

Simson I. Garfinkle/The Tech

Determined sailors try to beat the frozen Charles. Hackers place a sailboat in the Alumni Swimming Pool Sunday night.

Drug statement released MIT responds to NCAA policy on drug testing

By Andrew L. Fish

MIT has recently prepared its interim policy statement on the National Collegiate Athletic Association drug testing program, coming nearly a year after the NCAA passed its program and almost five months after it was implemented. The policy statement outlines how MIT would use information gained from the drug tests.

The interim policy states that the drug testing results will remain in a "confidential file in the exclusive custody of the Director of Athletics." While the director may suggest medical or other counseling to students who test

positive for drugs, the MIT policy forbids the drug testing results to be disseminated to any individual, office, or agency.

The drug testing results will not be available for use by the Committee on Discipline, and they will not become a part of the student's medical record unless specifically requested, the policy states. MIT will consider test results to be a part of the student's educational record — giving the student the right to access and challenge the information — but will not make the results available to people who would normally review such records.

If drug testing results are subpoenaed MIT will attempt to postpone compliance until a student has the opportunity to intervene legally, the policy states.

Furthermore, if an appeal yields a negative test, MIT will destroy all copies of the positive test results. If an appeal confirms the positive result, or if no appeal is sought, MIT will retain the test result until the student's period of disqualification ends or the student is no longer eligible for NCAA competition at MIT, whichever occurs first, the policy states.

The interim statement left open the possibility that MIT might take more adversarial actions (such as refusing to solicit signatures on consent forms;

challenging the tests in courts or withdrawing from the NCAA) in the future.

The written policy should assure that students' rights are protected, said Director of Athletics Royce N. Flippen Jr. Most students were not concerned even before the policy was written, Flippen said. Only about four winter athletes did not sign the drug testing waivers, he noted. Flippen hoped that the interim policy statement, along with a videotape and literature provided by the NCAA, would alleviate any remaining student fears.

While Flippen acknowledged that some test results have been made public, he said the concerns of the NCAA outweighed the privacy issue. The program has led to better education among trainers and athletes, he said. The National Basketball Association and National Football League were both studying the current NCAA program. The publicity of the program is also helpful, Flippen added.

Only two percent of tested athletes showed positive for drugs, and NCAA officials attributed this low figure to the drug tests, according to *The Chronicle of Higher Education*.

An *ad hoc* committee prepared the MIT statement in response to the policy approved last January by the NCAA Convention. Under

(Please turn to page 2)

Ties with Lincoln questioned

By Robert Adams

"What is and what should be the role of MIT in directing Lincoln Laboratories?" asked Judson R. Baron ScD '48, former member of the MIT Committee on Lincoln Labs, at a forum yesterday on MIT's relationship to laboratories. Lincoln Labs is a major military research facility, performing approximately \$240 million worth of military research per year.

Lincoln Laboratory's involvement with applied weapons research and MIT's relationship to the labs were the two foci of the committee. Baron said. "The committee was started in the Vietnam period around 1970" and was designed to provide information for the President of MIT, he added.

Lincoln Laboratories was formed in the early 1950s in response to perceived threats of Soviet air and nuclear attack, explained Louis D. Smullin SM '39, former chairman of the Lincoln Laboratory Review Committee. The labs have been responsible for many technological improvements in the civilian sector as well, particularly in the development of digital computers, Smullin continued.

The committee members were divided on the issue of whether MIT should end its involvement with Lincoln Laboratories.

"If Lincoln Labs is nothing other than a 'high-tech job shop,' I don't see any reason for continued support [from MIT]," Smullin commented. "The intellectual coupling between MIT and Lincoln Labs is very small. I find it very hard to think of MIT's Lincoln Laboratory as serving the public interest if they only solve

technical problems and take no part in the discussion of the issues," he added.

Richard A. Cowan G of the MIT Science Action Coordinating Committee said, "Lincoln Lab gets resources and students from MIT, but MIT doesn't get anything except money." Specifically, MIT received \$5.5 million from Lincoln Labs in 1985, according to the Lincoln Lab Committee's interim report.

"If you look at the things that Lincoln Lab works on, it's easy to see how it fits into the Reagan administration's first-strike nuclear policy," Cowan asserted. "I don't think MIT should stop supporting Lincoln Labs. I feel that it should be converted so that Lincoln Labs will not contribute to unrestrained militarism." Cowan said.

John L. Wyatt Jr. '68 observed, "I don't think anyone on the committee is dissatisfied with the quality of work at Lincoln Labs. But it seems as though MIT has a significant impact on the technology but not on policy decisions."

Review Committee report criticized Lincoln Laboratory

Last February, Louis D. Smullin SM '39 told the faculty that MIT must review its relationship with the Laboratory. Smullin presented an interim report from the Lincoln Laboratory Review Committee.

Smullin reported that Lincoln Labs has not met the goals recommended by the Review Panel on Special Laboratories and endorsed by the MIT Executive Committee in 1969. The guidelines called for an increased proportion of non-military research

and an expansion of the Lab's educational interaction with the main campus. The already small fraction of non-military work at the lab has "declined rather sharply and shows no signs of changing direction," Smullin said.

The review committee proposed the formation of a faculty committee to review the Laboratory's programs, "including its academic, research, and public service responsibilities." The faculty committee should also reflect on whether MIT should continue relations with Lincoln Laboratory, the report continued.

NASA holds back research funds

By Paula Maute

The explosion of the space shuttle *Challenger* nearly a year ago has curtailed funds for NASA sponsored projects at MIT, according to Gordon Pettengill '48, director of the Center for Space Research.

The center, an umbrella group for space research at MIT, received over \$4.5 million from NASA last year, about 70 percent of the center's annual budget, Pettengill said.

Although most of the center's research continues on the ground, several experiments "nearly ready for launch" at the time of *Challenger* accident will be delayed for over two years, Pettengill said.

One of these experiments, the Magellan Project, was scheduled for launch in April 1988. It would have arrived at Venus four months later. But due to several factors, the Magellan launch will be delayed for one year, and will take 16 months to travel to Ve-

nus.

One reason for the longer trip is that the mission, which will map the surface of Venus, was bumped from the next available flight window due to NASA launch priorities, Pettengill said. Now, the Venus flight must travel in a longer, wider projectory, he explained.

"It's frustrating," Pettengill said. "We're still continuing to keep things in readiness and plan for the future," he said. But, "when you have two years without anything happening, it's very demoralizing," he added. The project's two principal researchers will take advantage of the extra time to improve aspects of the experiment, Pettengill said.

NASA will continue to provide funding for the center's research but some projects will receive their funds later than expected, Pettengill said.

But "people don't stop eating," Pettengill said. "NASA has to put up the money for additional costs of maintaining projects and salaries," he said. "All these delays are expensive," he added.

Another NASA-funded project affected by the shuttle delay is a life sciences experiment run by researchers in the department of

aeronautics and astronautics, Pettengill said. An experiment scheduled for launch this April will now be delayed for two and a half years, he said. The experiment focuses on how humans adapt to zero-gravity and motion using sensory-perceptual cues, he said.

Major funding for this life sciences experiment will be delayed for several years, and some of its researchers have been assigned to other projects in the department, Pettengill said.

Delays also affect Materials Processing Center

The Materials Processing Center is the other major NASA funded program on campus, Pettengill said. Last year, it received over \$742,000 from NASA to study how a low-gravity environment affects the processing of materials such as metals and ceramics.

The two year shuttle delay will not affect the center "tremendously," said director Ronald Lantionis, because only about one-tenth of its overall budget comes from NASA. But the delays will have a "significant" effect on NASA funded micro-gravity experiments where it is "vital to be

(Please turn to page 2)

HASS faculty take 6.001 minicourse

Feature

By Seth A. Gordon

Last summer, about a third of MIT's humanities, arts and social sciences faculty took an abbreviated version of Structure and Interpretation of Computer Programs (6.001) to better understand engineering and its professors, said Dean of Under-

graduate Education Margaret L. A. MacVicar '65, who sponsored the program.

Programs such as the 6.001 minicourse are important to integrative education at MIT, MacVicar explained. In order to bring both the humanities and hard science to undergraduates, "faculty themselves [must] be able to talk to one another and have familiarity and respect between each other," she explained.

The success of last summer's programs convinced the Exxon Foundation to support it with \$150,000. The Offices of the Dean of Undergraduate Education, the Dean of Humanities and Social Science, and the Dean of Engineering have also contributed substantially, MacVicar

said. The program brought engineering and HASS faculty together, distinguishing MIT from other engineering schools, said Professor of Literature Travis R. Merritt. At most engineering schools humanities professors are "functionally illiterate about engineering" and adhere to "stereotypes about what engineers are like," he said. "My sense is that the scientific and technological illiteracy of humanists . . . is much worse than the so-called cultural illiteracy of engineers and scientists," Merritt added.

Another goal of the program was to find and expand the inter-sections between what professors in different fields understood.

(Please turn to page 7)

inside

The women's basketball team wins their fourth consecutive game. Page 14.



Mike Niles/The Tech

Yona Burstin G (lane 3) finishes way ahead of the rest in the 200 meter butterfly. Her time of 2:11.1 set a new MIT record during last Friday's women's swim meet vs. Tufts. Alas, Tufts won the meet.

MIT prepares policy on drug testing for athletes

(Continued from page 1)
 the NCAA rules, all athletes are required to sign a drug testing consent form before their competitive season begins. But the actual drug tests are only given to selected players in post-season playoffs and bowl games. Banned drugs include psychomotor stimulants (e.g. amphetamines), sympathomimetic amines, miscellaneous central nervous system stimulants, anabolic steroids, diuretics, and "street drugs" (e.g. cocaine, marijuana).

National controversy

Controversy over the NCAA policy has not been limited to the MIT campus. The debate heated up after at least 21 players were suspended from post-season ball games after testing positive for anabolic steroids, *The Chronicle of Higher Education* reported. The number of positives may have been higher, as colleges were not compelled to reveal the results of drug tests.

Oklahoma linebacker Brian

Bosworth was among those players suspended. Bosworth claimed that he had used anabolic steroids for medical reasons and should not be suspended. But, with few exceptions, the NCAA rules do not permit banned drugs, even when used for medical purposes.

Bosworth also criticized the NCAA for suspending athletes who tested positive for anabolic steroids but not those who tested positive for marijuana, the *Chronicle* reported.

Frank Uryasz, assistant director of research and sports fitness for the NCAA explained that those who tested positive for marijuana were only warned because of concern that passive smoke could result in a false positive. A second positive test in a future post-season event would result in suspension, Uryasz said.

Several athletes have tried to use the courts to stop the NCAA drug testing. Roland Barbay of Louisiana State University sought an injunction that would allow him to play in the Sugar Bowl

after being banned for steroid use. But a federal judge ruled that the NCAA is a private organization with voluntary membership and can set its own rules, the *Chronicle* reported.

Nonetheless, Simon LeVant, a Stanford diver, filed a lawsuit challenging the program. She was ruled ineligible for failing to sign the consent form, the *Chronicle* reported. Testing programs at the University of Colorado and the University of California at Berkeley are also being challenged, the *Chronicle* reported.

Shuttle explosion delays projects

(Continued from page 1)
 in space," Latanision said.

One such project, the alloy undercooling experiment, is in danger of losing its funding, said Yuh Shiohara, a principal researcher. In February, NASA will review the project along with all its micro-gravity science experiments, Shiohara said. There is a huge backlog of shuttle experiments at NASA, and the space agency must re-evaluate them to decide which will be launched and when, Shiohara said.

"This makes me uncomfortable," said Shiohara, adding that even if his project is given the okay by NASA, its funding could be reduced.

Funding for the undercooling experiment was approved several years ago, covering ground-based research and three flight experiments. One experiment was launched last January, just before the shuttle failure. The next flight was planned for October 1988. "Now it's not scheduled at all," Shiohara said.

Shuttle-only policy blamed

The current launch crisis can be blamed, in part, on NASA's shuttle-only policy, developed in the early 1970s, Pettengill said. To justify "the size and complexity" of the shuttle program, NASA policy called for a phase

out all unmanned expendable rockets, he said. Just as the supply of expendable rockets was running out, the shuttle disaster happened, he continued. "Suddenly, NASA had no way of launching anything," Pettengill added.

The Rogers Commission, which investigated the Challenger accident, criticized the shuttle-only policy, recommending the use of expendable, unmanned rockets for projects which do not require humans, Pettengill said. But NASA may not have "heard" the commission's recommendations, Pettengill added, because it has ordered very few expendable rockets to date.

American Cancer Society

This space donated by *The Tech*

M.I.T.

MULTIPLE CHOICE TEST

When does 2=1?

a. At ROSEMARY

Lunch Mon.-Fri. 11:30-3:00
 Dinner Tues.-Thurs. 5:00-11:00

b. With an M.I.T. I.D.

Student Faculty Employee

c. Buy first entree

higher price. Get second free
 equal or lower price.

d. All of the above.

This offer good through Feb. 15, 1987. M.I.T.

15% gratuity will be added to checks before discount.

At NSA,
 You Needn't
 Ponder
 Tomorrow's
 Technologies.
 You Work
 With Them.

Electrical / Electronic / Computer Engineering, Computer Science and Mathematics Majors

Simply put, no one is better equipped than NSA to give you a career on the frontier of communications. And there's good reason.

We're the National Security Agency and the work we do does a job for every American. We safeguard our nation's vital communications. We analyze foreign transmissions. We secure the government's massive computer systems. It takes twenty-first century technology to grapple with these tasks. It takes people like you to "mind" the technology.

Electrical / Electronic / Computer Engineers sometimes specialize, oftentimes opt to investigate a vast range of electronic information technology. You could engage in small to large system design and prototype development testing and evaluation, field installation, or operations support.

Computer Scientists exploit a huge computer facility in their work beyond the limits of finite state machine development and applications.

Mathematicians get a full measure of technological support as well, in developing vitally important practical applications for mathematical concepts in areas such as cryptology.

Here, your tools-of-the-trade will be the tools of tomorrow. With them comes a rare degree of flexibility—a near insistence on exploring new options along your career path. Rapid advancement, early responsibility, competitive salaries and enticing benefits—it all adds up to a career you can live with. And with our location between the vibrant urban centers of Baltimore, MD. and Washington, D.C., you'll be living well.

Bring yourself closer to tomorrow's technologies. Schedule an interview with your College Placement Office. Or write to the National Security Agency.

Send your resume and transcript to NSA.

NATIONAL SECURITY AGENCY

NATIONAL SECURITY AGENCY
 ATTN: M322 (AAN)
 Fort Meade, MD 20755-6000

U.S. citizenship required for applicant and immediate family members.
 An equal opportunity employer.

news roundup

from the associated press wire

World

Waite extends stay in Beirut

Anglican Church envoy Terry Waite has extended his stay in Beirut after meeting with the Shiite Moslem terrorists who are holding two American hostages, according to sources in Beirut. The kidnapers have assured him that the two captives — Terry Anderson and Thomas Sutherland — are in generally good condition, Waite said yesterday. (AP)

Iran-Iraq war rages

Iraqi radio confirmed yesterday that an Iranian missile slammed into a residential Baghdad neighborhood yesterday, causing an unknown nonnegative number of casualties. Iran said it fired the missile at the headquarters of Iraq's ruling political party. It also claims to have stepped up its assault against the Iraqi city of Basra, setting a biochemical plant on fire. (AP)

Concern mounts over dollar's exchange rates

The dollar bounced back strongly yesterday in Japan and Europe yesterday on moves to stabilize the volatile dollar-yen exchange rate. Currency traders attribute the rebound to speculation that West Germany and Japan will undertake concerted action to stop the dollar's fall. That speculation was prompted by the announcement that Japan's Finance Minister will leave today for a meeting in Washington with US Treasury Secretary James Baker. The rising yen is slowing Japanese exports and forcing manufacturers to cut production. (AP)

Europe takes steps to ameliorate plight of deep freeze victims

The Common Market is making plans to distribute free food to millions of poor people who have been hard hit by the deep freeze gripping the continent. The food comes from massive surpluses that are stockpiled under the community's farm income support program. More than 300 deaths have been blamed on the weather — Europe's worst winter in decades. (AP)

Swedish police snag three suspected in Palme killing

Almost a year after former Swedish Prime Minister Olof Palme was gunned down on a street in Stockholm, three suspects were arrested yesterday. A statement by Swedish police suggests that the suspects may be linked to a leftist group that Palme's government had labelled a terrorist organization in 1984.

Last month, investigators said that the killer may have tapped phone conversations between Palme and Emma G. Rothschild, associate professor of science, technology, and society at MIT. Rothschild, who was one of Palme's closest advisors before his February 28 death, is on sabbatical until August. (AP, *The Boston Globe*)

Brown surfaces in Japan

Former California Governor Jerry Brown is alive and well and living in Japan, where he's writing a book. Brown has been attending Zen Buddhist study sessions and meditations in a town south of Tokyo, the *Times* reported. (AP)

Nation

Kennedy calls for higher minimum wage

Sen. Edward Kennedy (D-MA) said yesterday that he will press for a substantial increase in the minimum wage. Kennedy, the new chairman of the Senate Labor and Human Resources Committee, said he would like to see a boost of at least \$1.25 per hour from its present level of \$3.35. Kennedy also pledged support to proposals for catastrophic health insurance for Medicare recipients. He will resist the Reagan administration's plans for cuts in spending for education, he added. (AP)

Reagan administration to step up immigration law enforcement

The Reagan administration proposed new rules yesterday for enforcing new immigration laws. The rules will, for the first time, apply to all US citizens. Job applicants would have to show a passport, naturalization certificate, or other documents to prove their legal status. (AP)

Amtrak hearings open

The first of many Congressional hearings on the Amtrak train accident opened yesterday in the Senate. The head of the panel holding the hearing said yesterday that he wants to determine whether the government is doing enough to ensure rail safety. The collision near Baltimore, MD earlier this month killed 16 people and injured 176 others. (AP)

IBM's profits crash

The International Business Machines Corp. announced yesterday that its profit fell 48 percent in the fourth quarter — a decrease that led to the first pair of annual earnings declines for Big Blue since the Depression. Although analysis had expected a sharp decline in profit, the fall was somewhat greater than most had predicted.

IBM earned \$1.39 billion for the quarter, which comes to \$2.28 per share. That's down from \$2.68 billion in the corresponding quarter last year. (AP)

Congress ponders more tax revisions

Members of Congress returned to work after Monday's Martin Luther King Jr. holiday to find a number of major issues on their schedules. Among them is a transportation bill some lawmakers hope to use to increase the highway speed limit to 65-mph in some rural areas. Lawmakers also will continue probes of the Iran arms scandal and consider a massive clean-water bill.

Many members of Congress have proposed changes to the recently enacted tax reform bill. Already, more than 100 amendments to the legislation have been proposed, including doubling the tax on cigarettes and eliminating the tax on tips earned by waiters and waitresses. (AP)

Florida jailbreak goes askew

Charles Hayden slipped out of a Florida jail last weekend handcuffed to a chair, according to a sheriff in Shalimar. Hayden subsequently stole a canoe and headed across a stream. He did not get far because he forgot to get a paddle. With deputies waiting on the bank, Hayden drifted helplessly back into custody, with the chair still cuffed to his wrist. (AP)

Local

Judge denies request for murder retrial

Judge James Bulman ruled yesterday that a reputed mobster convicted in the 1968 killings of two men does not deserve a new trial despite the fact that a key state witness committed perjury.

Bulman acknowledged in a ruling issued last week that witness John Kelley admitted during another trial that he lied at the trial of Maurice Lerner. But Bulman ruled that none of Kelley's lies concerned Lerner's role in the murders of Rudolph Marfeo and Anthony Melel.

Bulman, who presided at the 1970 trial, said that the proof of Lerner's guilt was overwhelming. Lerner, born in Brookline, is serving consecutive life sentences for the murders. He will be eligible for parole in 1989. (AP)

Sports

Becker loses to unknown

The Australian Tennis Open witnessed a major upset yesterday as two-time Wimbledon defending champion Boris Becker was bounced by unranked Australian Wally Masur. Becker went down by the score of 6-4, 6-7, 4-6, 6-2, 6-6. (AP)

Weather

Here we go again

The atmosphere will have had two and half days rest by the time yet another in a series of storms heads for New England. On Thursday afternoon the ingredients for a Thursday night to Friday storm were getting into position. The subtropical jet was racing across Mexico into the Southeast, while a storm in the Southwest moved toward Texas. These features will combine into a storm moving northeast Thursday morning. Bitterly cold air is expected to move east from the Great Lakes. Early indications suggest that the Cambridge area may receive a very significant snowfall.

Wednesday: Partly cloudy, high of 34°.

Wednesday Night: Partly cloudy and cold, low of 18°.

Thursday: Increasing clouds with snow developing, high of 30°.

Friday: Snow, possibly mixing with sleet or rain along coastal sections. High of 32°.

Saturday: Clearing and much colder. High of 18-24°, low of 5-10°.

Forecast by Michael C. Morgan

Compiled by Robert Adams

ATTENTION SENIORS POSITION AVAILABLE IN THE ADMISSIONS OFFICE AS AN ADMISSIONS COUNSELOR

The Office of Admissions is now accepting applications for the position of Admissions Counselor. This is a one year full-time position beginning in July, 1987 (some flexibility is possible). Duties will include:

- * conducting question and answer sessions
- * interviewing prospective applicants
- * visiting secondary schools
- * coordinating MIT student involvement in admissions
- * reading applications
- * participating in admissions committee decisions

Applications for this position are available from Tracy Pierick in the Admissions Office (3-108) and should be returned no later than Feb. 23, 1987.

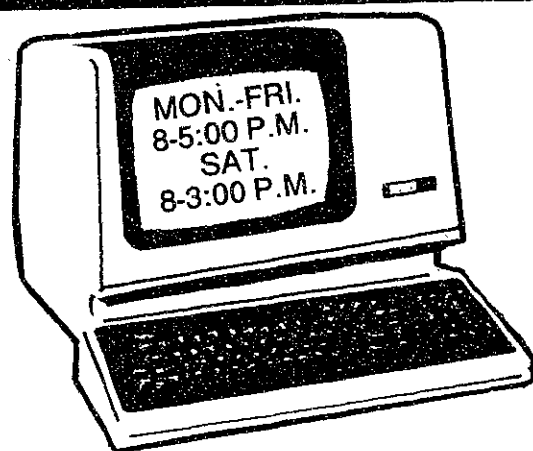
Note — This is for 1987 (Jan. or Jun.) MIT graduates.

HACKER'S DELIGHT...

P.C. BOARDS (POPULATED)
TERMINALS
DISK DRIVES
COMPONENTS

- CAPACITORS
- SWITCHES
- RELAYS
- SOCKETS and many more

VISIT US AT OUR SPACIOUS SHOWROOM



ELI HEFFRON & Sons Inc.

139 HAMPSHIRE STREET
CAMBRIDGE, MA. 02139

(617) 547-4005

opinion

Column/Sharalee M. Field

So you think you want a car. . .

It's Tuesday morning and I'm staring grumpily into a VDT and sniffing at my coffee mug and slice of day-old pizza. I've been editing opinion. I should have done that yesterday, but I was a little preoccupied. But this is not a column about an editor with the sniffles and a bad attitude. Rather, this column is dedicated to a small, green object with four wheels and a knack for causing problems.

It's been five months since the Scirocco came into our lives. We were mere babes in the woods. Carl could now travel to and from his Wellesley office without enduring public transportation and a quarter mile walk in a business suit. We could do our grocery shopping without breaking our backs and arms. Shopping malls were once again a reality. We were independent. Or so we thought.

When the electric fan died and the overheated engine almost followed suit, we were upset and baffled. We brought her out to my family in Norfolk to change the water pump the garage told us had passed on to a more peaceful existence. The Scirocco was happy, we were happy and one crisis was over.

Life went along happily for months to follow. One more trip to the suburbs for a lesson from Mummy on how to change the oil and filters, and we felt in control of the mechanical monster. That is, until we left the body lights on and murdered the battery. We were warned that the battery was losing it, but between his actuarial exam and my finals, we never quite got around to it.

We never quite got around to changing the oil, oil filter and gas filter, either. That Saturday, we again set out for Norfolk, planning to stop on the way to get the requisite materials. We then made the mistake of letting the oil drain in the driveway while we ate dinner. The already cold night became even more frigid; by ten, we were all stood freezing in the yard watching Carl try in vain to remove the oil filter. It was frozen to the car. An hour later we were heading back to Cambridge, and all our little green friend got was new oil. But she seemed happy and didn't even complain about starting in the cold. We hu-

mans weren't so fortunate. Sniffle.

Sunday we decided to justify our T passes, and the Scirocco sat idly in front of Senior House. Carl checked her new oil. All was fine, and we left her to be snowed upon.

Yesterday she would not start for all the premium unleaded in the world. We figured it must be the battery and, since mommy recommended it, we went in search of a Diehard. The nearest Sears store is at the South Shore Plaza in Braintree. For the blissfully unaware, at the present time this trek requires taking the subway from Kendall to Park, a shuttle bus from Park to Andrew, then the subway to the end of the Braintree line and finally another bus to the mall. Now imagine doing this in the snow, on ice and carrying a 20-pound car battery in a wet, grungy paper bag. Imagine doing the same thing in reverse, but with a clean new battery. Fine sport for a Sunday afternoon. But we managed, and Carl's back didn't quite break.

It didn't work. The battery was fine, but that wasn't the problem after all. We phoned home and were instructed to check the electrical system. We did. It was fine. We phoned home again. *The problem is in the gasoline. Probably a frozen line or frozen stuff in that old gas filter. Try choking it and if that doesn't work, take the gas line off and.*

Faced with heavy snow and bitter cold, we decided to give up until daylight. Carl arranged a ride to work, and we settled in to watch a Peter Sellers movie.

Quarter to nine the phone rang. It was my mother. *I hate to bring you more bad news, but as of nine o'clock there is a parking ban in Cambridge for snow removal. Better you have it towed than to let the city do it.* These were not welcome words to a man who had shelled out nearly \$100 already for his silly automobile. I called the housemasters. *Maybe you can push it around to the back of Senior House by the dumpster.* That would have worked if the car had not been snowed and iced in for 24 hours. We finally gave in and found a towing company to bring it to an MIT parking lot.

The plows were already out on Memorial Drive and coming per-

ilously close to our \$5000 investment. You never endanger a woman's baby or a man's sports car. As I stood, waiting there in the snowstorm, I couldn't help wondering if a car in the city is really worth it. Pneumonia is not my idea of a good time. Driving 30 miles to use a driveway is inconvenient. Receiving parking tickets when we try to park at Carl's Beacon Hill apartment is expensive and frustrating (and you thought parking in Cambridge is difficult). And then there's always the fun of Boston driving. But when the tow truck finally arrived and hooked onto her, I couldn't help cringing. I'll bet she doesn't like being picked up like that. Sniffle, sniffle.

So now I'm tired and vaguely stuffy headed and worried about what will happen when I trudge across campus to try to start her before the sun goes away again. And I know she will not have thawed and I will sit there grinding her starter and my teeth. Ah, the joys of being owned by a car.



feedback

Medical Department's insurance policies are arbitrary and dangerous

(Editor's note: The Tech received a copy of the following letter, addressed to Linda L. Rounds, executive director of the MIT Medical Department.)

Dear Ms. Rounds:

I would like to call to your attention and officially protest a policy of the Medical Department which I feel is utterly irresponsible, arbitrary, dangerous, and unjustifiable.

This is the policy by which the Medical Department routinely cancels the Blue Cross/Blue Shield group medical insurance coverage of the spouses and children of students. This cancellation occurs without the consent of the family involved, and without any notice being sent to them that they have lost their insurance.

Imagine my surprise to find out in November (while resolving some earlier maternity bills) that my wife and two sons had not been covered by any medical insurance for the previous two months. The MIT family policy, which I was careful to initiate upon becoming a graduate student and after returning to graduate student status after full-time summer employment, had been cancelled without notice.

Upon investigation, I was informed that this was MIT policy. A form, I was told, was mailed to most, but not all, graduate students five months earlier, which allows them to initiate, modify, or renew the policy. I never received such a form.

The Medical Department policy, in the case in which a form is not returned, is to cancel the existing policy for the family, but not the student, and not to notify the student or the family of the change. The Medical Department continues to send insurance bills to the student, who may have no idea that his family is no longer covered by his policy.

Students who are lucky enough, as I was, to discover that his insurance has been cancelled before a major medical emergency occurs (with potentially disastrous medical and financial consequences) is told that the

cancelled policy cannot be reinstated, and he must seek insurance elsewhere. I cannot imagine what happens to those students not lucky enough to find out that they lost their insurance before someone in their families requires major surgery.

The Medical Department policy in this regard is totally irresponsible and counter to the accepted insurance industry standards. Any other insurance policy one can purchase, whether it be for car, home, life or health, remains in effect until the policy holder requests a change. In the event that the insurer is forced to cancel the policy for some reason, the insurer is always certain to inform the policy holder of their loss of coverage.

Specifically, I recommend that the Medical Department policy be changed so that:

- All MIT personnel (faculty, staff, and students) be informed in writing whenever their MIT-sponsored insurance policy is cancelled, reduced or changed in any manner without their consent.
- When a student family plan change/renewal form is not received, the default policy be to continue the family plan with the coverage that was requested when the policy was initiated or last modified.
- All students whose policy is about to be cancelled be notified

in writing so that they can take steps to reinstate it through MIT.

I believe these to be reasonable, responsible policies which the Medical Department should be eager to adopt, as they aid the students, their families and MIT. They reduce the possibility of students and their families having to face the consequences of being involved in a medical situation while unknowingly uninsured, and consequently litigating against MIT for irresponsibly cancelling their insurance without notice.

You made it clear that you could not accept these suggestions, as they would be inconvenient for the Medical Department, and would only benefit several dozen families per year whose policies are cancelled without notice by MIT.

In reply, I cannot see that they would add any significant burden to the Medical Department, given the computerization of modern record-keeping, while their potential benefit is comparatively enormous. I urge you to reconsider. By supporting the existing policies, you are perpetuating a dangerous, unreasonable and morally irresponsible policy. I do not know how you can sleep nights knowing that your arbitrary policies are endangering an unknown number of MIT students' spouses and children.

George W. Hart G

The Tech

Volume 106, Number 60

Wednesday, January 21, 1987

Chairman Ronald E. Becker '87
Editor in Chief Harold A. Stern '87
Managing Editor Mark Kantrowitz '89
Business Manager Michael J. Garrison '88

PHOTOGRAPHY STAFF

Associate Photo Editors: David M. Watson '88, Kyle G. Peltonen '89; **Staff:** Jerry Broda '87, Rich R. Fletcher '88, Michael W. Halle '88, Kim A. Kellogg '88, Mark S. Abinante '89, Susan K. Fatur '89, Tom Coppeto '89, Terry P. Higgins '89, Steven Y. Kishi '89, Salma I. Saeed '89, Isaac L. Chuang '90, Lisette W. Lambregts '90, Mike Niles '90, Mark Virtue '90; **Darkroom Manager:** Steven Y. Kishi '89.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Halvard K. Birkeland '89
 Ezra Peisach '89
Staff: V. Michael Bove G, Peter E. Dunn G, Ronald E. Becker '87, Harold A. Stern '87, Ben Z. Stanger '88, Andrew L. Fish '89, Mark Kantrowitz '89, David B. Plass '90.

The Tech (ISSN 0148-9607) is published Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January, and monthly during the summer for \$14.00 per year Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139-0901. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. POSTMASTER: Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139-0901. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. Entire contents © 1987 The Tech. The Tech is a member of the Associated Press. Printed by Charles River Publishing, Inc.

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

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

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

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

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

opinion



- Are you certified in CPR?
- Would you like to teach others?
- If so, *Alpha Phi Omega* is holding an instructor certification course on January 24th from 10-3.
- Sign up in the *APO Office* (W20-415) or call x3788 or dormline 9373

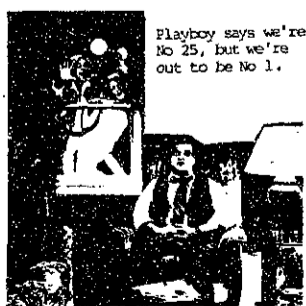
This space donated by *The Tech*

SCC DO YOU LIKE CONCERTS, PARTIES, COMEDIANS, AND MOVIES?

If so, join SCC and be a part of the party scene!!!

SCC puts on the following events:

- Strat's Rat Pubs
- Midnite Movies
- Battle of the Bands
- Spring Weekend Concert
- All Tech Sing
- Special Events- George Carlin
- Steven Wright
- and more...



Come join us for pizza and good times during our IAP meetings on January 11, 18, and 25 Sunday 7 pm in the Student Center Rm 347

A Message To M.I.T. Students Regarding Nominations For The Coop Board Of Directors

If you, as a Coop member and a degree candidate at M.I.T., are interested in serving as a Director of the Harvard Cooperative Society for the next academic year and you are an undergraduate student, contact Walter Rho, Chairman of the M.I.T. UA Nominations Committee in Room W20-401, Office Phone Number 253-2696. If you are a graduate student, contact Anne St. Onge in the Graduate Student Council Office, between the hours of 1:30 PM — 5:00 PM, Office Phone Number 253-2195. (Completed applications must be submitted by 5 PM, Friday, February 13, 1987.)

The Coop's Board of Directors has a total of 23 members, 11 of which are students from M.I.T. and Harvard, 11 are members of the faculty and staff or alumni of M.I.T. and Harvard, plus the President of the Society. The Board oversees the operation of the Coop, which is a \$50 million retail bookstore cooperative, and sets policy for the Coop's operation. The Board meets monthly during the academic year.



ON
CAMPUS
JAN. 29

MICROSOFT®

COLLEGE--WITHOUT THE EXAMS

We're Microsoft. We're doing great stuff. We're your company---college without the exams. We've got private offices, flexible hours, a health club membership, and exciting work to do. We're into everything:

- operating systems design for the 386 microprocessor
- virtual machine environments
- distributed pc networks
- state-of-the-art windowing environments
- integrated language processors to run on the newest processors, often before they are publicly introduced
- sophisticated applications involving graphical user interfaces, complex data structures, and clever algorithms---relational databases, wysiwyg word processors, business graphics, and world-class spreadsheets
- multitasking file and print servers
- CD-ROM technology

We want extraordinary people with top skills, top grades, superior achievements and demonstrated talents for software design and marketing. We will be on campus interviewing for our Systems, Applications and Languages groups for the following positions:

SOFTWARE DESIGN ENGINEERS

Networking ... sophisticated graphics ... compilers ... productivity software ... CD-ROM technology ... and more. If you have a degree in computer science with experience in micros, C, 8086, UNIX/XENIX or MS-DOS, we want to talk with you.

PROGRAM MANAGERS

- direct and coordinate all aspects of product development, including programming, documentation and testing
- set design goals and review product specifications to ensure consistency
- research and understand the product category, competitive products and relevant technologies
- You should have a strong understanding of systems, applications or languages software in a microcomputer environment; B.S. degree in computer science or related discipline. Project management experience preferred.

PRODUCT MANAGERS

- define business, product and marketing strategies
- direct all marketing communications, analysis, and training
- provide general business management---forecasting, manufacturing, and profitability review
- You should have a strong understanding of systems, applications or languages software in a microcomputer environment and experience in line marketing or pre-sales role directly related to microcomputer software product marketing. MBA with B.S. in computer science preferred.

Our location in the Pacific Northwest, near Seattle, is one of the most diverse in the country---an area where quality of life is high and exciting. Mountains for skiing, hiking and climbing are close enough for day-tripping. Two spectacular national parks are within easy reach. The beautiful San Juan Islands are yours to explore by sailboat or ferry, car or bike. Fishing? Only if you like salmon and steelhead. And we'll take care of you with generous benefits and relocation packages.

Check with your career office for interview sign-ups and further details about Microsoft.

Also, feel free to send a cover letter and resume to: Microsoft Corporation, Human Resources Dept. MB, 16011 N.E. 36th. Way, Box 97017, Redmond, Washington 98073-9717.

MICROSOFT®

An Equal Opportunity Employer

One-third of HASS faculty take 6.001 minicourse

(Continued from page 1)
 said Jack L. Kerrebrock, associate dean of engineering. "What we need is to better understand each other's viewpoints in more depth," Kerrebrock said.

Professors of linguistics and philosophy, for instance, are trained to think much like computer scientists, Merritt said. Writing good programs involves aesthetics, he said.

One HASS faculty member noted that the distinction between functions and objects in LISP is like the distinction between verbs and nouns, or between behavior and objective; one can break a problem down to the point where there is no such distinction.

Theoharis C. Theoharis, assistant professor of literature, said that his reaction to the course included "baffled fear that I would never be able to figure out the logic of this, . . . perfect confidence that I would, . . . [and]

contempt for the idea that this kind of thinking is pre-eminently valuable."

When it came to applications, Theoharis said, "That was where the science-fiction element came in. One professor said that a computer program could be generated to solve the political difficulties of the Soviet Union. Remarks like this seem to me just asinine, at best."

The 6.001 minicourse lasted one week. HASS professors attended lectures, recitations and labs, and viewed videotapes of the regular course lectures from 8 am to 5 pm, according to Bryan R. Moser '87. The course covered most of the basic elements of 6.001.

"I did not come out of that thing learning how to program," Merritt admitted. "I picked up a lot of ideas, a lot of concepts which were tremendously interesting. But you cannot learn 6.001 in a week."

Merritt continued, "The thing I got most out of it was a number of models for the way that people in that field think, a certain new respect for precision and decent language . . . [because] the computer is unforgiving." He also expressed admiration for the quality of the Course VI faculty and 6.001.

"It's good to get to know your colleagues in that way in any department," Merritt said. "We all got to see why everyone makes such a fuss about 6.001," he added. "The students [HASS faculty are] dealing with all the time [who] may or may not be responding to novels or poetry . . . are probably preoccupied with problem sets they were issued in courses like 6.001," Merritt observed.

Theoharis shared this concern over the 6.001 workload. "[The minicourse] made it extremely clear that [6.001 students] are un-

der extraordinary psychological pressure, and extraordinary intellectual pressure, too," he said. "My sense is that it's counterproductive for them and everybody they have to deal with," he added.

"It seems silly for engineers as well, who are supposed to be masters at distributing pressure," Theoharis said. "They distribute the force at the weakest point and at the most they can until they break people and then they move on," he observed. "The people who somehow manage to get through [6.001] don't come out unscathed," Theoharis said.

"I happen to believe that 6.001 should be taught to everybody," said Professor of Electrical Engineering Louis B. Braida '69, the instructor of the mini-course. "It would be very exciting to have humanities faculty teach the subject, or to have a version appropriate for people from a humanities background," he said.

In teaching the course to a new audience, Braida learned how much the bias of the students affects the text and syllabus. For example, mathematics fills the examples in the beginning of the textbook, but math is not really fundamental to 6.001; it is only used because all MIT students are comfortable with square roots, prime numbers, and derivatives, he said.

MacVicar stressed the importance of educating humanists and engineers about each others' fields. To only teach computer science to HASS faculty, she said, would perpetuate the myth that technology could help the humanities but not the other way around.

Braida pointed out, however, that there was no analog to 6.001 in the HASS department that engineers had not already been exposed to.

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.

Wed., Jan. 28

The MIT-Japan Science and Technology Program will be sponsoring a presentation by Prof. Steve Benton, director of the Spacial Imaging Lab. He will demonstrate and describe the exciting new direction of **holographic techniques** in the United States and Japan from 1-3 pm in E15-401.

Friday, Jan 30

The **Boston Area Bicycle Association** is sponsoring a talk by Glen Margoles, who will discuss his experiences cycling in Europe and Asia. The talk, along with a slide presentation, will be held at 7 pm in room 1-114.

Announcements

February, March, and April have been designated **Harold E. Edgerton months** at the **New England Aquarium**. MIT students with student identification will be admitted free during these months. Aquarium hours are 9-5 Monday through Thursday, 9-9 Friday, and 9-6 on weekends and holidays. This special offer is made possible through the generosity of "Doc" Edgerton, who hopes to encourage interest in the world of water through the free admissions program.

The Civil Engineering Department will offer eight **UROP traineeships** for the spring semester. The program is intended to encourage undergraduate research in the department, especially by freshmen. Interested undergraduates should contact the

Civil Engineering Undergraduate Center (1-143) or Prof. Hemond (48-419, 3-1637) for more information.

* * * *

The Massachusetts Association of Student Financial Aid Administrators, Inc., is offering its tenth annual toll-free **student financial aid hotline service**. MASFSA's telephone hotline service will operate weeknights, 5-9 pm, until Feb. 13. Call 1-800-262-8558 to receive advice on financial aid application and eligibility requirements.

* * * *

February degree candidates are reminded that prepaid postcards enclosed with February degree notice must be returned. Please indicate whether diplomas are to be mailed, called for in person, or if attendance at commencement is planned.

Endterror, an Ottawa based organization, is sponsoring an **essay writing contest** about ways of combating terrorism. The contest is open to all an a prize of \$1000 will be awarded to the winner. For more information contact Linda Hagedorn (613-237-0424). The deadline is March 31.

* * * *

The department of materials science and engineering and the department of humanities are requesting applications for the **Kathlyn Langford Wolfe Awards in Materials Science, Humanities and the Arts**. Two \$1000 prizes will be awarded, one to an undergraduate and one to a graduate student, upon completion of an imaginative and significant project combining research in materials and humanities or in materials and the arts. Preliminary project proposals are due Feb. 4, 1987.

Keep in touch with the 'Tute...

The Tech's been keeping in touch with the Institute for over a century — covering issues both on and off campus that affect MIT students. From the future of student loans to the future of pass/fail grading, from fun on the football field to fun in and around Boston and Cambridge. *The Tech* has kept its readers informed and entertained since 1881. There's no better way for parents (and aunts and uncles and brothers and sisters and goldfish) to keep in touch with what's going on at the Institute. Subscribe to *The Tech* — join 15,000 readers who keep in touch . . .

with **The Tech.**

Send me home.

US Mail Subscription Rates

1st Class: 2 years \$67 1 year \$36
 3rd Class: 2 years \$26 1 year \$14

Foreign Subscription Rates

Canada/Mexico (air mail): 1 year \$40
 Overseas (surface mail): 1 year \$40

Prepayment Required New Renewal

Name: _____

Address: _____

The Tech

P.O. Box 29
 MIT Branch
 Cambridge, MA 02139

ORACLE®



Fastest Growing Software Company in the United States Seeks Top Gun Candidates

If you are in the top 10% of your graduating class and have academic credentials to brag about (great G.P.A., high school valedictorian, National Merit recognition, et cetera), then you should talk to **Oracle** about joining the best. **Oracle** is the fastest growing software company in the United States and the creator of **ORACLE** — the number one Relational DBMS that has been chosen over IBM and DEC by users polled in the Software News Users Survey.

Last year I hired over 50 of the top graduates from the finest schools. This year I am looking for even more graduates for every area of **Oracle**, including Development, Sales, Support, Marketing, Consulting, Finance, and International. We want very much to share our success with the best graduates of every discipline.

If you want to discuss opportunities at **Oracle**, sign up for an interview *and call collect immediately* (be sure to leave a message if I am unavailable).

Larry Lynn
Director of Recruiting
Oracle Corporation
(415) 598-8183

A career at Oracle Corporation will give you:

■ Exceptional Compensation

We pay exceptional salaries for exceptional employees. We offer complete medical/dental/life coverage, and flexible hours. Every employee has equity in the company through our stock option program.

■ Fascinating and Challenging Work

We need to staff development, marketing, and support positions to work on projects in distributed database, interactive graphics, and networking of heterogeneous computers, to name a few.

■ Exposure to the latest and most advanced technology

We already offer products on Suns, Apollos, MicroVaxes, and almost every IBM machine including personal computers and the RT PC. Today we are developing products using technology that is not yet in the marketplace.

■ A superior work environment

Oracle is headquartered in a new building in the rolling hills overlooking the beautiful San Francisco Bay. Additionally, we have offices in most major cities in North America, and subsidiaries in all major markets worldwide.

■ A superb group of peers

Company-wide, we hire only the best and the brightest from the finest of schools. When you work at Oracle, everyone you work with is a Top Gun Graduate.

■ A sign-on bonus

If you meet the Oracle standard of excellence, you may be eligible to receive a one-time bonus equal to 10% of your annual starting salary.

Oracle Corporation will be on campus
Tuesday, January 27 and Wednesday, January 28

comics

Outside Looking In

By V. Michael Bove



Join The Tech & Relax!

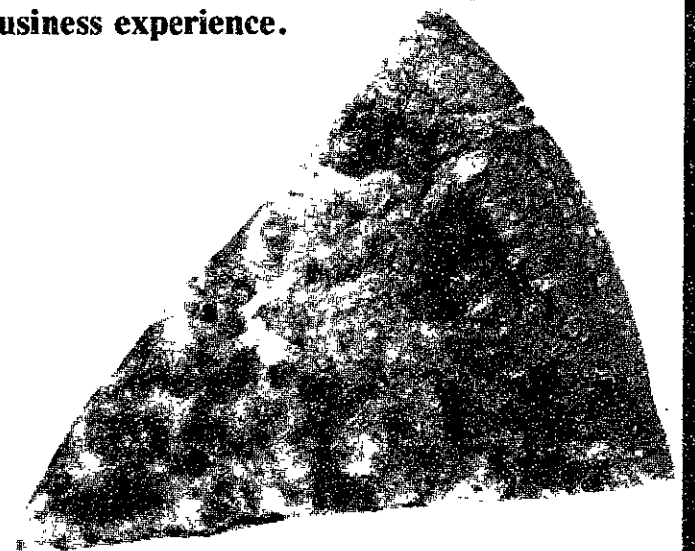
Enjoy yourself, and learn how to put out a newspaper while you're at it! We have pizza weekly, along with frequent restaurant and ice cream runs.

Interested in news, sports, features, arts, opinion, photography, graphic design, advertising or business?

Then what are you waiting for? Drop by and check us out!

- ★ News - Do you like to write? Are you curious about events and issues at MIT?
- ★ Arts - See a play or movie, read a book or hear a record you loved or loathed? Fringe benefits include free admissions passes and review copies.
- ★ Sports - MIT has over 20 varsity sports, so pick your favorite.
- ★ Photography - Pictures often tell the story best. Enjoy free film and chemicals, and a large darkroom to work in.
- ★ Production - Drop by if you're interested in graphic design, layout or typography.
- ★ Opinion - Vent your spleen about anything you see happening at MIT or in the "real world." Or try drawing editorial cartoons.
- ★ Features - Write about lectures and special events, cover offbeat stories, interview someone famous, or draw comic strips.
- ★ Business - Sell advertisements, learn accounting, and gain real-world business experience.

The Tech



Drop by our offices on the fourth floor of the Student Center next Monday night, or any Sunday, Monday, Wednesday, or Thursday night during the term.

Artistry is lost when black and white films are colorized

By PETER DUNN

SHOW WAS YOUR HOLIDAY? Well, during the day I did what comes most naturally to MIT students on vacation — I slept. Not all the time though. For the first week of vacation I had a lot of Christmas shopping to do. So the days were filled with mad rushing about town. But the nights were spent catching up on all the movies I'd missed during the term.

So what movies did you see?

You don't want to know.

Yes I do.

Okay. I saw "Mona Lisa," "Breakfast at Tiffany's," "Platoon," "Love in the Afternoon," "The Sting," "The Hustler," "The Good, the Bad, and the Ugly," "Miracle on 34th Street," "We're No Angels," "A Christmas Carol" with Alastair Sims, "Santa Claus Conquers the Martians," and the first ten minutes of "The Gods Must Be Crazy."

You're right — I didn't want to know. You're just a movie junkie who needed his fix.

Come on, it's not all that bad. As a movie reviewer for *The Tech* I don't have the time to see the movies I want to see, just enough time to see the movies I should review. Christmas is the only chance I get to see anything I'm really interested in.

I still say that you're a movie junkie: 12 movies in just two weeks is horrendous.

The other reason is that it's hard to see vintage film in Boston. With the Coolidge Corner and the Brattle coming under new management and the Orson Wells still not recovered from its fire a year ago, the only places one can see old movies are the Somerville Theater in Davis Square, the French Film Library in Back Bay, and at the Museum of Fine Arts.

There are other repertory theaters in Boston.

But not easily accessible to a student without a car. I'd really like to see more theaters closer to the downtown area in Boston.

That's still no excuse — you're still a movie junkie. Since it looks like discussing movies with you is unavoidable, we might as well discuss some of the films you saw. The only one I recognize as a current film though is "Platoon."

You should recognize "Mona Lisa" too. It's a re-release from last summer so that

people will remember it for the Academy Awards.

Whatever. The only movie that's come out in the last month that you've seen is "Platoon." I've heard a lot of people say that it's going to win best movie of the year. What do you think?

I think it is overrated. True it's very honest about its subject matter and I might agree that it is the most truthful movie made about the Vietnam War so far. Unfortunately too many people confuse honesty for good filmmaking. Don't get me wrong — it is a fabulous film but I think there were better films last year.

We shall see if you're right come Oscar time.

Oh, I think I forgot to mention that I also saw "It's a Wonderful Life," Frank Capra's Christmas film with Jimmy Stewart and Donna Reed.

I saw it also. The way George Bailey is stuck in Bedford Falls but finds true love and true happiness anyway was great. The cast of supporting characters filled out the small town atmosphere well. The wonderful colors that they added this year.

Hold on a second. I saw the black and white version. I had the option of seeing the colorized version but decided not to. Fortunately there is a program on TVOntario that shows old movies without any commercials and without any colorization. The only problem with Elwy Yost's Saturday night movies is that they conflict with Hockey Night in Canada — that's where the VCR comes in.

But what have you got against colorization? If anything it will attract more people to seeing the old movies that you're so fond of.

Hogwash. People are not going to view "Casablanca," "It's a Wonderful Life," and "The Maltese Falcon" any more frequently if they're colorized. The movies the companies are colorizing are specifically the ones that don't need any more publicity. As usual the prime motivation is not the cultural enhancement of the masses but big bucks. Ignore what the propagandists tell you.

But you must admit that people are more used to seeing films in color. This will make old movies more "accessible" to the common folk.

I thought I told you to ignore the propagandists. Film, as far as I'm concerned is an art. If you can sufficiently convince me otherwise (which I doubt) then you can



"Bert, look! Zuzu's petals." And look! They're in black and white in this scene from "It's a Wonderful Life" with Jimmy Stewart.

do whatever you will with colorization. Given that film is art, then you simply can't tamper with the artistic vision any way you see fit. Suppose you take Michelangelo's "Pieta." How would you like it if the Virgin Mary and Jesus Christ were painted flesh color to make them more "accessible" to the public? Or supposing you colorized an Ansel Adams print?

As any photographer will tell you, the considerations one makes before shooting a black and white photograph are different than the ones made before doing the same in color. The effects are different and a photographer chooses to shoot in black and white instead of in color to get those effects. The same is true of black and white filmmaking: there is a language, there are effects on the audience, that are simply lost when color is added.

I still don't really get what you're saying.

Well, take "It's a Wonderful Life." Remember the scene in which George Bailey tries to see his mother after his existence has been nullified? Well, there is a closeup on George's face after his mother doesn't recognize him and Clarence tells him he's never been born. That effect — the angular shadows on his face, the sharp contrast between light and dark — is an excellent example of *film noir* technique and loses most of its forcefulness when transformed to color.

Color films have been around for a long time. "Gone With The Wind" was made in color as long ago as 1939. Why do you suppose then that so many films were shot in black and white in the '40s and '50s? For one thing it was a convention (westerns, musicals, and epics in color, *film noir* and drama in B&W) but these conventions became established precisely because they suited the two media. Woody Allen made "Broadway Danny Rose" in black and white to take advantage of those conventions.

Back to your point about film as art. Granting that film is art, I can think of other art forms where an original has been changed and has still been considered art. Take for example Duchamp who painted a

mustache on the "Mona Lisa" and called it "L.H.O.O.Q." That was still considered art. Andy Warhol did some of the same, also doing his own version of the smiling lady.

But those artists *changed* the original to something new — "L.H.O.O.Q." is a different piece from the "Mona Lisa." Colorization makes no pretensions to change the film into something new, only to make it better or, as you say, more "accessible." People shouldn't tamper with pieces of art just to make more money — I still have a hard time watching movies on TV where the screen is too small and the continuity is interrupted by commercials.

So what do you suggest? That colorization and commercials be outlawed? If people don't want commercials they can buy a VCR and edit them out. If people don't want color in their black and white movies they can buy a B&W television or if they have a color TV just turn the color off. I don't see the problem.

As for your suggestion of buying a VCR to edit commercials, I highly recommend it — that's what I do. But turning off the color or using a B&W TV set does not have the same effect as viewing a film in B&W. Do you remember ever seeing a color film on a B&W television — you can sort of tell what's green and what's red and what's blue. That's because the colors change the shading of gray when viewed in black and white. So if you colorize a film then show it in black and white then you will again inevitably change some of the B&W effects. It is not so simple an option to view a B&W film the way you want once it has been colorized.

I would rather that people not watch colorized movies but it is not for me to decide whether there should be a law against them. If people want to view movies the way they are not supposed to be viewed, I guess that it's only like using a vise grip to hammer in a nail — plenty of people will do it but I'm not going to be the one to stop them. I can only recommend against it.

'Nuf said, I gotta go to class. See ya, I got a film review to write.

The Tech proudly presents...

The Tech Performing Arts Series

A service for the entire MIT community from *The Tech*, in conjunction with the Technology Community Association, MIT's student community service organization.

Special reduced-price tickets now available for the following events:

Sinfonova Chamber Orchestra

Sinfonova Chamber Orchestra, led by Music Director Aram Gharabekian, celebrates composer Alan Hovhannes' 75th birthday with an *All Hovhannes* Program concert in Jordan Hall on Friday, Jan. 30 at 8 pm. The program includes *Armenian Rhapsody No. 1*, as well as the Boston premieres of the *Armenian Rhapsody No. 3*, *Symphony No. 21 Etchmiadzin*, and *Symphony No. 24 Majnun*. MIT price: \$5.

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center on Thursdays Jan. 22 & 29 from 11 am to 3 pm. If nobody is in, please leave your order and your phone number on the TCA answering machine at x3-4885. You will be called back as soon as possible.

A R T S

Off the Beaten Groove



The Fountainhead delivers punch with strong guitar and synths

THE BURNING TOUCH
By The Fountainhead.

By MARK ROMAN

THE FOUNTAINHEAD CAME TO MIT last term in their first appearance on this side of the world; later in their cross-country tour, they played larger clubs as a headline act. For those who missed these shows, their studio effort, "The Burning Touch," delivers nearly all of the punch of their live performances.

The duo of Pat O'Donnell and Steve Belton is the core of this Irish band. All of the songs on the album were written, composed and performed between these two, yet this is *not* another British synth duo for the 13-and-under set. Rather, The Fountainhead delivers strong guitar lines, rock solid rhythm, and competent use of a wide variety of synthesizers. Graham Broad handled the drums and other percussion chores. It is remarkable that The Fountainhead can take their act on the road with additional bass and rhythm guitars and still not lose anything in the translation.

The album opens up with "Rhythm Method," which will be Fountainhead's big hit. It comes on strong with an infectious, driving beat under Belton's guitar. Belton's chops remind one of The Edge, but any comparisons between The Fountainhead and U2 end there; "Rhythm Method" is an undeniable dance tune. The song is filled with monster bass hooks that demand motion, starting strong and building to a crescendo.

Following right after is "Seeing Is Believing." No respite. Stay on your feet. Bass chops abound again but the guitar lead and keyboard lines are more noticeable this time. The reverb is deeper on the vo-

cal and the overall sound is a bit stark. There is an edge to Belton's voice, a kind of urgent growl that is loaded with tension. It stands up against the guitar, trading lines without giving up any ground. Together they carry the song over the dance beat.

The side finishes with "Feel It Now" and "When the Lifeline Ends." The former has an upbeat tempo, but it walks a pretty straight line — not bad, but palling in comparison to the opening cuts. "Lifeline Ends" also works out pretty well, with a slower beat and haunting vocals. Pat O'Donnell's synthesizers fill out the sound without overpowering it, but there is an annoying programmed drum track that was mixed too far into the foreground. It detracts from an otherwise fine song.

The second side heads into pop music starting with "Sometimes." Not a bad little pop ditty, and it is certainly accessible enough for pop radio playlists. It is somewhat surprising that this album has lain as low as it has since its domestic release last May. "Open Up" and "So Good" are forgettable cuts: certainly not terrible, but not great.

"Faraway" is the real surprise of this side. This is a slow, bluesy number which sets O'Donnell free on fabulous organ/synth and lets Belton deal out some great guitar. "Take My Life" closes the album and brings it full circle, back to "Rhythm Method."

All of the cuts are strictly LP: no extended remixes here. Yet, none of the nine songs is less than 4:20 long. The Fountainhead clearly isn't producing the average pop tune — but they are producing solid dance music. Most anything on this album could hold its own at a club, unremixed.

The Fountainhead has laid a solid base for further excursions into America. They

have a very accessible sound and a dance beat. Dick Clark would love them. Somehow, they do not seem to get stuck in pop mediocrity. Brian Tench's clean engineering and production makes for a polished sound. The Fountainhead plays with vitality and competence — tight, but not phony. They are everything Duran Duran could have been if Msrs. Taylor et al. had not been so worried about their clothes

and makeup.

The music contained in "The Burning Touch" is great stuff. Admittedly, this reviewer has been high on this band since they played Walker last fall. This, however, is no reason not to pick up their album. The O'Donnell/Belton duo is destined to go far; the recent American tour demonstrated well their musicianship and intensity.



UA Council Meeting

Thursday, January 22nd
7 — 9 pm

Mezzanine Lounge, Student Center

Social Council/Winter Weekend, Corporation Recent Graduate Membership Process, and other campus issues will be discussed. Representatives should attend.

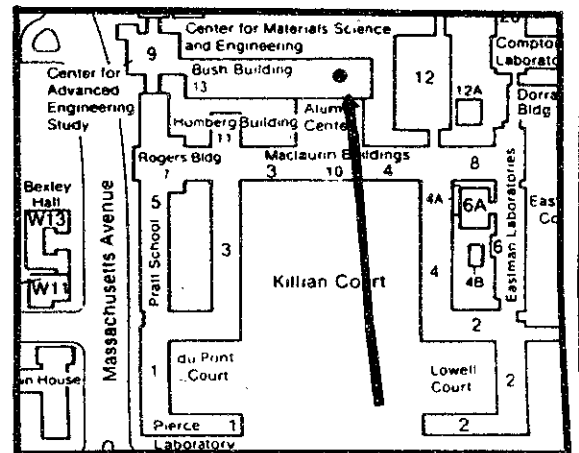
ALL WELCOME

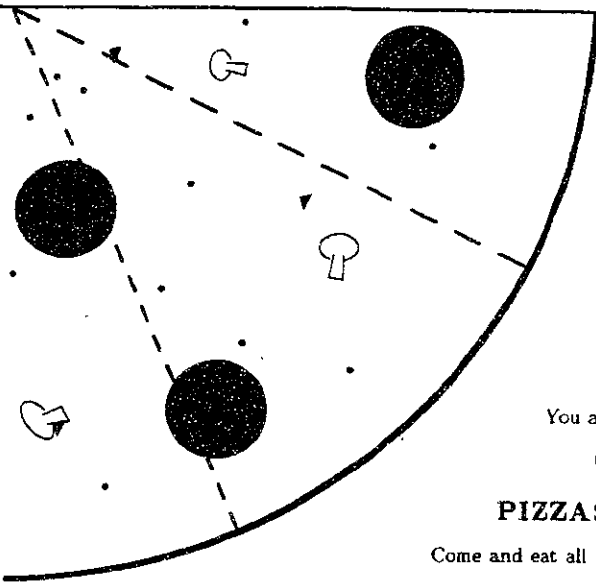
DRINKS AND MUNCHIES

Cafe 13

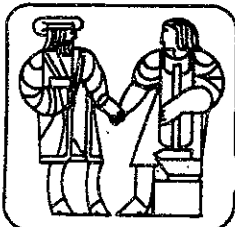
11:00am — 8:15pm food served
8:00pm — 10:00pm coffee, tea and performances

Come and relax at MIT's first IAP cafe, Cafe 13. Cafe 13 is brought to you by the Undergraduate Association, IAP Policy Committee, and MIT foodservice.





You are invited
to a
PIZZASOCIAL!
Come and eat all the pizza you can...
Thursday, January 22
8:00pm. Room 50-306
call x3-5440
for more information



GAMIT
gays at mit

**DEC/JAN/FEB GRADS
HIRING NOW**

THE PATENT AND
TRADEMARK OFFICE

E.E./M.E./CH.E.

Judge the patentability of scientific and engineering discoveries made by R & D engineers, inventors, and scientists world wide as a

Patent Examiner in Washington, D.C.

The Patent and Trademark Office offers unique career opportunities with • Challenge and responsibility • Career growth • Outstanding career Federal Government service benefits

For more information about a career as a Patent Examiner contact:

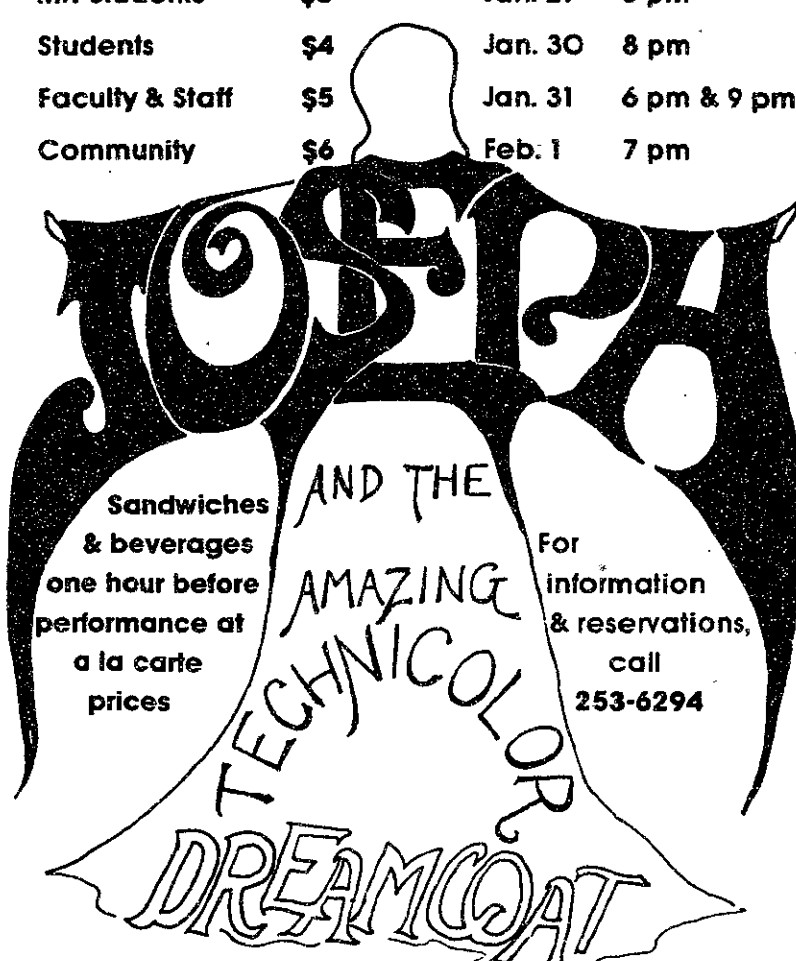
Manager, College Relations
Patent and Trademark Office
Office of Personnel
One Crystal Park, Suite 700
Washington, DC 20231
Call toll-free: 800-368-3064
(703) 557-3631 Wash., D.C. area



An Equal Opportunity Employer m/f • U.S. Citizenship Required

**MIT Musical Theatre Guild
proudly presents**

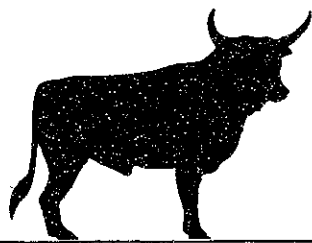
Tickets:		Performances:	
MIT Students	\$3	Jan. 29	8 pm
Students	\$4	Jan. 30	8 pm
Faculty & Staff	\$5	Jan. 31	6 pm & 9 pm
Community	\$6	Feb. 1	7 pm



Sandwiches & beverages one hour before performance at a la carte prices

For information & reservations, call 253-6294

Sala de Puerto Rico — MIT Student Center
84 Massachusetts Avenue Cambridge, Mass.



**MERRILL LYNCH
WILL BE ON CAMPUS**

January 26, 1987

At Merrill Lynch, the creative thinking of our professionals has helped us earn a legacy of innovation that has lasted more than 100 years — providing financial services to clients in Individual, Corporate, Government and Institutional markets.

To help us continue that legacy, we will be available to discuss career opportunities for:

- Corporate Systems Program
- Consumer Markets Program



Merrill Lynch Is An Equal Opportunity Employer

TERADYNE

From **TERADYNE**
A Very Large Scale Invitation
from a Technology Leader

In electronics, the era of very large scale integration (VLSI) has arrived, leaving many companies with products suddenly obsolete and engineering staffs struggling to catch up.

But not Teradyne. Thanks to \$165 million spent on R & D from 1981-1985, Teradyne was ready and waiting for VLSI.

Ready with VLSI memory testers, logic testers, analog testers, board testers.

Ready in Boston, Massachusetts, and Woodland Hills, California, where Teradyne develops ATE for the electronics industry.

Ready in Deerfield, Illinois, center for Teradyne's telephone system testing operations.

Ready in Nashua, New Hampshire, where Teradyne produces backplane connection systems and state-of-the-art circuit board technology designed to meet VLSI requirements.

This kind of technology leadership spells growth. Excitement. Challenge. Career opportunities you just can't find anywhere else.

Teradyne. A company ahead of its time, looking for some good people to keep it ahead.

For more information, see your Placement Counselor.

**SHARE
IN OUR
SUCCESS**



A R T S

☆☆☆☆☆☆☆☆☆☆

On the Town

☆☆☆☆☆☆☆☆☆☆

Wednesday, Jan. 21

Theaterworks presents the Boston premiere of Franz Xaver Kroetz's play, "Mensch Meier," translated by Roger Downey. Wednesday through Saturday at 8 pm at the Suffolk University Theater, 55 Temple St., Beacon Hill. Admission prices: \$8 on Thursday, \$10 Friday, and \$12 on Saturday. For reservations call 720-1988.

The Handel and Haydn Society present Haydn's *Symphony 60*, Mozart's *Piano Concerto in C Minor*, and Copland's *Music for the Theater*, Thomas Dunn conducting. At Symphony Hall.

Thursday, Jan. 22

Dr. Charles Dickinson and JoAnne Eaton Dickinson will present "Plus ça change," a lecture (in English) on the problems of love and sex in Western culture. At the French Library in Boston at 5:45 pm. Admission \$5, \$3 for students. For reservations call 266-4351.

Images for Survival, a poster exhibition commemorating the 40th anniversary of the dropping of the atomic bomb on Hiroshima, opens today at the Compton Gallery.

Friday, Jan. 23

Dance Umbrella presents today and tomorrow the Performing Arts Ensemble with guest artists Myrna Packer and Art Bridgman. 8 pm, Fitzgerald Auditorium, Cambridge Rindge & Latin School, 1690 Cambridge St., Cambridge. Tickets: \$8. For reservations call 492-7578.

The Opera Theater of Boston and New England Conservatories presents Ralph Vaughan Williams' "Riders to the Sea" and Giacomo Puccini's "Gianni Schicchi." At 8 pm at the Boston Conservatory Auditorium, 31 Hemenway St., Boston. Tickets: \$7. For reservations call 536-6340.

The French Film Library presents "L'Age d'Or" (1930) and "Le Chien Andalou" (1928), two films by the great director of the surreal, Luis Bunuel. At 8 pm at 53 Marlborough St. (on the corner of Berkeley), also showing Jan. 24 & 25. Admission: \$2.50 members, \$3.50 non-members.

Tania Maria, the Brazilian pianist/vocalist, displays her exotic blend of jazz, pop, and samba. At 8 pm and 11 pm at Nightstage, 823 Main St., Cambridge. Tickets: \$11.50 adv/\$12.50 day of show. Information: 497-8200.

Saturday, Jan. 24

The Sommerville Theater in Davis Square shows Jean-Jacques Beienix's visually titillating film, "Diva," at 3:40 and 7:45. Also been shown is the anti-war cult classic, "Roi de Coeurs" ("The King of Hearts"), at 5:50 and 10.

Power and Gold: Jewelry from Indonesia, Malaysia, and the Philippines, an exhibition offering a premiere presentation of jewelry from southeast Asia, opens today at the Museum of Fine Arts. Continues through March 22.

The John Oliver Chorale and Orchestra presents Anton Bruckner *Messe e-moll* and Heinrich Schütz *Musikalische Exequien*. At Jordan Hall at New England Conservatory at 8 pm. Tickets: \$12, \$9, \$6. Available from ConcertCharge 1-800-442-1854.

Sunday, Jan. 25

The Pro Arte Chamber Orchestra of Boston presents guest soloist Victor Rosenbaum in Beethoven's popular piano *Concerto No. 2*. The program also includes Schumann's *Symphony No. 2* and Thomas Flaherty's *Flute Concerto*. Concert at 3 pm at 104 Charles Street, Boston. Tickets: \$8-\$15 available at Bostix or chargeable by

phone, 661-7067.

The Sommerville Theater at Davis square shows "Stranger Than Paradise" at 6:00 and 10:00, and "Down By Law" at 8 pm. Continues through Jan. 27.

John Gibbons, on harpsichord, presents music by J. S. Bach at 3 pm at the Museum of Fine Arts.

The New Ehrlich Theater presents "American Graphic" by Kim Alan Pederson, a play set in the not-so-distant future where the sun is dying and the government kills for microchips. At 8 pm at 539 Tremont St., also Jan. 26 & 27. Tickets: \$5. For reservations call 482-6316.

Dame Kiri Te Kanawa, soprano, offers a Celebrity Series recital in Symphony Hall at 3 pm. The program includes works by Piccini, Purcell, Mozart, and Liszt. Tickets: \$18 and \$20 available through the Symphony Hall box office (266-1492) or by calling ConcertCharge (497-1118).

ARTS

ADROIT systems inc

- Computer Graphics
 - Simulation and Modeling
 - Remote System Sensing
 - Radar Systems
 - Digital Signal Processing
 - Computer Science
 - State-of-the-Art Systems
 - Professional Growth
 - Rapid Growth Company
 - Excellent Fringe Benefits
 - Employee Ownership
 - Washington D.C. Area
- Do you like a challenge?
 - Can you contribute in a fast paced environment?

If you are completing a B.S., M.S., or Ph.D. in E.E., C.S., or Operations Research, please sign up to talk with:

Dr. John N. Latta
on
February 9, 1987

U.S. CITIZENSHIP REQUIRED

AN EQUAL OPPORTUNITY EMPLOYER

sports

Engineers outshoot Terriers

By Alison C. Morgan

The MIT Engineers took the Thomas College Terriers for a walk on a sunny Saturday afternoon in Rockwell Cage. The Terriers fetched their second straight loss while the Engineers extended their winning streak to four.

MIT center Maureen Fahey '90 scored 17 points in the first half. Fahey shot from in and around the paint, not to mention an afterthought from three-point territory.

Thomas certainly had a good team but MIT has more in Fahey. The upstart starting freshman center finished with a game high 24 points and 16 rebounds.

Thomas' center, Pauline Therriault, entered the game averaging 20.6 points per game. But after scoring her team's first two points, Therriault was not heard from again until less than two minutes were left in the first half. Fahey, who averaged 11.9 points per game, scored MIT's first six points and kept pouring shots in.

Biz Williamson G swished a fadeaway jumper to up the score to 8-4. Fahey rebounded the ensuing Terrier brick and was frantically fouled. MIT led 10-4 and never looked back.

Together, Tech's Twin Towers Darlene Dewilde '88 and Fahey dominated the acre underneath the basket. Dewilde scored off a sweeping bankshot, 13-7 MIT.

Athena Cozakos '89 made a radar steal flinging MIT into a fast break. Martha Beverage '87 was fouled trying make the layup and converted both shots from the line.

After a series of turnovers by both teams, Cozakos hauled down a defensive rebound and

was fouled. The inbounds play resulted in a sweet layup by Beverage, 17-9 MIT.

Dewilde picked up her third foul and temporarily left the game. Thomas then made a short run to pull within four, 19-15. But Beverage kept the Terriers at bay with a behind the backboard scoop pass to Fahey for two.

Judy Mourant '87 came off the bench to give the Engineers their biggest lead yet at 28-19. Therriault was heard from again and the lead was cut to six. Fahey answered back and MIT led 30-22.

Irene Gregory '88 and Fahey

worked on the clock shortly after halftime. Both made shots with less than ten seconds to go on the thirty-second timer and MIT was up 36-24.

Cozakos then froze her opponent in her tracks and laid the ball in the hoop. Beverage's drive-thru window layup put Tech 12 points ahead.

Thomas cut the lead in half. But Williamson kept the Terriers on a leash with two consecutive baskets, 46-36 MIT.

The Terriers refused to roll over and nulled to within six. (Please turn to page 15)

Wrestlers get two wins, boosting record to 9-1

By Mark Edelson

Continuing its impressive season, the MIT varsity wrestling team soundly defeated two opponents this past weekend in dual meet competition at Williams College.

MIT currently possesses a 9-1 record; the last two victories came against Norwich College with a 23-20 decision, and Williams in a 35-9 decimation.

The team, led by captains Edward Cashman '87, Michael H. Decker '87, and Peter R. Wurman '87, is looking forward to placing several wrestlers in the New England and eventually sending wrestlers on to the nationals.

Able to fill all ten weight classes with only four upperclassmen, the team can look forward to several years of fine wrestling. Of particular note are the team's sophomore lightweights: Jeff A.

Traub '89, Richard O. Lodewick '89, and Scott E. Schwartz '89, who fill the team's three bottom weight classes. The three have the phenomenal combined record of 24-0-4 and will surely be competitive in their respective divisions at the New England.

Tough matches are on the horizon with meets against Rhode Island College and Worcester Polytechnic Institute, two perennial rivals, in February. MIT hosts Trinity College Wednesday and Boston College Friday both at 7 pm this week in the wrestling room. On Sunday starting at 10 am, MIT will be sponsoring the New England Collegiate Classic Wrestling Tournament with 20 schools, primarily Division I and II teams.

(Editor's note: Mark Edelson is a member of the MIT wrestling team).

**Harvard-Epworth
United Methodist
Church**
1555
Massachusetts Ave.
(opposite
Cambridge Common)
Sunday Worship: 9 and 11 am

BAUER CUSTOM PRO
 Sug. Price \$119.95
 Sale \$89.50

 (416-7600) **SPORTS ETC.**
 1527 Mass Ave
 Arlington
 Save \$30

Winter SAVINGS



HALLS 30'S .83	BAND-AID ALL WIDE 30'S LARGE 50'S MEDICATED 20'S OR CLEAR 30'S OUR CHOICE 133
NEUTROGENA SHAMPOO OR CONDITIONER 3 OZ. 198	CLERZ-2 15 ML. 279
OS-CAL 500 REGULAR OR PLUS D 60'S 499	UNISOL 4 8 OZ. 233
OS-CAL 500 CHEWABLE 60'S 444	B-D DIGITAL THERMOMETER LESS MFG. \$5.69 REFUND -1.00 FINAL COST \$4.69
OS-CAL 250 100'S 419	Kendall Drugs Your MIT Community Drugstore Kendall Square 492-7790 Sale ends 1/28/87 012187
Q-VEL MUSCLE RELAXANT 30'S 488	VAPORUB 1.5 OZ. 144

AEROSPACE ENGINEERING GEORGIA INSTITUTE OF TECHNOLOGY

Major areas of graduate study and research (M.S. & Ph.D):

Aerodynamics	Controls, Flight
Aeroelasticity	Mechanics & Optimization
Combustion	Propulsion
Computational Fluid	Structural Dynamics
Dynamics	Structures —
Computer-Aided Design	Composites

Individual tuition & fees are \$1,691 per calendar year.

Total financial aid per calendar year:

\$13,000 + tuition & fees	Selected Research
\$9000/\$13,5000	Fellowships
	Research Assistantships

All graduate students will participate in research.

For further information contact:

Dr. C.V. Smith, Graduate Coordinator
 School of Aerospace Engineering
 Georgia Institute of Technology
 Atlanta, Georgia 3033
 (404) 894-3011
 Office hours: M-W 2-4:30

SMITH BARNEY

"They make money the old-fashioned way. They earn it."

A TRADITIONAL INVESTMENT FIRM LOOKING FOR NON-TRADITIONAL PEOPLE

Smith Barney is now accepting applications for the position of Financial Analyst in their Public Finance and Mortgage and Asset Finance Departments.

Resumes and cover letters must be received by January 30.

See your career placement office for information.

sports

MIT hosts US fencing open

By Jason Bochinski

The weekend of Jan. 10 saw fencers from nearly 30 schools descend upon DuPont as MIT hosted the 1987 United States Fencing Association Collegiate Open. MIT's épée team took second place in this prestigious competition, which is soon expected to surpass the National Collegiate Athletic Association Tournament as the premier college fencing event. Already, more fencers compete in the open than in the NCAA event.

Saturday's competition included men's sabre and women's foil. The absence of Captain Linda Ysuetta '88 hurt the women's team in the individual competition. In the team event, MIT place ninth of 11 teams, ahead of California State University at Long Beach and just behind Brandeis.

In the stiff sabre competition, Jae Sang '88 placed 23rd among the finishers. In team sabre, MIT's squad finished seventh of the nine entering teams.

On Sunday, men's foil and men's épée fenced. Captain Carl Williams '88 placed tenth in a field of 40 foil entrants. The foil team finished sixth out of ten in the team competition.

The épée team fared the best of all the MIT squads. Jeffrey Arenburg G earned himself a medal in the individual contest, taking third place. Jason Bochinski '88, eliminated by team-

mate Arenburg, snatched eighth place in the tournament. Andrew Keith '88 placed 17th, and Joseph Harrington '88 24th.

The team competition seeded the home team epeeists third out of nine squads. Overcoming a slow start, MIT rolled over Brandeis University 5-2 and powered past California State University

at Long Beach 5-4, before bowing to the first place finishers from Pennsylvania State University, 5-2. The epee team earned a second place team trophy for its successes.

(Editor's note: Bochinski is member of the men's fencing team.)

MIT fencers lose close meets to Hopkins, CSU

By Jason Bochinski

Both the men's and women's fencing teams, weary from hosting the USFA Collegiate Open Tournament over the weekend, dropped close meets on Jan. 12. Several fencers successfully battled their fatigue and raise the level of their fencing, but there was no cohesive, coordinated string of victories for the squads.

The women's captain, Linda Ysuetta '88, was noticeably absent. Anchored by LeNore Lehman '87 (2-1) and Angela Putney '89 (2-2), the squad narrowly lost a close one to the visitors from California State University at Long Beach.

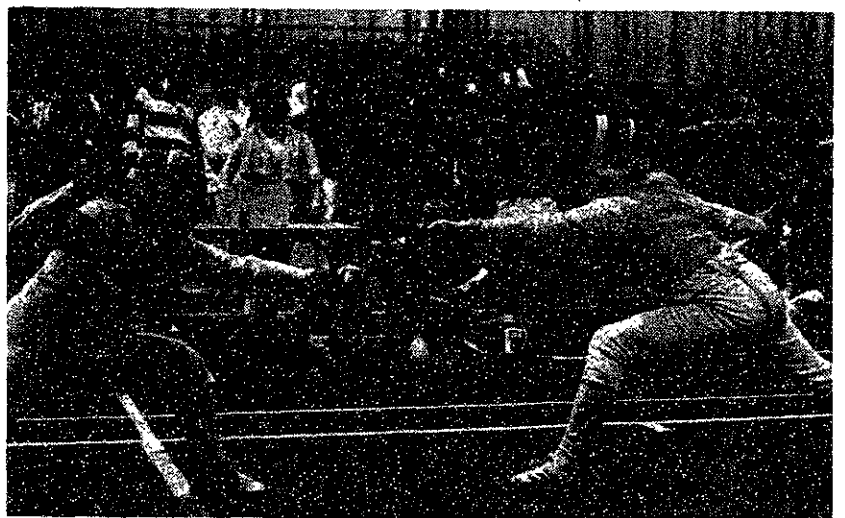
Long Beach took an early lead over the home team, forcing MIT to play catch-up as the meet progressed. The women managed to close the gap in the last round, winning three of four, only to have victory slip from their grasp in the last bout, 9-7.

The men hardly fared better. Fencing with obvious weariness, the squad lost to a very balanced Long Beach team, 15-12. The competition was close; each weapon lost 5-4. Jeffrey Arenburg G (3-0) épée, Perry Ziff '88 (2-1) foil, and Jae Sang '88 (2-1) sabre, paced each weapon respectively, but to no avail.

Facing Johns Hopkins University the same afternoon, the men were better rested (Johns Hopkins has no women's team). Sweeping foil in the first round, the team forged an early 7-2 lead over the visitors. Hopkins fought back determinedly in the next round. A come-from-behind victory by épéeist Jason Bochinski '88 in the last bout of the round preserved MIT's lead, 10-8.

Entering the third and final round, MIT fencers felt confident they could pull out a victory, but their weariness and tenacious fencing by Johns Hopkins combined to defeat them. The foil squad, led by Captain Carl Williams '88 (3-0) beat their Hopkins counterparts 5-4. Despite this and similar efforts by Sang (3-0) in sabre and Bochinski (2-1) in épée, MIT lost the meet 14-13.

(Editor's note: Bochinski is member of the men's fencing team.)



Rich Fletcher/The Tech
Fencers face each other during the US Intercollegiate Fencing Association open two weekends ago.

Fahey scores 24 as MIT dribbles past Thomas

(Continued from page 14)

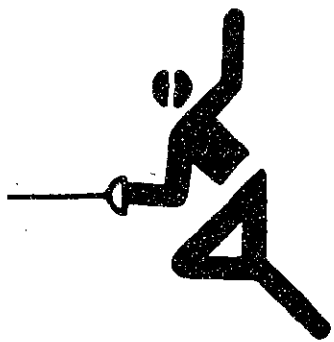
Beverage finally put the Terriers to sleep with a cross-court bounce pass to a wide open Cozakos to restore the lead to nine.

The Terriers called time out in vain to figure out a nine-point play with less than 30 seconds re-

maining. MIT won handily, 57-46.

Coach Jean Heiney noted that underneath Fahey's stellar stats was a total team effort. "Everybody's doing their part, including teammates on the bench. They do their part in practice."

Join the
Sporting life!
**The Tech
Sports**



SENIORS/GRADS

Want to teach in Chicago or NYC area next year? Exciting intellectual environment, challenging students, excellent and benefits.

Two independent schools interviewing for teachers (certification not required)

Grades 9-12 physics, geology, math, English, American History teachers

Grades 6-9 algebra/geometry, science, European and ancient world history, literature teachers

Grades K-5 homeroom teachers

We can interview you in Boston on February 25th. Send resume to

Dan Kahn, School Head
Anshe Emet Day School
3760 North Pine Grove
Chicago IL 60613

and/or

James Van Amburg, School Head
Dwight-Englewood School
315 East Palisade Ave.
Englewood NJ 07631

◆リクルートからの
メッセージ

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

求ム！
日本語話ス
新国際人

Date: February 3, 1987
Sign up at your
Place: Career Placement Office today!

Recruit Co., Ltd., Campus Interview for Bilingual (English/Japanese) Students

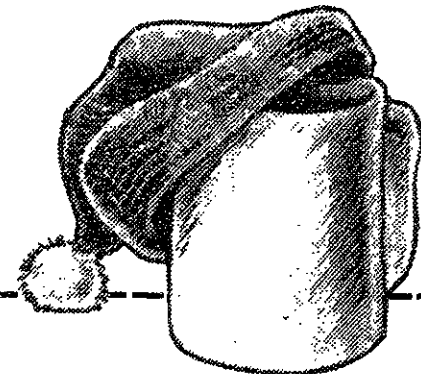
お問い合わせは

◆RECRUIT U.S.A., INC. 担当: 上野

700 S. Flower St., Suite 3210
Los Angeles, CA 90017
Tel. (213) 683-1081

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

Winter Warm-Ups

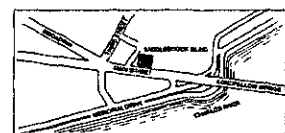


\$1.00 OFF
Our Daily Entrée with
Cup of Soup or
Garden Salad

Milk Street Cafe

101 Main Street, Kendall Square, Saddlebrook Bldg.
Open 7 AM-3 PM Mon.-Fri. 491-8286
Offer expires January 31, 1987

Redeem this coupon for \$1.00 off on some of the best food you've ever tasted. At the Milk St. Cafe, we make everything with fresh, all natural ingredients. Come in and taste for yourself.



Milk Street Cafe

101 Main Street, Kendall Square, Saddlebrook Bldg.
Cambridge, MA • 491-8286
• Ask us about our comprehensive catering services •
Complimentary 2 hour parking available in the building.

sports

Hockey wins its fourth consecutive game, 10-2

By Peter Dunn

These men can do no wrong. The MIT men's hockey team extended its winning streak to four games, defeating the University of Rhode Island Rams Saturday in the semifinals of the Fourth Annual Ben Martin Ice Hockey Tournament.

The victory, coupled with Tufts's 6-3 win over Suffolk University, gives MIT the opportunity to avenge their only loss of the season. The Beavers suffered a 4-3 loss at the hands of Tufts in December, and will get a second chance as the two teams meet in tonight's championship game.

The game against URI was again dominated by MIT's power-play and penalty-killing units, coupled with sparkling performances by Alex Jessiman '88 and Peter Gasparini '88 in goal. Defenseman Jessiman scored six goals and had one assist.

The first period began with the Beavers dominating the neutral zone and the Rams's defensive zone with a lot of good fore checking. URI's inability to break out of their own zone forced them to ice the puck often during the first several minutes. As the game progressed, URI gained composure and began moving the puck up the ice more efficiently, but MIT still dominated.

The Beavers kept up their pressure and moved up the ice well. But both teams had trouble defending against forwards breaking up the wings. The MIT defensemen sometimes gave the wingers too much room, allowing them to sweep wide then cut in quickly towards the net.

All three of MIT's first period goals came on power plays, two of them from Jessiman on rebounds in front of the URI net. The third came as Jessiman passed from behind the goal line to John Santoro '89 in the corner of the URI defensive zone, who then stickhandled all the way to the net.

The lone URI goal of the period came as the Beavers lost their concentration for a moment. Two MIT players took out the same puck handler, who managed to get his pass off to another URI forward. Gasparini stopped the initial shot but could not block the backhand from the rebound.

The pattern of previous games reemerged in the second period as MIT widened a marginal lead into an insurmountable one.

The Beavers scored three goals while keeping the Rams scoreless, extending their lead to 6-1. Again the MIT power-play squad showed its prowess as the Beavers scored two goals with man advantages. Jessiman put both of them in the net — one from a deflection off the URI goal post, the other as he took the puck from the neutral zone up the right wing and put a soft shot in from what seemed an impossible angle. Paul Tiao '89 scored the third goal of the period, when the URI goaltender mishandled a rebound after a defenseman accidentally hit the puck towards his own goal.

Despite the margin of victory, the Beavers' play seemed lackadaisical on the whole. MIT's power play was not as productive as it has been. The MIT players,

sensing the tide turning in their favor as several penalties were assessed to URI, chose to lay back on their lead instead of keeping up constant pressure.

This strategy was even more evident during the final period. The Beavers, while on defense, often played deep in their own end, giving the Rams the shots from the point.

The game became more physical at this point, especially in the corners, with less fancy stickhandling and passing. The Beavers were at a disadvantage for most of the third period as they were assessed more penalties than the Rams. This only gave the penalty-killing squad a chance to show that it was just as good as the power-play unit. URI did not manage to score a single power-

play goal while the Beavers scored two goals while short-handed.

A great deal of the efficiency of the penalty killing must be attributed to Gasparini, who made several brilliant saves on breakaways and facing shots with crowds on his crease.

Two of MIT's third period goals (including one of the short-handed goals) came from Jessiman, this time showing how much of a threat he is from the point. Both shots came from deep at the blue line, although one goal was due more to a nasty bounce that the puck took in front of the net rather than to the accuracy of Jessiman's shot. One power-play goal was scored as Gary Zentner '90 took the puck from a faceoff outside the URI

blue line, beat the URI defenseman, and put it past the Rams goaltender. The last MIT goal, putting the Beavers into double digits, came from the swift Mike Foley '87 while MIT was again short-handed.

Unfortunately URI spoiled Gasparini's excellent display of goaltending when, with under one minute left in the game, a Rams forward came streaking up the left wing to put a backhand past Gasparini into the upper right corner of the net.

With the 10-2 win and the momentum of a four game winning streak, the Beavers are sure to do well against Tufts in the championship game tonight at 9 pm in the New Athletic Center.

Undefeated gymnasts vanquish Yale

By Carl Weiner

The MIT men's gymnastics team raised its record to 2-0 Saturday with a decisive 197.20 to 93.65 win over Yale. As in its first meet, MIT suffered from a lack of real competition. Nevertheless, the team provided the large, enthusiastic crowd at Yale with a display of fine gymnastics. The meet gave MIT a chance to test and refine a variety of moves that will be crucial at tougher meets, such as the home meet against Coast Guard and Vermont this Saturday.

MIT showed its strength right away at Yale with difficult floor routines. Co-captain Matthew Kaplan '87 started his routine

with a perfect full-twisting back somersault, gaining him a score of 8.4, and co-captain Brian Hirano G dazzled the audience with a high double-back somersault, scoring a 9.4 in the event. Mark Malonson '89 scored 8.6 with a strong performance that included a mid-air cartwheel.

Hirano led the team in scoring with fine routines on all events, including a rings set for which he scored 9.2. His rings performance contained a difficult inverted iron cross and a well-executed straight-leg double-back dismount. His total score of 48.1 for all events was a new MIT record.

Other fine routines were dis-

played by Eric Reifschneider '89 — who appeared strong on pommel horse and rings — and by Alan Nash '89, who employed travelling flairs on his pommel horse routine. Carl Weiner '87, competing in his first collegiate meet, started the team off with clean routines on pommel horse, rings and parallel bars.

The home meet this Saturday will feature both the men's and women's gymnastics teams, with the MIT women competing in their first meet of the season. This six-team meet will begin at 1 pm in DuPont.

(Editor's note: Weiner is a member of the men's gymnastics team.)

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.

Spring Break Jamaica Project Manager needed. FREE vacation plus \$\$\$, 1-800-237-2061.

PROFESSORS: Responsible, experienced Wellesley College honors graduate available for typing and proofreading of manuscripts on a freelance basis. Fast turnaround, reasonable rates, will pick up and deliver. Contact Sharon Johnson, 451-1885.

Job Opening — The MIT Press Bookstore

The MIT Press Bookstore is looking for a dependable employee for customer service and sales work. Responsibilities include: ordering, stocking, display, cash handling and opening/closing. Prefer someone with bookstore or sales experience and/or knowledge of MIT Press books. Ideal for student or someone desiring part time work. Hours: variable 10-20. \$5.75/hour to start. Begins ASAP. Send resume or stop by for an application: Jeremy Grainger, Manager. The MIT Press Bookstore (in Kendall Square across from the "T"), 292 Main Street, Cambridge, MA 02142. NO PHONE CALLS PLEASE. An equal Opportunity Employer.

COMPUTER SCIENTISTS/PROGRAMMERS

If you are experienced with IBM PC's, graphics, and database management; have uncompromising high standards and a record of excellence, contact us immediately about an exceptional part-time opportunity. We are a Cambridge investment management company. We need you to configure an IBM PC AT system, organize and maintain a large financial database, and write programs for historical analysis and real time trading in the commodity and stock markets. Call 497-2240 or write: INVESTMENTS, P.O. Box 446, Cambridge, MA 02238

MIT Food Service PIZZA DELIVERY

1. Pizza Delivery Coupons are available in your dining room (see cashier)
2. Hours of delivery service:
Tuesday-Friday 7:00-10:30 pm
Saturday 4:00-10:30 pm
Call 225-7208
3. Tell us what kind of pizza you want and the delivery location
4. A freshly prepared pizza will be delivered to you!
5. Pizza Delivery available to West Campus only.
6. \$1⁰⁰ off any 16" pizza during I.A.P.!

225-7208