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Friday, October 13, 1989

The Tech

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Since 1881

Volume 109, Number 42

Design process for the old TRW site to begin

By Adnan H. Lawai

The design stage for a new Institute building to be constructed at 31 Ames Street, behind Building 66, is now in progress, according to Director of Planning Robert Simha MCP '57. The old building at the site was demolished in the fall of 1987 following MIT's purchase of the site in June 1986.

According to Simha, the architectural firm of Goody and Clancy has been contracted to prepare the design for the new building. The firm is presently carrying out preliminary tests at the site. The design is expected to be completed in another year. Construction will take at least another one and a half years, Simha said.

The School of Science intends to move the biology department to the new building. This would bring the department closer to the Center for Cancer Research in the Seeley G. Mudd Building (E17) and to the Whitehead Institute for Biomedical Research on Main Street.

The Institute at present does not have complete funds for the construction of the new building and more funding is expected, Simha said. He was uncertain exactly where the funds would come from.

The project is estimated to cost around \$60 million, according to Senior Vice President William R. Dickson '56.

According to Thomas E. Shepherd, associate director of the Physical Plant, the new building "isn't yet in schematic design." The schematic design phase will begin as soon as tests on the site, which include soil tests, are complete, he said.

The TRW Corporation building which stood on the site before MIT purchased the property was vacated in the summer of 1987. TRW had been using the building for manufacturing hardware for automobiles and home

appliances. The building was demolished under contract by an outside firm, Vappi & Company.

The part of the biology department which will be moving to the new building takes up 82,000 square feet, much less than the available space at the new site, said Gene M. Brown, dean of science. MIT is unsure how the additional space will be used, he said.

Context subject seeks increased AIDS awareness

Feature

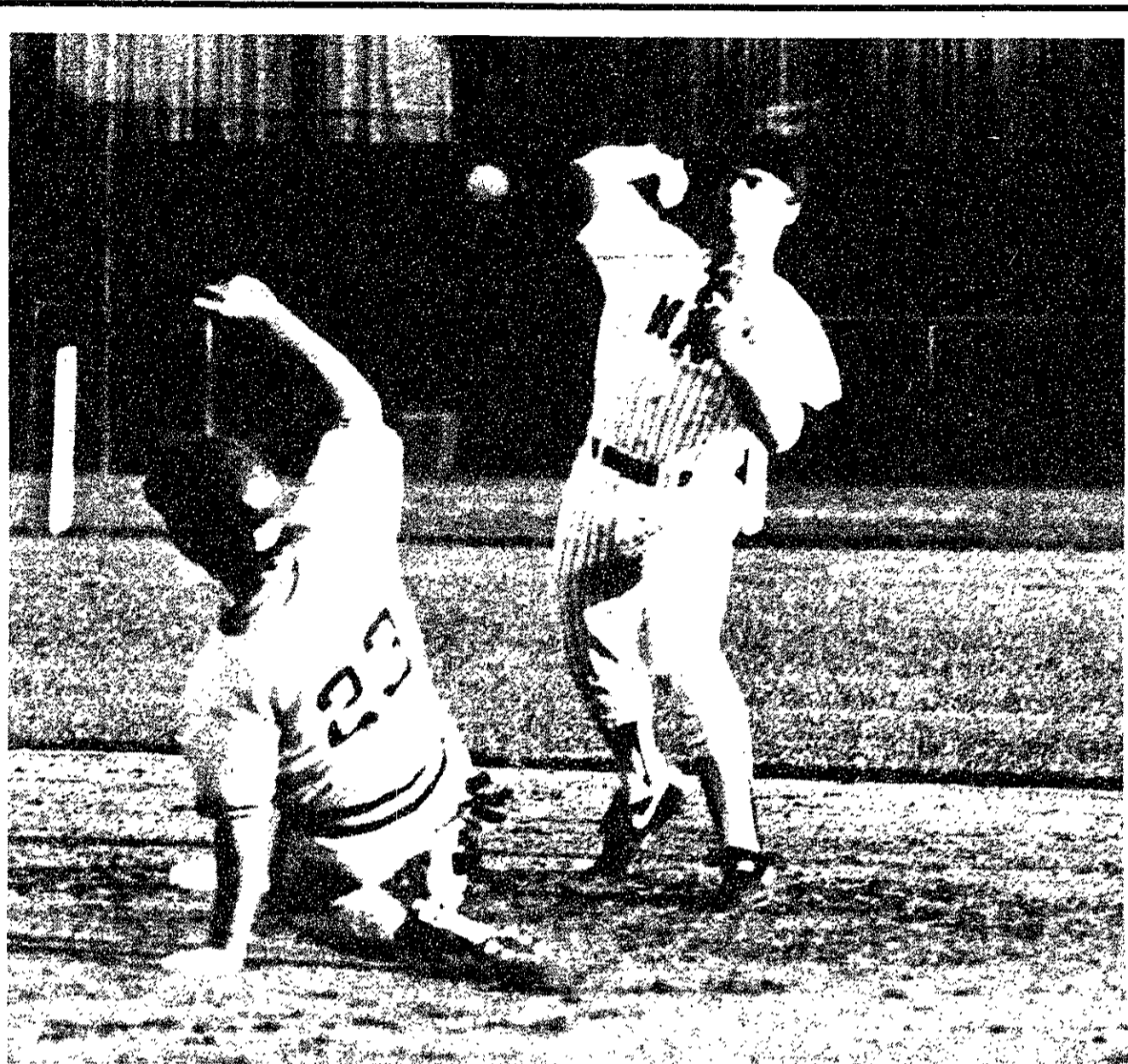
By Lisa Havran

AIDS: Scientific Challenge and Human Challenge (7.00J/15.60J) is being offered for the second time in an attempt to educate the MIT community about dangers and problems of the AIDS virus.

The ten-lecture class, which is part of the Institute's Context program, is being taught by Professor David Baltimore '61, a Nobel laureate, and Special Assistant to the President Mary P. Rowe, as it was last year. It will bring to campus several guest lecturers who daily face the dilemmas posed by AIDS — epidemiologists, public policy specialists, and HIV carriers.

The class's primary objective is AIDS education and awareness, according to the course managers, Rowe and Assistant Dean Leslie C. Perelman.

Rowe said she is especially interested in informing heterosexual women about the risk the AIDS virus poses to them. She expressed concern over the finding by a recent study of college-age women that nearly 30 percent of them have practiced anal intercourse. By practicing anal intercourse young women are "protecting their technical virginity and preventing pregnancy, but (Please turn to page 2)



William Chu/The Tech
Second baseman Mike Murray '90 throws to first base to complete the double play in last Thursday's loss to Merrimack College.

Cray supercomputer ready for use

By Michael Schlamp

After much anticipation, the MIT CRAY-2 Supercomputer Facility (MITSF) opened its doors on July 15. All members of the MIT community can now use the machine, which is located in Building W91.

Equipped with four central processors and 256 million 64-bit words (more than 2 gigabytes) of memory, the CRAY-2/4/256 system is valued at over \$7.5 million. The machine is presently leased to MIT as part of a five-year research agreement with Cray Research.

According to Eddie Andrews, the MITSF administrative officer, those people who have already

used the machine have expressed great enthusiasm, setting a positive trend for the supercomputer. So far, the most demand for the supercomputer has come from student user groups in collaboration with faculty members.

Those who wish to use the supercomputer must pay either an unburdened usage rate of \$125 per hour or a fully-burdened rate of approximately \$140 per hour; in addition, a one-page proposal describing planned usage is required of each user on a yearly basis. Supercomputing is both a speedy and economical alternative to local computing on workstations and minisupercomputers, Andrew said.

Tapes for supercomputer usage can be submitted and retrieved at the Information Systems Dispatch Counter. All business beyond the actual tape handling is conducted over the MIT Network.

The supercomputer facility will initially support one MIT application consultant and one CRAY application consultant. Besides being available to the community for technical questions and comments, the consultants will give basic courses in the use of the CRAY-2, as well as in vectorization, parallelization, and supercomputing. More details concerning these courses will be available in a listing due out this January during IAP.

Thomas Cech wins Nobel Prize while at MIT for BUSA lecture

By Annabelle Boyd

Shortly before Thomas R. Cech was to give yesterday's lecture for the Biology Undergraduate Student Association, the Nobel committee in Stockholm announced that he had won this year's Nobel Prize for Chemistry. Cech will share the prize with Yale Professor Sidney Altman '60.

Cech, a chemistry professor at the University of Colorado at Boulder, worked at MIT as a post-doctoral fellow under Professor Mary Lou Pardue before moving to his post in Colorado.

Cech was alone when he received the phone call from the Nobel committee at 9 am yesterday morning in his hotel room. He is the winner of several major awards, including the prestigious Lasker Award for medical research, which he shared with MIT professor Phillip A. Sharp last year.

To acknowledge the prize, Cech held a 25 minute press conference at the Whitehead Institute for Biomedical Research yes-

terday that started at noon. When asked by a reporter if the Nobel Prize would change his life, Cech replied, "I hope not." Another reporter asked if Cech had expected to win the prize. Cech answered, "I'd be home in Colorado if I knew I was going to get the call."

Because of the announcement, Cech was forced to reschedule his lecture for BUSA from 4 pm to 2 pm. According to Biology Professor Graham C. Walker, "A lot of people might have cancelled the talk, but Tom just isn't like that."

Cech delivered an hour-long lecture on "RNA Enzymes and the Origin of Life" to an overflowing 10-250 hall, full of undergraduate and graduate students and members of the faculty. Directly after the lecture, Walker boarded a plane to return to Colorado to share his success with his family and the University of Colorado.

BUSA member Erica Wickstrom '90 introduced Cech as a

man who had faith in himself and in science, investigating what other scientists had put off to be the results of impurities or errors.

"I always enjoy talking here," he said with a laugh as he opened the lecture. The lanky Cech spoke about three topics, opening with a discussion of ribonucleic acid (RNA), which acts as a messenger within the cell. He also addressed the molecular origins of life and the structure of chromosomes, which contain the cell's hereditary information in the form of deoxyribonucleic

acid (DNA).

Cech won the prize for his observation that RNA could function as an enzyme and therefore speed up, or catalyze, chemical reactions. This had major implications for evolutionary theory, as it had previously been thought that DNA proteins were the only catalysts of chemical reactions.

Cech's lecture was the second annual lecture supported by MIT BUSA. More than a year ago, the Howard Hughes Medical Institute awarded \$1 million to MIT to stimulate undergraduate (Please turn to page 2)



William Chu/The Tech
Catherine Gioannetti '90 hits a backhand volley. MIT played Smith on Tuesday.

inside

Keyboardist Michel Camilo begins American tour with a "fiery" performance at Kresge Auditorium. Page 9.

Ex-Sex Pistol John Lydon and Public Image, Ltd. are loud, obscene, and wickedly fun in concert at the Orpheum. Page 11.

AIDS context course offered this semester

(Continued from page 1) they are putting themselves at high risk for HIV infection," Rowe said.

Rowe hoped the AIDS class may save lives by informing people of these types of risks.

Comments received on last year's course evaluation forms prompted organizers to alter this semester's AIDS class, Rowe said. For example, Baltimore will give three lectures this year instead of two as he did last year.

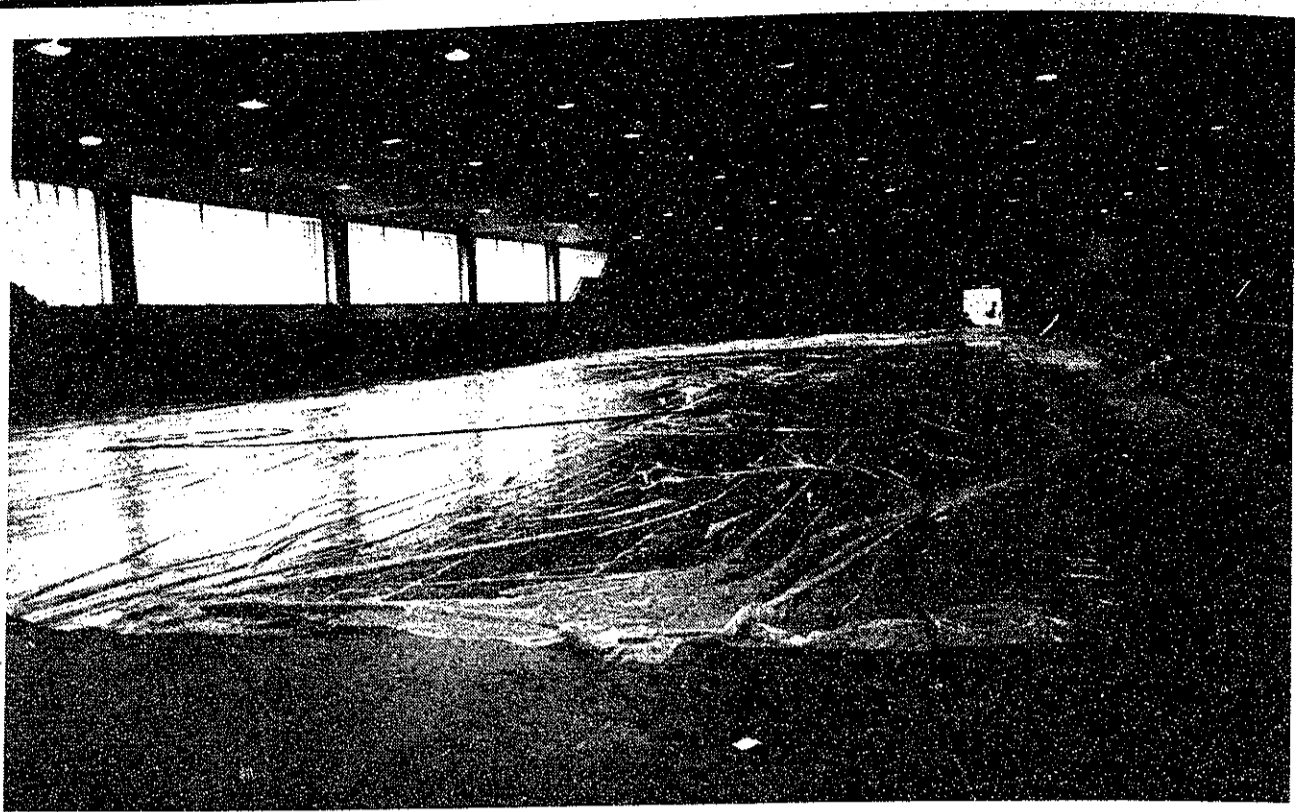
Students also asked for more emphasis on how AIDS affects women and minorities. As a result, Mary Bassett, a doctor who works with AIDS patients in Zimbabwe, will discuss the AIDS situation in Africa on Monday. And Harlon Dalton will address the question of "Is AIDS genocide?" on Oct. 23.

Perelman said that this year the course is focusing more on people with personal encounters with AIDS. Thomas C. Mills '77, a psychiatrist who is HIV positive, spoke at a recent lecture.

Both Rowe and Perelman said they are happy with the MIT community's response to the class. While the class is an under-

graduate course offering, it is also a forum for the community, Perelman said. It not only gives students who are concerned about AIDS a chance to learn more about the disease, but it also gives faculty, health services personnel, and staff people a better chance to explore these issues, he explained.

Perelman said that the goal of the context courses is to allow people to understand the "social, human, and ethical dimensions of science and technology." Almost everyone's life will be affected by the AIDS virus in the future. By getting people thinking and talking about AIDS now, it can prepare them for when they must deal with the virus in their personal or professional lives, Perelman said.



Ken Church/The Tech

After the cooling system sprung a leak, MIT was forced to make extensive repairs on the ice skating rink.

notices

Listings

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

October 13, 1989

A program of celebration entitled **Community: The Howard Thurman Legacy** will begin at 7:30 pm at the Tsai Performance Center, 685 Commonwealth Avenue. For more information call 353-4745.

Rare and unusual plants on display from 12-4 pm at the UMASS Suburban Experiment Station, 240 Beaver St., Waltham. For more information, call 876-1356.

October 15, 1989

Ford Hall Forum presents "Mother Goose and Grimm" cartoonists **Paul Szep and Mike Peters**. Northeastern University, Blackman Auditorium, 7 pm. For more information call 437-5800.

October 16, 1989

Free lecture on dealing with aging parents at 7:30 pm by Riverside Family Institute. For more information call 964-6933.

A lecture entitled "**The Language of Dictatorship in Africa**" will be held from 12:1-3:30 pm at 270 Bay State Road.

October 17, 1989

Boston University's African Studies Center will sponsor a lecture on **Trade Liberalization and African Commodities** 12-1:30 pm at 270 Bay State Road. Also being sponsored is a workshop on **Principles and Passion: Capturing the Legacy of Joao Albasini**, 5:30-7 pm. For more information call 353-3673.

October 18, 1989

Boston University's African Studies Center will sponsor a **Visual and Performing Arts Seminar** from 5:30-7:30 pm at 270 Bay State Road.

AIDS: The Triple Epidemic — a discussion at 8 pm at 3 Church Street, Harvard Square Cambridge.

Women and International Development Open House 7-9 pm in E38-615.

October 23, 1989

Free lecture on being an effective couple at 7:30 by Riverside Family Institute. For more information call 964-6933.

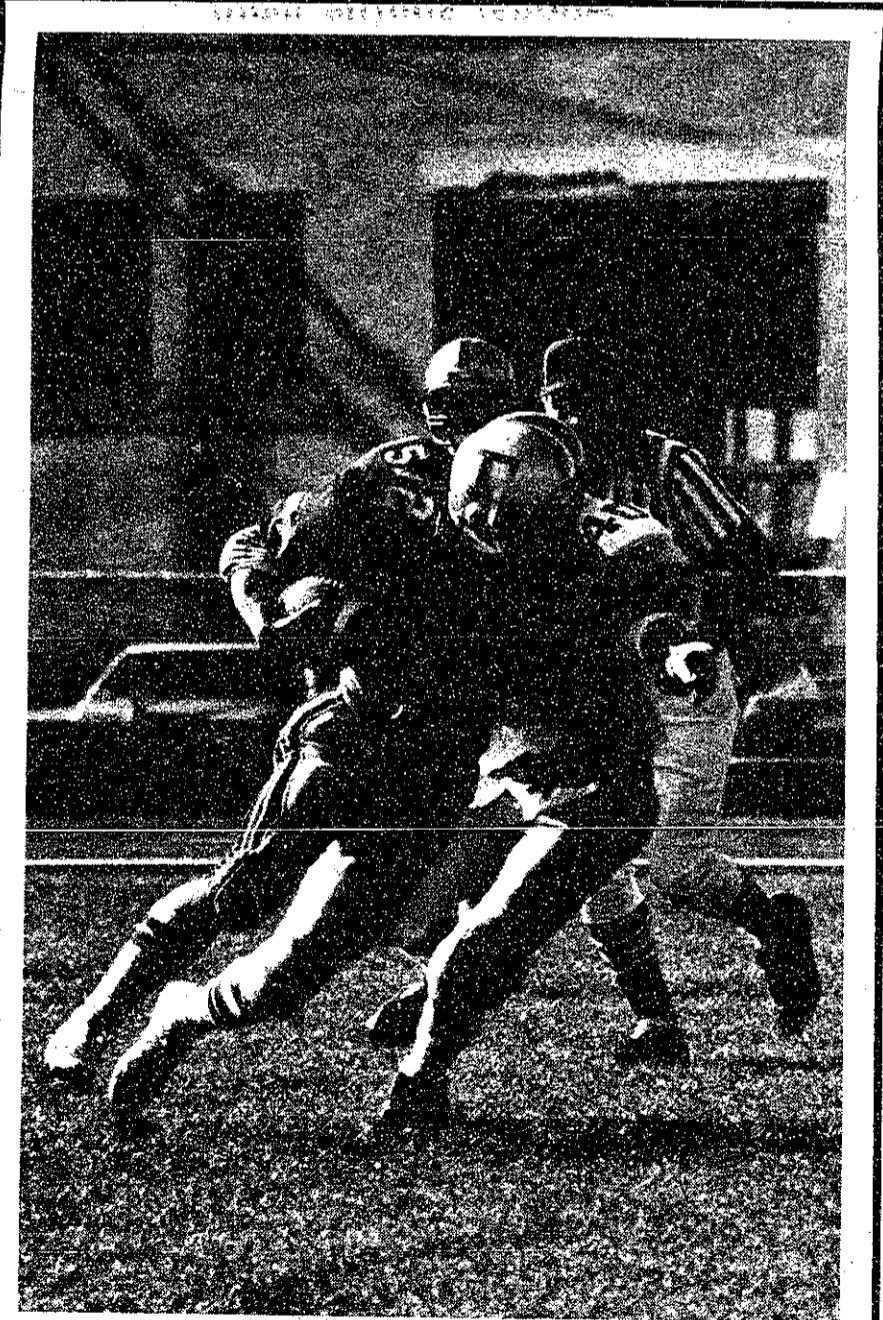
October 24, 1989

Professor Shun Kanda will give a talk entitled "**Looking for the Soft Side — Planning for Tokyo Bay**" from 5-6 pm at the MIT Student Center Private Dining Rooms. Sponsored by the MIT Japan Program.

Cech, Altman win Nobel Prize

(Continued from page 1) education in biology. The BUSA annual lecture is one of the activities financed by the Hughes grant. Last year, Nobel laureate Mike Brown spoke about his research.

(Editor's note: Tech staff writer David Rothstein contributed to this report.)



Michael Franklin/The Tech
Shane LaHousse '90 evades capture by his UMass-Boston opponent during Saturday's game.



William Chu/The Tech
Amita Gupta '91 serves during the doubles match against Smith on Tuesday. After winning this match with partner Catherine Gioannetti '90, the score was 4-3 MIT. The disappointing final score, 5-4 Smith.

ATTENTION ALL GRADUATE STUDENTS

MIT is seeking the participation of graduate students in the following institute committees;

- Comm. on Assessment of Biohazards
- Athletic Board (a female student is needed)
- Commencement Comm.
- Community Service Fund Board
- Comm. on Discipline
- Medical Advisory Board
- Prelaw Advisory Council
- Committee on Safety

Serving on an institute committee offers an excellent opportunity for you to get involved in the administrative decision making process at MIT. If you want more information or are interested in serving on any of these committees, please pick up a description of the committee and application form at the Graduate Student Council office (50-222) during the hours of 1:30 to 5:00 pm., Mon - Fri. Interviews will be conducted on Wednesday, October 18, starting at 5:30. If you have any questions, please call the GSC office at 253-2195.

AMERICAN
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This space donated by The Tech

news roundup

from the associated press wire

World

US seamen join in Lisbon riot

US diplomats in Portugal are blaming the police there for the injuries that took place during a huge brawl Wednesday night, involving hundreds of American and British sailors. More than a hundred of the sailors were arrested, and an even larger number were injured. Portuguese police said the seaman turned on the police, who tried to break up the fighting.

Seoul embassy attacked

Authorities in Seoul, South Korea, say intruders brandishing firebombs, tear gas grenades, and steel bars made their way into the US ambassador's residence before being seized by police. Officials said the six radical students scaled the wall of the residential compound and demanded to meet with Ambassador Donald Gregg.

An embassy spokesman said Gregg and his wife escaped unharmed. During the incident, the students shouted "we oppose US trade pressure" and "drive out the Yankees." Radical students oppose Washington's push for Seoul to increase US exports to South Korea.

Noriega said to profit from US steroid market

Mexican authorities say Panamanian leader Manuel Noriega made millions of dollars from a laboratory that supplied steroids on the US black market. The Tijuana lab was shut down by police in April. Officials said Noriega invested \$800,000 two years ago and saw a return of about \$2 million.

Swiss woman taken hostage in Lebanon

There has been another kidnapping in Lebanon — this time, a Swiss woman who worked as a part-time flight attendant. The Swiss Foreign Ministry said the woman was kidnapped by armed civilians during a visit to Tripoli. Her parents have asked authorities not to give out her name.

East Germany may free arrested protesters

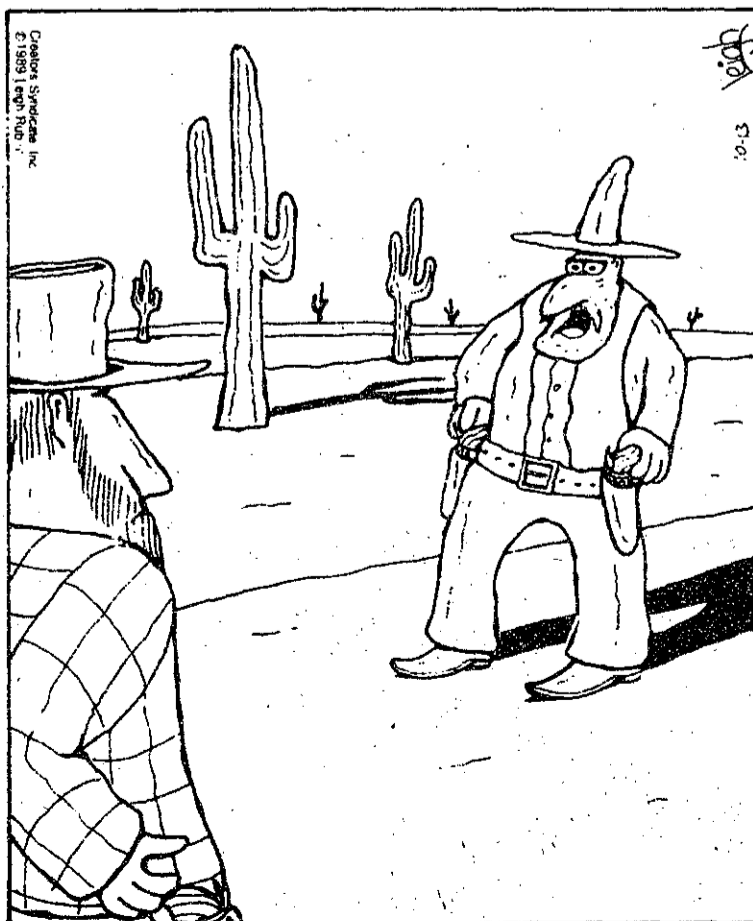
There is word from Lutheran church sources in East Berlin that the protesters who have been arrested in Leipzig in recent weeks are about to be released. Hundreds of them are believed to be in jail. Meanwhile, there are reports that East Germany's leader, who has taken a hard-line stand against those calling for a freer society may be replaced soon.

Israel rejects Baker move

Israel isn't sounding receptive to a suggestion from Secretary of State James A. Baker. He wanted the Egyptian and Israeli foreign ministers to meet with him in Washington to revive peace efforts. But Israel's prime minister, Yitzhak Shamir, says that is an "inflated" and unnecessary idea.

Rubes

By Leigh Rubin



"So, you think I'm a coward, huh? ... I dare ya to turn around and say that!"

Mexican leftists attack Columbus

Not everybody in Mexico City yesterday wanted to celebrate Columbus Day. Authorities said leftists protested at the city's monument to the European explorer and tore away wreaths laid by officials. Demonstrators called Columbus a killer who paved the way for the Spaniard's extermination of the region's Aztec Empire.

Nobel Prize winners announced

Four Americans were among the proud recipients of Nobel Prizes announced yesterday. The physics award went to two Americans and a West German. The Nobel committee said their work in measuring atoms could force scientists to reconsider basic physical laws. The chemistry prize went to two other Americans for their work showing the ability of genetic RNA to trigger chemical reactions [See story on page 1].

On Wednesday, a Norwegian professor was awarded the Nobel Memorial Prize in economic science. And last week, the Dalai Lama, spiritual leader of Tibetan Buddhists, won the 1989 Nobel Peace Prize. The winner of the prize in literature has yet to be announced.

Argentinian criticizes Noriega

Another Latin American leader is denouncing the Panamanian regime of military leader Manuel Noriega. The president of Argentina, Carlos Menem, said Panama will not be allowed back into the group of eight leading Latin American democracies until it becomes a democracy again. Menem's comments came yesterday towards the end of a regional summit.

Nation

Bush to attend drug summit

President Bush said he hopes a drug summit that he plans to attend will lead to greater international cooperation in the war against drugs. While campaigning for a congressional candidate in Mississippi yesterday, Bush confirmed that he will attend the summit, called by the presidents of Colombia, Bolivia, and Peru.

Congress approves flag bill

One congressman said a bill that was passed yesterday is the least Congress can do to "protect the sanctity of the flag." But President Bush wants Congress to do more. The bill, which would put a federal ban on flag burning, is expected to become law. But Bush has called for a constitutional amendment instead. He has said that a statute would not get around a Supreme Court decision protecting flag burning.

Possible crash clue found

The engine disk that was found in an Iowa cornfield yesterday may, in fact, have yielded a big clue to the cause of the July crash of a United Airlines DC-10. Federal safety investigators say they've found a crack in the engine disk — a crack that probably was there before the flight. They are hoping further study of the engine disk will tell them what caused the crash, which killed 112 people.

Meanwhile, the woman who found the disk is in for a lot more money than she thought. Janice Sorenson said she is getting more than \$100,000 in reward money from General Electric, the maker of the engine. That is because she found not only the disk, but also a lot of fan blades and other parts still attached to it.

Abernathy book raises furor

A group of civil rights leaders, including Jesse Jackson, is calling on Ralph Abernathy to repudiate his account of Martin Luther King Jr.'s final hours. In a book being published this month, Abernathy says King spent parts of the night before his April 4, 1968 assassination in Memphis, TN, with two women. Abernathy was a King confidant and a prominent leader in the 1960s civil rights movement.

Bishops criticize teaching about condoms in schools

A committee of bishops is suggesting that the Roman Catholic Church drop its tolerance toward teaching about condoms in public schools as a way of preventing AIDS. Instead, the committee says the Church should call for youngsters to be taught chastity. One of the bishops said there is no such thing as safe sex. The suggestion is being criticized by an AIDS activist, who said if you keep the information from children, you are "abandoning them to death."

Continued Soviet arms transfers to Nicaragua alleged

Even though the Soviet Union has promised to stop shipping weapons to Nicaragua — Pentagon officials say they may still be arranging the delivery of weapons through Cuba. A Pentagon report says Soviet bloc military shipments to the Sandinista government this year could actually be larger than last year's. Soviet leader Mikhail Gorbachev told President Bush in May that his country had stopped sending weapons to the Managua government.

Drug lords kill two newspaper employees

Two Colombian newspapers, which have joined forces in the fight against drug traffickers, are denouncing the idea of government talks with drug traffickers. This after the killings of two newspaper workers by assassins working for the drug lords. The fear of violence has caused some newspaper stands not to sell the newspapers — and at some stands, the papers are kept hidden, and slipped to customers like contraband.

Jurist acquits South African police commanders

A South African magistrate has acquitted two police commanders of assault charges in a police attack on mixed-race demonstrators. The magistrate said there was no evidence the commanders witnessed the assault, and therefore the two could not be held responsible for the actions of the white riot policemen. However, the jurist said the policemen had acted despicably and unlawfully.

NASA confirms problem on August shuttle flight

NASA confirms there was a brief short circuit on the Columbia shuttle mission in August, sending some sparks and smoke into the cabin. The space agency said it lasted about 1½ seconds — and that the crew solved the problem by unplugging a printer. A NASA spokesman said there is no indication that the crew was in any danger.

NASA also said yesterday that engineers, working six at a time in cramped quarters, are trying to replace a computer aboard the shuttle Atlantis in time for a Tuesday launch. Officials said the odds are still 50-50 that they will finish the work on time.

Elizabeth Dole to visit striking coal mines

Labor Secretary Elizabeth Dole is heading to the Virginia coal mines. Department officials say she wants to get a first-hand look at the six-month walkout involving Pittston Company mines in three states. United Mine Workers President Richard Trumka calls Dole's trip a "tremendous step in the right direction."

Two killed in Navy exercise

The Navy said shrapnel or projectiles fired from a cargo ship during an Atlantic gunnery exercise killed one officer and injured another on the USS Iwo Jima. Officials said both men were on the bridge at the time.

Weather

Seasonably cool weather

High pressure from western Canada will gradually build across the northern United States and into New England over the next few days — resulting in cooler weather. A front which crossed the region last night will stall to our south before slowly returning northward as a warm front during the day on Sunday.

Friday afternoon: Mostly sunny and warm. High 73°F (23°C). Winds northwest 10 mph (16 kph).
Friday night: Clear and cool. Low around 50°F (10°C). Winds west 5 mph (8 kph).
Saturday: Mostly sunny and cooler. High 65°F (18°C). Low 44°F (7°C).
Sunday: Becoming partly sunny. Cool. High 60-65°F (16-18°C). Low 44°F (7°C).

Forecast by Michael C. Morgan

Compiled by Niraj S. Desai

opinion

Friday the Thirteenth, Part XXI

Column by Adam Braff

The life of a columnist is fraught with peril. People I hardly know collar me in the Institute and ask why I haven't written about subject X. People I know well bang on my door in the middle of the night and demand 1200 words on injustice Y. It's enough to make a guy want to transfer.

But unless my editor tells me to cover it, no topic merits a whole column. The best I can do, on this unlucky Friday the thirteenth, is to mention the most substantive flames about our school and its appendages. Here they are: a baker's dozen of changes, as suggested by you, the huddled masses.

Install dormline phones in the Institute. A student who needs to call his dormitory from the main complex of MIT buildings is out of luck, unless he's in Lobby 7 or near some other obscure phone I didn't manage to find. Eerily, there are a few dormline-looking phones at various junctures in the Institute, but most of these are dead. We shouldn't have to tie up some overworked secretary's phone every time we need to call the home office.

Change some of the men's rooms into women's rooms. There are precious few places for an MIT woman to powder her nose at this machismo-drunk school of ours. Many a female student has made the above request. Besides, guys, we don't even need bathrooms. Just trees and rooftops.

Schedule academic and athletic registration for different days. And handle the latter with computers as well. First-come-first-serve is no way to pick the lucky few who will get to sail and play volleyball. The current method gives unfair advantage to students big enough to muscle through the crowds to get to the activities of choice, thereby making the beefy beefier and the scrawny scrawnier. Marx would be appalled.

Blaze new parking lots. I don't care how they do it. There is simply not enough room for all the parents, alumni, and prospective students to park their cars when they visit MIT. Speaking of Tech imperialism, have you ever noticed how our expansion is always longitudinal, that is, along the Charles? Let's expand northward toward Harvard, laying down asphalt as we go.

Next House. Not a bad idea. The Coop should either start such a shuttle or give us an extra five percent in our rebate checks as reimbursement for our hernias.

Place receptacles for glass recycling outside Lobdell. One of the few non-paper containers you can still get at Lobdell is the glass bottle. To the dissatisfaction of the environment, however, nearly all of this glass is thrown out with the paper and unused food. A few short boxes, emptied often, would reduce a small fraction of the waste.

Equip LaVerde's and Toscanini's with Validine machines. These are, after all, three great institutions with Italian names. Imagine how convenient it would be to buy your weekly foodstuffs and dessert using that horrid little piece of plastic with your picture on it. If ARA objects, we ditch ARA. It can't last much longer anyway.

Speed up the elevators. With all the technology brewing at this place you'd think that one stinking elevator would be enjoyable to use. Well, there's one, but it's in building 37 and I don't go there often. If the Student Center elevators could be adjusted to go just ten times faster, the world would be a better place.

Give us a reading period. It's absurd to expect MIT students to take finals on one day's rest from the end of classes. A week after the end of each term would give the upperclassmen time to catch up on four months of reading, and would give the freshmen seven more nights to do whatever it is they do while we upperclassmen are reading.

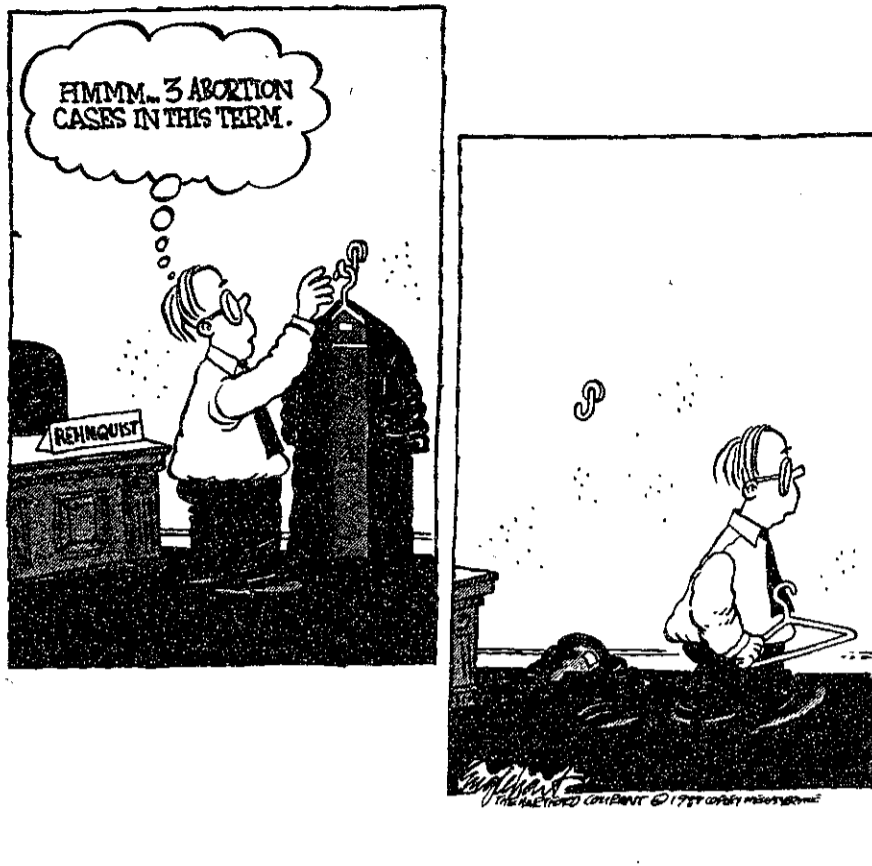
Keep the Medical Center unlocked at night. This one is my personal pet peeve. I never learned how to walk around the thing to get to the T, so I usually scratch on the glass plaintively until some kind soul lets me in. And can somebody explain to me why it is that everybody but me always knows the combination? (5132)

Distribute finals schedules on registration day. At most schools (read: normal schools) students know at the start of a term exactly when it will end. MIT students, especially those who live far away and must make travel plans, are often left in limbo until about a month before the end of classes, when final examination schedules begin to materialize on random walls. This problem can easily be solved by scheduling rooms, dates, and times of finals at the start of the term, and then disseminating this valuable information on reg day, perhaps at the bottom of the LSC posters.

Tell us where we are. This request is addressed not to MIT, but to the Undergraduate Association and the Class of '87. Upon the latter's graduation, the class president presented Paul Gray with the class gift: plans to construct a map and announcement board on Massachusetts Avenue across from the main entrance. Any reasonable deadline for this undertaking has long since passed, and several '87 alums of my acquaintance want to know where their donations have come to rest. The UA — acting on behalf of the undergraduates, whom the gift would benefit most — should look into the matter.

Unless I miss my guess, this should soothe the collective brow of all the ill-tempered folks who have been leaning on me to print their gripes. Don't expect another free-for-all like this anytime soon — the next Friday the thirteenth is in April. Until then, knock on wood.

Adam Braff, a junior in the School of Humanities and Social Science, is a columnist for The Tech.



The Tech

Volume 109, Number 42 Friday, October 13, 1989

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Staff: Kristine AuYeung '91.

If the student center elevators could be adjusted to go just ten times faster, the world would be a better place.

Change the graduation requirements back. Many of you screamed when you read the sheet bundled with your grade report a month ago. Yes, MIT has changed the requirements for all undergraduates, even seniors. Instead of a flat 360 units, we need to complete 180 to 198 units in addition to the mysterious and loathsome General Institute Requirements. Horror stories resulting from this *ex post facto* rule include a Course III student who is now taking six classes so she can graduate on time.

Give us a shuttle to the Coop. When the MIT Coop moved from the old Student Center to its current location in Kendall Square, the Coop bigwigs suggested they would organize a shuttle at the beginning of each term so that students wouldn't have to drag home two overstuffed bags of books to, say,



The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$17.00 per year. Third Class by The Tech, Room W20-483, 84 Massachusetts Avenue, 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. FAX: (617) 253-8226. Advertising, subscription, and typesetting rates available. Entire contents © 1989 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

opinion

LETTERS TO THE EDITOR

Poster attack was act of hatred

I have some good news and some bad news, with regard to human rights for MIT students. The good news is that Wednesday, after 17 years of effort, the Massachusetts Senate approved the lesbian and gay civil rights bill. The bad news is that MIT students seem to be lacking in basic human compassion. Yesterday morning, right after National Coming Out Day, there were anonymous posters placed in the Infinite Corridor which said, "Okay gays. The party's over. Get back in the closet." Such a blatant act of hatred, cruelty, and fear would be appalling anywhere, but it is even more disillusioning at this institute of higher learning.

I wonder what could possibly have elicited the hatred and terror that would motivate an anonymous, cruel attack on a group of fellow students. The purpose of National Coming Out Day was to make it clear that there are gay and lesbian and bisexual students on campus, and that all people have the right to safely exist here. Several students had personal coming out experiences printed in the Infinite Corridor display panel. Other students also had their pictures on the panel. These students courageously put themselves on the line in order to further a cause they believe in. All the Gays, Lesbians, Bisexuals, and Friends at MIT posters had a phone number on them, and the individual stories were accompanied by full names and years. If someone was offended by any of GAMIT's material, they could easily have contacted us to discuss their feelings.

Not only were the anonymous posters an act of cowardice and ignorance, they also go directly against MIT policy which forbids discrimination on the basis of sexual orientation.

The response posters showed ignorance and fear. Why is it that these people feel so threatened by the existence of gay people? Are you really so uncomfortable in your sexuality that you find diversity threatening? If these peo-

ple truly believe in what they printed, why was there no name, phone number, or any identification on the posters? Why would anyone feel the need to urge others to hide their identity? I am willing to hear criticism of GAMIT, or of my own views, when it is presented directly and intelligently.

If anyone has questions about coming out or wants to discuss any of the related issues, they can call me.

In the meantime, I have been out of the closet for over two years, and I am not going back in. I will continue to proudly work for acceptance of people's diversity.

Rebecca Kaplan '92

Housing Office plan for dorms threatens graduate community

The Tech's recent report on graduate student housing ["Plan gives first-year grads priority," Oct. 3] prompts us to commend you for airing an important issue.

To arrive in Cambridge at the end of the summer, perhaps from a faraway country, only to be confronted with the dreadful housing market in Cambridge or Boston is a distressing and disillusioning experience. As well as being greatly inconvenienced, one must feel unwanted. We at Ashdown will work with the housing office to alleviate the situation as much as possible, but the present proposal is bad.

The efforts of the Graduate Student Council and of MIT's Office of Housing and Food Services to make things better for incoming graduate students is to be applauded. The means by which this "new" plan was developed, however, were highly reprehensible. It was worked out in secret over the summer by a group of people that do not represent on-campus graduate students or international students at all, in spite of the fact that the GSC and the Housing Office knew perfectly well that both these groups had legitimate concerns

about portions of the plan.

Two years ago a similar plan was put forward and adopted by the same two groups, even the same individuals. It had to be withdrawn, because it was unworkable and because of fierce opposition from the on-campus community (who knew what they were talking about, but were not themselves affected by the proposed policy change). The groups developing the earlier plan showed no willingness to entertain or act on any other approaches. A policy repeatedly proposed as the best solution demands nothing of its proponents. The new proposal is not much different from the old, which is no surprise since the same group fashioned it.

To live in a graduate student community, particularly Ashdown House or Green Hall, but also Tang Hall and the other dormitories, is a very important educational experience for many. There is more to be learned than is taught in lectures or laboratories. One need only think of the immensely valuable interactions between American and international graduate students, coming from different cultures and political experiences. To us, living

among them, it is clear how much mutual learning goes on, especially at the individual level. The "new" plan would greatly diminish the effectiveness of this educational process.

The plan makes 50 percent of Ashdown residents, for example, untenured, as opposed to the present system whereby new arrivals can stay as long as their studies demand. For these 50 percent their accommodation quickly becomes a shelter only form which to seek better accommodations, not a community of peers. In our experience with the previous untenured housing policy, these untenured students quite naturally do not participate as much as a community. The effect of the new policy at Ashdown would be to greatly decrease, perhaps destroy, the community spirit that we and many others have labored to construct and perpetuate. The pool of tenured students would be too small. As it is, some 36 percent of all spaces at Ashdown are available for arriving (tenured) graduate students each September anyway, because we have so many master's candidates. The new proposal adds few spaces, yet because of the untenured arrivals the fabric of the communi-

ty is threatened for a relatively small gain.

Another group that would be greatly affected is the married graduate students with children who would be forced to make new arrangements for their children after only one year, a major dislocation of their lives.

Most people agree that the real solution to the problem of accommodating the graduate students who wish to live on campus is for MIT to build more graduate student housing, a current project of MIT's capital funds drive, Campaign for the Future. We should unite in making sure that the MIT administration is aware of the disparate need for on-campus graduate student housing and make sure that we will get his additional housing. The current graduate student housing policy does not meet the needs of all incoming students, but it does provide much more than shelter to many students. Let us not diminish or destroy what we now offer, but find more creative solutions to help all graduate students.

Beth and Vernon Ingram
Housemasters,
Ashdown House



11th Annual Career Fair and Banquet sponsored by Society of Women Engineers

Banquet
Friday, October 20
Reception - 6 pm
Dinner - 7 pm
at the Boston Marriott, Boston
Members FREE, Guests, \$15.00

Career Fair
Noon - 5 pm
Saturday, October 21
in the Sala de Puerto Rico,
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Career Fair open
to all members of the MIT community
Banquet tickets on sale in Lobby 10
Oct. 16, 17, 18 or call 253-2096.

We want YOU to give a lecture!

The MIT Educational Studies Program is running a one-weekend program of short courses and lectures for high school students this December. We're looking for both students and faculty to give lectures to these students on any topic which interests you. These lectures can be as short as an hour or as long as a ten hour intensive survey of a topic. The program is designed to give you, the MIT community, a chance to teach even if you have no experience.

ESP wants to get in touch with you! Come to our last-chance meeting on Friday, October 13th at 5:00 pm at our office in room w20-467 on the fourth floor of the Student Center, or give us a call anytime at 253-4882.



LAST CHANCE SIGNUP!

tonight, 5:00 pm
Room w20-467 in
the Student Center



The MIT Educational
Studies Program

w20-467 3-4882

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Science

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an MIT Colloquium on the scandal of scientific illiteracy

Monday, October 16, 1989

- 3:15 -- Reception in Kresge Lobby
- 4:00 -- Presentations in Kresge Auditorium
- 5:45 -- Dinner at Student Living Groups by invitation

Speakers:

Paul E. Gray
President, MIT

F. James Rutherford
Chief Education Officer
American Association for the
Advancement of Science

Sandra Spooner
Assistant Superintendent of Schools,
Cambridge, Massachusetts

Sponsored by: DORMCON • IFC • SCEP • GSC • MIT Colloquium Committee

GET SCARED!!

opinion

LETTERS TO THE EDITOR

ARA cook disregarded food freshness labeling

(Editor's note: The Tech received a copy of the following letter, addressed to Ken Miller, the general manager of Food Services.)

Throughout three years of mandatory meal plans at MIT, I have not filed a formal complaint. I have been unhappy with the food service provided by ARA many times, but have let my frustration pass, assuming I could not change the system. Finally, I must speak. ARA blatantly disregards the health of people it serves and this should be stopped.

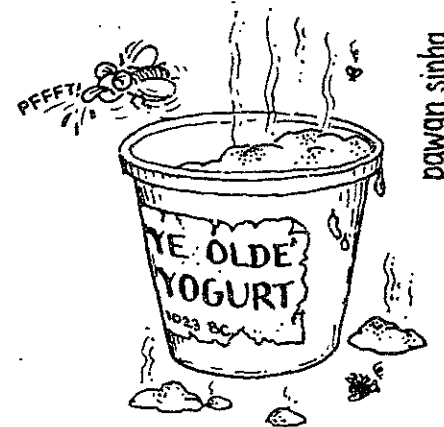
Last week at dinner at Next House, I noticed the yogurt had passed its freshness date by several days. As a worker at the Student Center coffeeshop, I know that it is not a good idea to sell

yogurt past its date, especially since the Next House dining hall keeps yogurt out unrefrigerated through the dinner hours until it sells. I mentioned that the yogurt was past its date to a student worker, who was standing next to one of the Next House cooks. The student said he would alert the manager. I suggested that the

yogurt be removed, as it is possibly illegal to sell yogurt past its date. The cook responded, "Nothing's illegal until we are sued; if someone dies and we are sued, it is illegal." Having a worker tell me that he does not care unless a student dies is evidence of ARA's gross policies.

I realize that, as a student, I have little control over whether or not ARA will be allowed to continue "serving" the MIT community. Still, if MIT is planning to continue to allow this service, they should be more respectful of students' health. Forcing hundreds of students to eat ARA food through the mandatory meal plan allows ARA to continue their poor policies with no risk or income loss. This is disgusting.

Joanne Spetz '90



WEBA's pro-life stance not hidden

In his recent column Adam Braff states that Men Exploited by Masturbation's use of off-color humor ["MEM pulls a fast one in the Infinite Corridor," Oct. 6] to expose Women Exploited by Abortion's "unstated agenda" and "surreptitious intentions" is as "noble a purpose as you'll find." This statement is ridiculous, even for something that is supposed to be funny. It relies on MEM's absurd allegations about WEBA, allegations that Braff states as facts. There is nothing funny about characterizing as an underground evil an organization dedicated to helping women avoid what its own members have found devastating.

Even strong supporters of abortion at MIT admitted their admiration for WEBA and its members.

For the record, WEBA does not attempt to hide its espousal of the pro-life position. All rational persons can determine that WEBA is pro-life from the full name of their organization: Women Exploited by Abortion. However, for the benefit of Braff and the members of MEM, I provide this quote from a WEBA pamphlet: "Our goal is to educate all women about the effects of abortion with the hope they would seek an alternative."

Joseph Reel '91

The MIT Coop Announces 7% Rebate.

On behalf of The Harvard Cooperative Society's Board of Directors, James A. Argeros, President of The Coop announced that the annual patronage rebate for the year which ended June, 1989 is 7%.

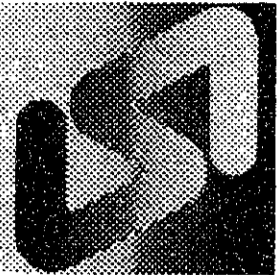
The 7% rebate is effective on all purchases made by Coop members between July 1, 1988 and June 30, 1989. Rebate checks will be available to members on the 1st Floor at the MIT Coop at Kendall Square beginning **October 11, 1989.**

The Harvard Cooperative Society, the nation's oldest bookstore cooperative, was established in 1882. The MIT community joined The Coop in 1916. The Coop now serves the MIT academic community with stores in Kendall Square and at the Stratton Center.

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**Class of 1990
Monday, October 16**

**Society of Women Engineers
Saturday, October 21**

We encourage students at all levels to attend.

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YOU ARE INVITED TO PARTICIPATE IN MIT'S REACCREDITATION REVIEW

On October 16 - 19 the New England Association of Schools and Colleges will undertake a reaccreditation review of MIT. The visiting accreditation team will attend sessions on Project Athena, the undergraduate program review, student life, enrollment, research, the libraries, and much more.

THE ACCREDITATION TEAM CORDIALLY INVITES YOU TO SCHEDULE A 15 MINUTE APPOINTMENT FOR OCTOBER 18, 2:30 - 5:00 PM TO DISCUSS EDUCATIONAL ASPECTS OF MIT

CALL LAURA MERSKY, X3-1706, BY 3:00 PM OCTOBER 16 TO SIGN UP

Michel Camilo gives fiery performance at Kresge concert

MICHEL CAMILO IN TRIO
Michael Bowie, bass, Joel Rosenblatt, drums, and Michel Camilo, keyboards.
 At Kresge Auditorium,
 Friday, October 6.

By ALI AZAR

MICHEL CAMILO TOOK TO the keyboard of the Kresge Bösendorfer last Friday evening on his first American concert date and set the stage "on fire." He opened with upbeat "Island Stomp" from his appropriately entitled second album, *On Fire*, just released last week, and continued with more pieces from this and his first album, *Michel Camilo*. Bassist Michael Bowie and drummer Joel Rosenblatt took their first extensive solos in the closer of the first set, "Caribe," after which a standing Kresge audience demanded an encore.

The second set as well had fiery moments, such as the title track from his new album with which he closed, which also received a standing ovation from the packed house. The vigorous encore again featured the flying finesse of Camilo's piano and driving Latin-flavored rhythm by Bowie and Rosenblatt.

Friday's performance was Camilo's first concert on his first American tour. It was also the first concert sponsored by the Marvin Asnes Performing Arts Fund, established in 1987 by Norma Asnes in memory of her late husband, a man very active in the MIT cultural community. In addition to the concert appearance, Camilo taught a master class on jazz improvisation at Killian Hall at noon on Friday. At that session Camilo revealed some personal insight on his path from a classical piano training in Santo Domingo, Dominican Republic, to his becoming a rising star in the modern New York jazz scene.

Camilo listened to Art Tatum and other bopsters as a youngster, and throughout his classical training relished the jazz playing style and the risk and spontaneity of

its improvisatory composition. His classical background, bebop influences, and Caribbean heritage combine to form a unique jazz style, one with virtuosic flair that at the same time swings with the drive of Latin-flavored rhythms.

Camilo's classical influence shows most when he does more lyrical ballads or blues, which he did only seldomly Friday. But, although Camilo can move and captivate with his rich, lush ballads, his real strength lies in rapidly executed jazz lines played above the jumping left hand Latin rhythm lines. Camilo's music projects the joyful attitude he holds; he really likes playing music and he exudes his pleasure to his listeners.

Camilo is quite technically proficient, but is one of the few players who, while he plays very rapidly, also has the improvisational ability to choose the right notes, and makes them swing too.

The trio worked extremely well together, highlighting a main point of Camilo's afternoon seminar: that the art of jazz greatly depends on musicians playing together, rather than just being together playing. Camilo urged the class to listen to jazz groups to see whether they communicated and played dynamically as a group. I listened; and they did.

Rosenblatt laid down the Caribbean style rhythms with clarity and sensitivity to Camilo's style, and used a colorful variety of cymbals and toms to enhance the rhythms. Bowie also played expertly, being an excellent example of how a trio bassist must play.

If you get the opportunity to hear Camilo, you will certainly find much to enjoy about his music. The only downfall is that his distinctive Caribbean sound, which sounds so fresh at first, begins to sound clichéd near the end. He plays little contrast; but he cannot seem to hold back his cheerful energy, which comes through in his playing vigor and the grin on his face. And he always finds his way back to some spicy rhythm to get your feet tapping and your blood pumping.



The Tech Performing Arts Series presents. . . GUARNERI STRING QUARTET

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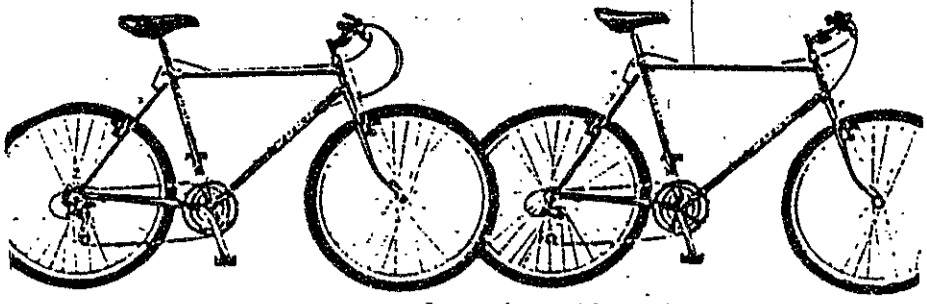
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Campus Interviews October 18, 19, 20 1989
 Sign up at the Placement Office, MIT Room 12-170

HEWLETT



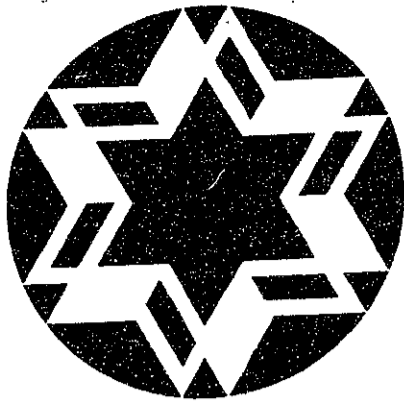
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| Sept. 25 | "Memories of High Holidays Past" (bring stories & anecdotes) |
| Oct. 2 | "Jewish Spirituality" |
| Oct. 16 | "Sukkahs, Shelters, and the Homeless" |
| Oct. 23 | "In the Beginning: A Discussion of Creation & Creationism" |
| Oct. 30 | "Demonology" |
| Nov. 6 | "The Jewish Political Agenda" |
| Nov. 13 | "Tzedakah Issues" |
| Nov. 20 | "Israeli Economics" |
| Nov. 27 | "Interfaith Relationships" |
| Dec. 4 | "The December Blues: Jewish in a Non-Jewish Society" |
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INFORMATION MEETING*

Date: October 18, 1989
Time: 7:00PM — 9:00PM
Place: Room 4-163

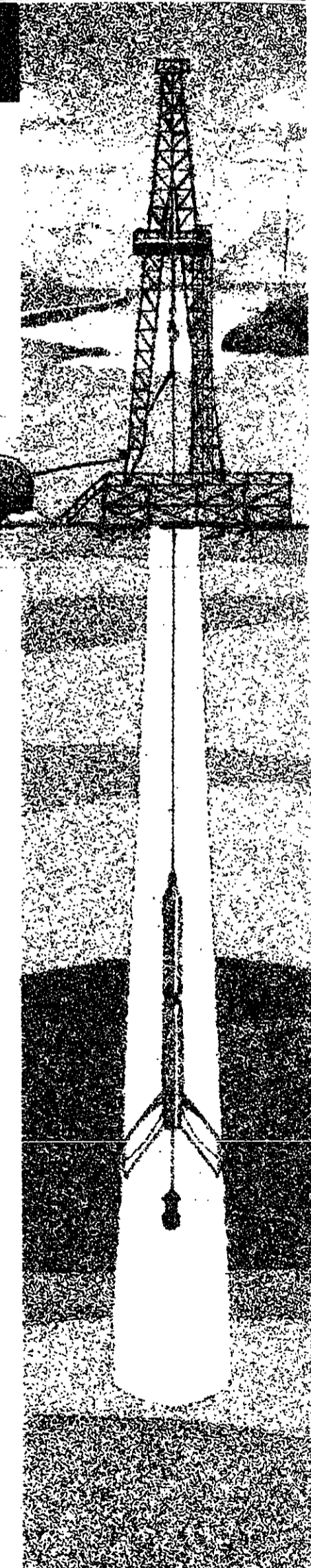
INTERVIEWING

October 19-20, 1989

*All candidates must attend Information Meeting

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It's true. A deli in LA did get a teeny bit higher rating than us in a recent national survey. Still, the S&S being named one of the nation's 100 Top Value Restaurants by the renowned Zagat Restaurant Survey is quite an honor. Besides, the S&S isn't just a great deli. We have meal-sized appetizers like spicy Buffalo Wings. Unforgettable entrees including sauteed swordfish with sun-dried tomatoes and Chicken Monterey.

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Punk not dead ten years later; PiL's Lydon brash as ever

PUBLIC IMAGE, LTD.

With Flesh for Lulu.

*At the Orpheum Theatre,
Saturday, October 7.*

By ALEX SOLIS

"D'YA WANNA SEE ME titties?" yelled John Lydon to the crowd, which responded with a loud roar. Lydon then eloquently said: "Only if you show me yours first." Some people in the crowd actually did, and Lydon seemed more than happy to oblige them. This, among much crotch handling, were just a few of the obscene antics that Lydon performed on stage this last Saturday. But who's complaining? You don't go to a concert of a group led by an ex-Sex Pistol and proclaimed father of punk and expect a family concert. The concert was loud. It was wickedly fun. It was very satisfying

rock.

The night was loud right from the beginning when the opening act, Flesh for Lulu, hit the stage. Their performance was not ideal, but it was powerful. Some of their songs tended to be a bit monotonous at times; all loud screeching guitars with little sense of melody. Although the intimate Orpheum Theatre wasn't yet full at the time, they managed to get the scattered crowds dancing and singing along to some of their songs. The most notable performance was that of "I want you now." Another standout was the performance of their new single "Decline and Fall." When their set ended the lead singer went out saying, "Goodbye Boston. We'll see you again soon," but I won't hold my breath.

After a short intermission PiL, dressed in fluorescent clothes, entered the stage to the roar of the then full Orpheum. John Lydon greeted the crowd with a simple

"Hello Boston" followed by some expletives. The crowd loved it. The band began the set with an excellent rendition of their latest single, "Warrior." They then moved on to "Happy?" which had the crowd cheering and dancing merrily along. The band went on to play most of their last album, 9, and some vintage Sex Pistols music.

The most brilliant performance was of, as Lydon quaintly put it "an oldie but goldie," "Rise." The crowd danced and sang and let itself be manipulated by Lydon who periodically screamed: "Are you f---ing dead? Can't you bloody sing?" The crowd was having a great time.

The band then moved on to an excellent rendition of "Disappointed" which left the crowd hungry for more, and Lydon knew it. As he left the stage he teased the crowd, "Now, who are we kidding? We know that we are going to come back out.

But we'll let you clap on for about 10 minutes," and so they did. The band appeared on stage again for two encores.

Saturday's show was thoroughly satisfying. Critics say that Lydon has sold out, moved out of his punk roots and into mainstream pop. They point out his involvement with former New Order (and occasionally Madonna) producer Stephen Hague. Saturday's show indicated that they were utterly wrong. If anything Lydon has expanded his musical horizons. The music is much more melodic but it still is strong, loud and innovative. In addition he seems much more confident with his music. Some credit this to his recent marriage but whatever the reason it is a welcome improvement. When Lydon sang: "Is everybody h-h-ha-ha-happy?" the message from the crowd was clearly "Yes!" John Lydon, punk (or whatever you may call it) on!

The Tech Performing Arts Series announces... AMAZING CONCERT SUBSCRIPTION OFFER! SINFONOVA CHAMBER ORCHESTRA \$48 SUBSCRIPTIONS FOR ONLY \$12!

The Tech Performing Arts Series invites the MIT community to subscribe to the exciting new Sinfonova season at a 75% discount.

The season kicks off October 27 with Steven Lubin joining the orchestra for a performance of Beethoven's *Piano Concerto No. 3*. Lubin's recent recordings of the complete Beethoven piano concertos with the Academy of Ancient Music, conducted by Christopher Hogwood are spellbinding. The Penguin CD guide has rated his recordings first choice above several famous name pianists.

Subscribers are invited to meet the pianist and conductor at a post-concert reception (location to be announced).

January's program is highlighted by a performance of the Haydn *Cello Concerto* by Soviet cellist Souren Bagradouni, who made a big impact during the Soviet-US Exchange Festival held in Boston last year. His tone is fabulous, his interpretation subtle. In April another Soviet virtuoso — Vladimir Krainev — will be in town to play works by Shostakovich and Schnittke.

Sinfonova won two awards last season; we hope you'll subscribe for a new season which will be at least equally enthralling.

The MIT subscription price is only \$12 for a subscription normally priced at \$48. For orders

of 10 subscriptions or more on one form, the price is \$11 per subscription — ideal for living groups.

Please send your subscription form and check made payable to "Sinfonova" for \$12 per subscription (\$11 each for 10 or more subscriptions) to Jonathan Richmond at MIT Room 1-090, indicating your MIT affiliation (undergraduate student, graduate student, faculty or staff).

Subscription forms are available at The Tech and Technology Community Association and the first floor information desk in the Student Center, in the Music Library, and from the Wiesner Building, Room E15-205.



On Campus

Time — 10am - 3pm

Place — Lobby 13

Date — Thursday, October 26, 1989

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A R T S

On The Town

Compiled by Peter Dunn

Friday, Oct. 13

CONTEMPORARY MUSIC
Meatloaf performs at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$8.50. Telephone: 451-1905.

Crazy Head performs at 7 pm in an all ages show at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

Treat Her Right and Blue Rodeo perform in an 18+ ages show at 8 pm and a 21+ ages show at 11 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

CRITIC'S CHOICE
The Neighborhoods, The Bristol, Life In Networks, and Roots and Crosses perform at the Rat, 528 Commonwealth Avenue, Boston. Telephone: 247-3369.

The Motor City Rhythm Kings perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Winter Hours, Full Fathom Five, and Hiding In Public perform at 8 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Royal Crescent Mob, Savage Garden, and Velociraptor perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Cool Runnings perform at the Western Front, 343 Western Avenue, Cambridge. Also presented Saturday, October 14. Telephone: 492-7772.

Witch Doctor and Big Train perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$4.50/\$5.50. Tel: 426-7744.

JAZZ MUSIC
CRITIC'S CHOICE
The Dave Brubeck Quartet performs at 8 pm at Durgin Hall, University of Lowell Center, for the Arts, near Routes 3 and 1-95. Tickets: \$11 to \$15, general, \$5.50 to \$7.50 students. Telephone: 508-934-4444.

CRITIC'S CHOICE
Stephane Grappelli performs at 7:30 & 9:30 in the Charles Ballroom of the Charles Hotel, Harvard Square, Cambridge. Tickets: \$17.50. Tel: 876-7777.

EXHIBITS
Richard Ross: Museology Triptychs, photographs taken with a child's plastic camera to capture details of old master paintings from museums around the world, opens today at the List Visual Arts Center, MIT Wiesner Building E15. Continues through November 19 with gallery hours weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

FILM & VIDEO
The MIT Lecture Series Committee presents Akira Kurosawa's *Rashomon*, starring Toshiro Mifune, at 7:30 in 10-250 and *Mississippi Burning* (Alan Parker) at 7:00 & 10:00 in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Brattle Theatre presents *Present Memory* (1989, Richard Broadman) at 7:30 & 9:15. Also presented October 14 and 15 at 1:00, 2:45, 4:30, 6:15, 8:00, & 9:45. Located at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children. Telephone: 876-6837.

CRITIC'S CHOICE
The Somerville Theatre presents *Field of Vision* (1988, J. S. Bach) at 7:00 & 9:30. Continues through October 22 with *Conversations* Monday-Wednesday at 7:00, Thursday-Friday at 7:00 & 9:30, Saturday at 4:00, 7:00, & 9:30, and Sunday at 4:00 & 7:00. Located at 51 Davis Square, Somerville, just north of the Davis Square T-stop on the red line. Admission: \$5 general, \$3 seniors and children. Telephone: 625-1081.

The Institute of Contemporary Art continues its series *Pier Paolo Pasolini: A Cinema of Poetry with The Earth Seen from the Moon* (1966), *What Are Clouds?* (1967/68), *The Paper Flower Sequence* (1968/69), and *Cream Cheese* (1962/63) at 7:30. Located at 955 Boylston Street, Boston. Admission: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

The Cambridge Center for Adult Education continues its series *Family Matters: Films of the 1980's with Three Brothers* (1982, Francesco Rosi, Italy) at 7 pm & 9 pm. Located at 56 Brattle Street, Cambridge. Admission: \$3.50. Telephone: 547-6789.

The Harvard Film Archive continues its series of *Films of Raul Ruiz with Treasure Island* (1985, France) at 7 pm and *Snakes and Ladders* (1980, France) & *The Hypothesis of the Stolen Painting* (1978, France) at 9 pm. Screenings at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$2 seniors and children, \$5/\$4 for the double feature. Telephone: 495-4700.

The Museum of Fine Arts continues its retrospective of *Anna Magnani films* with *Volcano* (1950, William Dieterle, Italy) at 6 pm and *Bellissima* (1952, Luciano Visconti, Italy) at 8 pm. Screenings in Remis Auditorium, MFA, 465 Huntington Avenue, Boston. Admission: \$4 general, \$3.50 MFA members, seniors, and students. Telephone: 267-9300.

The Boston Film/Video Foundation continues its film series *Subjective Objectivity: The Changing Nature of the Documentary* with *Far from Poland* (Jill Goldmillow) at 8 pm. Located at 1126 Boylston Street, Boston. Admission: \$5 general, \$4 BF/VF members, seniors, and students. Telephone: 536-1540.

CLASSICAL MUSIC
Mezzo-soprano Jocelyn Kalajian and pianist Larissa Sokoloff perform works by Ravel, Mahler, Brahms, and Vaughn Williams as part of the *Voices at Noon* series at 12:05 in Killian Hall, MIT Hayden Memorial Library Building. No admission charge. Telephone: 253-2906.

CRITIC'S CHOICE
The Boston Symphony Orchestra, Seiji Ozawa conducting, performs Mahler's *Symphony No. 9* at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Tickets: \$17, \$22, \$31, and \$45. Telephone: 266-1492.

Trevor Pincock and the English Concert perform works by Handel, J. S. Bach, and Telemann at 8 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Telephone: 536-2412.

THEATER
Hal Holbrook in "Mark Twain Tonight!" is presented at 8 pm at the Opera House, 539 Washington Street, Boston. Also presented Saturday, October 14. Tickets: \$15, \$22, and \$28. Telephone: 482-2595.

DANCE
CRITIC'S CHOICE
Boston Ballet performs *Romeo and Juliet* at 8 pm at the Wang Center, 270 Tremont Street, Boston. Continues through October 22 with performances Thursday-Saturday at 8 pm and matinees Saturday & Sunday at 2 pm. Tickets: \$19.50 to \$46.50 general, \$10.50 student-rush. Telephone: 787-8000.

Angelika Oei performs in *Oidan*. *Skrøbea* as a presentation by Dance Umbrella at 8 pm at Emerson Majestic Theatre, 217 Tremont Street, Boston. Also presented October 14. Tickets: \$14 and \$18 general, 15% discount to seniors and students on evening of the performance. Telephone: 491-7377.

The Semaphore Dancetheatre perform *Evening in Luns* and *The Drowning of Dr. Schreiber* at 8 pm in Anderson Auditorium, School of the Museum of Fine Arts, 230 The Fenway, Boston. Also presented October 14 and 15. Telephone: 267-6100 ext. 655.

Saturday, Oct. 14

DANCE
Flamenco Al Aire Libre and singer José Antonio perform in a flamenco show at 7:30 at the Middle East Restaurant, 472 Massachusetts Avenue, Central Square, Cambridge. Admission: \$5. Telephone: 354-3894.

CONTEMPORARY MUSIC
Tribe, Big Barn Burning, Delusions of Grandeur, The Apparitions, and Crime & Punishment perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$6.50 advance/\$7.50 at the door. Tel: 451-1905.

O Positive, The Amazing Mudsharks, and Miles perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Big Town, Dresden Dance, Vow Of Silence, The Hipsters, and Wow Am I Tired perform at the Rat, 528 Commonwealth Avenue, Boston. Tel: 247-8309.

The Wagoners and Kelly Willis & Radio Ranch perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Right Time and Chuck Norris & The Sidewalk Blues Band perform at 7:30 at Necco Place, near South Station in downtown Boston. Tickets: \$5.50/\$6.50. Tel: 426-7744.

FILM & VIDEO
The MIT Lecture Series Committee presents *Dream Team* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Harvard Film Archive begins its *Saturday Matinee* series with *A Trip to the Moon* (1902, Georges Méliès, France) and *Elephant Boy* (1937, Robert Flaherty & Zoltan Korda), starring Sabu, at 2 pm. The HFA also continues its series of *Films of Raul Ruiz with Life Is A Dream* (1986, France) at 7 pm and *Three Sad Tigers* (1968, Chile) at 9 pm. Screenings at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$2 seniors and children, \$5/\$4 for the Raul Ruiz double feature. Telephone: 495-4700.

CRITIC'S CHOICE
The Institute of Contemporary Art continues its series *Pier Paolo Pasolini: A Cinema of Poetry with The Confessions of a Paet, Ezra Pound, Culture and Society, Pier Paolo and Totò, and Conversation at 5:00, Seeking Locations for the Film "The Gospel According to Matthew"* at 7:00 and *The Gospel According to Matthew* (1964) at 8:30. Located at 955 Boylston Street, Boston. Admission: \$5 general, \$4 ICA members, seniors, and students. Tel: 266-5152.

The Boston Film/Video Foundation continues its film series *Subjective Objectivity: The Changing Nature of the Documentary* with *Reassemblage* (Trinh Minh-ha) and *Of Snakes, Moons and Frogs* (C. L. Monroe). Located at 1126 Boylston Street, Boston. Admission: \$5 general, \$4 BF/VF members, seniors, and students. Telephone: 536-1540.

CLASSICAL MUSIC
The Boston Symphony Orchestra, Seiji Ozawa conducting, performs Shostakovich's *Violin Concerto No. 1* and Mendelssohn's *Symphony No. 5, "Reformation"* at 8 pm in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Also presented Tuesday, October 17. Tickets: \$17 to \$45. Telephone: 266-1492.

The Boston University Concert Choir performs at 8 pm at the Tsai Performance Center, 685 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3345.

Sunday, Oct. 15

CONTEMPORARY MUSIC
Chad Crumm, Kip Martin, Mary Dee, and George Gossett perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

CLASSICAL MUSIC
Pianist Charles Fisk performs Schubert's last three sonatas at 8 pm in Jovett Auditorium, Wellesley College, Wellesley. No admission charge. Tel: 235-0320 ext. 2028.

CRITIC'S CHOICE
The Garrison String Quartet performs works by Haydn, Lutoski, and Schumann at 3 pm in Jordan Hall, New England Conservatory, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$20 and \$22. See also reduced-price tickets offered through The Tech Performing Arts Series. Telephone: 536-2412.

Chamber Music/L.A. Festival Ensemble, Henri Lazarof conducting, perform *Recent Chamber Works of Henri Lazarof* at 8 pm in Jordan Hall, New England Conservatory of Music, 30 Gainsborough Street at Huntington Avenue, Boston. Tickets: \$5 to \$15. Telephone: 536-2412.

The Mendelssohn String Quartet performs at 3 pm at the Gardner Museum, 280 The Fenway, Boston. Admission: \$5 general, \$2.50 seniors and students. Telephone: 566-1401.

Organist Herndon Spillman performs works by Bach, Couperin, and others at 5:30 in Adolphus Busch Hall, 29 Kirkland Street, Cambridge. Admission: \$5 general, \$4 seniors and students. Telephone: 495-4544.

FILM & VIDEO
The MIT Lecture Series Committee presents *Hoosiers* at 7 pm & 10 pm in 26-100. Admission: \$1.50. Telephone: 258-8881.

The Harvard-Epworth Church presents Alfred Hitchcock's *The Ring* (1927) at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge, just north of Harvard Square. Admission: \$3 contribution. Telephone: 354-0837.

The Harvard Film Archive continues its series of *Films of Raul Ruiz with Life Is A Dream* (1986, France) at 4 pm and *Treasure Island* (1985, France) at 7 pm. The HFA also continues its *Non-Fiction* film series with *Land Without Bread* (1932, Luis Bunuel, Spain) and *Los Olvidados (The Young and the Damned, 1950, Luis Bunuel, Mexico)* at 5 pm in Room B-04. Screenings at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$2 seniors and children, \$5/\$4 for a double feature. Telephone: 495-4700.

The Institute of Contemporary Art continues its series *Pier Paolo Pasolini: A Cinema of Poetry with Audiovisual Interviews - Program 2: Class 3-B: Roll-call, in the Heart of Reality, Pasolini directing Maria Callas on the Set of "Medea," The Face of the City, and 10.31.75: Last Interview* at 5 pm, *Hawks & Sparrows* (1965/66) and *Toto at the Circus* (1965/66) at 8 pm, and *Oedipus Rex* (1967) at 10 pm. Located at 955 Boylston Street, Boston. Admission: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

COMEDY
ImprovBoston performs at 7:30 at Play It Again Sam's, 1314 Commonwealth Avenue, Brighton, on the Boston College green line. Performances continue every Sunday night. Tickets: \$6. Telephone: 576-2306.

Monday, Oct. 16

CONTEMPORARY MUSIC
CRITIC'S CHOICE
ImprovBoston performs at 8 pm & 10 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Also presented Tuesday, October 17. Telephone: 497-8200.

Liquidara performs in an 18+ ages show at 9 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Shelly Thunder performs at the Hub Club, 533 Washington Street, Boston. Telephone: 451-6999.

CLASSICAL MUSIC
The Boston Conservatory Orchestra, Ronald Feldman conducting, performs Beethoven's *Fifth Symphony* and Debussy's *Children's Corner Suite* at 8 pm in Scully Hall, Boston Conservatory, 8 The Fenway, Boston. No admission charge. Telephone: 536-6340.

The Mendelssohn String Quartet performs works by Mozart, Schnittke, and Mendelssohn at 8 pm at the Houghton Library, Harvard University.

Pianist Luis Baille performs works by Angles, Rodriguez, Haydn, Beethoven, Villa-Lobos, Pietrafesa, and Schubert as part of the *Longy Faculty Artist Series* at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, Follen and Garden Streets, Cambridge. No admission charge. Telephone: 876-0956.



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ARTS

On The Town

Compiled by Peter Dunn

JAZZ MUSIC
The Boston University Jazz Lab Band performs at 8 pm at the Tsai Performance Center, 685 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3345.

FILM & VIDEO
The Brattle Theatre continues its Monday film series *Femmes Fatales* with *Out of the Past* (1946, Jacques Tourneur), starring Jane Greer, at 4:15 & 8:00 and *Angel Face* (1953, Otto Preminger), starring Jean Simmons, at 6:10 & 9:50. Located at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children (good for the double feature). Tel: 876-6837.

*** CRITIC'S CHOICE ***
The Harvard Film Archive continues its Monday series of *Soviet Cinema* with a Sergei Eisenstein double bill, *Ten Days That Shook the World* (1927, USSR) at 5:30 and *Que Viva Mexico* (1935-37, USSR) at 8:00. Screenings at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$2 seniors and children, \$5/\$4 for the double feature. Telephone: 495-4700.

The Institute of Contemporary Art continues its series *Pier Paolo Pasolini: A Cinema of Poetry* with *Pigsty* (1968/69) at 7:30. Located at 955 Boylston Street, Boston. Admission: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

Tuesday, Oct. 17

CLASSICAL MUSIC
Pianist *Clive Swanson* performs works by Sir Michael Tippett and Schumann at 6 pm at the Gardner Museum, 280 The Fenway, Boston. Admission: \$5 general, \$2.50 seniors and students. Telephone: 566-1401.

FILM & VIDEO
The Harvard Film Archive continues its Tuesday series *Images of Women on Film* with Joseph von Sternberg's *Scarlet Empress* (1934), starring Marlene Dietrich, at 5:30 & 8:00. Screenings at the Carpenter Center for the Visual Arts, Harvard University, 24 Quincy Street, Harvard Square, Cambridge. Admission: \$3 general, \$2 seniors and children, \$5/\$4 for the double feature. Telephone: 495-4700.

The Brattle Theatre continues its Tuesday series *Showcasing Independent Filmmaking* with *Kamikaze Hearts* (1986, Juliet Bashore) at 8:00 & 9:45. Located at 40 Brattle Street, Harvard Square, Cambridge. Admission: \$5 general, \$3 seniors and children. Telephone: 876-6837.

The Institute of Contemporary Art continues its series *Pier Paolo Pasolini: A Cinema of Poetry* with *Theorem* (1968) at 7:30. Located at 955 Boylston Street, Boston. Admission: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

CONTEMPORARY MUSIC
Pieces, Taupier, and Crystal Talton perform at 8 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

The Grab Brothers and Brian Washburn perform at 7:30 at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$2.50. Telephone: 426-7744.

Ongoing Theater

Agnes of God. John Pielmeier's religious mystery drama, continues through October 15 as a presentation of The Actors' Equity Members' Project at the Leland Center, Boston Center for the Arts, 539 Tremont Street, Boston. Performances are Thursday-Saturday at 8 pm, Sunday matinee at 2 pm. Tickets: \$8. Telephone: 720-3434.

Antigone. Sophocles's 2400-year-old drama of conscience, updated to the moral dilemma of the crisis in the Middle East, continues through October 14 as a presentation of the New Boston Theatre at The Performance Place, 277 Broadway, Somerville. Performances are Thursday-Saturday at 8 pm. Tickets: \$10 general, \$8 students. Telephone: 623-5510.

Bedroom Farce. Alayn Ayckbourn's award-winning comedy of marital discord, continues through October 22 at the Lyric Stage, 54 Charles Street, Boston. Performances are Wednesday-Thursday at 8:00, Saturday at 5:00 & 8:30, and Sunday at 3:00. Tickets: \$13.50 to \$17. Telephone: 742-8703.

Forbidden Broadway 1989. The latest updated version of Gerard Alessandrini's musical comedy revue, continues indefinitely at the Terrace Room, Boston Park Plaza Hotel. Performances are Tuesday-Friday at 8 pm, Saturday at 7 pm & 10 pm, and Sunday at 3 pm & 6 pm. Tickets: \$16.50 to \$24.50 depending on performance. Telephone: 357-8384.

Hyde Park. James Shirley's comedy of courtship, continues through October 22 as a presentation of the Huntington Theatre Company at the Boston University Theatre, 264 Huntington Avenue, Boston. Tickets: \$14 to \$29. Tel: 266-3913.

*** CRITIC'S CHOICE ***
Into the Woods. Stephen Sondheim and James Lapine's musical about what happens to fairy-tale characters after the happy endings, continues through October 22 at the Colonial Theatre, 106 Boylston Street, Boston. Performances are Tuesday-Saturday at 8 pm with matinees Thursday & Saturday at 2 pm and Sunday at 3 pm. Tickets: \$20 to \$45. Telephone: 720-3480.

Kiss of the Spiderwoman. The tale of two dissimilar political prisoners, continues through October 29 as a presentation of the Boston Theatre Workshop at the C. Walsh Theatre, 55 Temple Street, Boston. Performances are Thursday-Saturday at 8 pm and Sunday at 7 pm. Tickets: \$10. Telephone: 573-8680.



Violinist Stephane Grappelli performs at the Charles Hotel Ballroom on Friday, October 13.

The Night of the Iguana. Tennessee Williams's raucous collision of the unlikely trio of a defrocked minister, a tough widow, and a maiden lady prattler, continues through October 22 at the Springhold Theater, Brandeis University, Waltham. Performances are October 13-14 & 20-21 at 8 pm, October 15 at 7 pm, October 18 & 19 at 10 am, and October 22 at 3 pm. Telephone: 736-3400.

Nonsense. depicting the talent show staged by the Little Sisters of Hoboken in order to raise money to bury four of their number currently in the convent freezer, continues indefinitely at the Charles Playhouse, 74 Warren Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, matinees Thursday at 2 pm and Sunday at 3 pm. Tickets: \$15.50 to \$26.50. Telephone: 426-6912.

Out Bran and Remembrance. Boston Baked Theatre's latest collection of musical and satiric sketches, continues indefinitely at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Performances are Friday at 8:15 and Saturday at 7:00 & 9:15. Tickets: \$13.50 to \$15. Telephone: 628-9575.

*** CRITIC'S CHOICE ***
Tru. Jay Presson Allen's poignant, roller-coaster comedy with Robert Morse as Truman Capote, continues through October 14 as a presentation of the American Repertory Theatre, 12 Holyoke Street, Harvard Square, Cambridge. Performances are Tuesday-Saturday at 8 pm and Sunday at 2 pm & 7 pm. Tickets: \$14 to \$28. Telephone: 547-8300.

Murder at Rutherford House. the amusing audience-participation murder mystery, continues indefinitely at the Wilbur Theatre, 246 Tremont Street, Boston. Performances are Thursday-Saturday at 8 pm, matinees Saturday-Sunday at 2 pm. Tickets: \$33.50 to \$37.50 (includes dinner). Telephone: 423-4008.

Shear Madness. the long-running comic murder mystery, continues indefinitely at the Charles Playhouse, 74 Warren Street, Boston. Performances are Tuesday-Friday at 8:00, Saturday at 6:30 & 9:30 pm, and Sunday at 3:00 & 7:30 pm. Tickets: \$16 and \$19. Telephone: 426-6912.

Steel Magnolias. Robert Harling's off-Broadway play about the lives of six women in a small Louisiana town, continues through October 22 at the Wilbur Theatre, 246 Tremont Street, Boston. Performances are Tuesday-Saturday at 8 pm with matinees on Thursday & Saturday at 2 pm and Sunday at 3 pm. Tickets: \$25 to \$37.50. Tel: 426-9366.

Tennessee Williams's A Streetcar Named Desire continues through October 19 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Performances are Thursday & Friday at 8:00; Saturday at 5:00 & 8:30, and Sunday at 2:00. Tickets: \$10 and \$15. Telephone: 482-6316.

Tennessee Williams's Sweet Bird of Youth continues through November 5 at the Back Alley Theatre, 1253 Cambridge Street, Cambridge. Performances are Thursday-Sunday at 8 pm. Tickets: \$12 general, \$10 seniors and students. Telephone: 491-8166.

Ongoing Exhibits

ON CAMPUS
Trouble in Paradise. New England artists addressing topical political and social issues through a variety of mediums, continues through November 19 at the List Visual Arts Center, MIT Wiesner Building E15. Gallery hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

*** CRITIC'S CHOICE ***
Image and Imagination: 150 Years of Photography. an exploration of the evolution of the technology of photography, continues through December 31 at the MIT Museum Building, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

Holographs: Types and Applications. drawn from the work of MIT Media Lab's Spatial Imaging Group, continues at the MIT Museum, 265 Massachusetts Avenue. Museum hours are Tuesday-Friday 9-5 and weekends 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

Lahore: The City Within. an exploration of the cultural, artistic, and architectural center of Pakistan, continues through December 17 at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and weekends 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

Remo Campopiano: In Residence. featuring a room-size installation including a coffee-table landscape inhabited by a colony of live ants, continues through November 19 at the List Visual Arts Center, MIT Wiesner Building E15. Gallery hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

OFF CAMPUS

Style and Science: Examining a Polysketan Sculpture. examining the most important sculpture in the Wellesley College Museum collection: **Giorgio Vasari's Holy Family: Master and Pupil in a Renaissance Workshop.** examining a Renaissance masterpiece; and **150 Years of Photography, Part I: Invention** all continue through October 22 at the Wellesley College Museum, Jewett Arts Center, Wellesley. Museum hours are Monday-Saturday 10-5 and Sunday 2-5. No admission charge. Telephone: 235-0320 ext. 2051.

Landscape Photographs. a selection of rare, turn-of-the-century photographs from the collection of the Frances Loeb Library, continues through October 28 at the Gund Hall Gallery, Harvard University Graduate School of Design, 48 Quincy Street, Cambridge. Gallery hours are Monday-Friday 9-5, and Saturday-Sunday 12-5. No admission charge. Telephone: 495-9340.

To the Limit continues through October 22 at the Mugar Omni Theater, Boston Museum of Science, Science Park, Boston. Screenings are Tuesday-Sunday 11 am, 1, 2, 3, 7, 8 pm, and Saturday-Sunday 4, 5, 6 pm. Admission: \$6 general, \$4 seniors and children. Telephone: 589-0100.

Ceramics/Jewelry 1989. works by Vaughan Smith, Jacqueline Cohen, Ami Hirata, Gayle Prunhuber, Shirley Drevich, Celia Landman, Michele Krespi, and Christine White continues through November 5 at Ten Arrow Gallery, 10 Arrow Street, Cambridge. Gallery hours are Monday-Saturday 10-6, Thursday 10-9, and Sunday 1-5. Tel: 876-1117.

*** CRITIC'S CHOICE ***
Mary Cassatt: The Color Prints. 23 major color prints shown in groups of up to nine versions, continues through November 5 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Lucas Samaras: Objects and Subjects 1969-1986 continues through November 12 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Capturing and Image: Collecting 150 Years of Photography. containing nearly 150 outstanding photographs offering a selective overview of the history of expressive photography, continues through December 17 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

Textile Masterpieces. a selection of beautiful and important textiles from Europe, Asia, North America, and Peru, continues through December 31 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300.

*** CRITIC'S CHOICE ***
Computer Art in Context: SIGGRAPH '89 Art Show. featuring two-dimensional works, moving sculpture, interactive environments, animation, and poly-dimensional works on videotape, continues through January 4 at The Computer Museum, 300 Congress Street, Boston. Museum hours are Tuesday-Sunday 10 am-5 pm. Admission: \$5 general, \$4 students and seniors, free to children under 5. Telephone: 423-6758.

Upcoming Events

The Waterboys at the Orpheum Theatre on October 22 and 23. **Bob Dylan** at the Opera House on October 23, 24, and 25. **David Byrne** at the Orpheum Theatre on October 26 and 27. **Billy Bragg** at Brandeis University on October 27. **Martha Graham Dance Company** at the Wang Center, October 27 to 29. **The Earthmies** at the Worcester Centrum on November 7. **Stevie Ray Vaughn & Double Trouble** and **Jeff Beck** at the Worcester Centrum on November 8. **The B-52's** at the Orpheum Theatre on November 9 and 10. **Spyro Gyra** at the Berklee Performance Center on November 19.

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- see your work applied to major commercial and government projects
- contribute to an emerging field
- get your paycheck... plus stock options!

You should consider employment at MIL 3, Inc., a pioneer in computer-aided-engineering systems for the telecommunications industry. We are currently seeking software engineers and technical communications specialists who are graduating in December. Sign up for interviews at the MIT Career Office.



MIL 3, Inc.
3400 International Drive, N.W.
Washington, D.C. 20008
Tel: (202) 364-8390

M

icrosoft Technical Presentation

Don MacLaren

Lead Software Design Engineer,
Advanced Compiler Development

“Compiler Architecture and Optimization
Technology for RISC Microprocessors”

Thursday, October 19

Room 4-270

4:30 pm

Refreshments following.

Microsoft

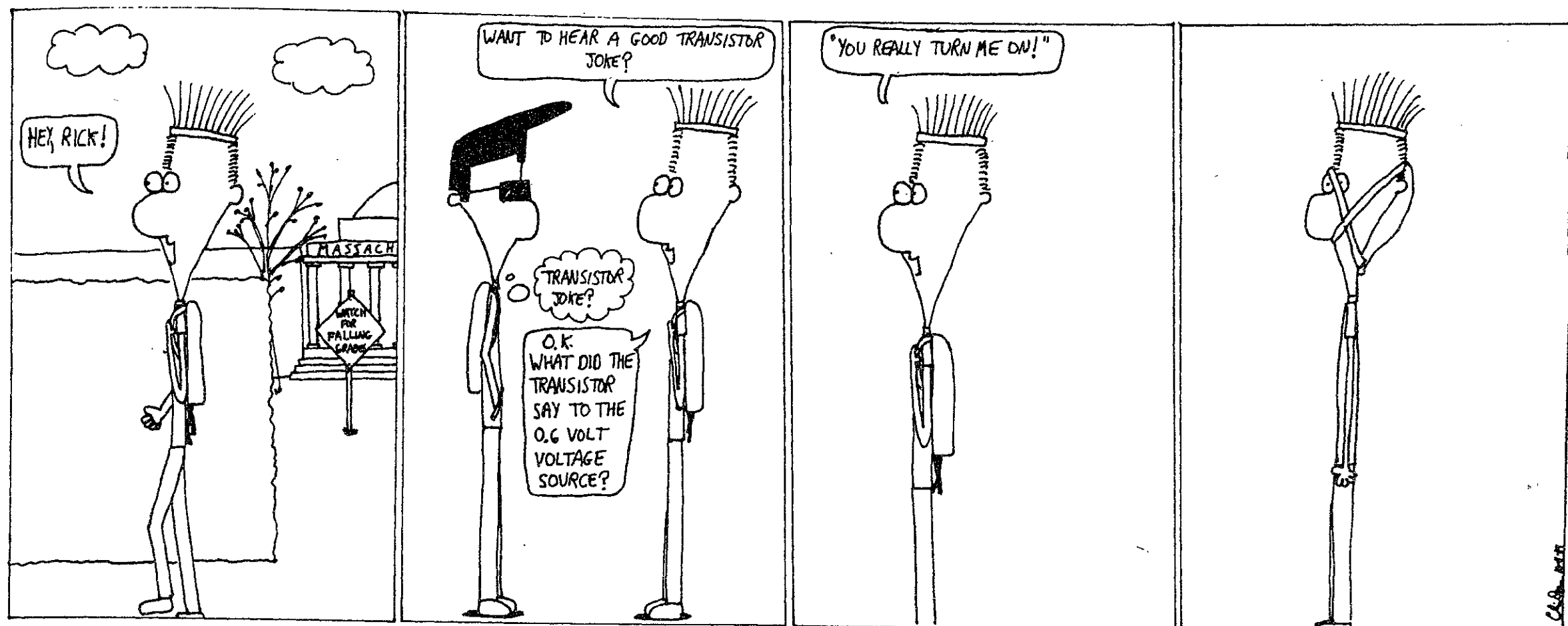
We are an equal opportunity employer.

**HARDCORE
SOFTWARE**

comics

Nick

By Chris Doerr



classified advertising

Classified Advertising in The Tech: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Sexually Transmitted Disease
Confidential testing and treatment of STD's and AIDS. Also general medical care. Private office. Robert Taylor, M.D., 1755 Beacon Street, Brookline, 232-1459.

Car for Sale
Chevy Malibu '76, automatic transmission, power steering, a/c. 125K miles, recently passed inspection. Selling for \$450. Call 547-2245 and leave message.

Campus Reps Needed
Earn big commissions and free trips by selling Nassau/Paradise Island, Cancun, Mexico, Jamaica & Ski trips to Vermont & Colorado. For more information call toll free 1-800-344-8360 or in CT 203-967-3330.

Is It True You Can Buy jeeps for \$44 through the US Government? Get the facts today! Call 1-312-742-1142. Ext. 5890.

Hatchback for Sale
Renault Encore Hatchback '84, automatic, good condition, 1 owner, new brakes/muffler/radio/tape, Chapman, front wheel drive, fuel injected, catalytic converter shot, all records intact, \$1500/b.o. Call Bonnie x3-7836, 646-4670.

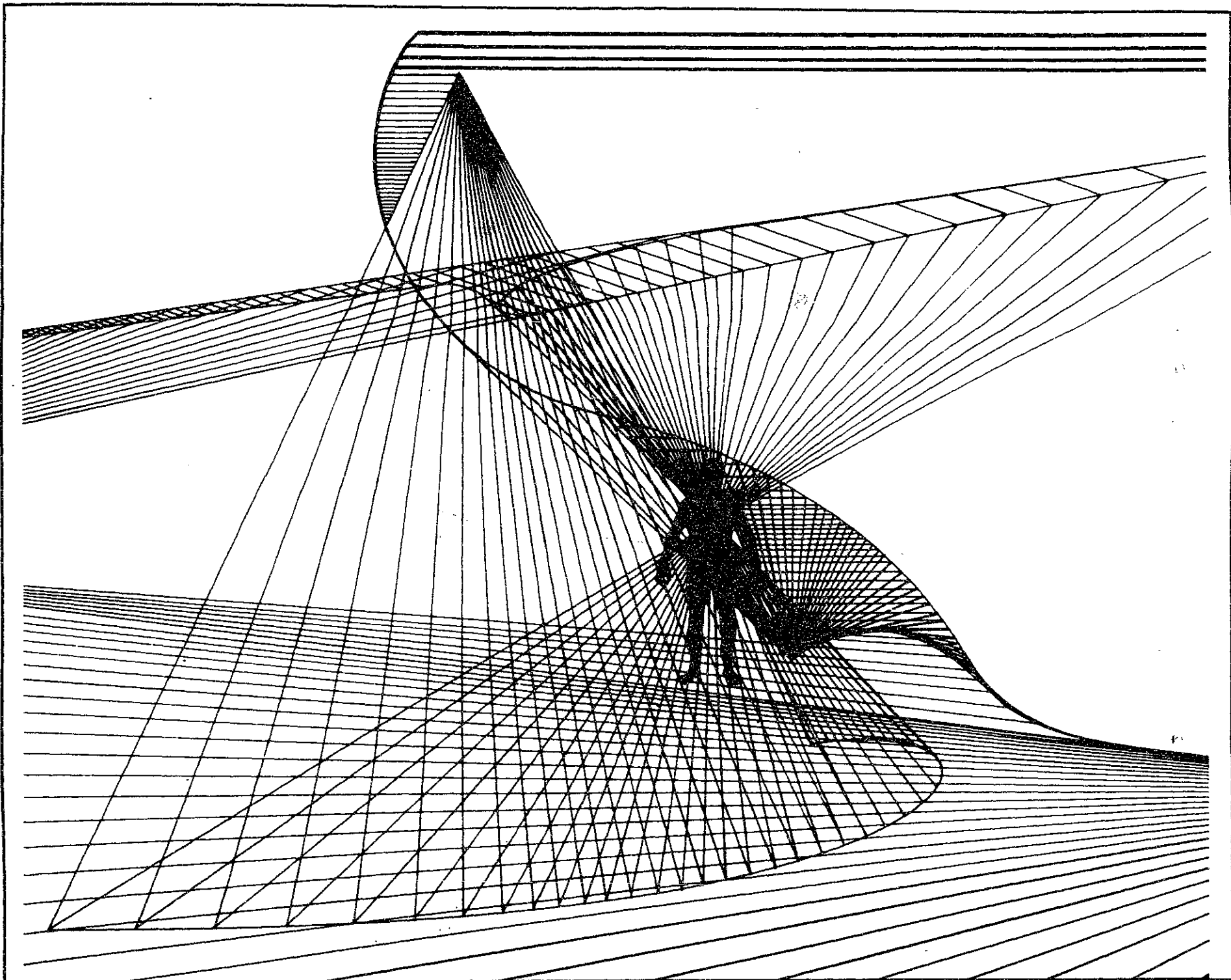
Campus Representatives needed for 'Spring Break 90' programs to Mexico-Bahamas-Florida & S. Padre Island - Earn Free Vacation Plus \$\$\$.

Guitar Lessons
Play better, learn faster, understand more. Experienced professional musician and former Berklee tutor offering instruction in Blues, Jazz, Folk, Rock and other styles. Focus on musical and technical skills. Call Brian Seeger at 661-8764.

a b c & words, etc.
Letters, reports, manuscripts, theses, resumes. Academic manuscripts and formats my specialty. All work laser-printed. 24 hour rush service available. Ask for Sharon at (617) 738-6442.

MACINTOSH SE - Four MEG RAM, 20 MEG internal and external hard drives, internal and external 800K floppy drives, system saver, software, and more. Only \$3000 or B.O. Call Jon at 247-4914 today after 6:00pm.

The Tech Subscription Rates: \$17 one year 3rd class mail (\$32 two years); \$44 one year 1st class mail (\$86 two years); \$49 one year foreign; \$8 one year MIT Mail (2 years \$15). *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139. Prepayment required.



"Kimberly-Clark Is Discovery"

At Kimberly-Clark there is an environment of Discovery . . . discovering new products for new markets . . . discovering new technologies and better ways to do things . . . discovering answers to questions which have never been asked.

Discovery requires individuals who are willing to probe the unknown...at Kimberly-Clark the quest for Discovery never ends.

Scientists

Kimberly-Clark will be holding on campus interviews **WEDNESDAY, OCTOBER 25, 1989** at the Career Placement Office.

Discover your future at Kimberly-Clark.



(See Placement Office for specific information)
an equal opportunity employer

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**QUEEN'S
UNIVERSITY ALUMNI
BOSTON AREA...**



You're invited to the fall pub nights at the Black Rose Pub, 50 Church St. in Cambridge. Dates: Oct. 12, Nov. 9, and Dec. 14, starting at 8 p.m. Friends and spouses welcome.

Any alumni interested in an "orientation" package and introduction to Boston, or information about the pub nights, please contact: Karen Churchill (617) 434-1564 or John Redding (508) 369-0288.

Mobay Corporation
A Bayer USA INC COMPANY



Attention Juniors and Seniors!

Mobay representatives will be on campus:

- Presentation (10/23) 4:30-6:30 p.m., Room 8-105
- Interview (10/24) in Careers Office
- Opportunities for Engineers and Chemists in:
 - Process/Project Engineering
 - Process Control
 - Application/Development
 - Technical Marketing/Sales
 - 1990 Summer Jobs in West Germany (includes travel, housing and salary)

Presenting:

**The MIT Class of 1990
CAREER FAIR**

Including these companies:

- | | |
|-------------------------|------------------------|
| AT&T | U.S. Navy (NRD) |
| National Semiconductor | Proctor & Gamble |
| Merrill Lynch | GTE Corporation |
| Electronic Data Systems | Oracle Corporation |
| Texaco, Inc. | Arthur Anderson & Co. |
| Booz, Allen & Hamilton | Ford Motor Corporation |
| JP Morgan | NCR Corporation |

And many more...

**Monday, October 16
11:00 am - 5:00 pm
Sala de Puerto Rico**

Company representatives will be present to answer questions, distribute literature, and discuss interview scheduling information. All are invited.

BOOZ·ALLEN & HAMILTON INC.

Invites You To An Overview Presentation

***"The Research Associate's
Role In Management
Consulting"***

*Monday, October 16, 1989
4:30 p.m.
Room 4-159*

Reception to follow

Do you have what it takes to do something great?

If you do, you belong at Visix Software.

We offer you the chance of a lifetime. We're a young, well-funded company that builds advanced application software for high-performance workstations.

We place tremendous value on your overall desire to learn and ability to adapt. Our work combines an advanced approach to software design with some of the best engineering talent. As a result, we build applications that are sophisticated, intuitive and blindingly fast.

We're looking for software engineers with drive, determination, and skill. The kind of engineers who would like to take part in building *the* next-generation software company.

If you have experience in some of these areas, we'd like to talk to you:

- High-performance graphics algorithms
- Compiler design
- Operating systems
- Distributed software

Knowledge of the following is very helpful:

- C
- Smalltalk
- UNIX workstations
- NeXT
- Macintosh
- MACH
- UNIX
- The X Window System
- PostScript
- TCP/IP

If you think you have what it takes, we invite you to sign up on our recruiting schedule—we'll be at MIT on Monday, October 23, 1989.

For immediate consideration, contact:

Sheri Winter
 Visix Software Inc.
 P.O. Box 12547
 Arlington, VA 22209
 Fax: 703.276.3297
visix!sheri@uunet.uu.net


 The logo for Visix Software, featuring the word "VISIX" in a bold, italicized, sans-serif font. The letters are black with a white outline, and the 'I' and 'X' have a distinctive slanted design.

Y

ou worked hard to get into the right college.

Now make sure you get into the right company—

—Microsoft

Come talk with our technical leads — that is, if you're interested in advanced computer technology, multimedia, developing sophisticated operating systems and networks, powerful applications, state-of-the-art programming languages and more.

Saturday, October 21

12:00 pm - 5:00 pm

La Sala de Puerto Rico,

MIT Student Union

Positions available include Software Design Engineers and Program Managers. We will be interviewing on-campus November 3. See your Career Center for more details.

Bachelor's, Master's and PhD candidates welcome.

Microsoft
We are an equal opportunity employer

HARDCORE
SOFTWARE

comics

FUB

TARO OHKAWA



classified advertising

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New and Used Sofas, \$50-250; Desks \$25-125; Bedroom sets \$259-399; Bureaus \$30-89; Kitchen tables \$15-175; Chairs \$10-60; Bookcases \$10-85; Refrigerators, washers & dryers \$90-150. Call 524-1000.

National Marketing Firm seeks mature student to manage on-campus promotions for top companies this school year. Flexible hours with earnings potential to \$2,500 per semester. Must be organized, hard-working, and money motivated. Call Elizabeth or Myra at (800) 592-2121.

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EATING RIGHT IS HIGHLY LOGICAL.

Recommendations:
Eat high-fiber foods, such as fruits, vegetables, and whole grain products. Eat fewer high-fat foods. Maintain normal body weight. And live long and prosper.

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12.4 GHz 1970

20 GHz 1987

34 GHz Sept. 1, 1989

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What does it take to create a 40 GHz oscilloscope? People dedicated to customers and a company dedicated to people. The 11800 Series of products is just one example of how Tektronix enables talented people to deliver solutions that give our customers a visible edge.

On October 17th and 18th, Tek engineers will be on campus interviewing for Electrical Engineers who are interested in becoming a part of the team that is producing the best in Test and Measurement products. Come and talk to us at the Career Planning and Placement Office, and we can show you how Tek can give your career a visible edge, too.

We are an equal opportunity employer m/f/h.

Telemarketing Position

Want to earn some extra money before the holidays? We are looking for MIT students to telephone alumni/ae from the ten youngest classes seeking contributions to the Alumni/ae Fund.

There are 10 positions available, paying \$7/hour, working 3 or 4 nights a week for 4 hours/night, starting October 23, and ending November 22. Interested? Call Gail Johnson at 253-8184.

**Harvard-Epworth
United Methodist
Church**

1555 Massachusetts Ave.
opposite Cambridge Common

Sunday Worship: 9 and 11am

Undergrad Forum: 5:30 PM

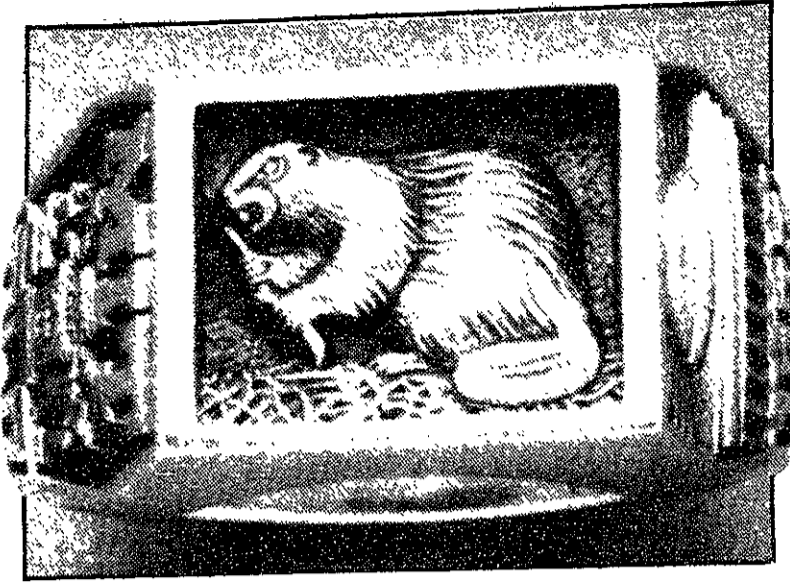
**STUDENT
& FACULTY
FARES**

from Boston	round trips starting at
LONDON	338
ATHENS	750
CAIRO	618
SAN JOSE C.R.	390
CARACAS	370
TOKYO	749
SYDNEY	1229

Taxes not included. Restrictions apply. One way fares available. Eurail passes issued on the spot! FREE Student Travel Catalog!!

CouncilTravel
MIT Student Center, W20-024
Cambridge
225-2555

A Golden Opportunity To Save!



Jostens' Ring Days
At The MIT Coop
At Kendall
Oct. 16-18, 11AM-4PM

\$75 OFF 18K

\$50 OFF 14K

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JOSTENS

What a great way to realize substantial savings on your class ring. Just order it during our special Ring Days. MIT school rings are available for undergraduate students, graduate students and alumni.

Lifetime Golden Warranty

- > Resize your ring at any time FREE
- > Replace or repair any defect in materials or workmanship in either a simulated stone or ring FREE
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3 CAMBRIDGE CENTER
M-F 9:15-7 THUR 'TIL 8:30
SAT 9:15-5:45



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Woodrow Wilson School
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**Graduate Education for
Careers in Public Affairs**

International Relations
Development Studies
Domestic Policy
Economics and Public Policy

Presentation and question-and-answer session will be held with a Woodrow Wilson School representative.

Date: Monday, October 16, 1989

Time: 10:00 a.m.

Place: see Career Center

NETWORKS Seafood Restaurant
FIRST FLOOR STUDENT CENTER

Casual dining and fresh seafood at its best.

Nightly student specials make this a favorite spot.

Tuesday Night Student Night

Full meal deal-get a complete meal including beverage for \$9.95

Wednesday Night Pasta Night

Choice of pastas and sauces plus garlic bread and Italian ice for \$5.95

Friday Night T.G.I.F

Order any three appetizers, get the fourth free from 3pm 'til 11 pm

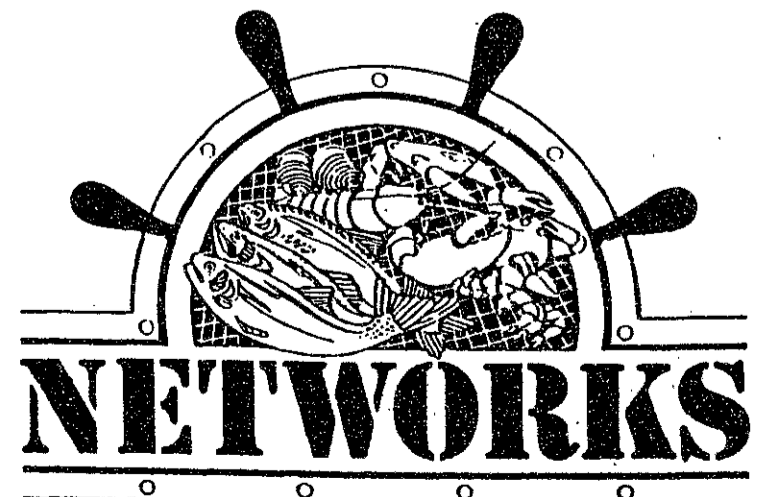
Choose from a wide selection of appetizers, salads, and special Student Selections each evening.

Service Hours

11:30-9:00 Mon-Thurs

11:30-11:00 Fri

4:30-11:00 Sat



**A SPECIAL
INVITATION**

If you are a graduating senior with a degree in Engineering, Computer Science, Mathematics or Science, Lockheed Missiles & Space Company of Sunnyvale, California, cordially invites you to attend a reception.

Date: Tuesday, October 17, 1989

Time: 7:00 p.m.-9:00 p.m.

Location: 4-159

Those individuals interested in the area of Guidance and Control are especially encouraged to attend.

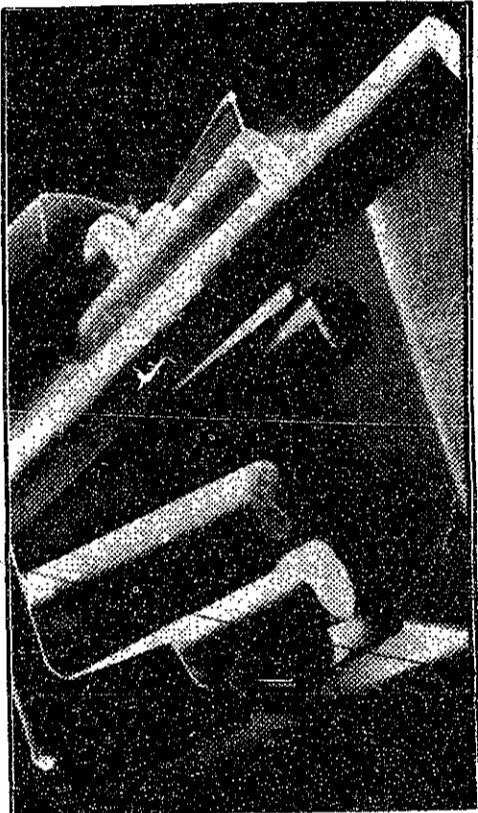
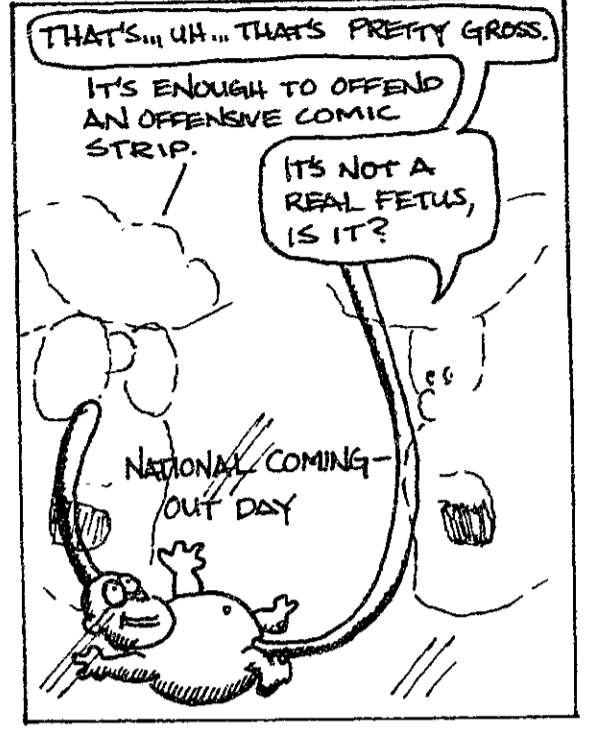
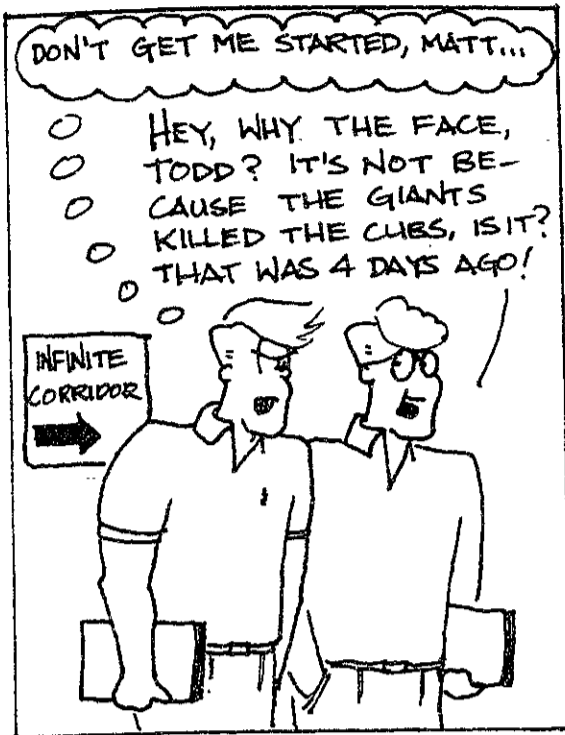
We will have representatives interviewing on campus October 18. See your Career Planning & Placement Office for sign-up information.

Lockheed
Missiles & Space Company
Giving shape to imagination.

comics

House

By David J. Kim



Pack of Lies.

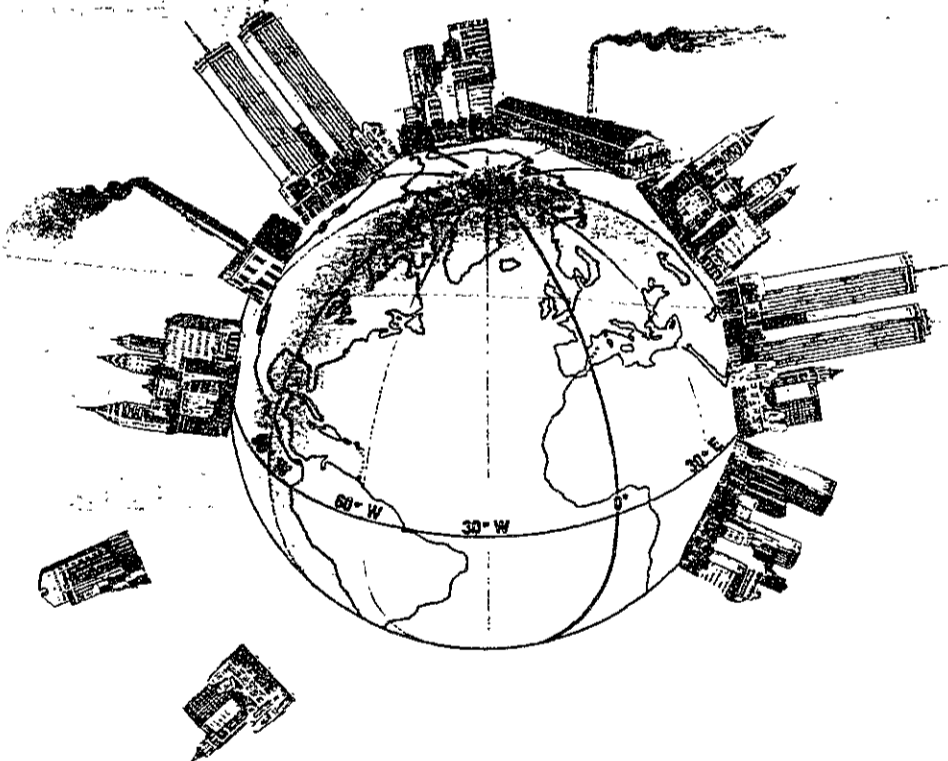
A Public Service of This Newspaper & The Advertising Council

We know you have a heart. Donate some blood.



American Red Cross

WE WANT IT ALL!!!



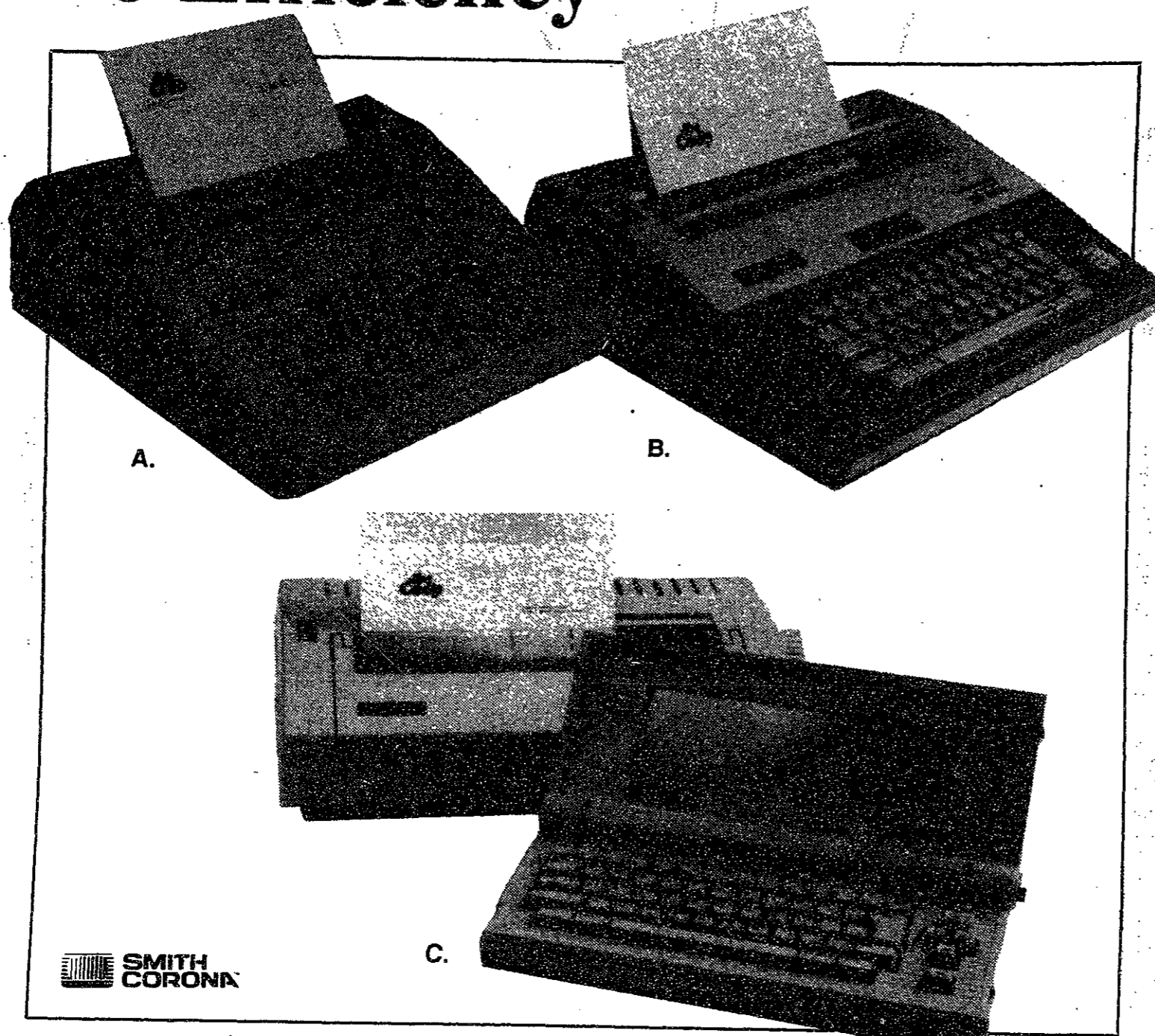
World Development And The Environment.

DR. MOSTAFA TOLBA Executive Director
United Nations Environmental Program.

Tuesday, October 17 4:30 PM
Room 9-150

Sponsored by The Technology and Culture Seminar at MIT.

The Coop Opens New Doors To Efficiency



Meet All The Right Types With Smith Corona!

SAVE \$20
A. Smith Corona XL 1500 Typewriter.

It's compact and lightweight. Comes with WordEraser®, full line correction, auto return and auto center. Reg. \$159.95 **SALE \$139.95**

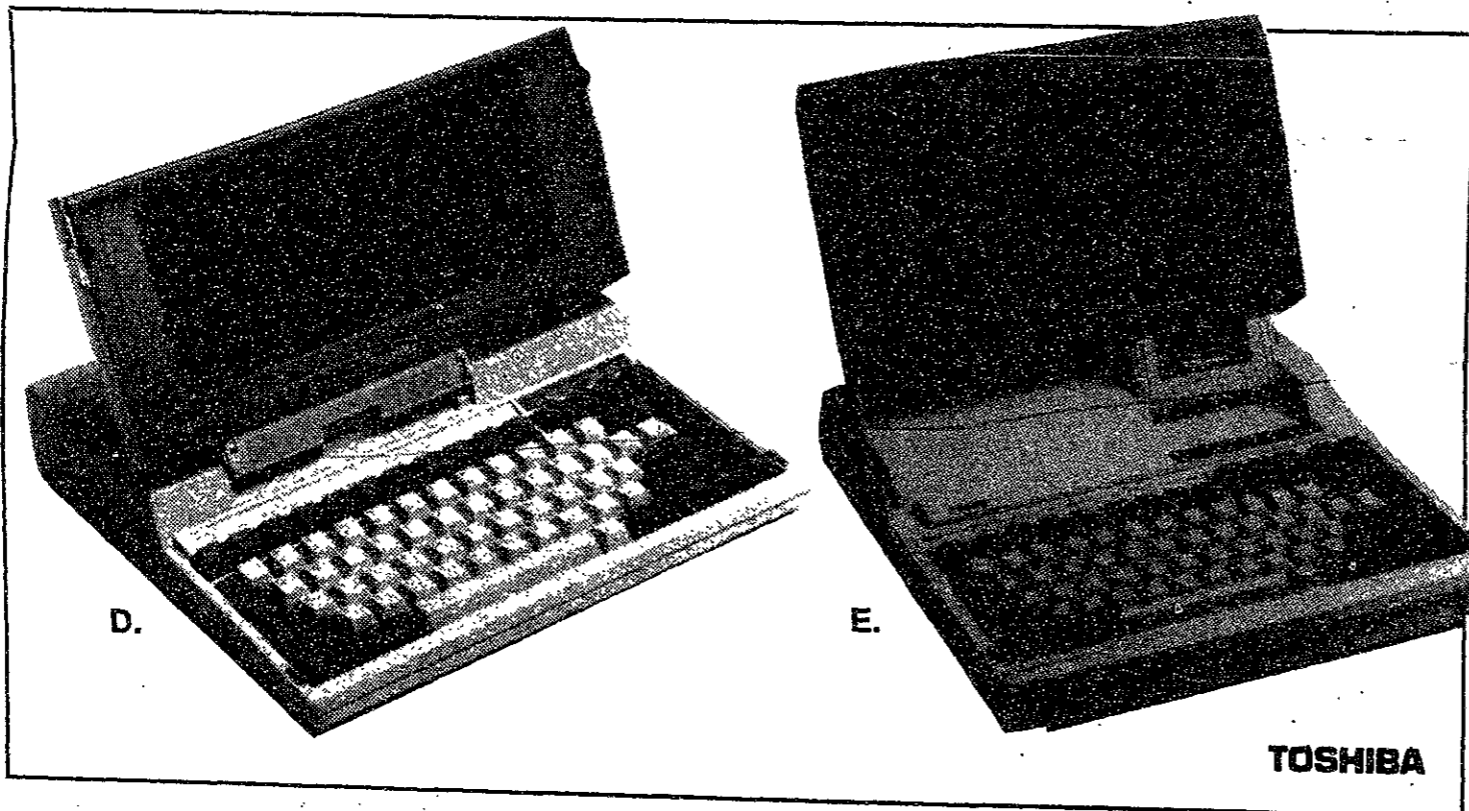
SAVE \$20
B. Smith Corona XD 4600 Memory Typewriter.

Among its many advantages are Spell-Right® 50,000 Word Electronic Dictionary, 16 character display, battery back-up and bidirectional print. Reg. \$199.95 **SALE \$179.95**

SAVE \$80
C. Smith Corona PWP 7000 LT Laptop Word Processor.

With 16 line by 80 character display, 50,000 character internal memory, built-in disk drive, Grammar-Right System™, Spell-Right® 90,000 word dictionary, and many other features. Reg. \$749.95 **SALE \$669.95**

SMITH CORONA



The Last Word In Computers From Toshiba!

D. Toshiba T1200 HB Portable Personal Computer.

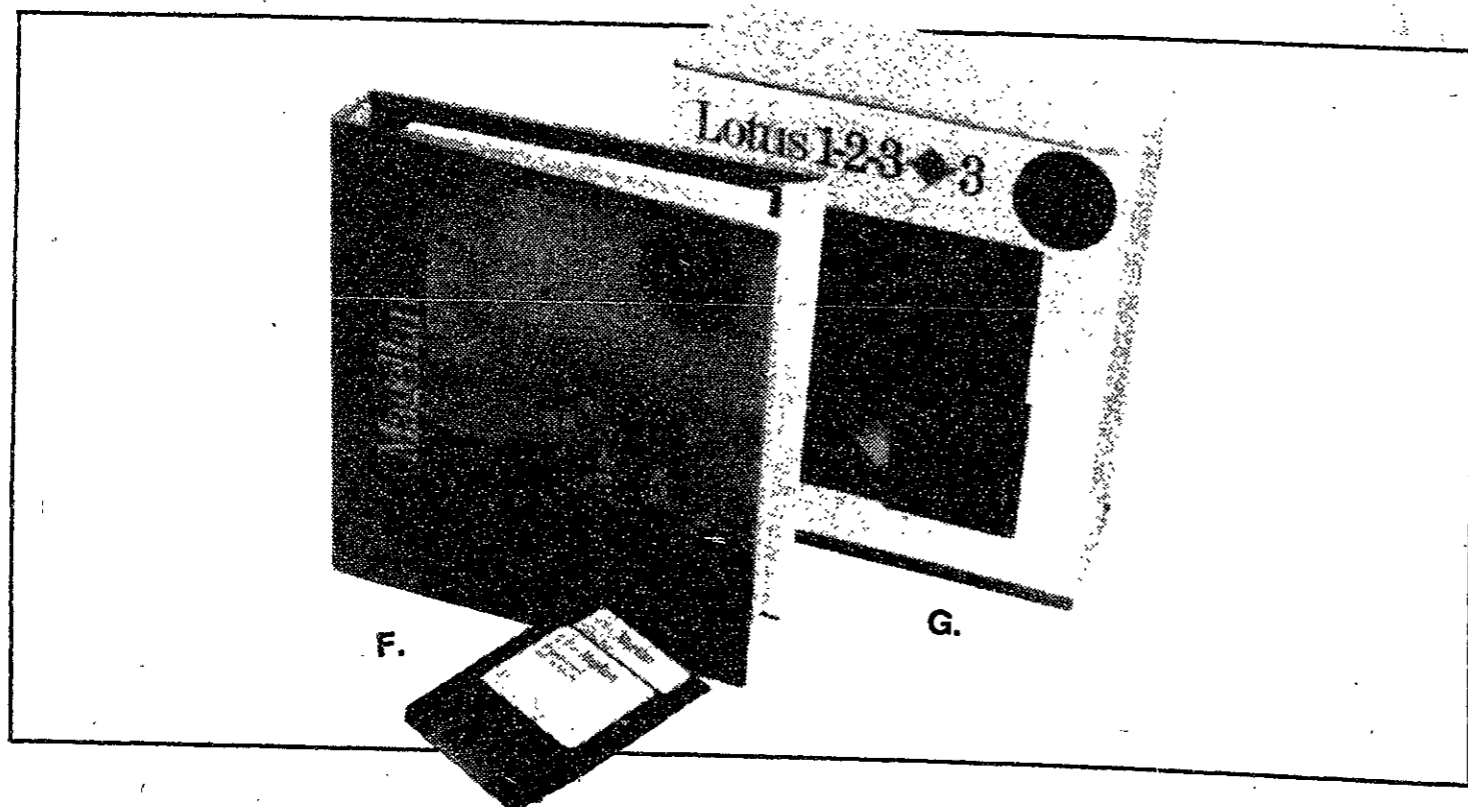
Lightweight and compact, this battery powered PC includes MS-DOS 3.3 It features 1MB memory, one built-in 20MB hard disk and one 720KB 3 1/2" diskette drive and backlit supertwist LCD. It runs on a removable, rechargeable battery pack or AC adapter. **\$1899**

E. Toshiba T1600 Portable Personal Computer.

Meet Toshiba's most powerful battery-powered PC. It delivers desktop capabilities in a versatile go-anywhere computer. With 12MHz 80C286 microprocessor, 1.44MB 3 1/2" diskette drive, 1MB memory expandable to 5MB and backlit supertwist EGA LCD display. Includes MS-DOS® 3.3. **\$3175**

University ID required for Toshiba purchase.

TOSHIBA



Work Smarter With Lotus Software!

F. Lotus Magellan. \$49

G. Lotus 1-2-3 Version 3.0. \$129

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HARVARD SQUARE
 CAMBRIDGE
 M-SAT 9:20-5:45
 THUR 'TIL 8:30

MIT COOP AT KENDALL
 3 CAMBRIDGE CENTER
 M-F 9:15-7 THUR 'TIL 8:30
 SAT 9:15-5:45

COOP AT LONGWOOD
 333 LONGWOOD AVE
 M-F 9:15-7 THUR 'TIL 8:30
 SAT 9:15-5:45

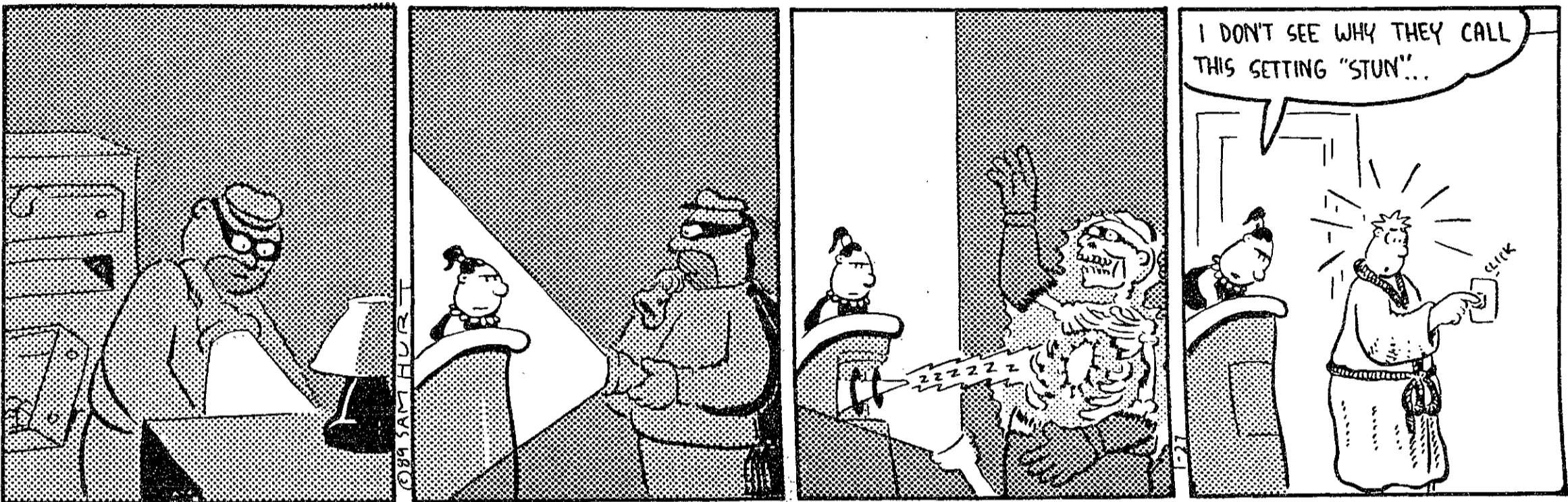
COOP CHARGE, MASTERCARD, VISA AND AMERICAN EXPRESS ARE WELCOME!
 FREE PARKING AT HARVARD: 1 HR. CHURCH ST. L.T. OR 2 HRS UNIVERSITY PL. OR CHARLES ST. GARAGES.
 FREE PARKING AT KENDALL: 2 HRS M-F 1 MEMORIAL DRIVE PKG. GARAGE OR AFTER 5 WEEKDAYS AND ALL DAY SAT AT CAMBRIDGE CENTER GARAGE.
 \$1 PARKING AT LONGWOOD: BEHIND THE COOP AFTER 5 AND ALL DAY SAT.
 *WITH SALES RECEIPT SHOWING \$5 MIN. COOP PURCHASE; VALIDATE AT CASHIER'S DESK AT THE COOP.

the
Coop

comics

EXEBEAM

by Sam Hux



Red Cross Needs Your Help With Hurricane Hugo Relief

A disaster like Hurricane Hugo isn't over when the emergency teams leave. Families struck by disaster need food, clothing, and shelter. Tomorrow they'll start rebuilding their lives. And that takes months. The good news is that the Red Cross will help those families every step of the way. No matter how long it takes. If you ever need the Red Cross, you can bet we'll be there.

Please send a contribution and the attached coupon to the American Red Cross. Do it today.

Please send to your local chapter or:
 American Red Cross
 P.O. 1547
 Boston, MA 02205-1547
 Attn: Hugo Relief

Hurricane Hugo Relief Fund

Yes, count on me to help. I've enclosed my gift of:

- \$10 \$25 \$50 \$ _____
 check Visa MasterCard
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card # _____ exp. _____

When you help us, you help everyone!

American Red Cross 

This space donated by The Tech

The Investment Banking Division
of

Goldman, Sachs & Co.

cordially invites the students of the
 Massachusetts Institute of Technology
 to an information session on careers
 in investment banking.

Thursday, October 26, 1989

Room 4-159

7:00 p.m.

Refreshments will be served



O'CONNOR & ASSOCIATES

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DON'T SELL YOURSELF SHORT EXPLORE OUR OPTIONS!

O'Connor & Associates is a private international risk management trading firm. Our intense, fast-paced and innovative securities trading environment gives talented individuals the opportunity to assume early responsibility and to shape their own future. We seek exceptional people with quantitative, analytical and problem-solving abilities to join our team.

"CAREER OPPORTUNITIES IN OPTIONS TRADING"

MONDAY

OCTOBER 23, 1989

5:00-7:00 PM

(Have dinner with us!)

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Chicago - New York - Philadelphia - San Francisco
London - Stockholm - Toronto

To be continued . . .

comics

Jim's Journal

I'm Jim.

This is the journal of my day-to-day life.

Today I went to class. It was okay.

I came home and watched TV even though I didn't feel like it.

Then I ordered a pizza and it really hit the spot.

by Jim

Last night my roommate Tony stumbled in at about 2 a.m.

He threw up and then passed out.

This morning he got up and told me this is what Hell would be like.

He also said he had a pretty good time.

Today I was woken up by a loud crunching sound

There was also the sound of the TV.

My other roommate Steve was watching Good Morning America and eating Fruit Loops right out of the box.

I got up early again today.

I was about to leave for class when Tony woke up.

Steve was watching Good Morning America and eating Fruit Loops right out of the box.

"How can you eat those without milk?" Tony asked.

TOWER RECORDS / VIDEO

FRONT ROW CENTER

1.99 COMPACT DISC **6.99** LP & CASSETTE



ALSO ON SALE!
 Pierce Pettis / While the Serpent Lies Sleeping
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 SALE ENDS 10/30

9.99 CD 4.99 CASS/LP

OPEN 'TIL MIDNIGHT TO SERVE YOU!

TOWER RECORDS / VIDEO

BOSTON
 Mass. Ave. At Newbury
 In Back Bay



Above Auditorium Stop on the Greenline

THE BEST PART-TIME JOBS!

Announcing the opening of the new UPS facility in Somerville!

UPS now has immediate openings in our newly-created 4am-8am package handling shift (approx.) in Somerville. You'll receive phenomenal pay and benefits:

- 8-9 PER HOUR TO START!
- FULL BENEFITS FOR PART-TIME WORK!
- NEW STUDENT LOAN PROGRAM - BORROW UP TO \$25,000 PER YEAR!

APPLY IN PERSON:
TUESDAY 10/10 OR 10/17
4PM-7PM

UPS FACILITY
15 ARLINGTON STREET
WATERTOWN, MA.



An Equal Opportunity Employer M/F



Recruiting Dates
October 17 - 19 1989

Sign up in:
Career Services (B.S. ChE)
Dept. (Chem, ChE) M.S., Ph.D.
Dept. (Mat. Sci.) Ph.D.

Meet and socialize with AICHE Student Chapter
Evening of October 17

Merrell Dow Pharmaceuticals will recruit October 17

Major Locations: Michigan, Texas, Louisiana, California, Ohio

"Dow Lets You Do Great Things"

What are English, Poli Sci and Chem majors doing on Wall Street?

They're being challenged as never before. And they're making a real contribution as analysts at Prudential-Bache Capital Funding, where academic achievers from many disciplines find rewarding roles in global investment and merchant banking.

Join us for a discussion of our 1989 Analyst program, Thursday, October 19th, 6:30 PM Room 4-370 Reception to follow.

Prudential-Bache Capital Funding

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Letter or draft quality cases

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• Double side/double density

Thinkmate 20Mb PC/XT \$869 (Reg. \$937, Sale \$919, Coupon \$50 OFF)

• One 360K floppy drive • 83-key keyboard
• 640K high speed RAM • Serial/parallel ports
• Mono graphics card • 20Mb Drive

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Limit 1 coupon per system. May not be combined with other offers. MIT1013. Valuable Coupon Expires October 19, 1989.

Philips Laboratories

Briarcliff Manor, New York

If you're undecided about what career step you should take—you should consider Philips Laboratories.

PHILIPS LABORATORIES is the research division of North American Philips Corporation. Located less than 1 hour from New York City, we offer qualified Scientists who have a B.S., M.S. or Ph.D., a challenging Engineering and Scientific environment.

We are a part of North American Philips Corporation, a Fortune 100 Company with annual sales of about \$6 billion. You may know of us from our extensive product line of consumer electronics, electronic components and scientific and professional equipment, including medical instrumentation and lighting systems. Affiliated with the worldwide Philips family of research labor-

atories, our Briarcliff Manor Lab works with our European research facilities in London, Paris, Aachen, Hamburg, Brussels and Eindhoven, The Netherlands in bringing the newest technologies to the home, business, classroom and scientific and medical communities.

Current work includes the following fields:

- Materials Physics
- Solid State & Surface Physics
- CAD for Integrated Circuits
- Artificial Intelligence
- Manufacturing Systems Research
- Manufacturing Systems Technology Transfer

- Microelectronics & VLSI Design
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In addition to the challenge and intellectual stimulation you'll find with us, we can offer highly competitive salaries, excellent benefits and a truly people-oriented management which enhance your personal and professional growth.

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Philips Corporation

INFO SESSION
10/17
INTERVIEWS
10/18
Contact Placement Office
For Details

sports



William Chu/The Tech
Fiona Tan '91 returns a lob to her Smith opponent. MIT lost a close match, 5-4.

Women's crew team places well at regattas

By Becky Dumas and Laura Opsasnick

The women's crew team rowed in two regattas over Columbus Day weekend.

On Saturday, the varsity placed second behind host Mount Holyoke in both the morning heat and the afternoon final. The morning race was a 2.5 mile head piece. The top four boats would race in the afternoon final. MIT defeated Williams, UMass, and Simmons to easily make the final.

In the afternoon race, a 1500 meter sprint, MIT was quick off the line and led Mount Holyoke by two seats with 500 m gone. But as the boats settled into the race, Mount Holyoke pulled away and at the finish line was up by a length and a half. The race was clearly between MIT and Mount Holyoke as the Williams and Simmons crews were far behind.

In the varsity boat were Barb Sigmund '92 (cox), Becky Dumas '90 (stroke), Laura Opsasnick '90, Beth Jones '90, Sue Perrin '91, Gwen Shelton '91, Lynore Abbott '91, Laura Beecroft '91, and Jerelyn Watanabe '90 (bow).

The junior varsity eight placed third overall after finishing fourth in the morning. The crew of Liz Yap '92 (cox), Wendy Rowell '90 (stroke), Anne Khaminwa '90, Lola Matysiak

'91, Amy Bowen '92, Holly Simpson '92, Rachel Huggins '92, Karla Morrow '92, and Deb Bein '90 (bow) fell to Mount Holyoke and Williams in the final.

Three novice eights rowed in their first race in mixed boats. The novices finished eighth, 11th, and 12th out of 18 boats.

At the Head of the Connecticut on Sunday, an eight of Sigmund, Dumas, Opsasnick, Shelton, Rowell, Khaminwa, Abbott, Beecroft, and Watanabe finished sixth out of 26 boats. MIT's time for the 3.5 mile course was 20:16.54 compared to a winning Dartmouth time of 19:24.70. MIT had tough time passing two Smith boats midway through the race. In head races, crews being overtaken are supposed to give way to a passing boat. In this case, Smith was acting more like a blocker, not allowing MIT to pass. Finally, MIT squeezed between both boats and quickly moved through.

MIT's lightweight four of Yap, Beecroft, Sigmund, Bowen, and Cynthia Holcroft '92 finished tenth out of thirteen boats. Their time was 25:34.59. The largest regatta of the fall, the Head of the Charles, is the next big event for the crew team on Oct. 22.

(Becky Dumas '90 and Laura Opsasnick '90 are co-captains of the women's crew team.)

MIT Beavers play UMass Beacons to a 14-14 tie

(Continued from page 28)

The game officially ended when a UMB field goal fell short of its mark. Nobody left the field for the next five minutes as the bungling officials tried to decide whether overtime was to be played. In UMB's conference, the New England Football Conference, overtime is permitted; in MIT's conference, the Eastern Collegiate Football Conference,

there are no rules as to whether an overtime period should or should not take place. Logically, then, the officials said there was to be no overtime, and the game ended as such.

MIT will play at Stonehill this weekend. The Beavers trashed the Chieftans 45-13 in the season opener and have shown signs of improvement since then. Look for MIT to remain undefeated.

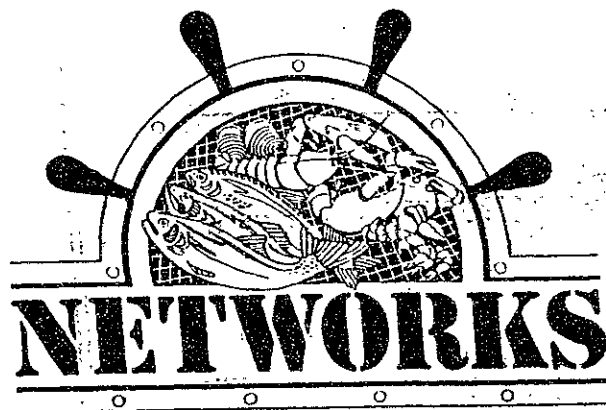
WANTED:

GRADUATE STUDENT COUNCIL REPRESENTATIVES

The Graduate Student Council needs members to serve as representatives from the following departments:

Civil Engineering
Mechanical Engineering
Chemistry
Electrical Engineering and Computer Science
Biology
Physics
Chemical Engineering
Urban Studies and Planning
Ocean Engineering
Sloan School of Management
Aeronautics and Astronautics
Political Science
Linguistics and Philosophy
Science, Technology, and Society

If you are interested in serving, or want more information about the Graduate Student Council, please stop by room 50-222 in Walker Memorial or give us a call at 253-2195. Our next full council meeting is at 5:30 in 50-222 on Tuesday October 17. Please stop by and join us for free pizza and beverages.



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sports

MIT Beavers and UMass-Boston play to 14-14 tie

By Shawn Mastrian

The good news from last Saturday's football game was that MIT extended its unbeaten streak to three games. The bad news was that the Beavers had to do this by settling for a 14-14 tie of University of Massachusetts at Boston, a team they should have beaten.

The game started with MIT winning the coin toss and receiving the opening kickoff. Ominously, Jeff Drbohlav '92 muffed this kick, but Doug Smith '93 was able to recover, allowing the Beavers to have the opening possession. This, however, proved unimportant as the offense gained but one first down and was forced to punt.

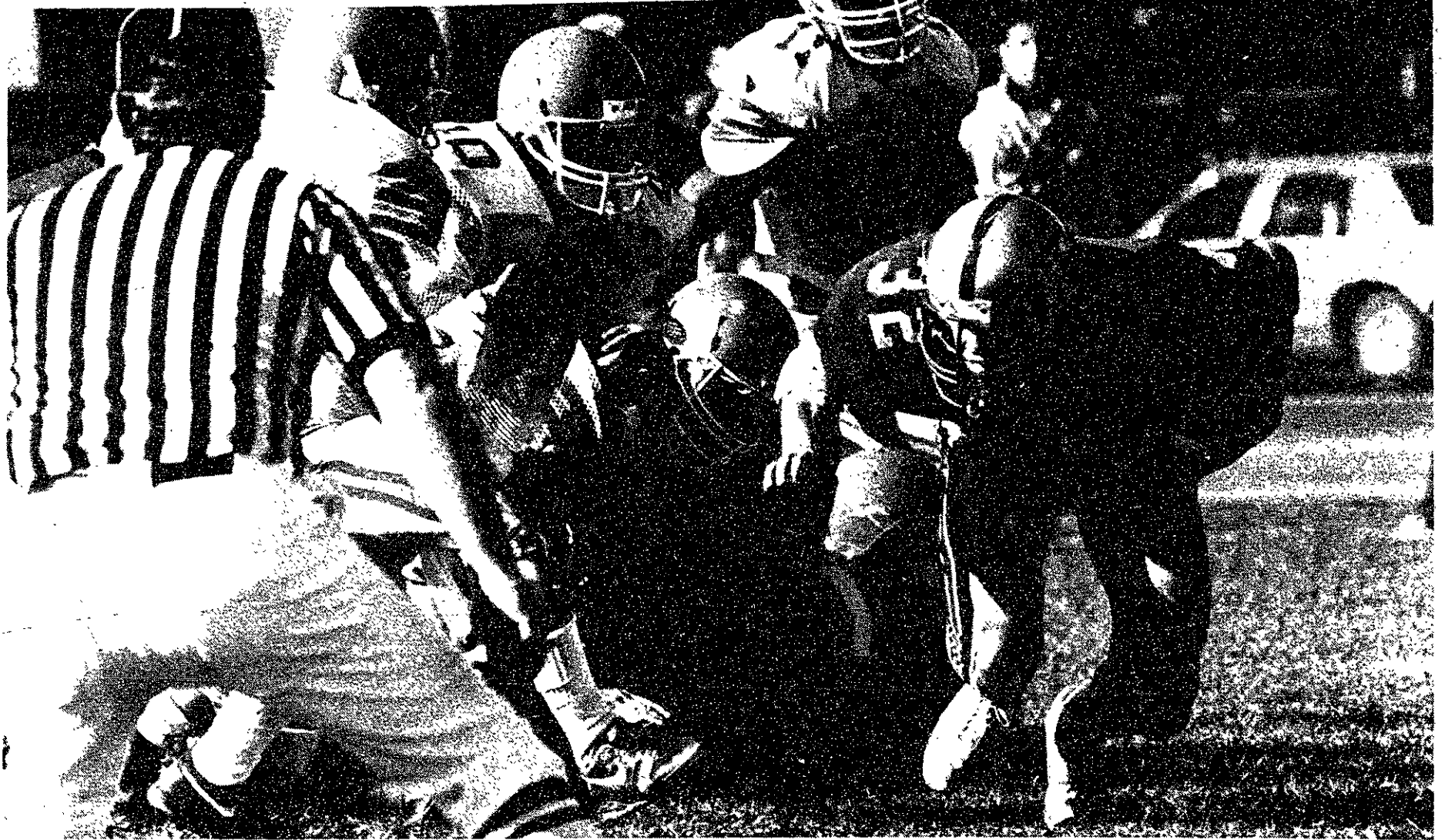
The defense, upset at yielding 34 points last week, came out roaring. Larry Donohue '90 sacked the UMB quarterback on the first play for a five yard loss. Then, after an incompleteness, Fred Loh '92 intercepted his second pass in as many games, giving MIT the ball back. Unfortunately, it was three plays and punt for the offense.

The Beacons then put together a small drive of their own, netting 36 yards. This should have been much less, however, as Art Wang '90 was called for a bogus pass interference call on third down, which would have forced a punt sooner. Nonetheless, the defense overcame this adversity and stopped UMB on a fourth down.

This is when the Beavers got their offense in gear. On the previous two drives, MIT was uncharacteristically trying to set up their running game by passing. On this drive, the offense reverted to their typical grind-it-out type of offense.

Shane LaHousse '90 ran for eight yards on the first two plays, and then Garret Moose '91 punished several UMB defenders as he rambled for seven more. With the defense now afraid of the run, Tony Lapes '90 was able to catch a 13 yard pass from quarterback Tim Day '89 for another first down. LaHousse, Moose, and Day then ran the ball all the way down to the two yard line on six plays, with the key play a LaHousse 15 yard scramble on fourth-and-two. Day then rolled to the right and broke through a gaping hole, giving MIT a 7-0 lead.

After the kickoff, the Beacons and Beavers exchanged fumbles, leaving UMB with the ball on the MIT 46. The Beacons then ran behind their 290 pound average right side to push the ball down-



Michael Franklin/The Tech

Shane LaHousse '90 searches for an opening against the UMass-Boston defense. MIT and UMass played to a 14-14 tie.

field to the MIT 19. The referees helped them out once again as Loh was called for an exceptionally questionable pass interference call, which pushed the ball 15 yards further downfield. On the play, Loh was clearly going for the ball, completely within the rules, but he was whistled for a foul nonetheless. Using this gift, UMB then scored on the next play. The extra point was missed badly, however, and MIT had a 7-6 lead.

After the kickoff, the Beavers reverted to the passing attack, and once again failed to move the ball. The next Beacon series was exciting, in that one exuberant MIT supporter and the scoreboard referee were engaged in a shouting match (which nearly turned physical) over the previous lousy calls. On the field, the defense held the Beacons to eight yards on three plays, forcing a punt. The next two MIT and UMB series were both identical to these, except MIT did manage one first down over this span.

The offense finally found the correct gear again. Two Moose runs gave MIT a first down, and a catch by Dan Berkery '91 gave them another. Two cheap-shot personal fouls also helped the Beavers to move the ball down the field, along with two

LaHousse runs. On first-and-goal from the one, with only 15 seconds left in the half, Moose rammed it home behind a solid offensive line surge. The extra point gave MIT a 14-6 lead, which stood until halftime.

The second half turned out, not surprisingly, to be very much like the first. Whenever MIT ran the ball first and passed second, the Beavers moved the ball well. Whenever passes came first, however, the UMB defenders would sit back, ignore the run, and stop the Beavers. On defense, the trend continued as well. When UMB touched the ball, they were stopped.

The exception to this rule was the scoring drive. The Beacons managed a 40 yard pass on the first play of this drive, and pushed the ball downfield. The key play here was once again made by the UMB players wearing the striped shirts as a personal foul moved the ball downfield when the Beacons seemed stopped. From here, a desperation pass found the arms of a UMB receiver, and the Beacons were within 14-12. On the two point conversion, the UMB runner eked his way across the goal line by the slimmest of margins, resulting in the final score.

(Please turn to page 27)

Upcoming Home Events

Saturday, October 14

10:00 Field Hockey v. WPI

1:00 Men's Soccer v. Clark



William Chu/The Tech

Pete Hinteregger '93 pitches in the final game of the fall season. MIT lost to Merrimack, 6-2. The spring season starts up right after spring break next year.

Men's cross country places fifth at LeMoyne

By David Afshartous and Jon Gladstone

The men's cross country team performed respectably at the 40th Annual LeMoyne College Invitational, finishing in fifth place. The Engineers were the only Massachusetts team competing with 10 New York teams at the event, which was held on Saturday in Syracuse.

Saint Lawrence University won the team title with a score of 31 points. It was followed by Rochester Institute of Technology, Niagara University, and Geneseo College. MIT scored 128 points.

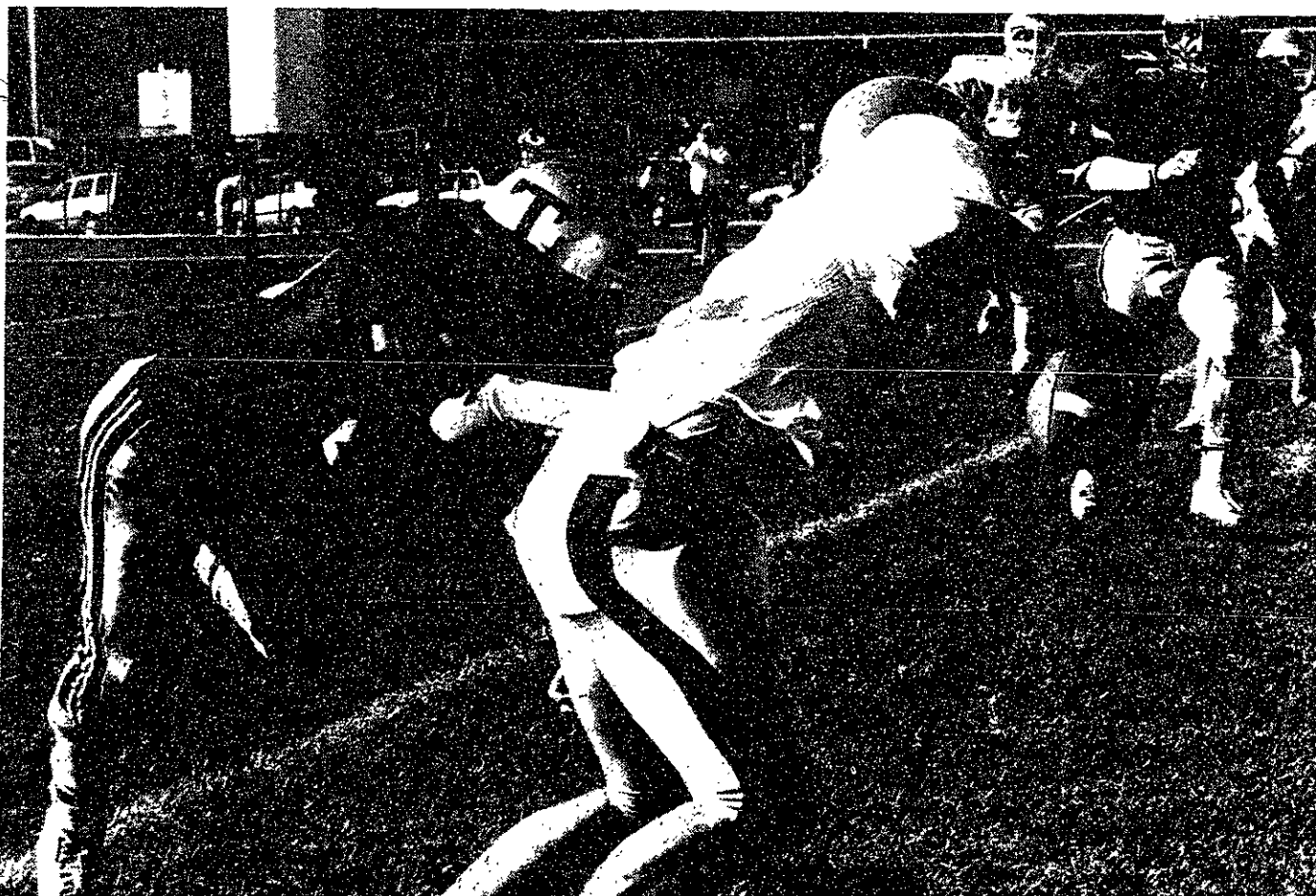
Leading the way for the Engineers was fifth-year-man Sean Kelley striding to a 17th place finish in 26:56 on the hilly five-mile course. Kelley missed the Beavers' last competition due to injury, but appears to be on the road to recovery. Right on Kelley's heels was Jon Gladstone '92. Next was Dave Afshartous G

in 21st with a time of 27:07. James Williams '91 continued his consistent running with a solid 30th place showing in 27:24.

Perhaps the greatest surprise of the afternoon came from freshman Dev Sinha. Sinha placed fifth on the varsity, finishing 41st with a personal best time of 28:04.

Although the team did not place as well as anticipated, some positive signs were evident. The closeness of the top four runners indicates that the Engineers have the potential to be among the top teams in New England. The basic needs of the team are to concentrate more on running together as a team and using each other as a benefit. Once the team accomplishes this, they should be in the hunt for a bid to Nationals.

(Dave Afshartous G and Jon Gladstone '92 are members of the men's cross country team)



Michael Franklin/The Tech

Todd Riggs '92 brings down his UMass rival. The tie puts the Engineers' record at 4-0-1.