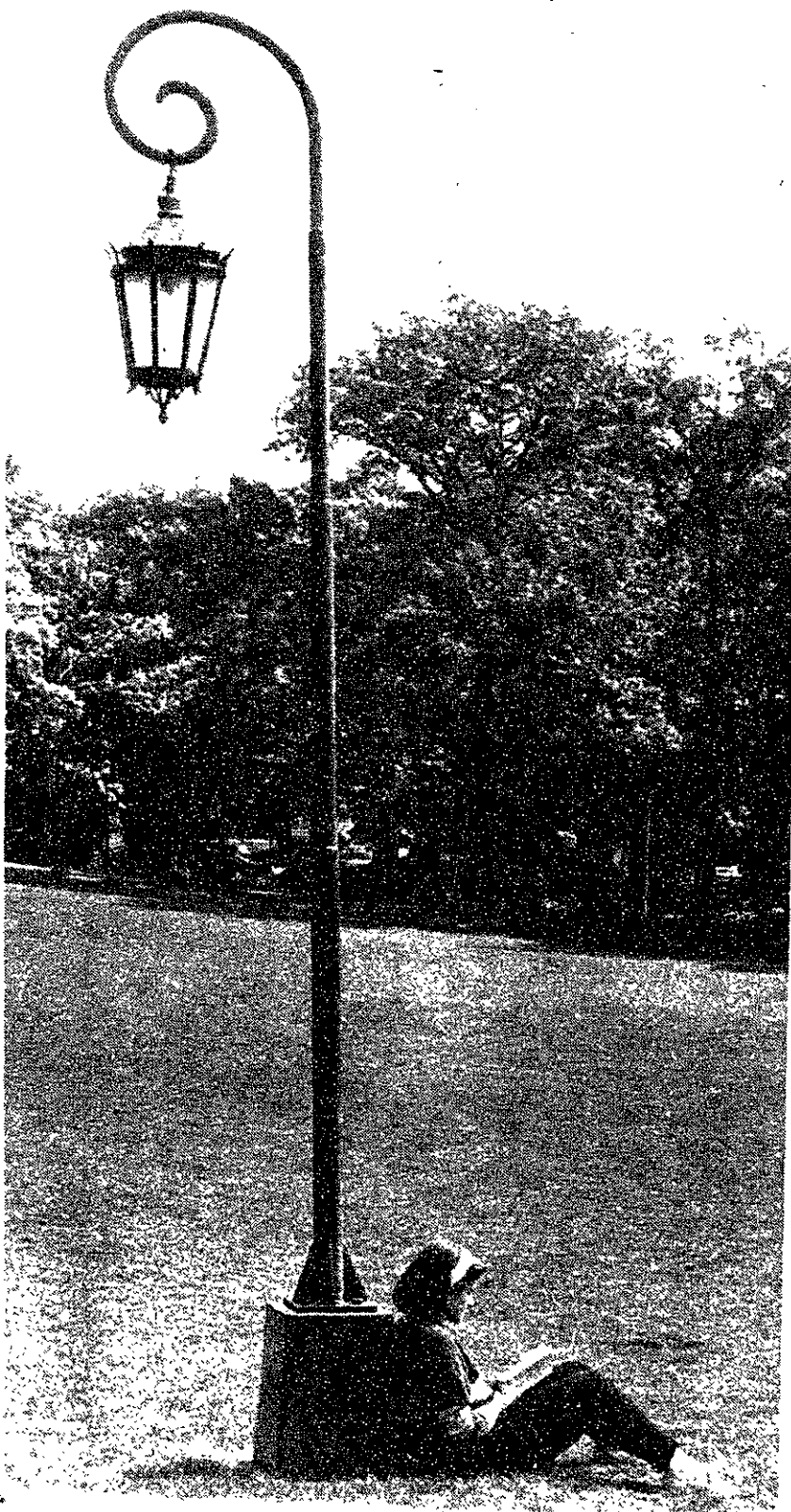
OFFICIAL MASS. INSPECTION STATION 2563

# photo essay

## Ladies and Lanterns



photographs by Simson L. Garfinkel



## ARTS

## Grover's concert a dream

Grover Washington Jr., in concert at the Opera House, October 25. *Inside Moves*, Grover Washington Jr., on Elektra/Asylum Records. *Pieces of a Dream*, in concert at the Opera House, October 25.

I honestly thought I wasn't going to make this concert. Ron, the Arts Editor, handed me this assignment on very short notice; then a near-death encounter with a 6.034 Problem Set sent me scurrying right at the listed 7:30 pm curtain time. However, the last-minute location change from Symphony Hall to the Opera House delayed the starting time over an hour while ticket exchanges were made.

When the concert did begin — around 9 pm — I remembered Washington's reputation as an impressario. *Pieces of a Dream*, an up-and-coming fusion quartet, took the stage. "Young-but-experienced" immediately springs to mind: their ages range from 19 to 22, yet they have been performing together professionally for 9 years. They are much too good to be called a Philadelphia local band. Bassist Cedric Napoleon, drummer Curtis Harmon, guitarist Randy Bowland, and pianist James Lloyd, were joined onstage by longtime friend Curtis Dowd on auxiliary keyboards.

Upon taking the stage, they immediately launched into "Imagine This", the title cut of their latest album. This rather intense swank fusion cut put off the crowd for a moment. It was when they played the jazz standard "Shadow of Your Smile", though, that the crowd really warmed up. Lloyd played a truly outstanding eight-chorus solo on an acoustic piano. The frequent style changes and swirling arpeggios were even more impressive when I found that his left hand was in a cast from fingertips to elbows. They also played "Pieces of a Dream", title cut off their first album, "You Got to Tell Me Somethin'", from their new third album, "4-5-4" and "Imaginary Girl."

They seemed to have trouble getting to the crowd going at first; their heavy funk appeared to be a little more than the crowd could handle. Impressive solo work both by Lloyd and other bandmembers provided something for everyone, however.

Indeed, the crowd was incredibly diverse. Sitting next to the successful businessmen who wanted to hear Washington's smooth and mellow harmonic pop-jazz were youths who were there for the rhythmic funk. Washington picked up a lot of

his following when he released *Winelight*. Almost universally hailed by critics, it has sold roughly 1.8 million copies, due mostly to the title cut and the hit song "Just the Two of Us."

So when Washington's band took the stage after the intermission and opened with "Winelight," I was psyched for a good show, and so was the crowd. Remarkably, Washington, "Boy, you are ready!" Unfortunately, Washington's performance of "Winelight" was little more than a cold reading, probably because it was the opening number.

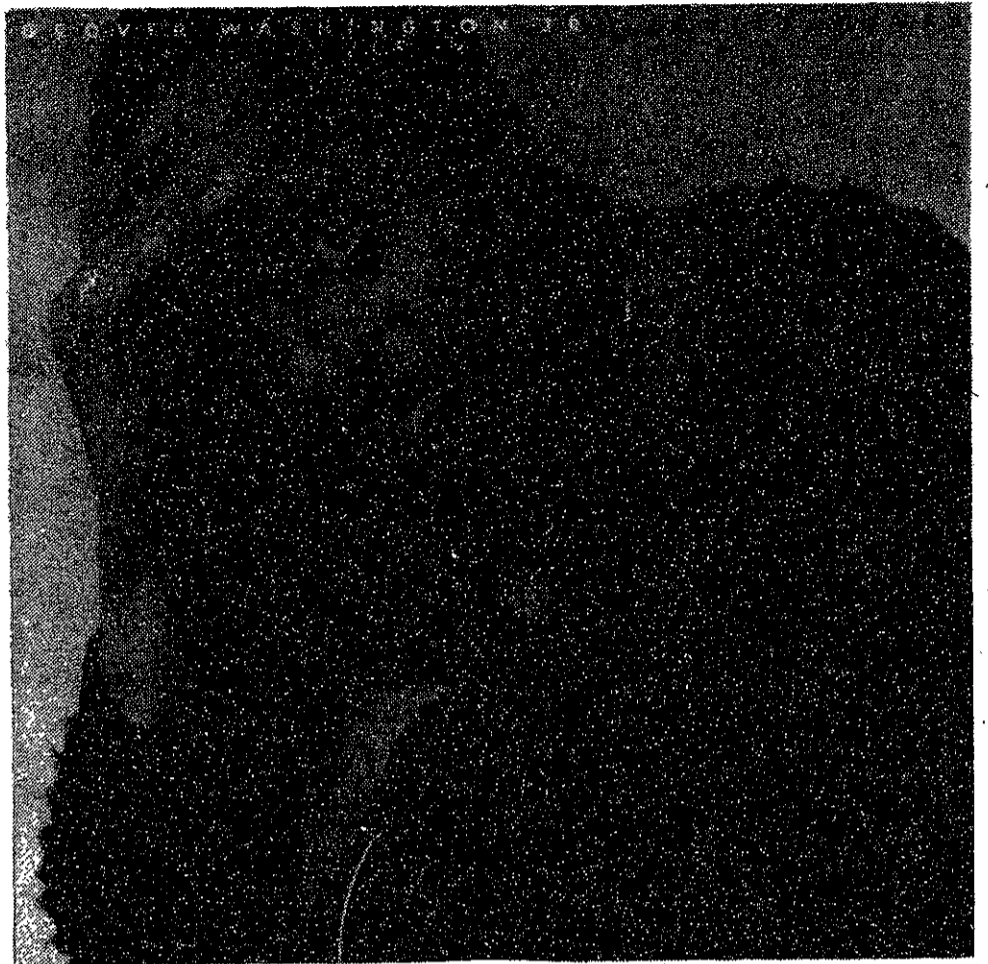
The band itself was already warmed up nicely since most of the band members were from *Pieces of a Dream*: James Lloyd, Curtis Harmon, Darryl Washington, Cedric Napoleon, and Curtis Dowd returned to their instruments to be joined by Richard Steacker on guitars, Philip Woo on keyboards, and percussionist Leonard Gibbs.

After "Winelight," the band continued with several cuts from Washington's new album *Inside Moves*: the title cut, "Sassy Stew," and "Secret Sounds." I waited for something exciting to happen during these songs, but even Washington's solos, usually lyric and soulful, were hollow.

Things began to pick up when the band played "Sausalito," an oldie for Washington (from his seventh album *Live at the Bijou*). This seemed to relax Washington, but the concert didn't really get going until he brought old friend Grady Tate onstage. Tate, also a drummer with many famous jazz artists, brought his singing talents to the stage with "Jet Stream," also from *Inside Moves*.

After an uneventful and long drum solo exchange between conga player Gibbs and drummer Napoleon, the band really got into "Little Black Samba" (from the *Come Morning* album). It was clear that Washington had finally loosened up. During this song Tate and Washington got into an amazing call-and-response session, with Tate's slippery scat singing proposing musical riddles and Washington's smooth sax easily answering them.

For their final number, the band played "Just the Two of Us." This rendition of the hit song was greatly enhanced by another outstanding piano solo by James Lloyd. Apparently, it was an unplanned break, but once the rest of the band recovered, they got behind Lloyd, and turned a merely good performance into an out-



standing one.

As an encore, the band performed an extended version of "Mr. Magic," Washington's first big hit from the album of the same name. (For a long time fans have also called him "Mr. Magic.") This song featured a street-beat break that finally made good use of all the auxiliary percussion the band had brought with them. It also featured solos by band members who had not previously soloed.

During the course of the concert, what were billed as "high-tech special effects" were provided. Although the rear-projected graphic slides were somewhat chintzy and the barely visible artificial fog only functioned to cool down the stage a bit, the spots worked well, coordinating with the music nicely.

During the concert, Washington, an avid basketball player and devoted fan of the Philadelphia 76ers, mentioned how his sister sent him a dozen green roses with a card saying, "Welcome to Celtics territory." He also told of how the title of his recent album is basketball-related: "Any riff can remind me of a Mo Cheeks pass to Julius Erving under the basket."

Ron asked me to write about Grover Washington Jr.'s current album along with

the concert review. *Inside Moves* is Washington's sixteenth album. Although most other musicians would be pumped dry long before reaching such a large number of albums, Washington continues. He has come to rely more and more on other writers and artists, though, and this album is stretching things a bit.

Of the tunes on *Inside Moves*, perhaps the best are "When I Look at You" and "Secret Sounds." The latter is typical for Washington, with its twisty chords and occasional breaks into heavy funk providing contrast for the smooth fusion body. "When I Look at You" works well because of its nice vocal line, although Grady Tate performed the song better in concert than Jon Lucien does on the album. The remainder of the six songs seem to be acceptable filler material, but don't really stand on their own. They are well performed, but just don't seem to have much musical substance.

I am hoping that the next album will have a more meaty assortment of tunes. In the mean time, if you are looking for a good Grover Washington Jr. album, I would recommend *Winelight*. *Inside Moves* just doesn't win the ball game.

Bill Coderre

## Record by Valentin

*Kalahari*, Dave Valentin, GRP records.

In every established domain, it requires an inspired prodigy to break with tradition and prove his or her worth to an inflexible public. Jackie Robinson did so with respect to blacks playing baseball; some might argue that Geraldine Ferraro will be the chosen one in the realm of women in politics. But with respect to flautists in jazz, let us say that Dave Valentin is still working on that role.

That's probably that best way to describe Dave Valentin's work on his new album, *Kalahari*, which proclaims itself the "fresh, new beginnings" of the freshest, most innovative flute player around. Valentin has developed a feel for the instrument just slightly below the level of a master. Whispers, slurs, vibrato, funkiness and a bright swing feel are near-effortlessly evoked from his flute. And when comparing the originality and creativity of recorded offerings, Valentin one-ups many jazz flute "greats." The blatantly cliched sound of Herbie Mann and his *Supermann* album and the pseudo-jazz of Rampal recorded with Claude Bolling are pleasantly absent from *Kalahari*. But in the end, a combination of band and composition are not up to the charge, and fail to transform Dave Valentin's latest record into a "powerful new assertion of flute [and Valentin] in the jazz domain."

The band Valentin recorded with has a good amount of experience on the road together. Consequently, they execute any tempo, any song, well as an ensemble besides being individually talented. But the

group is young. Pianist Bill O'Connell (emerging solo artist), drummer Robert Ameen and bassist Lincoln Gaines direct their abundant creative energy towards acquiescently furnishing a "Sunday afternoon" Latin-jazz background, which is all Mr. Valentin seems to be asking of them. The more experienced voices of guests guitarist Kevin Eubanks and keyboardist Dave Grusin, who might provide a distinct direction to the album, are cut short in solos and mixed well into the background elsewhere.

The most significant thing about the pieces is that the most masterful compositions are written by outside jazz composers. O'Connell's (the composer of the opener "Eclipse"), Goines' ("Monkey Buttons") and Valentin's ("My Coqui") pastiche of Latin/pop-jazz compositional cliches are no match for the mature ballad "Fall" by Wayne Shorter and upbeat reading of Sonny Rollin's "Reel Life." These cover tunes are the formidable vehicle the flautist/leader needs to display his true improvisational ability.

One other highlight of the album is "Kalahari (An Improvisation)," where Dave Valentin, accompanied only by percussion, pushes the limits of the flute's range by incorporating trills, pops, his own voice and a natural sounding echo as effects. The remainder of *Kalahari* is extremely pleasant, even relaxing, but simply does not live up to its own promise of "powerful." The big leagues of jazz still await their Jackie Robinson.

Scott Lichtman

## Locally produced movie

## a real scream

*Screamplay* opens tonight at the Sack Copley. George Kuchar, who plays Martin, and Rufus B. Seder, director and lead actor, will be present for the three opening-night showings.

Imagine yourself to be an aspiring young screenplay writer for murder movies who heads out West in search of fame and fortune. Once in Hollywood you find neither and instead, through a number of gory coincidences, you wind up working as a janitor in a second rate condominium for a second rate, quasi-macho landlord. Despite the circumstances your youthful ambition urges you to write plots to murder all the tenants in the building: the burned-out sex-goddess, the middle-aged spiritual hippy, the California-mellow opportunist looking to make a quick buck, the innocent aspiring young actress.

The plots become a script and the script is stolen. One by one the tenants are murdered as depicted in your script. The number of suspects decreases but the plot thickens... whodunnit?

Edgar Allen (how appropriate), played by Rufus Butler Seder, is the young screenplay writer who is faced with the gripping suspense of his script in *Screamplay*, the Boston Movie Company's latest production. The real screenplay in *Screamplay* is written by Ed Greenberg who does a wonderful job satirizing the whodunnit genre. It has the familiar format of the whodunnit

flick of the 40's and 50's with a contemporary touch to it. With the exception of the grossly premeditated pun at the end, *Screamplay* is an exceptionally entertaining parody of its predecessors. It is filmed entirely in black and white which gives it the same texture and ambience of classics like "What Ever Happened to Baby Jane?," "Sunset Boulevard," and "The Loved One."

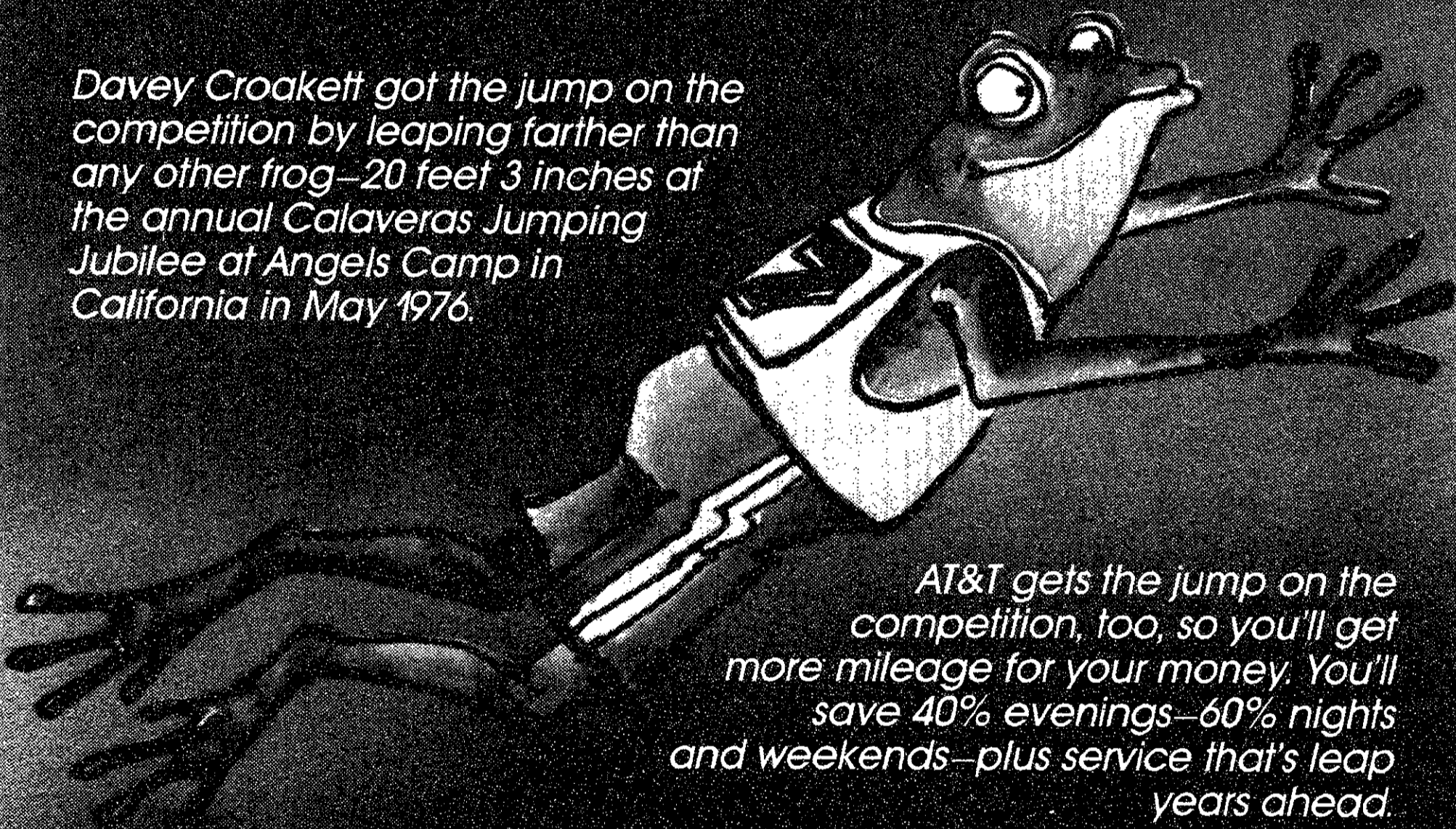
Martin (George Kuchar), the apartment supervisor, and Holly (Katy Bolger), the young actress, both play their archetypal roles with eagerness and elegance. Edgar (Rufus Ben Seder) is especially amusing due to his seemingly elastic face. The expressions he is able to produce range from "The Joker's" grin to Bela Lugosi's ready-to-pounce face. The appeal of the film lies in the professionalism of the actors and even more so in the recurrent twists and climaxes of the plot.

Admittedly, the ending had me completely dumbfounded as I think you will be if you decide to see *Screamplay*. One last piece of advice to all you aspiring screenplay writers: should you find yourself in poor Edgar Allen's shoes, with three tenants dead and the police hot on your tail you might want to think twice before writing your own death scenario in order to confront the murderer. You might not live to write about it.

Corrado Giambalvo

# Get the jump with The Long Distance Winner.

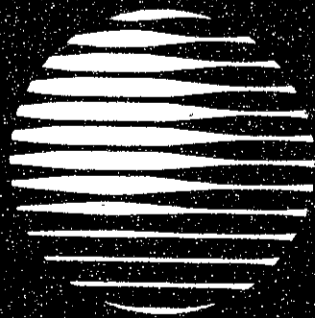
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## Happy hour ban would affect graduate pub

By Edward E. Whang

The Massachusetts Alcohol Beverages Control Commission has proposed regulations that would ban happy hours and from serving alcohol in containers larger than 16 ounces. As a result, bars would not be allowed to offer free drinks or sell pitchers of beer.

"I think the reason for the new law banning happy hours is good, but it isn't necessary here," said Joseph A. Contrada, manager of the Muddy Charles, the MIT graduate student pub.

Commission chairman George McCarthy said he expects the proposal to be presented to Gov. Michael S. Dukakis by early November and to be put in effect by Thanksgiving.

Dukakis, according to press secretaries, strongly favors the new regulations.

The most direct effect of the law on the Muddy Charles will be the elimination of its happy hours, Contrada said. "We have nine happy hours per week," he said. "Obviously we'll need to eliminate them, but we're not worried that the new law will hurt us financially."

Contrada said he expects the Muddy Charles to charge lower prices for all hours of operation after the law is in effect. "We're not going to make a larger profit by always charging higher prices."

The ban on pitchers of beer will, however, hinder the Muddy Charles, Contrada said. "We don't have table service, so a person will come to buy a pitcher for the people at his table."

"With the new law each person would have to go to the bar individually," he said. "I don't think pitchers encourage people to drink more; they just make transportation more convenient."

Contrada plans to ask Dukakis for a special exemption to the ban on pitchers for the Muddy Charles. "I think it's a good law for most places, but we have a unique clientele," he said.

"We have graduate students, faculty, and staff — the average age is 25," he continued. "We

don't get irresponsible undergraduates here. Also, most of our customers don't drive; they walk home."

The Muddy Charles, if it is unable to get the exemption, may compensate for the inconveniences by doubling the staff during busy hours and tapping more kegs to increase the flow rate, Contrada said.

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## notices

### Ongoing

The MIT Dance Company School of Boston presents its ninth year of dance education, offering two fifteen week sessions from September to May. MIT continues its extensive Children's Program for ages 3 to 14, as well as teen and adult classes in modern and jazz. Classes run Monday through Saturday with levels ranging from novice to professional. Aerobics is also offered in the evenings. The School is located at 551 Tremont Street in the Boston Center for the Arts. For more information, please call 482-0351.

\* \* \* \*

The Peace Corps is offering skill-training for programs utilizing the backgrounds of college graduates with mathematics and science minors. Peace Corps volunteers serve for two years. During their service they receive a generous living allowance, paid travel, training and health care. A post-service readjustment allowance of \$175 per month is paid to each volunteer. For information on Peace Corps service, call 223-6366 or 7366, or write PEACE CORPS, 1405 McCormack POCH, Boston, MA 02109

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# notices

## Announcements

**Memorial Service for Prime Minister Indira Gandhi** at 5 pm at the MIT Chapel. Reverend Swami Sarvagatananda will conduct the service.

All students should obtain a **final examination schedule** at the Information Center, 7-121. Examinations not listed or a conflict in examinations must be reported to the schedules office, E19-338, by Friday, November 2.

The Dept. of Athletics has extended the evening closing time at the Alumni Pool. The **new open swim hours** will be from 7 to 8:30 pm Monday through Thursday effective Thursday, Nov. 1.

Notice to certain members of the class of 1985 and 1986: To avoid misunderstandings or complications which might slow progress toward your degree, please file a **Humanities, Arts, and Social Sciences Concentration Proposal** form with your chosen field office after discussing your program of study with a Field Advisor. This

should have been taken care of before the end of your sophomore year. If you have any questions please call the HASS Information Center, x3-4441.

A.I.C.U.M. (Association of Independent Colleges and Universities of Massachusetts) is attempting to document the activities of its member colleges with public school systems. If, as a member of the MIT Community, you are working with the Boston or Cambridge Public Schools, please call Alan Dyson, x3-7063.

Craft dealers wanted for the Jackson Mann Community School's Third Annual Holiday Crafts Fair on Saturday, November 3, 1984 from 10 am to 4 pm at 500 Cambridge St. Allston. If

you would like an opportunity to display and sell your wares, please call Rose Sabbag, 738-2770 to reserve a table or to answer any further questions.

**Attention Ugly People:** this year's UMOC (Ugliest Man On Campus) contest will start on Halloween day and run through November 9. Ugly people on this campus may compete by registering with APO and then collecting votes (a penny a vote). This year's money will go to Rosie's Place, a shelter for homeless women and their children in Boston that was ravaged by fire in April. For more information about how you can become UMOC '84, call APO at x3-3788.

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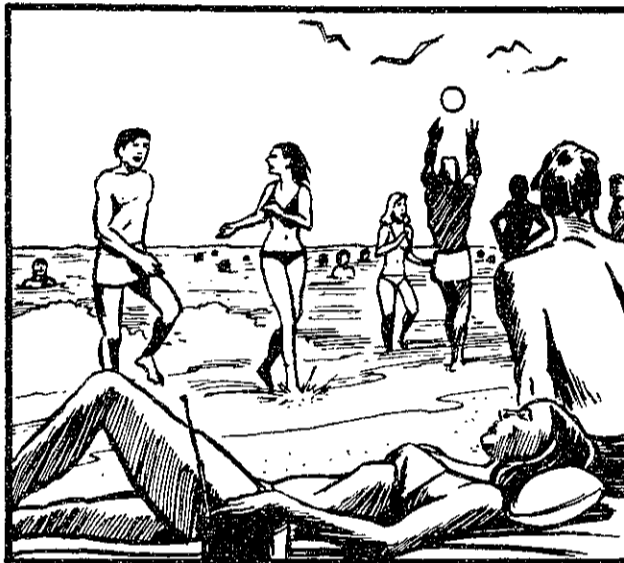
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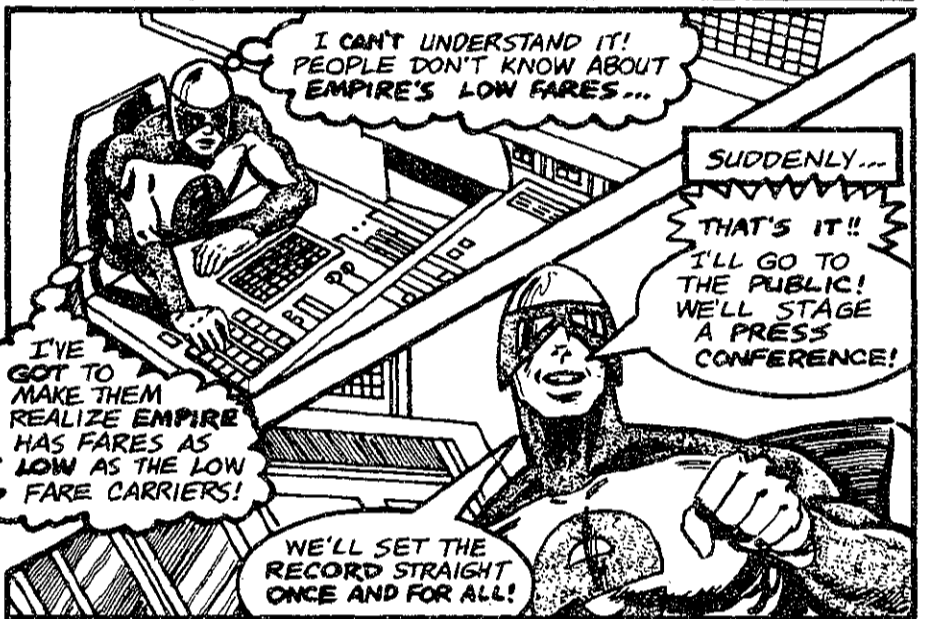
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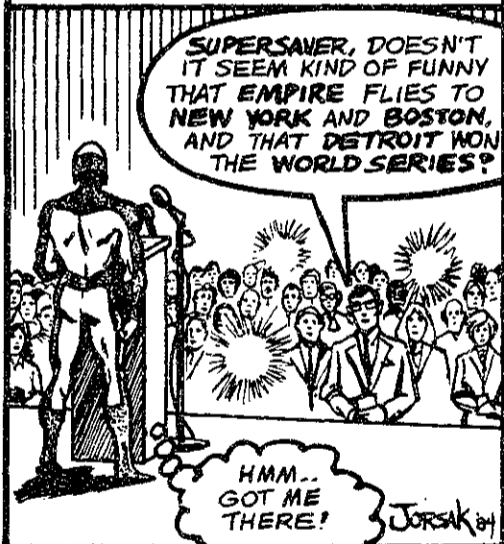
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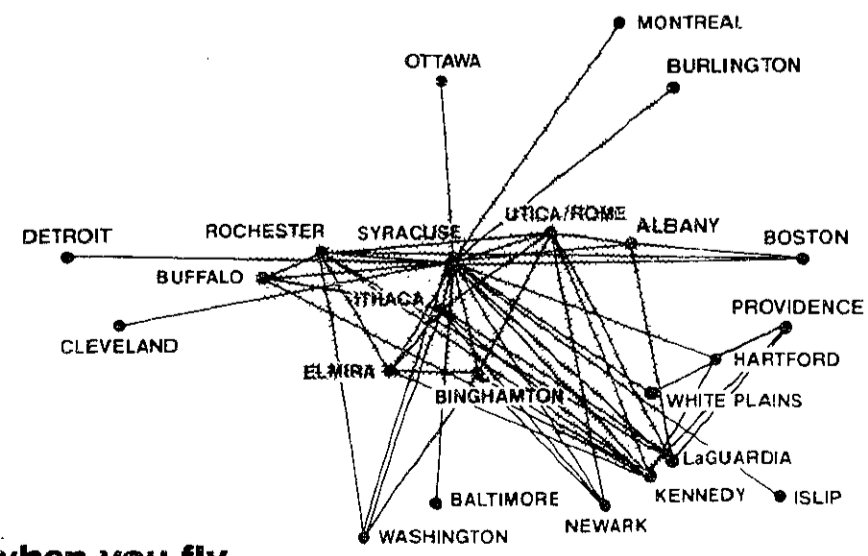
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# notices

## Announcements

The National Research Council plans to award approximately 35 Postdoctoral Fellowships for Minorities in a program designed to provide opportunities for continued education and experience in research for American Indians and Alaskan Natives, Black Americans, Mexican Americans/Chicanos, and Puerto Ricans. Awards will be made in the behavioral and social sciences, humanities, engineering, mathematics, physical sciences, and biological sciences, and for interdisciplinary programs comprised of two or more eligible disciplines. Deadline for submission is January 16, 1985. All inquiries concerning application materials and program administration should be addressed to the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

The National Research Council announces the 1985 Postdoctoral, Resident, and Cooperative Research Associateship Programs for research in the sciences and engineering to be conducted in behalf of 21 federal agencies or research institutions. Approximately 250 full-time associateships will be awarded on a competitive basis for research in chemistry, engineering, and mathematics, and in the earth, environmental, physical, space, and life sciences. Most of the programs are open to both US and non-US nationals, and to both recent Ph.D. holders and senior investigators. Awards are made for one or two years with stipends beginning at \$23,350 a year for Ph.D.'s and an individual determination for senior associates. Postmark deadline must be no later than January 15, 1985. Information on specific research opportunities and federal laboratories, as well as application materials, may be obtained

from Associateship Programs, Office of Scientific and Engineering Personnel, JH 608-D3, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 334-2760.

\* \* \* \*

The American Institute of Steel Construction has announced that eight graduate fellowships of \$5000 each will be awarded in 1985 by The AISC Education Foundation. The grants will be awarded to graduate civil or architectural engineering students proposing a course of study toward an advanced degree related to fabricated structural steel. Applicants must be U.S. citizens. Deadline for receiving applications is March 1, 1985. To obtain applications, write AISC Education Foundation, 400 N. Michigan Ave., Chicago, IL 60611, or call 312-670-2400.

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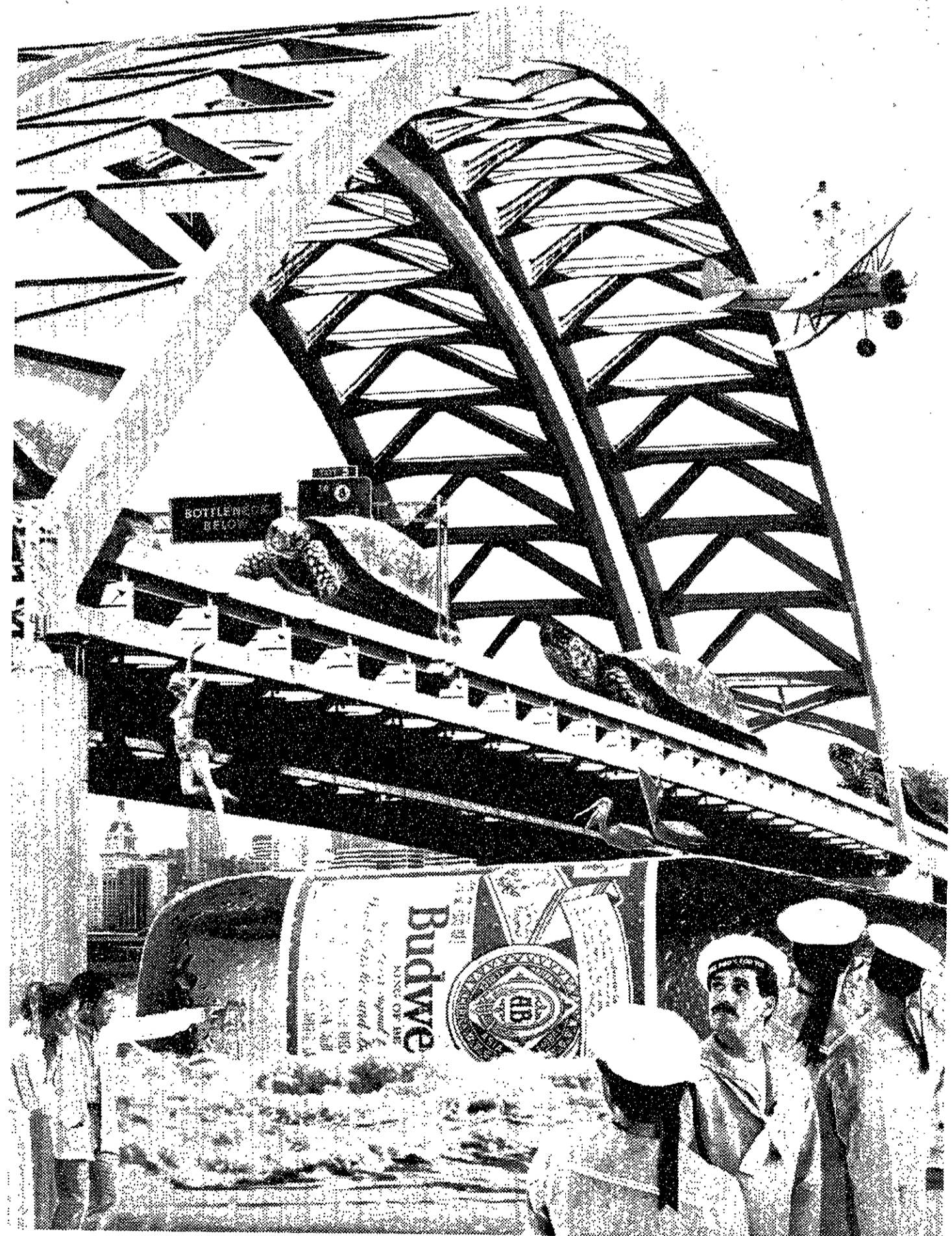
The National Consortium for Graduate Degrees for Minorities in Engineering, Inc. (GEM) is now accepting applications for its Graduate Fellowship Program which will provide one hundred-fifty awards to minority students in engineering. Candidates for participation must be American Indian, Black American, Mexican American, or Puerto Rican. Each fellowship pays full tuition and fees at a member university and a stipend of \$5000 for the academic year, as well as provides summer employment at a member-research laboratory. Deadline for application material for the 1985-86 fellowship year is December 1, 1984. For further information contact: Graduate Engineering for Minorities, P.O. Box 537, Notre Dame, Indiana 46556.

The Christian Science Monitor is sponsoring an essay contest challenging its readers to come up with possible scenarios that could lead to world peace in the next 25 years. Students and faculty at colleges and universities around the country are also invited to participate. Participants might consider such factors as economic conditions, the role of moral leadership and world armaments. Essays will be judged on the feasibility of the ideas they contain and will be expected to show a knowledge of the framework of international relations in the world today and the process by which those relations are bettered. Entries of not more than 3,000 words in English, French, German, or Spanish will be accepted. The best three will be printed in The Christian Science Monitor. Entries should be postmarked not later than December 31, 1984 and sent to PEACE CONTEST, The Christian Science Monitor, One Norway Street, Boston, MA 02115.

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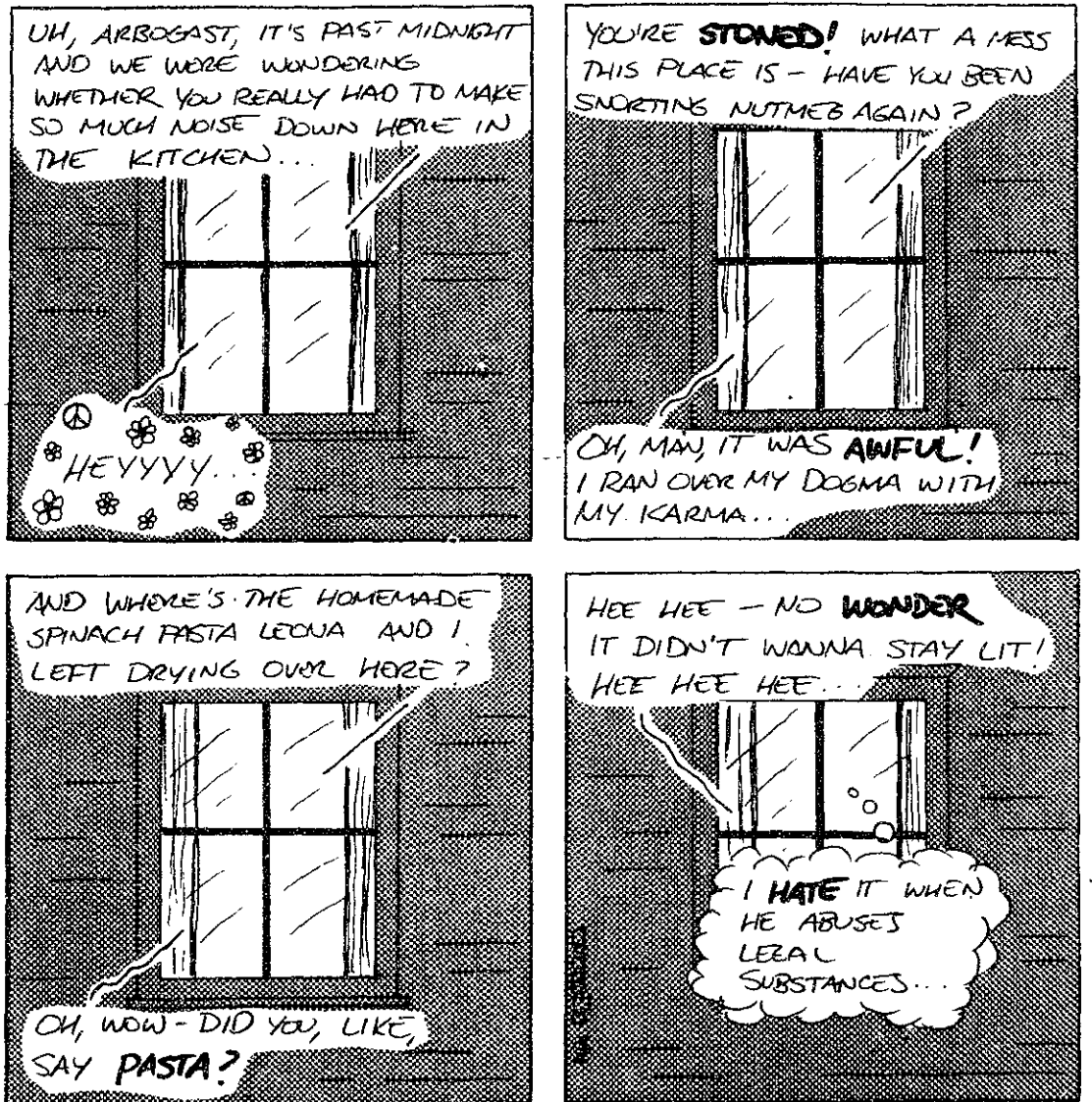


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# comics

Stickles  
By Geoff Baskir

Outside Looking In  
By V. Michael Bove



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# sports

## Rifle team moves up

By Andrew Bein

The rifle team, after dominating the New England Collegiate Rifle League for the past two years, has joined the Mid-Atlantic Conference "in which we hope to find a little more competition," according to its top shooter, Cliff Eskey '85.

"We've been the top team in New England by a fair margin," he said. The Mid-Atlantic Conference includes teams from New York, New Jersey, and Pennsylvania.

MIT's first conference match will be next weekend, when the team goes to the University of Pennsylvania at Philadelphia. "That will be the farthest we have ever travelled," said Eskey.

So far this season MIT has defeated Norwich University, and has beaten the US Coast Guard Academy soundly.

MIT's success in rifle stems from many sources. "We have a very good coach in Tom Perry," said team member Mark Foringer '87. "That's probably the major reason."

"The shooting program here is one of the better ones considering that we don't offer scholarships," said Foringer. Other competitive teams do, and the military academies actively recruit, said Eskey.

"You find a lot of engineers in

shooting," said Eskey of the team's composition, "not too many from humanities and business."

"They tend to be people interested in technical things," he added.

The team's top five shooters are Eskey, Foringer, Felixa Goldenberg '85, Pam Sullivan '86, and captain Bob Cooley '85.

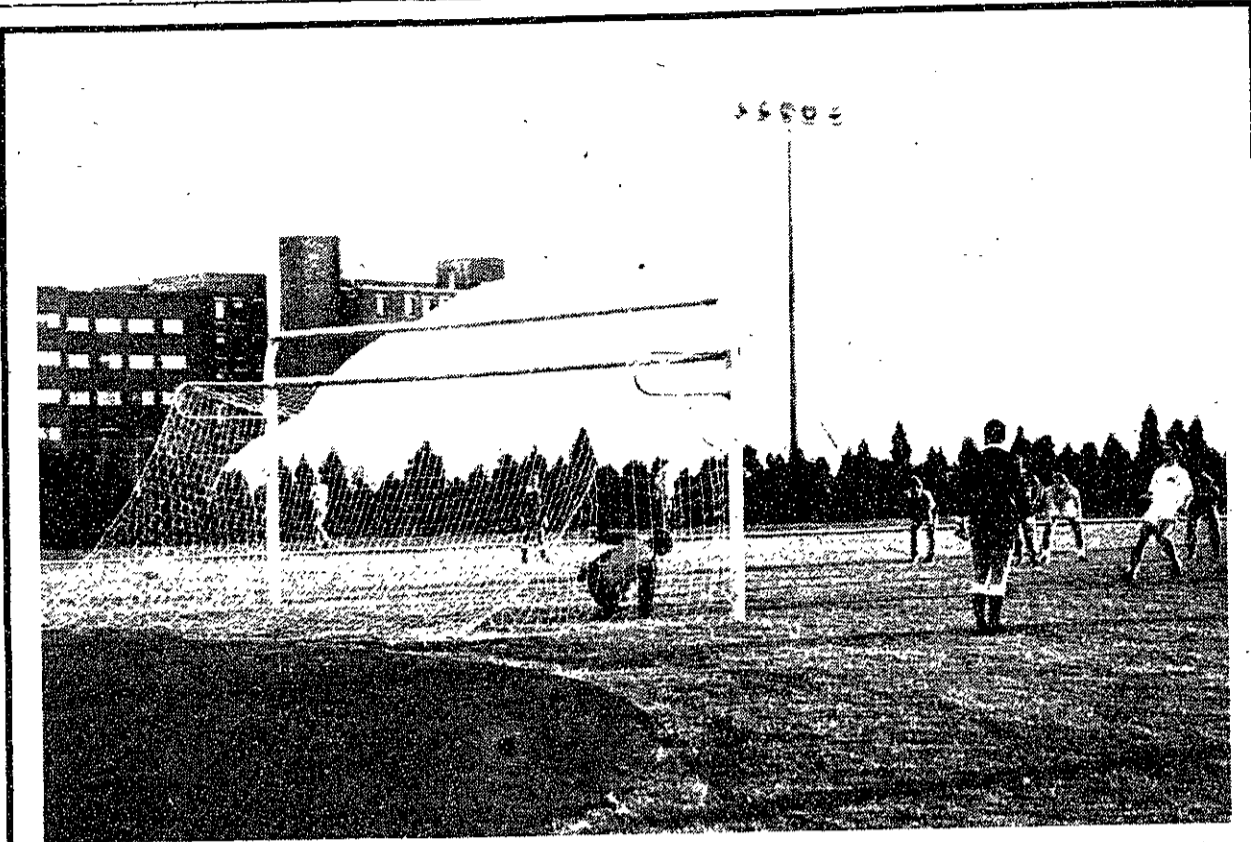
"Our biggest competition is West Point, [an independent], and St. John's, which is in the new league," said Eskey.

"We have lots of depth this year... nine people are shooting above 500 [out of 600]," said Eskey. "We have six or seven new freshmen," added Marc Monene '87, "as opposed to last year when we had only two freshman [who returned as sophomores]."

"We shoot .22's and air rifle standing forty shots," Eskey said. Since the new league has a separate air rifle competition, "we're specializing," said Monene.

The team has a new manager, Tom Murray '88, who will "help make things run more smoothly," said Eskey.

The team's confidence in its ability to win, even in the face of stronger competition, is also one of its biggest assets. "This is the greatest team on campus," said Goldenberg.



Tech photo by Frank Modica

Ante (Bill) Lunberg '85 kicks a penalty shot during this season's final soccer game. The Engineers lost the game against visiting Northeastern by a score of 4-3.

### sporting notices

The men's volleyball club practices are held weekday evenings at 7:30 pm in duPont. For more information, contact Karyn Altman at x3-7665.

## Sports Update

### Men's sailing third in New Englands

The men's sailing team competed in the Fall New England Championships for the Schell Trophy in a regatta last Sunday. MIT tied for third place out of fifteen teams.

Tufts took first, Boston University placed second, while the Engineers and Navy tied for the number three spot. Individually, Peter Quigley '85 placed first in the "A" division.

MIT's squad defeated Harvard, Yale, USC, Michigan and Dartmouth; all considered to be among the best sailing teams in the country. The impressive showing qualified the Engineers to compete in the Atlantic Coast Championship to be held Nov. 10 and 11 at Old Dominion in Norfolk, Va.

### Women's tennis has best season ever

The women's tennis team enjoyed best season in its 11-year history with a 10-1 record under fourth-year coach Candy Royer.

The Engineers took 48 of 66 singles matches, as five players had winning seasons: Jennifer Hyman '87 (11-0), Lisa Shields '85 (8-3), Heather Pickford '86 (7-1), Lisa Goldfarb '85 (6-2) and Mimi Ing '87 (7-2).

Shields and Hyman finished 7-1 in doubles play, while the pair of Heejung Koh '87 and Lizet Tirres '86 posted an undefeated 6-0 record. On the whole, MIT won 24 of 31 doubles matches.

The highlight of post-season play for the squad was a third place finish by the tandem of Koh and Tirres at the Massachusetts Association for Intercollegiate Athletics for Women Tournament held at Brandeis.

### Field hockey wins

The women's field hockey team ended its year on a winning note with a 4-1 win over Simmons. The squad finished with a respectable 5-7-2 record.

### Women's crew in Head of Schuylkill

The women's varsity crew made a strong showing at the Head of the Schuylkill in Philadelphia on Saturday. The varsity eight, with Hope Nelson '86 (cox), Linda Muri '85 (stroke), Liz Erskine '87, Ruth Fricker '85, Jocelyn Patterson '84, Nancy Walworth '85, Julia Nugent '86, Suzi Lane '85, and Maureen Sybertz '85 (bow) placed fifth in a field of thirty-four competitors in the open eights event.

The team's time of 15:43 was topped by only two other collegiate crews (Princeton, 15:28, and Northeastern, 15:41). The Boston Rowing Club, led by an Olympic stern pair, finished the 2.75 mile course first with a time of 14:45. MIT was followed by the Vesper Boat Club at 15:24.

A composite crew of Northeastern and MIT rowers (Kathy Geary '85, Kathy Wienhold '85, Katharine Moore '87 and Tina Cortesi '87) placed 19th in the same event.

### Frosh lightweights finish 4th and 5th

The freshman lightweight crew team traveled to New Hampshire Sunday for the Dartmouth Invitational Regatta. The Engineers' two boats finished fourth and fifth in the eight-team field.

The squad's last regatta of the season will be the annual Foot of the Charles on Nov. 17. Freshman crews from Northeastern, Boston University, and Harvard, and MIT will compete in that three-mile race from the MIT to the Harvard boathouse.

### Golf team 17th in N.E. championship

MIT's golf team completed its eight match season with a 6-1-1 record. After losing to Merrimack by nine strokes and tying Northeastern in the season open-

er, the Engineers posted consecutive wins over Mass. Maritime, Bentley, Boston College, Assumption, Springfield, and Bowdoin.

The squad fared well in tournament play, finishing 17th among 42 schools at the the New England Championships and tying for eighth among sixteen teams at the Eastern College Athletic Conference Northern Regional Qualifier.

### Men's soccer ends on losing note

The men's soccer team dropped its last game to Northeastern 4-3 in a hard-fought battle. Despite a strong effort the Engineers came up short, finishing the season with a 3-10-2 record.

Paul Paternoster

### classified advertising

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