

Sarath Krishnaswamy/The Tech
Skipper Dale Hinman '90 and My Caohuy '90 lead the pack in a race during the Smith Trophy on Saturday. MIT finished 6th out of 16 colleges.

Security changes draw fire

By Andrew L. Fish
First of two parts.

Residents of some dormitories have complained that new security measures are being imposed upon them without consultation. But Associate Director of Housing and Food Services Lawrence E. Maguire asserted that his office has had "nothing but support" for its security upgrade program.

Students have complained that the housing office has locked dormitory entrance doors without any warning. In addition, some students at Bexley Hall objected to the use of private security guards in the dormitory [these guards were removed last week].

These complaints come in the wake of an August rape in Bexley Hall — after which Campus Police Chief James Olivieri suggested that MIT might have to force physical changes upon the dormitories to improve security.

But Maguire claimed that his office does not "dictate" any se-

curity measures. Rather, it "works very closely with the house managers" to develop a security policy that all will find acceptable.

The house managers have been the communicators of the housing office's plans, Maguire said. He asserted that the majority of dormitory residents were being informed of planned changes, and that house managers were responding to student objections.

Associate Dean for Student Affairs James R. Tewhey agreed that it was important "to talk to students about any changes that are being implemented."

But residents of MIT's older dormitories — houses which have been more open in the past — have complained that the housing office has tightened security without any warning or consultation.

New locks are surprise

The housing office recently placed new locks on the entry doors to Senior House, drawing complaints from many irate residents. The dormitory had been locked from 12-8 am in the past, but there is no way to disable the new locks — the doors are closed 24 hours a day.

"A lot of people were very upset when they put on the new locks," said Senior House President Christopher W. Towse '88. The dormitory had requested new lock cylinders for two years, but assumed that the doors would still be unlocked during the day,

Towse explained.

Maguire dismissed the complaints as the views of a minority of the dormitory residents. He said there would be no point in installing new locks if they would be left unlocked.

A similar conflict seems probable in East Campus in the coming weeks. East Campus President Leslie A. Whitman '88 told a house government meeting that while the housing office would be replacing the cylinders on the outside entry doors, those doors would remain unlocked.

But Michael Mills of the housing office said he was planning to keep five of the dormitory's six external entrance doors locked 24 hours a day. He said he was not aware of any opposition to this plan.

East Campus House Manager John P. Corcoran said that he was "pushing for locks on the exterior doors," although he expects "a lot of flack from students." Corcoran said the locks were necessary because of the increase of crime in the area and concerns over safety. He pointed out that non-residents have been found sleeping or loitering in the building often in the past.

Corcoran added that he wanted to lock basement doors to keep non-residents from using the laundry and game rooms. He noted that there are some "dark areas" in the basement that could be hazardous to students.

(Please turn to page 2)

Drug testing policy finalized

By Morlie L. Wang

The interim drug testing policy prepared by an *ad hoc* committee last January has become the official working policy concerning MIT's use of NCAA drug-testing results, according to Paul Grace, coordinator of sports medicine for the MIT Athletic Department. He added that unless faculty opposition appears, it will remain the permanent policy of the department.

The policy, which was the effort of medical staff, students, faculty, and the athletic department, was deemed interim in January since it was meant to give an opportunity for faculty to respond and propose changes for the 1987-88 school year, Grace said.

The interim policy was forwarded to the Faculty Policy Committee for review, according to Grace. He added that the committee examined the interim policy and to date have given no formal response.

But "the Faculty Policy Committee wasn't responsible for an endorsement or lack of endorsement of the interim policy," ac-

cording to Laura Mersky, secretary of the FPC. "When the policy was given to us, we were asked to simply listen to the issue."

The interim policy was only meant to be in effect for the 1986-87 academic year, according to Jeff Meldman of the Committee on Privacy. Meldman believes that some members of the *ad hoc* committee accepted the terms of the interim plan believing that they were provisional, pending faculty examination.

The medical department, for example, felt it did have some responsibility to provide medical help to an athlete testing positive, Meldman explained. He added, though, that providing help efficiently would be difficult since the department had no access to test results.

The NCAA rules adopted in January of 1986 state that all athletes are required to sign a consent form before their competitive season begins. But the actual drug tests are only given to selected players in post-season play-offs and bowl games.

Among the banned drugs are

psychomotor stimulants, sympathomimetic amines, central nervous system stimulants, anabolic steroids, diuretics, and "street drugs" (e.g. cocaine, marijuana).

According to the interim policy, only athletes qualified for NCAA competition are tested by the NCAA. "There is no additional testing done by MIT," said Royce N. Flippen Jr., Head of the Athletic Department.

The testing is now more random for the qualified athletes, Flippen commented. Athletes taking certain cold and diet medications on the NCAA banned list may declare the levels of these medications and not be liable for ineligibility if the levels are not higher than the student's declaration.

The NCAA is also examining the possibility of expanding its testing program to include smokeless tobacco usage and alcohol consumption, Flippen added. It is also considering the whole issue of alcohol and advertisements of alcohol in its broadcasts, he said.

(Please turn to page 12)

Biden affair stirs questions about role of media

By Thomas T. Huang

Despite a hectic week of admission and explanation, Gov. Michael S. Dukakis will probably stay in the 1988 presidential race. Nevertheless, his campaign has been seriously wounded by the revelation that his campaign director released — purportedly without the governor's knowledge — a videotape to the press that helped oust Sen. Joseph R. Biden (D-DE) from the race, according to two experts on politics and the media who spoke at MIT last Thursday.

John Sasso, who resigned last week as Dukakis' campaign manager, had edited and released to *The New York Times*, *The Des Moines Register*, and NBC a videotape that showed how Biden had borrowed without attribution

election '88

parts of a political speech delivered by Neil Kinnock, leader of the British Labor party.

"Unless something else comes up," said Robert L. Turner, political columnist for *The Boston Globe*, "[Dukakis] will survive. He's gotten far enough [in his campaign] in Iowa and New Hampshire that he's got something to work off." Yet, for Turner, a question still lingers: How good will Dukakis be without highly-esteemed campaign manager and public relations man Sasso?

This question — and the recent turn of events that have come three months before the Iowa caucus — indicate just how important the media's role has become in presidential elections. Both Turner and Henry Brady, professor of political science at the University of Chicago, addressed this role as they tackled

the question "Do the media choose the president?" in a seminar sponsored by the MIT Communications Forum. Peter Lemieux, lecturer in political science at MIT, moderated the discussion.

Turner acknowledged that some stories — such as those involving Biden's speeches — are "spoon-fed" to the media, but that the media cannot ignore those stories. Rather, the media must verify such stories and try to put them in context.

For Brady, recent events involving Democratic presidential candidates Dukakis, Biden, and former senator Gary Hart show how the press now eliminates candidates from the presidential race, while Turner said that the press is not the culprit, but rather the candidates and their campaigns.

Brady said that although Dukakis' staff may have exhibited "bad manners," it did not do anything illegal, or even immoral. "Is it possible that the media are making too much of this?" he asked, although he conceded that because the president has his finger on "the red button," a

(Please turn to page 15)

UA outlines year-long objectives and activities

By Akbar Merchant

The Undergraduate Association Council outlined this year's agenda at the first UAC meeting of the year Sept. 30. The agenda includes four projects — student awareness of the UA, Residence/Orientation, an MIT Open House, and MIT's alcohol policy. The UA drew up the list of projects during its retreat Sept. 25-26, according to UA Vice President Alan B. Davidson '89.

Davidson said the "first and foremost" problem is that many students do not know what the UA is. As a result public awareness had to be a priority project.

Vishvjeet Kanwarpal '89, chairman of the newly-established Publicity Committee, said that his committee will produce a newsletter for all undergraduates and will also employ suggestion boxes. The committee would thus "arouse dormant UA-student consensus" by informing students on UA activity and channeling student ideas to the various UA committees, he said.

Residence/Orientation is a "big issue," according to Davidson. The UAC should concern itself with the fraternities not getting enough pledges [see "Fraternities have many vacancies," Sept. 15] and with people not getting the

assignments they want, Davidson said.

Regarding the alcohol policy, Davidson asserted that "MIT is one of the wettest campuses in the [Boston] area." The Dean's office and the Campus Police cannot deal with the situation as it is, he said. So the UA should help solve the problem or "they'll solve it for themselves."

UA President Manuel Rodriguez '89 said that holding an "open house" at MIT would help clear up public misperceptions of MIT. "MIT is perceived differently outside than we perceive ourselves." He cited headlines that appeared throughout the nation this summer for stories on changes in the Humanities Distribution Requirement. One of them read "MIT students finally required to write."

The open house, as Rodriguez envisioned it, would invite people from the press, industry, and neighboring community and alumni to come and "find out what MIT is like." He anticipated such an event will get strong support from students and the administration. MIT had such events in the 1950s and '60s, Rodriguez added.

The retreat produced four other

(Please turn to page 13)

Jeffrey W. Liebman

Jeffrey W. Liebman '88 committed suicide on Friday, Oct. 2. Liebman came from Walden, NY, and was a fifth-year senior majoring in mechanical engineering.

Liebman lived at Delta Tau Delta fraternity for four years and this semester lived in Central Square. He served as sergeant-at-arms and social chairman of his fraternity. He enjoyed jogging, soccer, and weightlifting.

Liebman is survived by his parents and a brother. A memorial service is being planned for next week, but the date and time have not been set.

inside

Find out all about
Physical Plant. Page 2.

Physical Plant has tough job

Feature

By Susan Seung-Eun Lee

Which MIT office gets more complaints, more mail, and perhaps less recognition for its work than any other office on campus? Given the crucial role Physical Plant plays in keeping MIT running, it gets far less credit than it deserves.

Physical Plant is a service organization responsible for the entire operation, maintenance, and construction of all the facilities on campus, according to Physical Plant Director Paul F. Barrett.

Physical Plant's duties are often very thankless. It receives about 40,000 complaints a year. Once a professor threatened to throw a brick out the window if

his air conditioner was not repaired in half an hour, Barrett related.

There are "very few complimentary calls," Barrett said. People call me because "they're terribly unhappy."

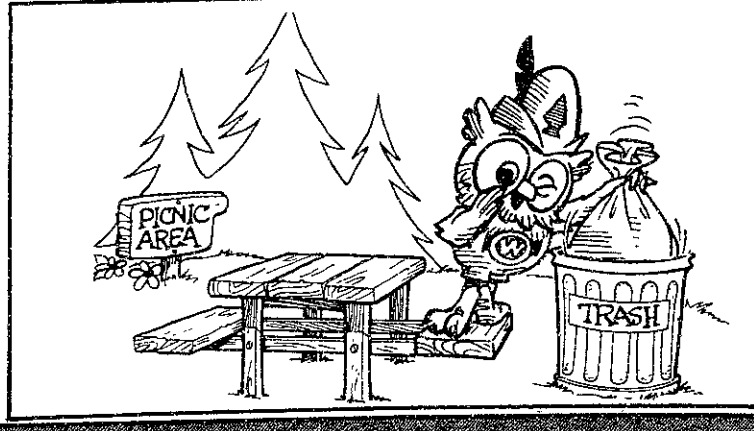
"But you have to respond to those problems," he explained. The problems range from a leak to not being able to find the custodian.

Barrett became the director of Physical Plant in 1980 but he has been working for the office since 1962. He likes working for Physical Plant because he meets "a lot of interesting people." They range from Nobel Laureates to students, he said.

Physical Plant is a surprisingly large operation: its gross budget is \$42 million per year with a net

budget of \$36 million, according to Barrett. Physical Plant sells certain services, such as heat and energy, to the community, Barrett added.

Although Physical Plant is bigger now than it was at its birth, it is still smaller than it used to be 4 or 5 years ago. At that time, the office suffered a budget cutback (Please turn to page 15)



This space donated by The Tech

24 hour locks opposed

(Continued from page 1)

Corcoran added that he felt most residents were conscientious about security, and would not mind the changes.

Residents object to guards

In Bexley Hall, the Housing Office began staffing the front desk with outside security personnel, leading several dormitory residents to complain, Maguire said. Maguire explained that the move was necessary because house residents did not consistently staff the desk.

But the outside agency was fired because "they weren't performing up to standards," according to Bexley Hall Manager John Prialaga. Prialaga said that until the desk could be consistently staffed by students, managers and night watchman would man it.

Renovations continue

Mills said the housing office had to abandon its initial plan of upgrading security one dormitory at a time. Rather, it is now making improvements "where vulnerability is highest."

Mills said the housing office asked the house managers to recommend changes that were needed immediately. After all these requests are fulfilled, the housing office will take a more systematic approach in completing the upgrade.

MacGregor House and Baker have been completely upgraded, and work is underway at Senior House and McCormick, Mills said.

The upgrade involves replacing all entry and room locks, adding electronic releases so the house desks can open doors, placing jimmy guards on individual room doors, and adding window guards to vulnerable windows.

Some of the dormitories will have major work done to desks and entrances to create more lim-

ited access systems, Maguire added.

In addition, the housing office is starting a centralized system to keep track of all keys that are issued. In this way, they will be able to know when a lock should be replaced — under the current system the housing office has no way of knowing how many keys are in circulation.

Some thought has been given to using magnetic "key cards" in the future, but fundamental deficiencies in the system must be rectified first, Maguire said.

The Housing Office has already spent about two-thirds of its \$255,000 start-up budget on the security program, Maguire said. An additional \$95,000 has been budgeted for each of the next three years to cover improvements and the cost of staffing dormitory desks for longer hours.

(Next: Issues of liability and student cooperation)

HIT THE BOOKS. AND GET A JUMP ON YOUR CAREER.

100 BEST COMPANIES TO WORK FOR IN AMERICA
NATIONWIDE BESTSELLER
Robert Levering, Milton Moskowitz, and Michael Katz
AUTHORS OF THE COMPANY'S BUSINESS WITH THE COMPUTER LISTING MANUALS

If you're serious about landing the best job, find the best company. And now there's an important, independent source you can rely on—*The 100 Best Companies to Work For in America*.¹

Or, discover more about Northrop from the information available through your Career Center, which includes valuable interview and job search tips.

You'll find Northrop's advanced technology gives you more advanced opportunities...at one of the best companies to work for in America.

NORTHROP
Northrop Corporation

¹Levering, Moskowitz, Katz: *The 100 Best Companies to Work For in America*, ©1987, by New American Library, reprinted by arrangement with Addison-Wesley Pub. Co. Inc., Reading, MA 01867.

Northrop is an equal opportunity employer. U.S. citizenship required for most positions.

ON CAMPUS OCTOBER 16

Budget Airfares

Round Trips from BOSTON
Fares start at:

LUXEMBURG	348
LONDON	369
PARIS	428
SYDNEY	1095
HONGKONG	749
CARACAS	360

Taxes not included.
ALSO: International Student ID, Youth Hostel Passes and EURAIL Passes issued on the spot!
Call for FREE CIEE Student Travel Catalog!

COUNCIL TRAVEL

BOSTON CAMBRIDGE
[617] 266-1926 [617] 497-1497

Package Handlers Part-time

MONEY FOR COLLEGE YOU DON'T HAVE TO PAY BACK!

Let UPS help you earn the extra cash you need to make it through school!

UPS has lots of steady, part-time openings for male and female package handlers and sorters at \$8.9 an hour. Choose your own convenient 3-5 hour shift to fit around your classes.

UPS also gives you all the benefits of a "full-time" position on a "part-time" basis, providing great benefits including paid vacations, profit sharing, paid medical, dental & vision coverage. UPS also offers fantastic career advancement opportunities into management or other positions.

This year, don't borrow your way through school—EARN it with UPS!

Apply in person Monday-Wednesday 1pm-5pm at the Personnel Office, 10 American Drive, Norwood, Route 1 South (Norwood Exit) off Route 128. Left on Everett Street.

ups
UNITED PARCEL SERVICE
Always an Equal Opportunity Employer

news roundup

from the associated press wire

World

Marine helicopter crashes in the Gulf

A Marine helicopter crashed in the Persian Gulf late Sunday while conducting routine night operations and one of the four crew members is missing. Naval command says that there was no "hostile activity" in the crash of the helicopter.

The White House released a statement saying that the crash occurred as the chopper was returning to the *USS LaSalle*. It is withholding the name of the missing crew member pending notification of next of kin.

Local

Cambridge resident released in Tibet

US consular officials in China have advised a Cambridge couple that their son is safe after being arrested during an independence demonstration in Tibet early last week. Thirty year old John Ackerly and his former Dartmouth College roommate, Blake Kerr, were detained over a week ago. According to the consul, they were in custody only for a few hours and the state department is currently working on getting them out of the country.

Three UNH students on trial for rape of drunk woman

Three male University of New Hampshire students go on trial today in Dover, New Hampshire on charges that they sexually assaulted a woman who says that she was too drunk to resist. Two of the students claim that the woman was a willing participant in the February incident. The two were cleared by a UNH judicial board of sexual assault charges but convicted of violating school rules. They were suspended for one semester.

The third student is pleading innocent to misdemeanor sexual assault. He was cleared of any wrongdoing by the school judicial board.

Nation

California continues to shake

Since Thursday's massive earthquake, the Los Angeles area has been plagued with numerous aftershocks, the strongest of which occurred Sunday morning registering 5.5 on the richter scale. This most recent tremor has caused at least one additional death, a woman who suffered from a heart attack. Officials estimate the tremors have caused over 108 million dollars worth of damage since Thursday. To make matters worse, the National Weather Service is predicting temperatures in excess of 100 degrees for the LA area.

Teachers' strike in Chicago ends

Chicago's teachers voted last night on a contract proposal that ended the four week old strike. The twenty-eight thousand teachers were back on the job today, with classes beginning for the 430,000 public school students on Tuesday. The ratified agreement ended the longest teacher's strike in Chicago's history.

Canadian trade pact announced

President Reagan hailed the new trade alliance with Canada as a historic pact that will strengthen both economies and result in "thousands of jobs" on each side of the border. Reagan said that the pact will eliminate all Canadian tariffs, secure improved access to Canada's market for US manufacturing and improve US security by opening access to Canadian energy supplies.

National crime rate falls

The Justice Department reported yesterday that for the fifth consecutive year, the national crime rate has fallen. The government reports that 7 million fewer Americans were victimized by crime last year than in 1981, representing a 20 percent decrease. Officials credit the decline to the aging of the baby boom era. Experts say that there are currently fewer people between 15 and 24, which is the age group which has been most prone to commit crime.

Reagan puts pressure on Senate for Bork nomination

Senator Orrin Hatch (R-UT) said on NBC's *Meet the Press* that Reagan will push for a full Senate vote on his Supreme Court nominee, Robert Bork. Hatch added that Reagan has no intention of withdrawing Bork's name even if an overwhelming number of Senators announce their opposition to Bork.

Bork's chances appear to be poor since eight members of the Senate Judiciary Committee have already voiced opposition to Bork's nomination and only Senator Howell Heflin (R-AL) remains undecided. The Senate Judiciary Committee votes on the nomination today.

Weather

Spring for a day

Despite the winter foreshadowing of Sunday and early Monday, our weather will be more seasonable for the next two to three days. Along with moderate temperatures, we can expect sunshine today and early tomorrow. By late Wednesday, however, another frontal disturbance will be headed our way, promising a rather wet situation for Thursday.

Tuesday: Skies will be mostly sunny while high temperatures reach 65-70°F (18-21°C). Winds will become southerly at 10-15 mph (16-24 kph).

Tuesday night: There will be a few high clouds around. The low will be near 55°F (13°C) with brisk southerly winds at 15-20 mph (24-32 kph).

Wednesday: Increasing cloudiness. Highs 65-70°F (18-21°C).

Thursday: Rain likely with highs 60-65°F (15-18°C)

Forecast by Robert X. Black

Compiled by Darrel Tarasewicz

TYPEWRITERS

We've Got Your Type

It takes all types, and we have the right type for you. Enjoy big savings on Smith Corona and Brother typewriters.

SAVE \$20

Smith Corona XL 1000 Electronic Typewriter (not shown)
An electronic portable for everyday typing needs. From personal correspondence to school papers, you'll enjoy the convenient Correct Key, WordEraser™ and automatic centering and return.

Reg. 159.95

SALE 139.95

SAVE \$20

Smith Corona XL 2000 Electronic Typewriter
An electronic portable with a built-in 50,000 word electronic dictionary that alerts you to typos and misspellings the instant they occur. The Spell-Right™ dictionary is the heart of this complete correction system which includes full line memory correction, WordEraser™, relocate and half space.

Reg. 199.95

SALE 179.95

SAVE \$50

Brother® 300M Electronic Typewriter (not shown)
This Brother® offers so much for so little. Its major features include a 5000 character memory, lift-off correction memory and "Word-Out" correction to erase an entire word with one touch.

Reg. 189.95

SALE 139.95

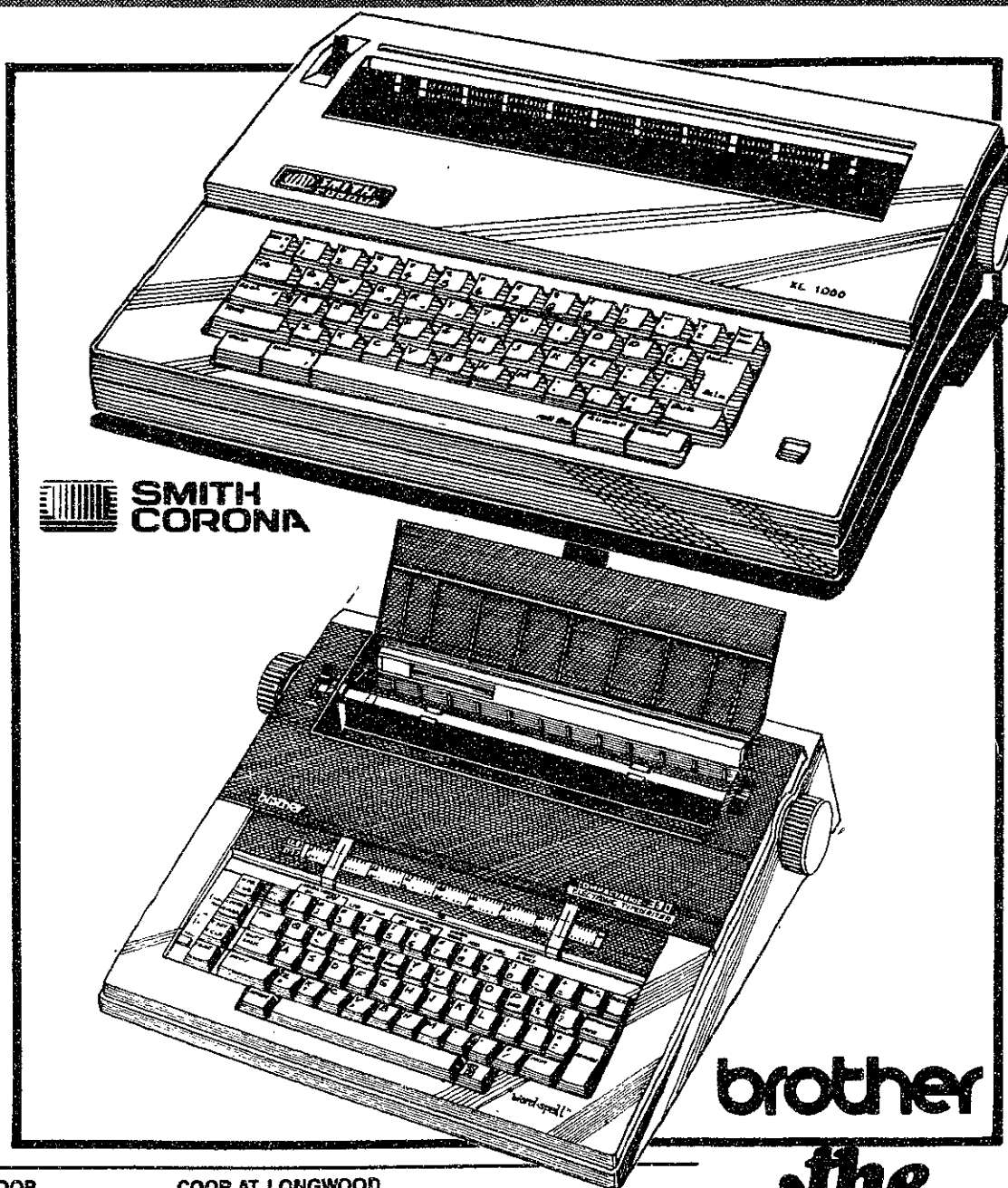
SAVE \$50

Brother® 310 Electronic Typewriter
The major feature of this typewriter is the "word-spell"™ built-in electronic spelling dictionary with over 60,000 pre-programmed words. Other features include full-line lift-off correction memory, "word-out" correction system and automatic centering.

Reg. 259.95

SALE 209.95

(Not available Downtown)



SMITH CORONA

brother
the
Coop

HARVARD SQUARE
Cambridge
M-Sat 9:20-5:45pm,
Thurs. 'til 8:30

MIT COOP AT KENDALL
3 Cambridge Center
M-Fri 9:15-7pm,
Thurs. 'til 8:30
Sat 9:15-5:45pm

DOWNTOWN COOP
1 Federal St.
M-Fri 9:15-5:30pm

COOP AT LONGWOOD
333 Longwood Ave.
M-Fri 9:15-7pm
Thurs. 'til 8:30,
Sat. 9:15-5:45pm

PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages. PARK FOR \$1 AT LONGWOOD* Behind Coop after 5pm and all day Sat.
*With \$5 minimum purchase: validate sales receipt at Coop Cashier's desk.

Coop Charge, MasterCard, Visa and American Express welcome.

opinion

Editorial

Breakdown delays security measures

The rape of a female Bexley Hall resident in August revealed the sad state of dormitory security at MIT. Two months have passed, and nothing much has changed — some new locks have been installed. It is an outrage that such a tragedy seems not to have been enough to stir the MIT community to action.

It is now clear that a breakdown in communication between several groups — the MIT Campus Police, the Housing Office, the dormitory governments, and students — is delaying long-range measures that could make our dormitories safer.

What measures would help? The Campus Police must release a physical description of the rapist. The Housing Office must implement to completion a security plan developed last December which would include desk-controlled entrances. This office must also consult with students on the planned changes. Finally, students must make use of such security measures.

The Campus Police refused to release a description of the rapist. Officers claimed that it was against policy to do so. A similar statement was made to students at East Campus when the students had requested a photograph of a man arrested for theft there. He has since been linked to other thefts in the dormitory system.

Such a policy is perplexing. The Campus Police force has consistently asked students to take responsibility for their own security, but has itself been unwilling to cooperate with students' efforts to do so. When a serious crime is discovered at most other schools, a description and bulletin alerting students are released within a day. Such a bulletin did appear at MIT — two weeks after the crime.

The Housing Office must stick to its plan to create desk-controlled entrances to dormitories. Unfortunately, it has sought to solve the security problem by locking the entrances of several living groups without consulting the students. Not surprisingly, students were angered. If these measures are to be accepted, the Housing Office needs to consult with residents before implementation.

Finally, the major responsibility for ensuring security lies with dormitory governments and residents. Yet students continue to be lax about locking up. We use the flawed and selfish argument that a comfortable living environment depends on unhindered entry to and departure from our dormitories. Nevertheless, we know that dormitories whose access is limited to one supervised desk — Random and McCormick Halls — have significantly lower theft rates than other dormitories.

Problems of campus security will only be solved when the Campus Police, the Housing Office, house governments, and students all take part in making dormitories secure.

In late August, Bexley Hall voted overwhelmingly to install a gate in front of the dormitory so that access would be limited to one place. Must other dormitories wait for their own tragedies before considering similar action?



Column/K.J. Saeger

Bork defeat hurts everyone

Robert Bork — R.I.P.

The Senate Judiciary Committee votes today on what to do about Bork (most probably send him to the floor of the Senate to die). This event, coupled with the deviant twistings of a conservative mind, showed me what Pope John Paul II has in common with the Constitution: trouble with the American flock. Americans have become unprincipled usurpers of "rights" to which they are not entitled.

Official Catholic doctrine holds that artificial birth control, abortion, and homosexuality are immoral. However, some members of the American church think that these teachings are too restrictive. They feel that the church is not flexible enough in its views. Perhaps they also feel that the church should condone these activities which have become a part of their lives.

Now, I am not a Catholic, but it would appear that the primary difference between Catholicism and Protestantism is the existence of a Pope. The Pope is believed to be God's representative on Earth. Now, if this Pope believes that some act is wrong, then, for Catholics, it clearly must be.

People complain that the Pope is out of step with the times, that his views do not accurately reflect modern realities. But the role of the Pope is to teach what is Good. If this Good is genuine, then one would expect it to be

absolute, eternal, and immutable. Good and Evil are not passing fancies; they live from age to age, and from culture to culture.

Anyone can claim to be a Catholic, but to truly be Catholic is to accept the teachings of the Pope. To blatantly oppose these teachings is to take claim to "rights" not granted, and, by so doing, to become non-Catholic.

In much the same way as the Pope is what distinguishes Catholicism from other forms of Christianity, our Constitution is what distinguishes our government from other constitutional democracies. As the Pope gives guidance to the religious life of his flock, the Constitution gives

guidance to the governing of the American people. The Constitution is the social contract by which we agree to live in the United States. As those who oppose the teachings of the Pope are somehow less Catholic, those who pervert the Constitution are un-American.

The Constitution gives us, through the Bill of Rights and through subsequent amendments, certain guaranteed rights. This enumeration of rights is what I would equate to the Good that the Pope professes. Again, I would assert that if these rights are genuine, then they should be

(Please turn to page 5)

Editorials, marked as such and printed in a distinctive format, are the official opinion of The Tech. They are written by the editorial board, which consists of the publisher, editor in chief, managing editor, news editors and opinion editors.

Dissents, marked as such and printed in a distinctive format, are the opinions of the undersigned members of the editorial board choosing to publish their disagreement with the editorial.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the Editor are welcome. They must be typed, double spaced and addressed to The Tech, PO Box 29, MIT Branch, Cambridge MA 02139, or by interdepartmental mail to Room W20-483.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without express prior approval of The Tech. The Tech reserves the right to edit or condense letters. Shorter letters will be given higher priority. We regret we cannot publish all of the letters we receive.

The Tech

Volume 107, Number 39 Tuesday, October 6, 1987

Publisher Michael J. Garrison '88
 Editor in Chief Earl C. Yen '88
 Business Manager Mark Kantrowitz '89
 Managing Editor Ben Z. Stanger '88
 Production Manager Ezra Peisach '89

News Editors Mathews M. Cherian '88
 Andrew L. Fish '89
 Akbar A. Merchant '89

Night Editors David B. Plass '90
 Mark D. Virtue '90

Arts Editors Peter E. Dunn G
 Jonathan Richmond G

Photography Editors David M. Watson '88
 Kyle G. Peltonen '89

Advertising Manager Halvard K. Birkeland '89
 Contributing Editors V. Michael Bove G
 Julian West G

OPINION STAFF

Thomas T. Huang G, Kevin J. Saeger G, Sharalee M. Field '89.

CARTOONISTS

Kevin J. Burns '79, Shannon T. Zachow '88.

PRODUCTION STAFF FOR THIS ISSUE

Night Editor: Ezra Peisach '89
 Associate Night Editor: Mark D. Virtue '90
 Staff: Peter E. Dunn G, Michael J. Garrison '88, Halvard K. Birkeland '89, Kyle G. Peltonen '89, David B. Plass '90.

The Tech (ISSN 0148-9807) is published Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$14.00 per year Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. POSTMASTER: Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139-0901. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. Entire contents © 1987 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

feedback

INF shows value of nuclear policy

To the Editor:

In view of the imminent INF treaty, it would be instructive to examine some of the history that made the global elimination of LRINF (Longer Range Intermediate Nuclear Forces) missiles a possibility. Although President Reagan proposed the global double zero option, the NATO policy that brought this treaty about was conceived during the Carter administration. In addition, had the European nuclear freeze movement been successful, it is unlikely that an agreement of this type could be possible.

Battlefield nuclear weapons have been placed in Western Europe by the United States primarily as a symbol of US commitment to the security of NATO. Their secondary purpose is to make the nuclear deterrent and the NATO doctrine of "flexible response," the threat of the use of nuclear weapons to stop a conventional attack, credible.

These weapons include, bombs, artillery shells, and short range missiles. From 1960-1962, there were also LRINF missiles deployed in Turkey which had the capability to threaten targets

in the Soviet Union from Western European soil.

The Soviet Union also deployed similar types of nuclear weapons in the Western USSR and in Eastern Europe. In 1977, the Soviet Union began to deploy the SS-20 Saber LRINF missile.

Since the SS-20 would put nearly all high value NATO installations at risk, and NATO

had no equivalent system, NATO embarked on a two track policy in 1978. The United States would develop and deploy the Pershing II and GLCM (Ground Launched Cruise Missile), and, at the same time, would begin negotiations to remove LRINF missiles from Europe.

In the early 1980's, the Soviet

(Please turn to page 6)

Pornography debate uses flawed reasoning

To the Editor:

I don't intend to express my opinion as for the substance of the abundantly discussed problem of "sexually explicit films" on the MIT campus. My concern here is for a valid argumentation. Let us examine if there is not a hidden classification fallacy in the arguments of the supporters when they put the issue under the heading of the "freedom of speech," which, as an undisputable right, is considered to be the essential foundation of showing the films on the campus.

The Tech wrote, "The right to express ideas contrary, unpleas-

ant, or even repugnant to certain people is guaranteed by the first Amendment of the United States Constitution" ["Policy on sexually explicit films is unenforceable," Sept. 18] The editorial continued, "the right to protest such contrary, unpleasant, and repugnant ideas is likewise guaranteed, and vehement protests should be the response to the screening of such films, rather than a censorship policy."

I argue that showing the films is not of the class of speech, but of deed, and hence the liberty to practice it is to be considered un-

(Please turn to page 6)

opinion

feedback

Connections: the Pope and our Constitution

(Continued from page 4)

absolute, eternal, and immutable. The writers of the Constitution knew, however, that they were merely human and that what they perceived as Good may in fact not be. To remedy this, they specifically made provisions so that the Constitution could be amended.

Amending the Constitution is not an easy process, and it was not meant to be. This document was not supposed to be changed from generation to generation; change was only warranted as a means to redress grievances which future generations might have with the framers.

Yet, somehow we have lost touch with how our government is supposed to work. The Congress is the legislative body of our government, but it has become flaccid and ineffectual. Instead of dealing with important controversial issues of our times, they have relinquished their powers to the Supreme Court.

The Justices of the Court, in turn, have been manipulating and distorting the Constitution in order to extend their influence to all facets of American life. The writers of the Constitution did not write the document in some kind of recondite code which could only be deciphered at a later date by the most arcane scholars. They spelled out exactly the rights which they felt were necessary for a free democracy in simple and exacting text.

To quote former president Franklin Roosevelt in an unusually lucid moment: "I want — as all Americans want — an independent judiciary as proposed by the framers of the Constitution. That means a Supreme Court that will enforce the Constitution as written — that will refuse to amend the Constitution by the arbitrary exercise of judicial power — amendment by judicial say-so" [Fireside Chat, 9 March 1937].

Now, we have a man nominated for the Supreme Court who believes that the framers of the Constitution knew exactly what they were doing, that the Constitution is literal and exact, understandable even for the common man. He believes that the Constitution does not live through labyrinthine reinterpretations by Supreme Court Justices but lives instead in the same way as the universal truths and rights espoused therein endure from generation to generation.

The reason that so many special interest groups fear Bork is

that they realize that they have usurped "rights" from the Constitution. Through capricious rulings, both beneficial and sinister, the Court has given pseudo-rights whose only basis is a contrived reading of the Constitution. Rights obtained in this manner are bastards of democracy, in constant fear of being discovered.

Griswold v. Connecticut and *Roe v. Wade* are the modern day equivalents of *Plessy v. Ferguson* or *Korematsu v. United States*. If citizens are concerned about the rights of women, then they should work to pass the ERA. If they are concerned about some universal right to privacy, then a privacy amendment should be drafted. The Court has neither the responsibility nor the right to grant what is not given.

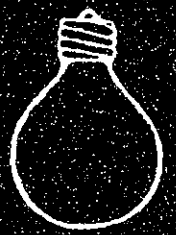
Bork should not only be a Justice of the Supreme Court, he should be Chief Justice. This clear thinking advocate of judicial restraint is exactly what we need to take us into the 21st century. Conservatives do not specially lose with the loss of Bork; a conservative judge will be appointed.

Instead, all Americans lose with Bork's defeat. We are allowing the most qualified man for the bench slip away because of dubious political motives and petty selfish concerns. If you are Catholic, then support the Pope. If you are American, then protect the Constitution. Dissension is not what is wrong with America — hypocrisy is.

K.J. Saeger, a graduate student in the department of aeronautics and astronautics, is a columnist for The Tech.

Do it in the DARK!

Be a Tech photographer!

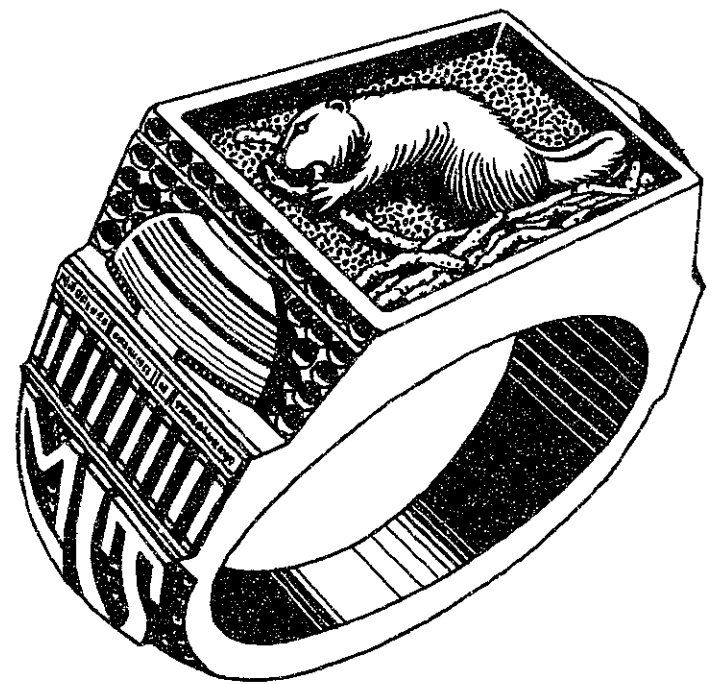


CLASS RINGS

WE'VE GOT IT!

Jostens' Gold Rush is Here!

It's time to rush for gold! Order now and save on the gold class ring of your choice. Save \$60 on 18K gold rings; \$40 on 14K gold rings; and \$20 on 10K gold rings. On Wednesday, October 7, Thursday, October 8, and Friday, October 9, Jostens representatives will be at the MIT Coop at Kendall in the Stationery Department from 10AM - 4PM. Come in and join the gold rush!



MIT COOP AT KENDALL
3 Cambridge Center
M-Fri 9:15 - 7pm
Thurs. 'til 8:30
Sat 9:15 - 5:45pm

the
Coop

Coop Charge, MasterCard, Visa and American Express welcome.

At last—a generation has found its voice.

Two years ago, Bret Easton Ellis's first novel, *Less than Zero*, became a nationwide sensation. Hailed as "electrifying" by *Publishers Weekly* and "exceptional" by *The Los Angeles Times*, it established its twenty-year-old author as a major new voice in American fiction.

Now that voice speaks again, even more compellingly than ever. In *The New York Times Book Review*, Scott Spencer describes *THE RULES OF ATTRACTION* as "maybe the first exposé of what really goes on in the coed dorms we've heard about."

"Ellis is sympathetic to his 'lost generation' the way only Fitzgerald was about his." — *Elle*

THE RULES OF

ATTRACTION

A NOVEL BY

Bret Easton Ellis
Author of LESS THAN ZERO

SIMON AND SCHUSTER
A G.W. COMPANY

How to start your law career before you start law school.

Start with the Kaplan LSAT prep course. After taking Kaplan, thousands of LSAT students score between 40 and 48. And those scores give you the best shot at getting into the school of your choice and going

on to the top firms or corporations. Call today.

KAPLAN

STANLEY H. KAPLAN EDUCATIONAL CENTER LTD.

Ace the Dec. 12 LSAT.

Cambridge	868-TEST
Boston	266-TEST
Newton Center	964-TEST

opinion

Freeze would have prevented INF

(Continued from page 4)
 Union mounted a propaganda war and, along with the European freeze movement, attempted to prevent deployment of the Pershing IIs and GLCMs while SS-20 deployment continued. Their efforts were nearly successful in a few countries, but NATO resolve endured, and deployment went ahead.

After it became clear that NATO was committed to deployment of the full complement of LRINF missiles decided upon in 1978, the Soviets accepted the global double zero option offered

by President Reagan some time ago.

The effect of this treaty would be to bring the nuclear balance in Europe to the level of the early 1970s, when neither side had LRINF missiles. In addition, the British and French strategic nuclear forces are untouched by this treaty, and these weapons bolster the Western European nuclear deterrent.

The biggest winners from this treaty will not be Western Europeans, but the Japanese and South Koreans, since the 100 or so SS-20s in Soviet Asia will also

be removed.

If the verification details and other technicalities can be successfully and satisfactorily negotiated, the treaty would make the world a much safer place. Had Western European governments bowed to the freeze movement and Soviet attempts to stop deployment of the GLCMs and Pershing IIs, the possibility of zero LRINF missiles on both sides would not have come about. Instead there would be about 400 SS-20s aimed at Western Europe and Asia and zero US LRINF missiles.

John R. Coffee G

Showing X-rated films is a deed, not a speech

(Continued from page 4)
 der the headings of the freedom of deeds, which is obviously not of the same category as the one of speech.

The freedom of thought precedes both, but since thought is wholly in the personal-internal realm, we don't need, in fact, permission to practice the freedom of it. The debate on freedom begins at the second stage, when thoughts are sent into the public exteriority. The American Constitution, and other national, social, political documents of that kind, endorse this freedom.

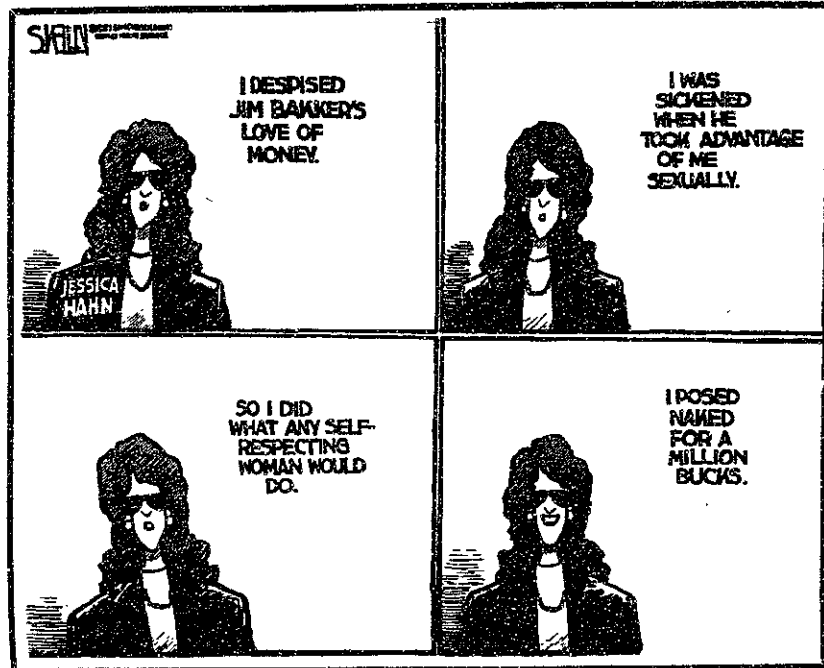
Neither the Constitution nor any similar document has ever supported the freedom of deeds. Deeds, having direct influence on somebody or something, and after having been performed are irreversible, are qualified. Speech is held as having indirect influence, enacting some deed, which has the direct influence.

The significant difference can easily be revealed in the MIT

controversy since women students were harassed following the showing of pornographic films, while after discussing the sexually

explicit ideas in public they will not be harassed or will not be afraid of being harassed.

Alexander Barzel
 Visiting Scholar



Being pregnant doesn't mean being alone.
 All services at no charge/Free pregnancy tests/Confidentiality assured.

DAYBREAK
 CRISIS PREGNANCY CENTER

1384 Massachusetts Ave., Cambridge, MA 02138 • 576-1981

Two great ways to cruise through the semester.

The hand on the left is poised on what could be the most essential part of your education.

A Macintosh™ computer.

And the hand on the right is gripping pure, simple, unadulterated fun.

A Honda Scooter. One we're giving away.

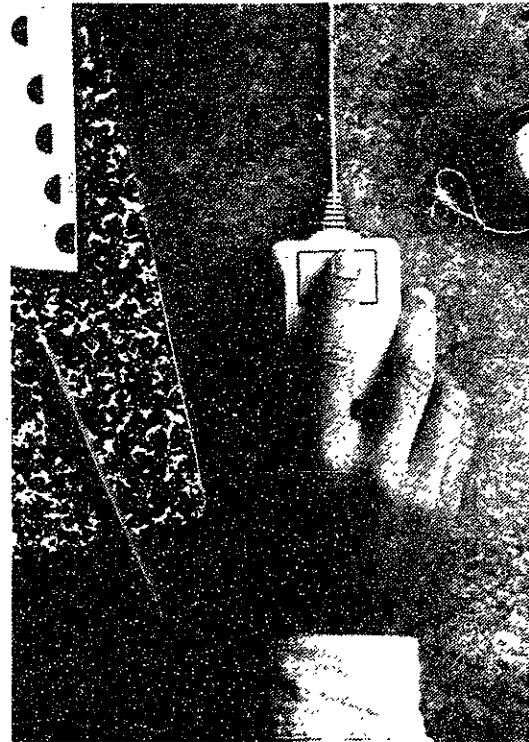
All you have to do for a chance to drive it away is visit your campus computer center and fill out an entry form. While you're there, take a Macintosh for a test drive.

Because Macintosh can help you write term papers, categorize elements of the periodic table, plot the rise and fall of pork-belly prices, compile computer code, and talk to other computers.

And the first 250 people on campus who get behind a mouse, so to speak, will receive a free Apple® memo board.

So head over to your campus computer center today. And ask about our Student Financing Program.

Who knows? You may soon find yourself cruising a little farther than you expected.



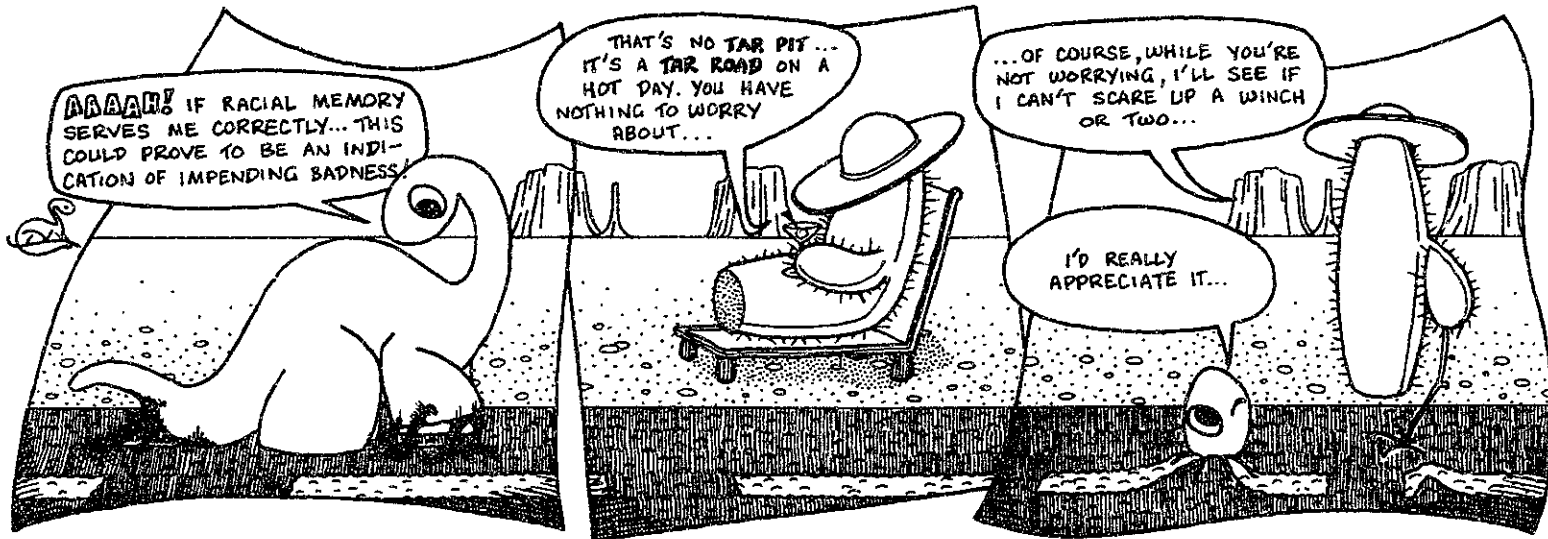
 Test drive a Macintosh. You may ride away on a Honda Scooter. 

Enter September 14 — October 30
MIT Microcomputer Center
Room 11-209
Hours: 10 a.m. — 4 p.m.

Certain restrictions apply; visit your campus computer center for complete promotional details. One free Honda Elite™ 50 Scooter will be awarded per participating school; only registered students and faculty are eligible to win. Odds of winning vary depending on size of school and number of contest entrants. No purchase necessary. © 1987 Apple Computer, Inc. Apple and the Apple logo are registered trademarks of Apple Computer, Inc. Macintosh is a trademark of Apple Computer, Inc. Elite is a trademark of Honda.

comics

By Shannon T. Zachow



Ohne

Can you make a difference,
and, at the same time
realize your full potential?

**At Chevron,
People Do.**

We do more than just explore and develop energy resources. At Chevron, innovative, concerned scientists and engineers are committed to doing more and reaching higher than expected. With technological and creative support, people at Chevron use their professional degrees as a foundation on which to build and advance their careers while making the world a little better.

We will be on campus the following dates and would like to talk to individuals with the following degrees:

**BS, MS, PhD in Chemical,
Mechanical, Electrical or
Civil Engineering
October 19th & 20th**

**PhD in Chemistry
November 12th & 13th**

Please contact the Placement Office to schedule an interview.
You have worked hard for your degree...wouldn't you like to have more than just a job?

People Do.



An equal opportunity employer.

The sublime pleasures of the New England String Quartet

NEW ENGLAND STRING QUARTET

A concert of works by Shostakovich, Beethoven & Schumann. UMass Boston, McCormack Hall. Friday, October 2.

By DAVID M. J. SASLAV

THIS WAS FINE ART, musically and visually. The blackness of Dmitri Shostakovich's memories; the black and amber color of a cello, viola, and two violins; four women, dressed entirely in black, at the helm; the entire drama set against an all-black backdrop; divine sounds emerging as if from one huge stringed instrument.

This was the New England String Quartet, performing string quartets of Beethoven and Shostakovich, then teaming with MIT's own, inimitable Marek Zebrowski to play Schumann's brilliant *Piano Quintet*, at the Harbor Campus of UMass Boston on Friday night.

Throughout the evening one was struck by the utter synchrony of the players, the exacting care with which attacks and cut-offs were executed, and the openness of the communication amongst the ensemble. No passages were undertaken without consensus, no chords were released except simultaneously.

The group's use of body movement and eye contact played an essential role in this dialogue, and the result was a consistently sublime sound, and a clarity of statement. The group's tendency to tune up between movements and a few missed notes by first violinist Magdalena Sucheka-Richter were not enough to detract significantly from these effects.

Cellist Kris Yenny maintained the most notable tone quality the evening through. She and her instrument seemed to become one and the same; her low registers exuded warmth, texture, lustre, and power, each at its proper time. Her inspired performances demanded rapt attention from the audience and strict cohesion from her colleagues.

Opening a recital with a work of Beethoven is always a gutsy move. Play poorly, your audience deserts you for the remainder of the recital; play well, and they expect equally well-played desserts later on. This particular performance of the *G Major Quartet*, Opus 18, No. 2, however, would have made Papa Haydn himself smile. Full of humor, cunning, and energy, these ladies worked all four movements to near perfection. Each line was crafted — down to the last dynamic marking, tessitura, and bowing. Each phrase was communicated — cello and viola spoke to the violins, violins replied, then all four players sang as one to the audience. And each movement was structured — Beethoven's fine, formal architectures were carefully framed for all to see vividly.

The pinnacle of the evening came with the *Quartet No. 8*, (subtitled "In memory of the victims of fascism and war") by Dmitri Shostakovich. Idiomatic folk figures combined with dark parodies of a pre-war culture, making for a memorable performance. The stark realities of Shostakovich's nightmares were given full force by each member of the ensemble. Muted strings, high harmonics, and warped tonalities were masterfully executed, the end result being a relentlessly sombre, sometimes brutal reminder of the man's potential for inhumanity.

The absence of movement breaks in this piece, combined with the intense concentration of the four performers, afforded no opportunity to leave the edge of the seat. The highest praise, no doubt, was the audience's hush at work's end; applause was withheld until after a long contemplative silence. Only as the players stood was the spell broken.

After intermission, MIT affiliated artist Marek Zebrowski joined the Quartet for Schumann's lustrous *Piano Quintet*, Op. 44. Zebrowski's approach was perfect — he refused to blare or intrude at any time with a piano part that is frequently overstated. Here, it was the strings' game to win or lose, and of course, they won.

The tempo taken for the first movement (marked *Allegro brillante*, and my favorite) was too fast; the frenetic pace seemed almost to cause some of the individual harmonies and melodies to blur. Less pedalling would have helped at times as well; even so, though, this section was taut, the momentum ubiquitous, the movement on the whole a romantic success.

The more conventionally paced second movement was at times string-sloppy, although the ensemble remained largely in synchrony, due in large part to the care taken to maintain eye contact with the others by Zebrowski. With his help the movement at least retained its poignancy.

The *scherzo* — *molto vivace* third movement, however, was a shining example of meticulous playing all around. Zebrowski's precision-crafted scales, his spider-like fingers that seemed almost never to leave the keyboard (was that a third arm that shot up to the score between sixteenth notes when the page turner blew a cue?), won

the day and provided a perfect palette for the strings' strict staccatoes.

Closing the piece and the evening was the highly intellectual movement marked *Allegro, ma non troppo*; again, taken rather faster than I am used to, but this time the increase in speed served only to add elegance and cohesion to the piece's infrastructure. A certain relentlessness (akin in a way to that sensed in the Shostakovich) marked this movement, with each connecting transition highlighted as dramatically as the connected passages themselves. Intimate yet warm, thoughtful yet debonnaire, the climactic fugue served as a final salutation to the genius of Schumann, a final ascendancy of the grand scale by these accomplished young players on this wonderful evening.

Deserving of note as well were the many MIT students who made the trip to UMass Boston to hear this concert — each took back to Cambridge the sensation of having witnessed something special.

The Tech Performing Arts Series presents... MOZART CONCERT

Pro Arte opens season with Mozart spectacular
MOZART Piano Concerto No. 21
Symphony No. 29
Symphony No. 40

KRAFT Double Play

We have a limited number of discounted tickets for the opening concert of The Pro Arte Chamber Orchestra's 1987-88 season. Sanders Theatre, Oct. 10, 8pm. Pre-concert lecture at 7pm.

Ideal for 21.60 assignment. MIT price: \$6

Tickets are on sale at the Technology Community Association, W20-450 in the Student Center. Office hours posted on the door.
Call x3-4885 for further information.

PICKER

Where High Science Comes To Life.

You're an outstanding professional who meets each new challenge with enthusiasm, dedication and your own unique combination of imagination and technical ability. You thrive on discovery—the same way we do. It's that kind of discovery that has made Picker International a company for the 80's and beyond. Products like the first digital chest radiography system, CT systems and Magnetic Resonance Imaging (MRI) have opened new horizons in diagnostic imaging.

Think about what you've done thus far. Think about the goals you've set for yourself. Think about Picker International. We can help you achieve those goals. Consider these possibilities that have been brought about by rapid growth of our MRI product line.

Performance Assurance and Evaluation Manager

Will establish testing requirements and procedures necessary to insure production of quality MR products. Also involves determining quantitative measurement of Clinical MR benchmarks and to insure compliance with pertinent regulatory and safety procedures.

Computer and Software Engineering Manager

This experienced Architect will have image processing knowledge and extensive design and coding experience with distributed processor graphics based computer system. They should also have experience with graphics display manipulation, Fourier transform and process control algorithms. Primary responsibility of this position is to provide technical input on software implementation in order to make cost effective hardware and software tradeoffs.

Sr. Staff Systems Engineer

Requires a systematic and detailed Engineer with MR knowledge. Responsibilities are to: (1) Manager multifunctional design reviews and maintain written configuration control of the total system as its performance is defined and refined. (2) Quantitatively model system and sub-system specifications and manage technical tradeoffs and interface definitions. (3) Assure the performance of the novel subsystem designs from prototype through production and (4) Support organizational requests for design specifications performance characteristics and test results.

Sr. Staff Digital Circuits Design Engineer

Requires a BSEE (MSEE ideal), 8-10 years design experience, familiarity with the NMR experiment, and demonstrated ability to recruit, build and manage a digital circuits design team. (68020, pSOS, Multibus II).

Sr. Staff RF Circuits Design Engineer

This key person with vast design and implementation experience in low noise RF circuitry, will provide technical input on requirements and implementation of pre-amplifiers, NMR spectrometer circuitry and RF power amplifier selection. The ability to lead the design of desired subsystems and/or interface with potential sub vendors is a must.

Sr. Staff Computer Architect Engineer

To provide technical input on the selection and implementation of board level components, array processor hardware, video display hardware, and archiving hardware. This key contributor must be capable of pursuing design in-house or with sub vendors. Requires considerable design and implementation experience in distributed multiprocessor, graphics-oriented, computer systems based on Motorola 68000 family.

Education and Training Specialist

An outstanding opportunity for a proven technical writer with an MS Physics or Chemistry, strong communication skills, and knowledge of NMR and MRI to create new educational and training materials used primarily by Physicians and Technologists. Other significant responsibilities include writing and editing articles for the Clinical Science Newsletter and designing new audiovisual material.

Regional Clinical Scientists

These individuals will work at our Clinical Science Center and on-site with our new research partners in contributing to the long-term development and application of MRI. We require a PhD Physics and Physical Chemistry, imaging and MRI experience, a proven track record in research.

Sr. Staff Scientist

An individual contributor in the area of data acquisition schemes and processing for MR imaging/spectroscopy. The major focus is to develop data acquisition methods to reduce artifact. Requires a complete MR Physics background, 2-5 years experience in NMR data reconstruction and image processing techniques and high-level computer programming proficiency.

Sr. Staff Physicist (Magnets)

To assume project and technical leadership in our Math/Physics Group for the areas of gradient coil design, magnetic design, and interface with magnet vendors. Requires an advanced degree with research and design experience in Electromagnetics.

Application Specialists

Requires high caliber registered RT's with four (4) years clinical diagnostic imaging experience (2 in MRI or CT). Responsibilities as a member of the Clinical Science staff includes MRI Training Course involvement, site visits, customer support and contact and marketing support (image preparation, show demonstrations). There are several locations across the U.S.A.

Software Engineers (MRI, CT, X-ray, Nuclear Medicine)

The need is for Senior, Principal, Staff-level Engineers who will design, develop, implement, debug, integrate and document real-time control and image processing software for diagnostic imaging systems. The successful candidates will have experience or education in real-time software system development and integration. They will have a working knowledge of the "C" programming language as well as a broad range of experience with software development tools, particularly in a VAX/VMS support environment. Experience with Motorola 68000 microprocessor family and real-time system implementations using the 68000 as a target machine is desired, but not necessary. Previous experience with Hewlett-Packard 64000 development hardware is a plus.

We offer excellent salary and benefits, including relocation assistance. If you are qualified and ready to advance your career, please send your resume in complete confidence to:

Ernie Jones
NMR Human Resources Manager
PICKER INTERNATIONAL
595 Miner Road
Highland Hts., OH 44143

We Are An Affirmative Action/Equal Opportunity Employer M/F/H



PICKER

ARTS

Powerful drama from witness of Chernobyl aftermath**SARCOPHAGUS**

A new play by Vladimir Gubaryev.
Translated by Michael Glenny.
Directed by David Chambers.
Starring David Brisbin
and April Shawhan.
Yale Repertory Theatre, New Haven.
Through October 10.

By JULIAN WEST

CHERNOBYL WAS SUPPOSED TO BE a showpiece. It was destined to be the largest power plant in the world, incorporating the most modern equipment and safety features. But, Lucifer-like, the best and the brightest fell. On April 26, 1986, a gas explosion blew off the top of reactor number four, killing 31 people, and forcing the evacuation of 100,000. Increased radiation levels were detected throughout Europe.

As the science editor of the Soviet newspaper *Pravda*, Vladimir Gubaryev was one of the first journalists to visit Chernobyl and the surrounding area. Unable to convey his personal reaction in his newspaper articles alone, he turned to the theater to help "bridge the distance between myself and my readers."

His powerful, human appeal has been an enormous success in several Soviet cities and elsewhere in Europe. September 18 marked its North American debut — on both coasts. *Sarcophagus* was considered to be sufficiently important that separate productions opened simultaneously in Los Angeles and New Haven.

Fortunately, the Yale Rep proved to be entirely capable of handling the honor. Their production is solid but not showy, a simple approach which allows Gubaryev's text to show through effectively.

The action of the play takes place entirely in a special Moscow hospital for radiation victims. It has room for ten patients, each isolated in special rooms with modern monitoring equipment. Panels outside each room and at the nurse's station allow the staff to keep track of all of their patients. It is, like Chernobyl, a showpiece,

and it is occupied by exactly one patient.

This privileged individual is a medical miracle, having taken what ought to be a lethal dose of radiation when he fell asleep in a laboratory in a drunken stupor. Not only has he survived the incident, and a string of transplant operations, by 16 months, but his sense of humor has survived as well.

David Brisbin portrays this man without a past with a brilliant playfulness, which nevertheless shows that he understands the gravity of the situation. Doomed to live out his days in the hospital, he has cut himself off from his past and abandoned his name, preferring to be called "Bessmertny" — "Immortal."

Living with only the doctor for company, he flirts with her outrageously. His life has become, for him, no more or less puzzling than his daily crosswords. His comic relief is disturbingly irrelevant: one of his best lines is "it must be serious, nothing's been on the radio."

April Shawhan, too, is excellent as the doctor, Anna Petrovna, whose professional efficiency is colored by a human concern and compassion. She is happy with her job, with its modern facilities. She is also pleased, of course, with the lack of critically injured patients, scientifically frustrating though it may be.

All that is about to change. The telephone rings and Anna Petrovna answers calmly. There has been an "accident" at Chernobyl. Together with three rookie nurses who happen to be getting a preliminary tour, she is about to be inundated with badly irradiated patients.

The ten rooms fill up with nine new patients, who form a cross-section of Soviet society. Each has, for one reason or another, been particularly badly hit by the radiation from the damaged reactor.

Many, if not all, of the characters seem to have been based on real people Gubaryev met as a reporter. Most important among them is the director of the power plant (David Little), whose mismanagement was partly responsible for the safety

(Please turn to page 11)

**O'CONNOR & ASSOCIATES**

CORDIALLY INVITES YOU TO ATTEND OUR
PRESENTATION & RECEPTION

Unique Opportunities in Arbitrage, Trading & Quantitative Research for Graduate Students

Thursday, October 8, 1987 at 6:00 P.M.
The Charles Hotel at Harvard Square - Conant Room

O'Connor & Associates is the leading firm in one of the fastest growing and most profitable areas of the securities industry -- options and futures trading.

A private partnership, O'Connor & Associates is a high-tech mix of trading house and research lab. The firm is recognized as a pioneer in the application of sophisticated analytical techniques for valuing and trading derivative securities.

O'Connor specializes in the valuation of options on equities, debt securities, foreign exchange and commodities using internally developed mathematical models. Our activities also include risk arbitrage, index arbitrage and convertible securities trading. O'Connor possesses the financial resources, expertise and aggressive plans to exploit new market opportunities worldwide.

If you have an interest in becoming part of an exciting, innovative and growing area of financial trading opportunities and you seek an environment where you have the ability to shape your future, plan to attend the O'Connor presentation.

For more information on interview schedules, contact your Placement Office.

Equal Opportunity Employer

Chicago

Amsterdam

New York

London

Philadelphia

Stockholm

San Francisco

**“After Four Years
In The Classroom,
I Was Ready To Build
Computer Systems.**

**After Two Years
At Data General,
I Have.”**

Ask the college graduates who have chosen Data General and they'll tell you their careers happened fast. We put real work on your desk and advanced tools in your hands. You'll be part of a small team. Working on big projects. Learning from leaders, not books.

At Data General, we are very busy designing the best products in the computer business. Portables and superminis. Industry standard UNIX™ and fiber optic WANs. State-of-the-art products you can put your name on.

Look For Us On Your Campus

Ready to stop thinking about it and start doing it? Talk to a Data General representative about opportunities in these areas:

- CPU Design
- Operating Systems

- Communications
- Office Automation
- Software Support
- Language Development
- Technical Workstations
- Terminals and PCs
- Mass Storage Engineering

Look for our sign-up sheet in your placement office. Or write to Data General, Corporate College Relations, 4400 Computer Drive, Westboro, Massachusetts 01580.

Investing in people to make equal opportunity a reality.

 **Data General**
Careers a Generation ahead.

ARTS

"We could have run away but we didn't. . ."

(Continued from page 9)

system being shut down at the time of the accident. More details came out: he allowed a banned, inflammable, substance to be used as roofing for the control room, because "we had a lot of it in stock," and after the accident he drove his children to safety before reporting the explosion.

There is also a geiger counter operator (Frank Savino) who did not believe his own readings, sending another worker (Tom McGowan) to work by the exposed reactor core.

A heroic fireman (and there were many at Chernobyl in reality) performed his duty despite the danger; as played by Steven Skybell, he puts a brave face on his injuries, and even begins to clumsily woo one of the nurses. Similarly heroic is a physicist (Yusef Bulos) who stayed to gather data; he realizes his data is valuable and irreproducible, and is desperate to publish before perishing.

An incompetent general (Clement Fowler) and his driver (Stephen Mendillo) drove up to the reactor after the accident; a sullen, angry cyclist and a peasant woman were innocent bystanders in the wrong place at the wrong time.

As the nameless characters pile in, we begin to realize the cleverness of Craig Clipper's stage design. The ten "cubicles" are displayed in two tiers of five doors each, with a staircase on one side providing access to the upper level; entries and exits are through a central corridor. We soon learn to identify the characters not only by occupation but by room number, and the openness of the set allows for many things to occur in different areas in quick succession.

Flashing lights outside the cubicles draw our attention to individuals displaying symptoms of radiation sickness. The tidy display of doorways, also, provides graphical information — the lights are dimmed one by one as the characters begin to die.

So much is going on so quickly, as the skeleton staff is nearly run off its feet, that the deaths are made almost incidental. The doctor emerges from a cubicle, and resignedly dims the lights. In particular, the death of the fireman, minutes after he protested his perfect health, is not even alluded to verbally. This makes it all the more chilling.

Michael Glenny's translation is powerful and natural. It is so good that we might forget that this is a translation, especially as it is on a subject which concerns us all.

But the Russian origin of the work comes through consistently in the issues it stresses and the way in which it views them. The play is preoccupied with domestic issues, including the openness of Soviet society. As a result, it provides — for us outsiders — a glimpse inside the Soviet Union, an inkling of what might still be wrong with the system, as well as an examination of what went

wrong at Chernobyl in particular. Afghanistan, alcoholism, and *glasnost* each get a mention.

The major concern is not the policy of nuclear power itself, but the incompetence and corruption dormant in Soviet bureaucracy. This is a serious issue: one year after Gubaryev wrote *Sarcophagus*, the director of the plant was sentenced to ten years for his mismanagement.

The condemnation of the guilty is obvious in the text, as the characters round on the incompetent director, who seems destined to survive. It is voiced best by the control-room operator who deliberately walked into the jaws of death: "we could have run away but we didn't — you find out (what went wrong), or we are going to die here for nothing."

The Leading Edge Model "D"

Back - to - School SALE

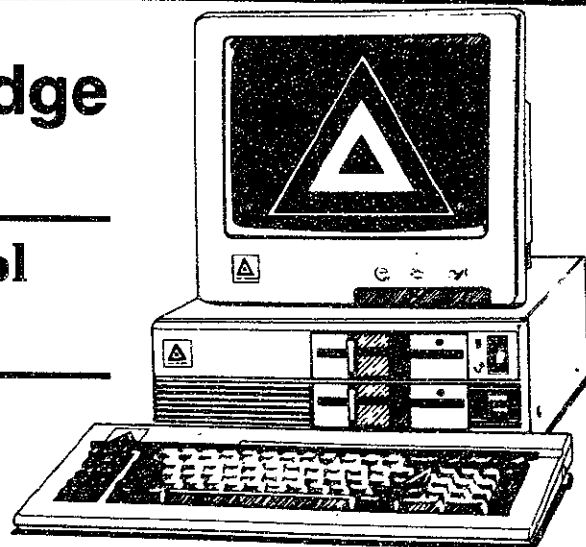
Special Student Pricing on all systems:

Dual Floppy System	20 MB System	30 MB System
\$1095.00	\$1395.00	\$1495.00
now \$895.00	now \$1095.00	now \$1195.00

Systems incl. — High Res. monitor, keyboard, MSDOS, GWBASIC, Word Processing, Spell Check, 20 month warranty

15% OFF ANY PRINTER

Leading Edge is a trademark of Leading Products, Inc.



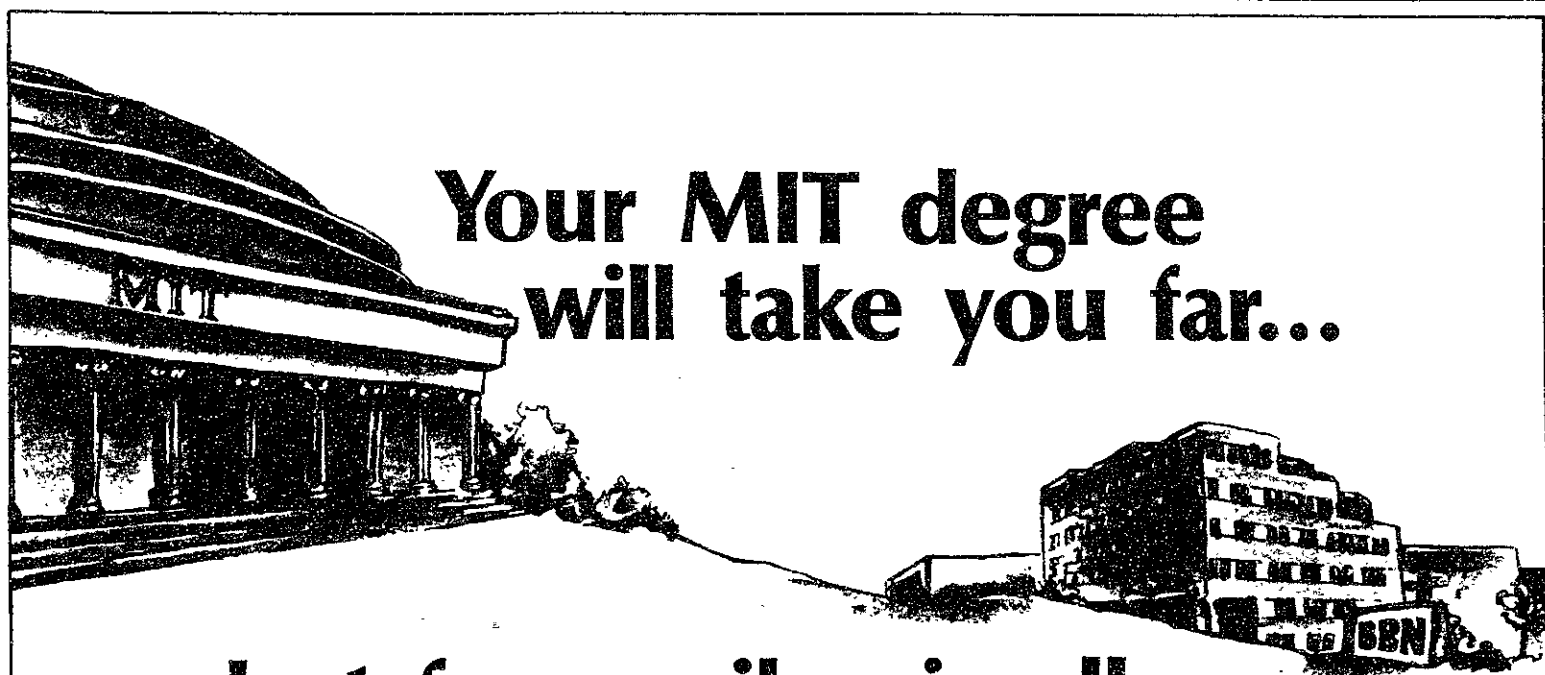
INTERTECH

Compatible Computers

450 Washington Street
Dedham, MA

Call: (617) 461-0500

LEADING EDGE 
Authorized Value-Added Dealer



Your MIT degree will take you far...

but four miles is all you'll have to go.

From Kendall Square to Fresh Pond Circle. From MIT to BBN. Only four miles in distance, but it could mean light years for your career in science or engineering. BBN is one of the world's leading centers for research and development in computer, information, and physical sciences technologies including artificial intelligence and expert systems, automated systems, communications technology, educational technology, distributed operating systems, experimental psychology, life sciences, simulation and training systems, speech signal processing, architectural and environmental acoustics, structural mechanics, and underwater acoustics. And we do more than R&D. We're also a market leader in integrated wide-area communications networks, high performance computers, and computer image generation systems. And we've developed software for scientific, manufacturing, and engineering research unmatched in the industry (our RS/1 package is used in Project Athena).

We'd like to introduce ourselves, show you around, and let you talk to some of the MIT grads who've made the move from Kendall Square to Fresh Pond Circle.

So if you're an electrical engineering, physical or computer sciences major, come see what a four mile trip could mean to your future. We'll even drive.

VISIT BOLT BERANEK AND NEWMAN (BBN)

Thursday, October 15, 1987 OPEN HOUSE for MIT Students

Time:	3:00-5:00 PM
Transportation:	2:30 PM pickup in front of the Administration Building Main Entrance on Mass. Ave. (Bus Transportation provided by BBN)
Location:	70 Fawcett Street, Cambridge
Sign-up:	Office of Career Planning and Placement by Tuesday, October 13th.

For further information, call Lesley Sullivan at BBN, 497-2563.

Bolt Beranek and Newman Inc.

Do You Have Asthma?
We are paying for people to participate in on-going research studies in asthma at the Beth Israel Hospital. If interested Please call: 735-2676.

Drug testing policy accepted

(Continued from page 1)

Steroids are the biggest problem, Grace said. He added that since alcohol is not on the list, it is probably abused more but cannot be easily detected.

NCAA policy controversial

According to Meldman, the NCAA policy has come under scrutiny since it brings up conflict of privacy. Flippen however provides an alternative. "I don't think that NCAA drug testing is illegal search and seizure, because a person has a choice. This is a rule within the NCAA. Athletes can choose not to go into NCAA games," he said.

According to Grace, students have an option of not participating in the NCAA. Cross-country team member Dave Afshartous '89 said, "Since we are a member of the NCAA, we must abide by their rules. If we don't like their

rules, we always can discontinue our membership. I'm not forced to do anything I don't want to."

Meldman pointed out that concerned students can speak anonymously with the Committee on Privacy. The committee wants to make sure that the privacy of students is protected, Meldman explained.

"The interim policy is pretty protective. It is the best we could do without challenging the NCAA in court," he continued. If drug testing were to be found a violation of privacy, another alternative is to leave the NCAA, Meldman said.

But according to Flippen, withdrawing membership wasn't then and isn't now an option worth considering. "That would be foolhardy," he said.

The purpose of the interim was to make MIT athletes aware of

what was going to happen to their test results. "Our athletes are well-educated and have information before them," Grace said. "We have a policy we believe in," Flippen added. The goal of the NCAA was to make athletes and others more aware of the dangers of drugs.

"I think it definitely has made drugs in athletics a national issue," Flippen commented. "The NCAA has been criticized for being invasionary, but it has taken leadership in a very critical problem. The problem is more recognized, understood, and addressed as a result of NCAA legislation,"

Get one dollar off any drink when you order your **BULL FOOT STEW**

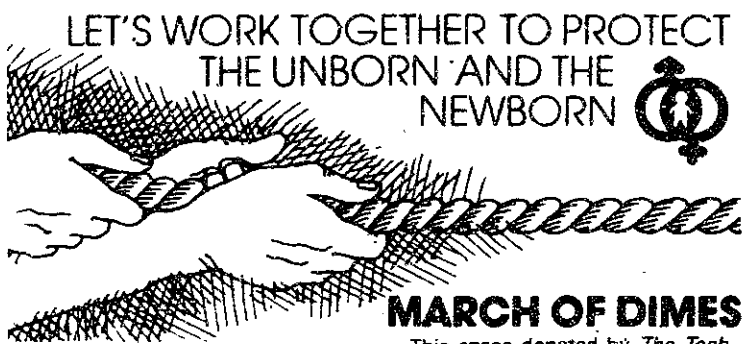
or any other selection from our lunch menu, including: fresh tuna sandwiches, char-grilled burgers, hammered, boiled stewed and curried conch, or an 8 oz roast beef plate, with mashed potatoes and ham hock gravy. full bar, parking next door

Green St. Grill at Charlie's Tap,
280 Green St. Central Square

492-9723, 876-1655

We are open for lunch tuesday through friday, 11:30 to 2 a full dinner menu is available from 6 to 10 tuesday through sunday.

discount offer good only with this ad, one per customer, expires 11/1



This space donated by The Tech

The Saddlebrook Corporation provides lending, financial and integrated systems to the thrift, mortgage and commercial banking institutions. If you're a high energy person seeking a challenge, we'd like to hear from you.

SYSTEMS PROGRAMMER

This is a rare opportunity for a talented individual to join our technology group. You will be part of a team that will be working on our newest state-of-the-art development efforts. You must have experience in C programming; database management systems experience and the VMS operating system is desired.

If you are interested in challenging yourself, while at the same time making a commitment, this is a great opportunity for you.

We offer excellent salaries and a chance to grow professionally in our expanding market. Please send your resume to Barbara Siegfriedt, The Saddlebrook Corporation, 101 Main Street, Cambridge, MA 02142, or call us at (617) 661-8170, ext. 607. An equal opportunity employer.

SADDLEBROOK

TECH CATHOLIC COMMUNITY

Welcomes You!

Mass
Sundays 9-12-5
MIT Chapel

"We went to the movies for a Whodunit and ended the night with a Watch A Ma Call It."

Call it whatever you like, but call it a meal. Start with a Cheese N' Cheese deep dish pizza and choose your fillings. Like more cheese, more sausage, mushrooms, garlic or olives. Broccoli, peppers, onions or anchovies. The Watch A Ma Call It. Just one of the extraordinary experiences at Uno's.



CHICAGO'S ORIGINAL DEEP DISH PIZZA

Faneuil Hall Copley Sq. Kenmore Sq. Harvard Sq. Allston Park Sq.

HOSIERY

Stand tall with Hanes Isotoner Pantyhose

20% OFF
25% OFF
with the purchase of six or more

• Silky Sheer Pantyhose
Soft comfort with the silky feeling.
Reg \$3.75 **SALE \$3**
Purchase of six or more \$2.80 ea

• Control Top Silky Sheer Pantyhose
Control top panty with silky sheer legs.
Reg. \$4.50 **SALE \$3.60**
Purchase of six or more \$3.35 ea

• Silky Light Support Pantyhose
A hint of massage with a touch of silk.
Reg \$5.25 **SALE \$4.20**
Purchase of six or more \$3.90 ea

All styles available in the following colors: frost, linen, teak, black tie, and silver cloud. Available in sizes 1, 2, and 3.

HARVARD SQUARE
Cambridge
M-Sat 9:20-5:45pm,
Thurs 'til 8:30

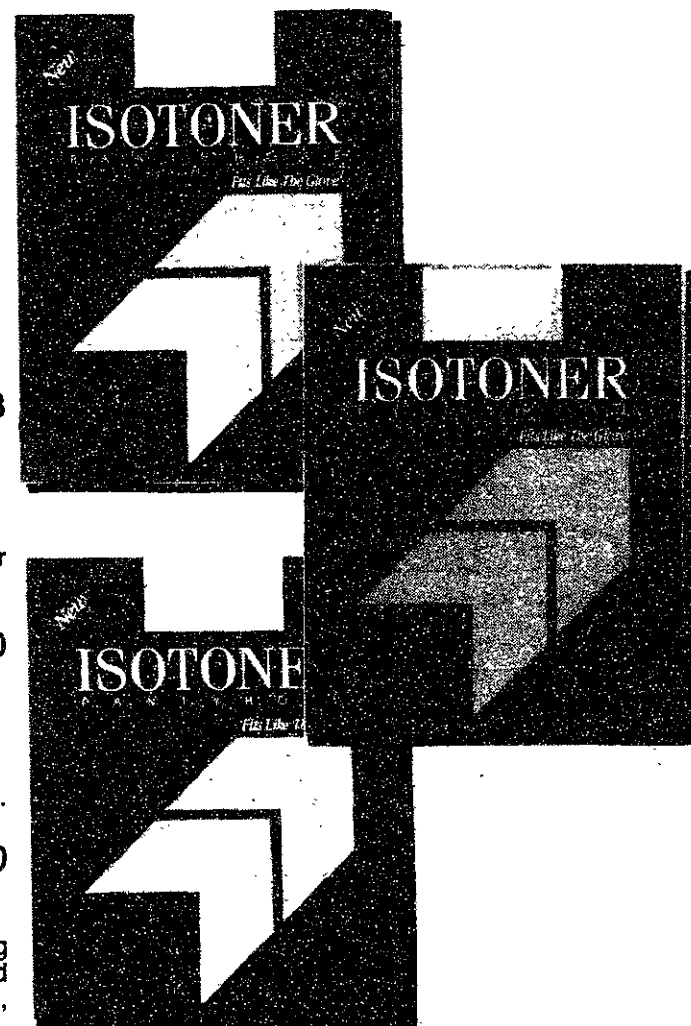
MIT COOP AT KENDALL
3 Cambridge Center
M-Fri 9:15-7pm,
Thurs. 'til 8:30
Sat 9:15-5:45pm

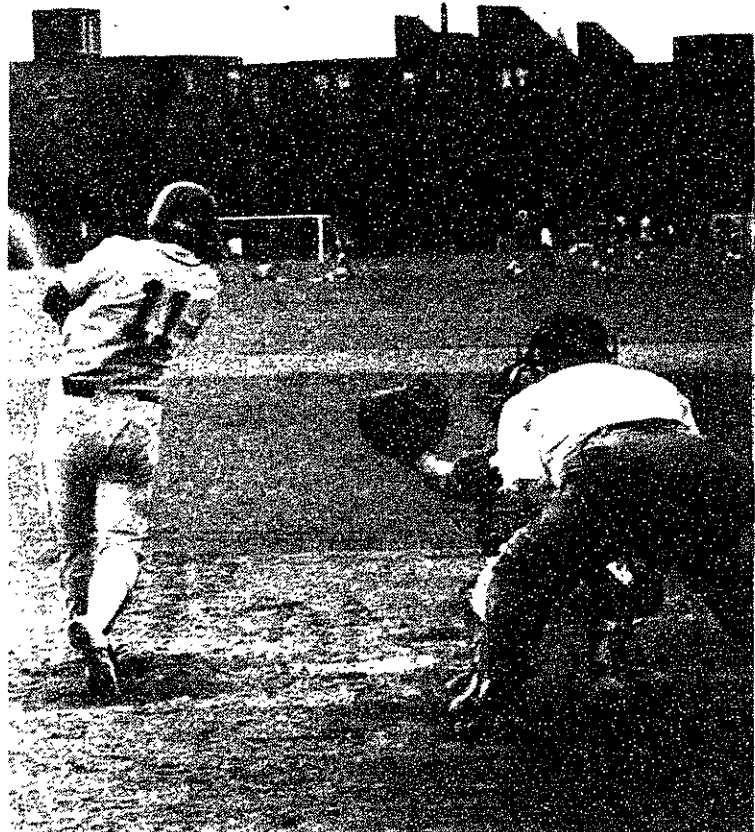
COOP AT LONGWOOD
333 Longwood Ave.
M - Fri 9:15-7pm,
Thurs 'til 8:30,
Sat 9:15-5:45pm

PARK FREE IN HARVARD SQUARE* 1 hr Church St lot or 2 hrs University Pl. or Charles Sq. garages. PARK FOR \$1 AT LONGWOOD* Behind Coop after 5pm and all day Sat.

*With \$5 minimum Coop purchase; validate sales receipt at Coop Cashier's desk.

Coop Charge, MasterCard, Visa and American Express welcome.





Ken L. Church/The Tech
Mike Murray '90 swings at the ball in Saturday's game. The Engineers defeated BU, 5-1.

UA focuses on frat R/O problems

(Continued from page 1)

er issues with which the UAC is concerned, but these areas either fell under the jurisdiction of standing UA committees or did not lend themselves to an active role for the UAC, Davidson reported. These areas are ARA — MIT's food service management company — education reform, tenure policy, and physical plant.

There have been a lot of problems and complaints about MIT's food service, and a UAC working group will address the issue, Davidson said.

Student Committee on Educational Policy Chairman Jonathan N. Katz '90 reported that the committee is working on a follow-up report by SCEP on the Humanities, Arts, and Social Sciences requirement. It would recommend, among other things, that there be two students on each faculty education reform

committee, he said. He noted that a critical area educational reform will focus on this year is the freshman year, especially pass/fail and the science core.

MIT's criteria in granting tenure has been a matter of controversy for several years. Rodriguez cited the recent case of Professor Ruth Perry, who was denied tenure last spring but won an appeal this summer.

There is talk in the administration about renovating classrooms and other facilities, Davidson continued. It would be good if there was some space where students could "hang out," he said.

The UAC also appointed members to the UA Executive Board. The ExecBoard members are Howard J. Eisen '89, Katie H. Hays '90, Thomas P. Knight '90, and Derek Mayweather '91. The UAC elected them from a field of eight on a preferential ballot.

The UA president, vice-president and floor leader also serve on ExecBoard.

THE FAMILY SUGGESTS THAT MEMORIAL CONTRIBUTIONS BE MADE TO THE AMERICAN CANCER SOCIETY.

This space donated by The Tech

"ARABS and ISRAELIS: Prospects for Peace, Prospects for War"

by

Dr. William B. Quandt

- Brookings Institution
- Former Adviser, National Security Council

Tues., Oct. 6

4:30 p.m.

E51-332 (Schell Rm.)

(open to public)

Sponsored by: **Bustani Middle East Seminar,**
Center for International Studies, M.I.T.

Contact Lenses
Eye Exams
Designer Frames

Drs. Traudi Miller, O.D.
Gary Moss, O.D.

NEW ENGLAND EYE CARE

205 Harvard Avenue
Allston, MA 02134
On the MBTA Green Line
at Commonwealth Ave.

232-0222

Eve. & Sat. Hours

\$ 20 STUDENT DISCOUNT

on contact lens fitting and service policy or glasses with exam. (With this ad)

MC/VISA

Over 25 Years of Breakthrough Technology

For over 25 years, we have been investing our time and resources in the future of biotechnology. Today, our investment is paying off with outstanding career opportunities in this rapidly expanding field. Collaborative Research is a leader in the development, manufacture and marketing of biotechnology products and services for healthcare and industry. If you would like to learn more about what our investment can mean for your career, contact us about this opportunity.

Biochemical Engineer/ Cell Biologist

(Yeast/Mammalian Cell Programs)

We seek individuals to strengthen our fermentation development program in the areas of recombinant mammalian cell and yeast expression systems. Specific duties will be to conduct medium development and fermentation studies on new host/vector systems. Successful candidates will have an MS or BS in Biochemical Engineering or Cell Biology with significant course work in Cell Biology, Biochemistry and Microbiology. Familiarity with tissue culture and/or fermentation experience is required.

To apply, please forward resume to Collaborative Research, Inc., (T10), Human Resources Department, Two Oak Park, Bedford, MA 01730. An equal opportunity employer.

Where new technologies come to life

Collaborative Research Incorporated.



リクルートからの
メッセージ

求ム!

日本語話ス
新国際人

1960年創業以来、リクルートは常に独創的な情報関連ビジネスを展開してまいりました
今年も、日米間を結ぶ国際RCSも開始します
日本で、アメリカで、リクルート流の、そしてあなた流のビジネスを試す時がきています 株リクルートは今、新国際人を求めています

Date: October 6, 4pm to 8pm

Place: Room 4-149

Recruit Co., Ltd., Informational Meeting for Bilingual (English/Japanese) Students

お問い合わせは

RECRUIT U.S.A., INC.

725 S. Figueroa St., 31st Floor
Los Angeles, CA 90017

担当: 伊藤

TOLL FREE
California (800) 423-3387
Other (800) 325-9759

ELECTRONICS

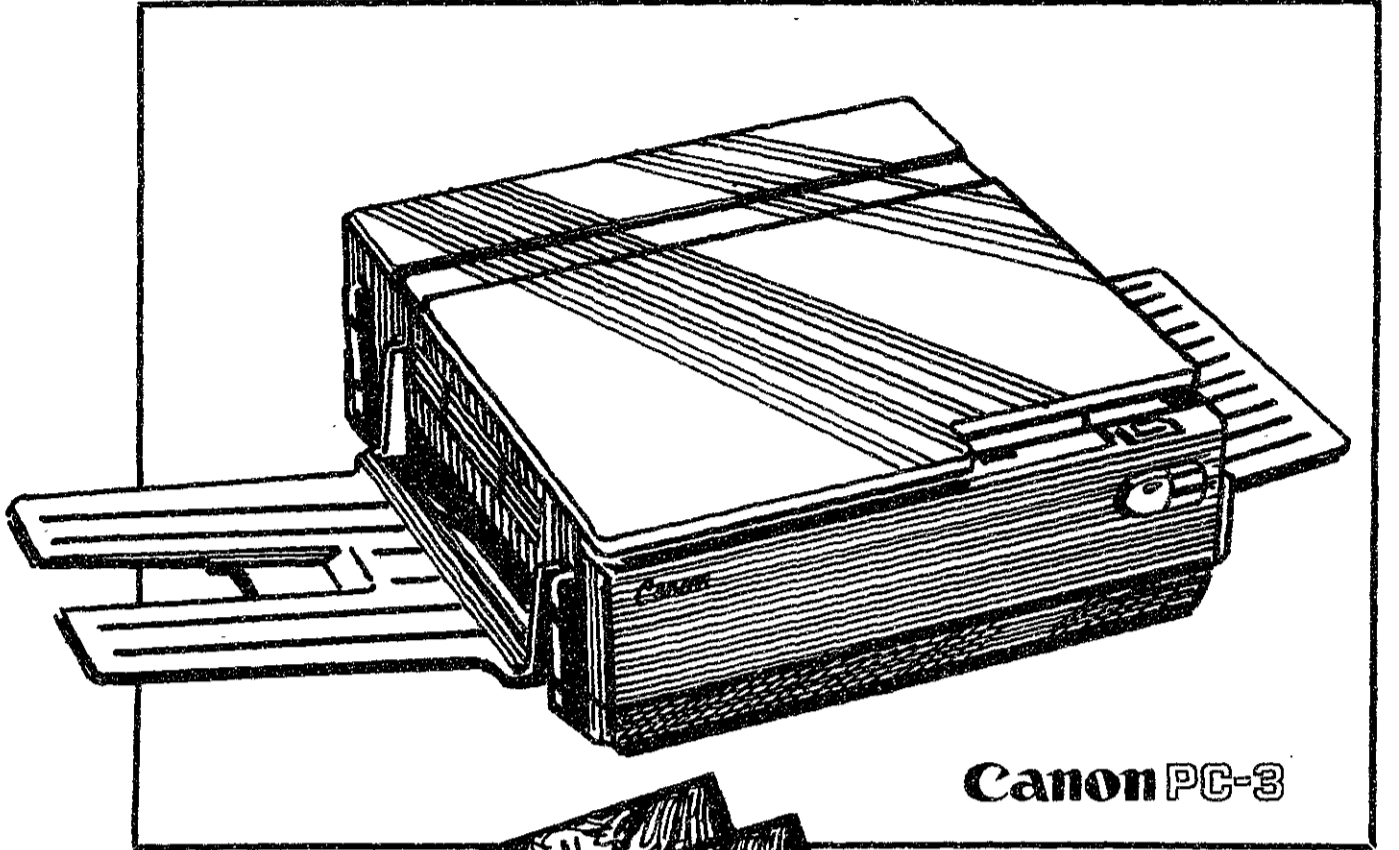
WE'VE GOT IT!

Save on Canon, Aiwa, and Panasonic

Canon PC-3

The lightweight personal copier from Canon that can handle heavyweight jobs. Weighs just 25.5 pounds in a compact, easy-to-store design. 5 3/8" h x 14 3/8" w x 16 3/8" d Reg \$599

SALE \$499



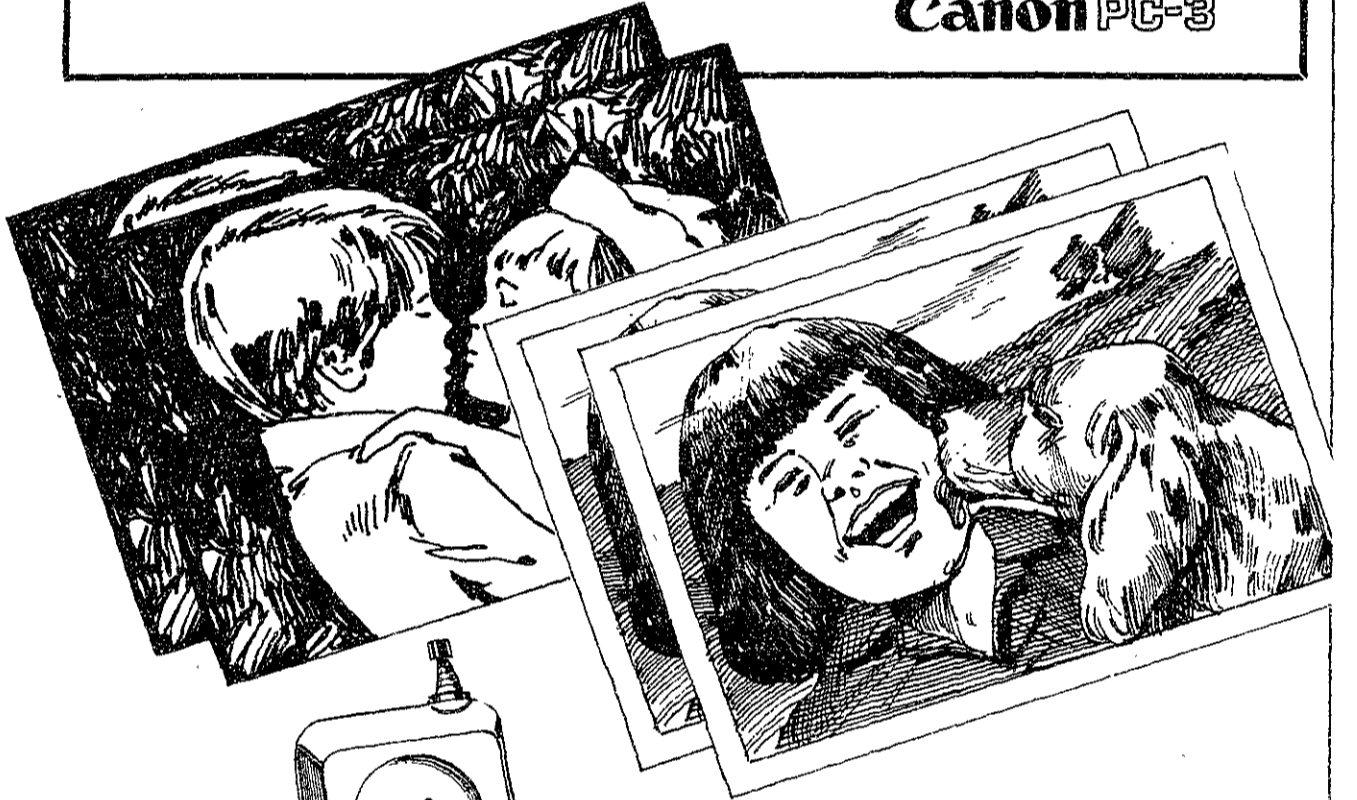
Canon PC-3

Canon PC-3 copier cartridge (not included)
Reg 79.99 **SALE 59.99**

DOUBLE PRINTS PLUS FREE FILM WITH PROCESSING!

Receive double prints and one free roll of film when you pay for the developing and printing of any 24 exposure color film using the Coop's own processing. Offer good on 35mm 100 ASA 24 exposure, 110-24, or disk film.

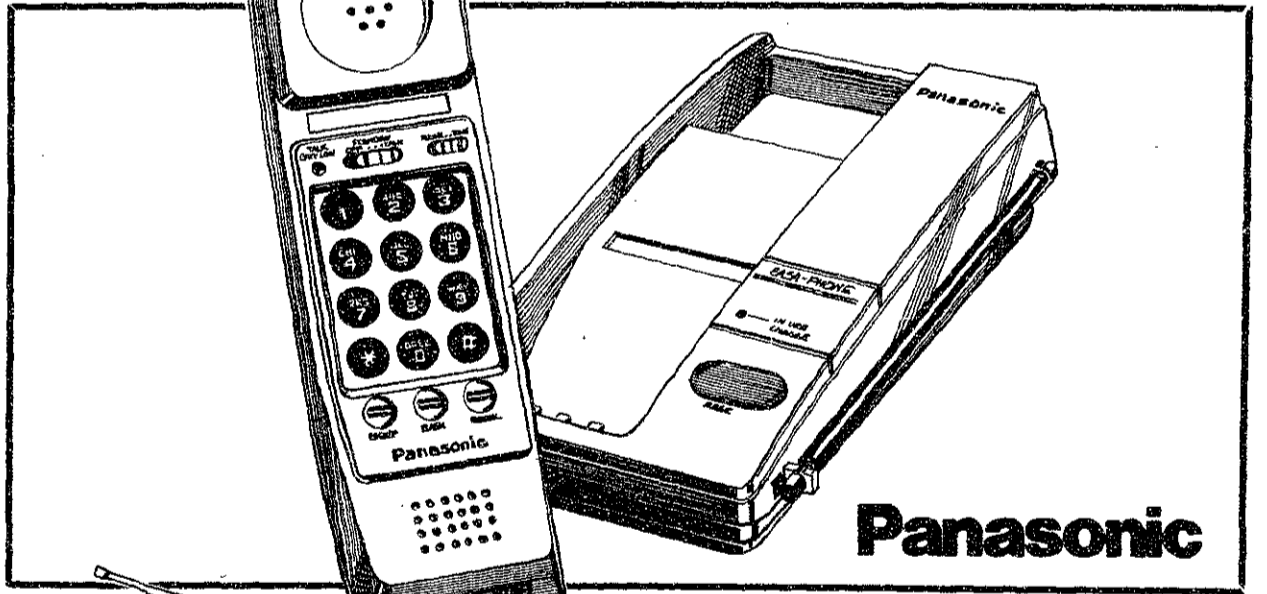
Offer good through October 10th.



Panasonic Cordless Phone

No more running to the phone! Make or take your calls within a 1000 foot range. Features 2-way paging, security code system, auto redial and a switchable tone/pulse. Reg. 89.99

SALE 79.99

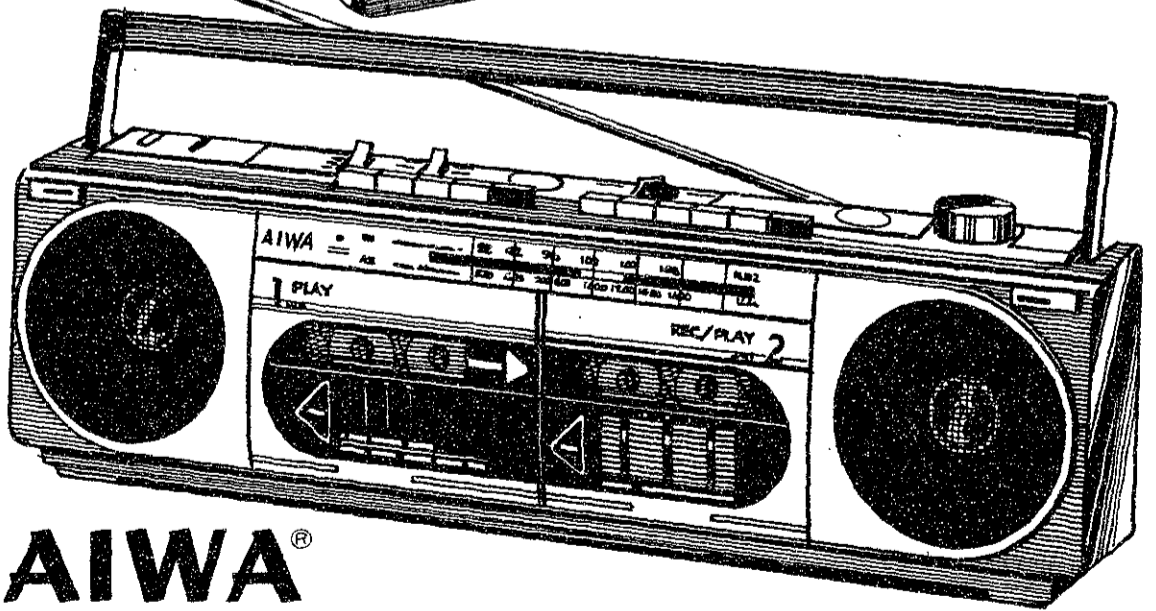


Panasonic

Aiwa Transportable AM/FM Cassette Stereo

Tune in to big savings with this Aiwa transportable double cassette stereo. Features double speed editing, 3-band graphic equalizer and automatic loudness control. Reg. \$110

SALE \$89



AIWA®

HARVARD SQUARE
Cambridge
M-Sat 9:20-5:45pm,
Thurs. 'til 8:30

MIT COOP AT KENDALL
3 Cambridge Center
M-Fri 9:15-7pm,
Thurs. 'til 8:30
Sat 9:15-5:45pm

DOWNTOWN COOP
1 Federal St.
M-Fri 9:15-5:30pm

COOP AT LONGWOOD
333 Longwood Ave.
M-Fri 9:15-7pm
Thurs. 'til 8:30,
Sat. 9:15-5:45pm

PARK FREE IN HARVARD SQ* 1 hr Church St lot or 2 hrs University Pl or Charles Sq garages. **PARK FOR \$1 AT LONGWOOD*** Behind Coop after 5pm and all day Sat.

*With \$5 minimum purchase: validate sales receipt at Coop Cashier's desk.

Coop Charge, MasterCard, Visa and American Express welcome.

**the
Coop**

Role of media in elections debated

(Continued from page 1)
 candidate's poor judgement could be an important issue.

The problem, Brady said, is not the press itself, but rather a presidential nomination process that brings out the worst instincts of the press. The press, he said, displays a "herd instinct." As reporters learn that one newspaper is going to print a story, they all try to get the story as well, leading to an "inflated importance of the event."

Turner contended that, although the media may have covered Dukakis' negative campaign more than the event actually warranted, the story was interesting because Dukakis had chosen a "holier-than-thou" stance for his campaign and claimed to live by a certain standard. Yet the governor hesitated in accepting Sasso's resignation, Turner said. Moreover, the story raised questions concerning Dukakis' claims to being an effective "hands-on" manager, he said.

The press mostly reports on viability — how likely a candidate is to win, according to Brady. He claimed that the press treats the campaign as a "horse race" heavily influenced by expectations. For example, in the 1984 Iowa caucus, Hart only collected 15 percent of the vote compared to Walter Mondale's 45 percent, yet the United Press International nearly doubled its coverage of Hart in the aftermath as he had done much better than expected.

Brady also found in some of his studies that the public knows more about a candidate's character and viability rather than about policy issues. In light of this, one event now seems to be enough to force a candidate out of the race, he said.

Turner conceded that the press pays too much attention to the viability of political candidates, but he also believed that there is a lot of coverage on policy issues, and that the press tends to follow

the voters rather than lead them. He described how, in 1984, Sen. John Glenn (D-OH) had failed to organize his political campaign, leaving the voters uninterested. The press coverage of Glenn, in turn, reflected this, Turner claimed.

He also explained that the events that forced Hart and Biden out of the race had not been isolated. There had been questions concerning Hart's character before *The Miami Herald's* story on his relationship with Donna Rice, he said.

Biden, moreover, had not been forced out of the race solely because of one videotape. Turner described how Biden borrowed from other political speeches without attribution, plagiarized in law school, and lied about his position in his law school class, the number of degrees he had received as an undergraduate, the type of scholarship he had received, and winning an award for achievement in political science.

Physical Plant is always on duty

(Continued from page 2)
 and the number of its employees decreased from 700 to 580.

The organization is divided into three groups: services and maintenance, building operations, and renovations.

The services and maintenance group, employing over one-third of all Physical Plant employees, is comprised of the groundsmen, custodians, carpenters, locksmiths, and painters.

No matter what time of the day you are up, you will likely encounter a member of the services and maintenance group.

The group works in three shifts: the day shift, the evening shift, and the night shift, which runs from around midnight to 7 am.

The day shift gets the job of distributing all of MIT's mail. Considering MIT receives about 100,000 pieces of mail every day, day workers have quite a job on their hands.

The evening and night shifts clean up all of MIT.

In the building operations group are the electricians, plumbers, mechanics, and operating engineers.

The renovation and construction group consists of the architects and the engineers. Barret described this group as being like a small architectural and engineering firm.

The 70 to 80 renovation projects this group undertakes every year usually run from \$5,000 to nearly a million dollars. For the larger projects, it contracts outside architects and monitors their progress. The architectural group is also working on the planned graduate dorm on 143 Albany Street.

Presently Physical Plant is working on the tennis courts in front of Baker House. It is changing the formerly clay courts into hard courts. MIT believed that hard courts would be more appropriate for competition with other schools, Barret explained.

Physical Plant works "reasonably well," considering that it is in charge of about 9 million square feet of land and over 110 buildings, Barret commented.



Mauricio Roman/The Tech
 Mina Gupta '90 fights for the ball in Saturday's game vs. Clark. MIT lost, 3-0.

GAY AND LESBIAN GRADUATE STUDENT COFFEEHOUSE

WHEN: TUESDAY, OCTOBER 6, 4-6 PM
 WHERE: 50-306, WALKER MEMORIAL

SPONSORED BY THE GRADUATE STUDENT COUNCIL

When you want to find your Higher Self let the experts show you how



The Ascended Masters are not just people who happen to be on the other side. They are extraordinary individuals who have spent many lives on earth, overcome their karma and ascended to God.

Now they want to help us. They come with teaching, prophecy, ancient wisdom, light, energy, mantras, and scientific techniques to help our planet and ourselves. Elizabeth Clare Prophet has been their Messenger since 1964. When the Age of Aquarius dawned, she was delivering their dictations to the new age movement. Long before it was fashionable to "connect," she was showing people their Higher Selves. Now she is stumping across America for Saint Germain's Coming Revolution in Higher Consciousness...

- Saint Germain on America's destiny and spiritual alchemy by the violet flame
- Gemstones for the seven chakras charged by the Lords of the Seven Rays
- Chakra initiations
- The "sealing of the servants of God in their foreheads" by the emerald matrix Rev. 7 (third-eye initiation)
- The healing power of the Seven Archangels
- Dictation by an Ascended Master

Elizabeth Clare Prophet

Author of *The Lost Years of Jesus* and *Saint Germain On Prophecy*

Wed., Oct. 7 • Boston • The Park Plaza Hotel & Towers
 7 pm-midnight • Admission \$8.50
 Students and senior citizens: \$5 • Call (617) 232-4109

Copyright © 1987 Summit University. All rights reserved.

ATTENTION SENIORS

Information Session
 Thursday, October 15, 1987

Career opportunities for Computer Science graduates in:

- Software Engineering,
- Systems Engineering,
- Advanced Technology Research

MeadDataCentral

We're a world leader in the electronic publishing industry. LEXIS®/NEXIS® provides computerized research services to lawyers, doctors, management consultants, journalists and government agencies around the world.

Plan to attend
 7:00 p.m. MIT Room 8-105

Special Student and Youth Fares to EUROPE from New York on Scheduled Airlines!

DESTINATIONS	OW	RT
LONDON	\$195	\$389
PARIS	230	430
FRANKFURT	255	490
ROME/MILAN	275	530
VIENNA/BELGRADE	280	540
ZURICH/GENEVA	265	500

Add \$25 in each direction for Boston or Washington, D.C. departures. Add \$50 in each direction for Pittsburgh, Cleveland, or Raleigh-Durham departures. Other add-on fares are available. Weekend surcharges may apply.

Special Student and Youth Fares to SCANDINAVIA On Scheduled Airlines!

Fall/Winter Rates	OW	RT
From New York		
Copenhagen	\$230	\$525
Oslo	230	525
Stockholm	230	525
Helsinki	270	605
From Chicago		
Copenhagen/Oslo	\$235	\$425
Stockholm/Gothenburg	245	450
Helsinki	305	565

Some fare restrictions may apply.

Applications available for Eurail Youth Pass and International Student I.D. Card.

Book now for your holiday/intercession travel.

For Reservations and Information Call:

WHOLE WORLD TRAVEL
 Serving the Student/Youth Market for more than 17 years!
 17 E. 45th St., New York, NY 10017
 (212) 986-9470

sports



Lisette W. Lambregts/The Tech
Max Ochoa '90 protects the ball from an Amherst player in Saturday's game against Amherst. MIT returned from a 5-1 halftime deficit to lose by just one point, 9-8.

Company Presentation

Opportunities in:

- Information Systems,
- Expert Systems,
- Telecommunications,
- Operations Research

with

**Procter & Gamble's
Management Systems Division**

Vivienne Lee '86
Chi Luu '86
Rich Weaver '85

**WEDNESDAY, OCTOBER 7 TH
4:15 - 6:15
ROOM 5 - 217**

- Food and Drink Provided
- Please Bring Your Resume

Seniors LAST CHANCE to get your portrait taken!

CALL
Technique (253-2980)
for an appointment
9AM - Noon, 1 - 5PM
Sept. 28 - Oct. 9

*You can strike
a blow against
Cancer with
a Memorial
Gift to your
local Unit
of the*
**AMERICAN
CANCER
SOCIETY®**

This space donated by The Tech



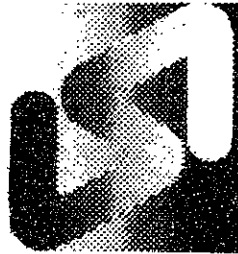
COMMERCIAL

Specializing in office/R&D space
Cambridgeport area
Ideal for young start up companies

**INGRAM, RETTIG & BEATY
124 MT. AUBURN STREET
CAMBRIDGE**

497-4400

**Your
foreign
language
ability
is
valuable!**



Translations into your native language are needed for industrial literature. You will be well paid to prepare these translations on an occasional basis. Assignments are made according to your area of technical knowledge.

We are currently seeking translators for:
• Arabic • Chinese • Danish • Dutch
• Farsi • French • German • Greek
• Italian • Japanese • Korean
• Norwegian • Polish • Portuguese
• Romanian • Spanish • Swedish
and others.

Into-English translations from German and French. Many other languages also available.

Foreign language typists also needed. All this work can be done in your home!

Linguistic Systems, Inc. is New England's largest translation agency, located a block north of the Central Sq. subway station.

For application and test translation call Mr. Skagestad

864-3900

Linguistic Systems, Inc.
116 Bishop Allen Drive
Cambridge, MA 02139

AIDS AWARENESS WEEK AT MIT

OCT 4 - 11, 1987

CONCERN ABOUT AIDS:

Placing the problem in a college and community context

More than 950 Massachusetts residents and 40,000 Americans have contracted AIDS, and with the current state of treatment, all of them can be expected to die from their disease. While AIDS is one of many sexually transmitted diseases, it is unique in that it is invariably fatal. This newly discovered syndrome has generated a great deal of worldwide research effort, mass media attention, and, at times, public hysteria. It is an illness that has prompted many of us to re-examine our values and behavior; it has caused public policy to change on local, state, and national levels. People with AIDS antibodies are excluded from the Armed Services and certain countries; they may have difficulty obtaining insurance and employment. Public discussion about condoms has never been so open and vocal.

Why should students at MIT be informed about AIDS? As members of a society where AIDS is making an increasingly greater impact, everyone needs a body of knowledge about this illness — whether sexually active or inactive, monogamous or not, gay or straight, old or young, man or woman. This incurable infection does not discriminate on the basis of racial or ethnic groups, religion, social class, sex or sexual orientation. FORTUNATELY, there are ways to

protect oneself from exposure to the virus and continue satisfactory relationships.

Ten years ago, the sexually transmitted disease of the time on campus was herpes. Five years ago, before the real impact of AIDS had occurred, chlamydia was a concern of many. In retrospect, while these illnesses are important, their impact on society is trivial when compared to AIDS. While they do still occur, and should be prevented or treated, AIDS, with its devastating physical and mental effects on the individual, relationships, family, society and other institutions, must take the forefront of our attention.

These thoughts introduce a series of articles about AIDS written by members of the Medical Department and others as a service to students and other members of the MIT community. Forthcoming articles will focus on the AIDS virus, its transmission and types of infections; high risk groups and high risk behaviors; facts and fallacies; prevention of AIDS infection; AIDS testing and treatment and the problems of children and women infected with the AIDS virus. Our goal is to offer frank up-to-date information along with constructive ideas for coping with the realities of campus life and young adulthood within the shadow of this epidemic.

Mark A. Goldstein, M.D.
Chief, Student Health Services
MIT Medical Department

This message from the Medical Department is part of its AIDS-AWARE campaign, one result of an ongoing collaboration between the Medical Department and the Office of the Dean for Student Affairs to deal with issues of student health. AIDS-AWARE is a multi-faceted effort to inform MIT students, faculty, staff, and their families about AIDS, its prevention, and progress toward a vaccine and cure. To learn more about AIDS or other AIDS-AWARE activities, please call the Health Education Service at 253-1316.

OTHER AIDS-AWARE ACTIVITIES THIS WEEK:

AIDS INFORMATION TABLE in Lobby 10
Tuesday and Wednesday from 11 am - 2 pm

VIDEO PRESENTATION of "AIDS: Beyond Fear"
Wednesday, 12 noon Emma Rogers Room, 10-340