

Six Coop workers arrested at MIT

By Ivan Fong

Six Tech Coop employees were arrested by MIT Campus Patrol Friday morning and charged with "trespassing after notice," according to Campus Patrol Sergeant Alfred Cabral.

The employees were distributing union-information literature to other Coop employees at 8:45am in the lobby of the Student Center outside of the Coop. Campus Patrol officers were notified by Tech Coop manager Daniel Lunt, said Cabral. Lunt refused to acknowledge the call, but commented "The MIT Police were just doing their job, ... they [the employees] had been warned that the lobby is MIT private property."

Tech Coop employees Dale Archer, John Laughlin, Dorothy Mangan, Steven O'Rourke, Anita Ross, and Mark Weinberger were arraigned at Middlesex County Third District Court in East Cambridge and "released on their own recognizance," reported a clerk for the District Court. The continuance time was set for 9am on March 24.

Cabral also noted that the lobby where the employees were handing out handbills is considered private property of MIT. He added that the six arrested went peacefully but "seemed to be challenging our authority."

"We believe we were within our legal rights to distribute literature in front of the store," said Laughlin, one of the six employees arrested. "The incident showed that the management has taken a definite anti-union stance, in that the [Tech Coop] general manager did, in fact, call the [MIT] police," he continued.

In a letter to Coop employees later that day Harvard Coop assistant general manager Haig Agababian stated, "The union official stood in the background and let our Coop employees take the blame for handing out the union's literature. ... Presumably the

union will attempt to gain support at the expense of these employees and blame the Coop for an incident over which we have no control. ... I hope the union does not create more incidents of this kind."

Union organizer Mark Govoni of Local 1445 of the United Food and Commercial Workers (UFCW), who was in the lobby Friday morning, reported that the union will file for unfair labor practices against the Coop.

Laughlin added, "The letter included blatant acts of misrepresentation by the Coop to sway employees away from un-

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The entrance to the Tech Coop was quiet on Monday morning following Friday's arrest of six employees. (Photo by Steve Cohen)

UROP funds not likely to dry up

By Jerri-Lynn Scofield

The twelve-year-old Undergraduate Research Opportunities Program (UROP) will probably not be affected by cuts of federally supported research that may be made by the Reagan Administration, declared UROP Director Margaret MacVicar '65, Cecil and Ida Green Professor of Education and Physical Science in an interview yesterday.

"We don't need a sense of discouragement coming over anybody," noted MacVicar.

Asked to comment on the UROP bulletin board announcement indicating that spring funds had "dried up," MacVicar said that the notice was posted to serve two purposes: "trying to put brakes on procrastinators" and to "give a nudge" to students who had not filed proposals before spring vacation.

Commenting on limits to UROP funds, MacVicar noted that "the volume of requests is 25 percent ahead in dollars and 40 percent greater in numbers as of this time last year." However, asking rhetorically, "Does that mean we're going to be short for

the summer? I very much doubt it." She explained that she thought that "... many more beginners got going this spring."

These people generally ask the UROP office directly for funds. She expects more people will switch over to the "overhead

waiver for summer funding." MacVicar commented on the funding situation for UROP, "I haven't found it worrisome compared to last year."

The Institute implemented the "overhead waiver system" for undergraduate research salaries in 1973, according to MacVicar. Under ordinary procedures, MIT charges faculty members who use its research facilities an established portion of their federal research grants for overhead. This amount is equivalent to 70.5 percent of the monies expended for salaries and wages for any project. Thus, a professor who wished to hire a student and pay him a \$1000 salary would actually be incurring a \$1705 expense. This 70.5 percentage is calculated by negotiation with the federal government. In late 1973, largely due to the efforts of then Chancel-

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Photographic by Kevin Osborn

Analysis

Reagan budget cuts threaten loan, research, Sea Grant funds

By Tom Lored

Despite increasing financial burdens on college students and their families, four of the 83 budget changes recommended by President Ronald Reagan in his recent budget proposal will reduce federal assistance to students and educational institutions. The proposed changes affect student grant and loan programs, the Sea Grant College program, student aid programs of the Social Security program, and the National Science Foundation (NSF) budget.

The largest and most extensive cuts will be in the Guaranteed Student Loan and Pell Grant (formerly the Basic Educational Opportunity Grant) programs. The Pell Grant program was designed to aid low-income families, and the Guaranteed Student Loan program to provide loans to students and their parents regardless of income.

Benefits to the highest income families in the Pell Grant program will be eliminated by increasing the amount of money families must contribute and by requiring students to provide \$750 from their earnings except in cases of extreme financial need. Guaranteed Student Loans will

either be restricted to families whose combined income is below an established maximum level or will be limited in amount to the "remaining need" of the student-college costs minus the expected parental and student contributions. Government interest subsidies for the loans will also be eliminated, and the special allowance awarded to banks as an incentive to participate in the

program may also be dropped. The proposed cuts would save \$9.2 billion over the next five years.

The reason given by the Administration for these cuts is straightforward: the government simply cannot afford to finance tuition for any except the poor. It is also argued that many have been abusing the low interest

(please turn to page 8)

Student takes own life

By Stephanie Pollack

Robert A. Cuzick Jr. G took his life during the Washington's Birthday vacation weekend while in Hyannis, Massachusetts. A funeral was held in Louisville, Kentucky on February 19.

This incident was the second suicide of a registered student in four months. Prior to that, none had occurred in almost three years.

Cuzick was a student in the Department of Nutrition and Food Science. He was married and lived with his wife Sarah in an apartment in Boston. They had no children.

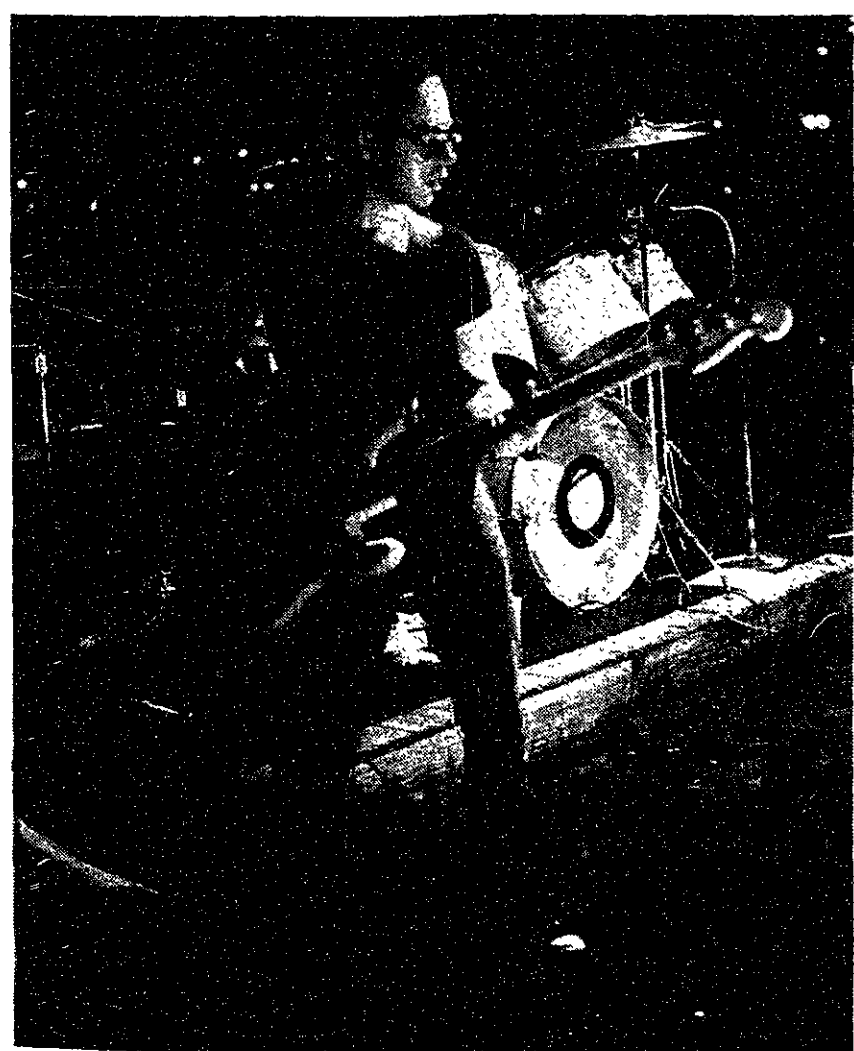
Associate Professor of Nutrition and Food Science William Thilly '67, Cuzick's thesis advisor,

said, "We were all shocked. We had no inkling at all that he was considering anything, and still don't understand what happened." Thilly attended the funeral last Thursday.

Professor Anthony Sinskey '67, registration officer for the Department of Nutrition and Food Science, noted that "everyone is very concerned about the whole thing."

Student Assistance Services "was not involved in the situation because Cuzick was a graduate student," according to Associate Dean for Student Affairs Robert L. Halfman '44.

Cuzick did his undergraduate work at the University of Colorado at Boulder.



The Thrills performed at a party in Burton Saturday evening. (Photo by Jon Cohen)

ResearchWatch

Cryptography settlement raises questions

By Frank Hrach

The controversy surrounding the publication of computer research in cryptography was heightened earlier this month in a decision by a nine member academic panel to employ a voluntary review plan. Under this new proposal, all computer scientists working on cryptography would submit their studies to the National Security Agency (NSA) before publication.

After considerable argument, the panel voted 8 to 1 to adopt the

voluntary review plan amid growing concern that research in cryptography is creating a powerful threat to national security. The panel was formed by the American Council on Education (ACE).

Supporters of the new plan maintain that unconstrained publication of research findings in cryptography may have an adverse effect on national security. The ACE committee's voluntary plan is much weaker than the Government's request

for a moratorium on publication of all cryptography research results.

MIT Associate Professor of Mathematics Leonard Adleman, currently on a one year leave of absence at the University of Southern California, is at the center of this controversy. Adleman became concerned when he discovered that funding for his research in cryptography had been switched from the National Science Foundation (NSF) to the NSA. There was a possibility that the NSA might exert pressure on

him to alter his research. The NSA said that, if they agreed to fund Adleman, they might try to persuade him to classify some of his work. Adleman, however, was later given the option of choosing funding from either organization, and he chose to be funded by the NSF.

Professor George Davida of the Georgia Institute of Technology was the lone dissenter in the ACE panel's vote. He expressed fear that the decision would have a "chilling" effect on cryptography research. Davida complained about the NSA's "seeming obsession with wanting to control cryptography, even non-military applications," and he added that the NSA had achieved a "real victory" by naming only two people who "understand the importance of cryptography" to the nine member ACE panel.

"Cryptography issues as related to the First Amendment are important and delicate," commented Adleman, and he expressed concern with "institutionalizing the procedure [of publication]." He said he felt the ACE committee was not representative of the researchers, and added, "It would be wrong to take the ACE report as speaking for the universities."

Adleman noted that he felt that better dialogue is needed between the universities and the NSA. He advocated a program of communication and funding as an alternative to the present ACE committee structure. Adleman added, "This kind of friendly relationship between the NSA and the universities will benefit all [involved] by getting students interested in cryptography research, instead of scaring them away."

UROP budget has grown

(continued from page 1)

for Paul E. Gray '54 and Stuart H. Cowen, Vice President for Financial Affairs. "The decision was made that we could go ahead on applying overhead on stipends paid to students, said MacVicar.

She noted that the UROP budget has grown from an original level of \$25,000 to a figure of approximately \$325,000 to \$350,000, although these figures do not reflect the total spent on UROP expenses. In addition, the faculty currently contributes \$850,000 through the overhead waiver system to student stipend support, according to MacVicar. This is up from the \$15,000 paid by the faculty when the waiver system was first instituted in 1973. She described the overhead waiver system as having been on "a trial basis for the first year or two" and noted that the amount exempt from overhead charges has grown constantly. She mentioned that there is a limit for total per annum overhead waiver for undergraduate salaries of \$1,000,000 and added that this figure will probably be approached sometime in the 1981 academic year.

When the UROP Program began, no wages were available for student participants. As UROP evolved, however, the program began to fund students on a limited basis. At that time, 100 percent of UROP student salaries were funded by the program.

The situation has changed, according to MacVicar, who described the funds allocated for direct support of UROP as "seed money" or "leverage money." She noted that procedures were instituted, at the behest of the faculty, by which faculty members could assume some of

the costs for student salary support through their research budgets. At first, faculty members and UROP matched funds 50 percent to 50 percent; now that has changed so that UROP finances 40 percent of some student proposals while the individual faculty members finance the other 60 percent.

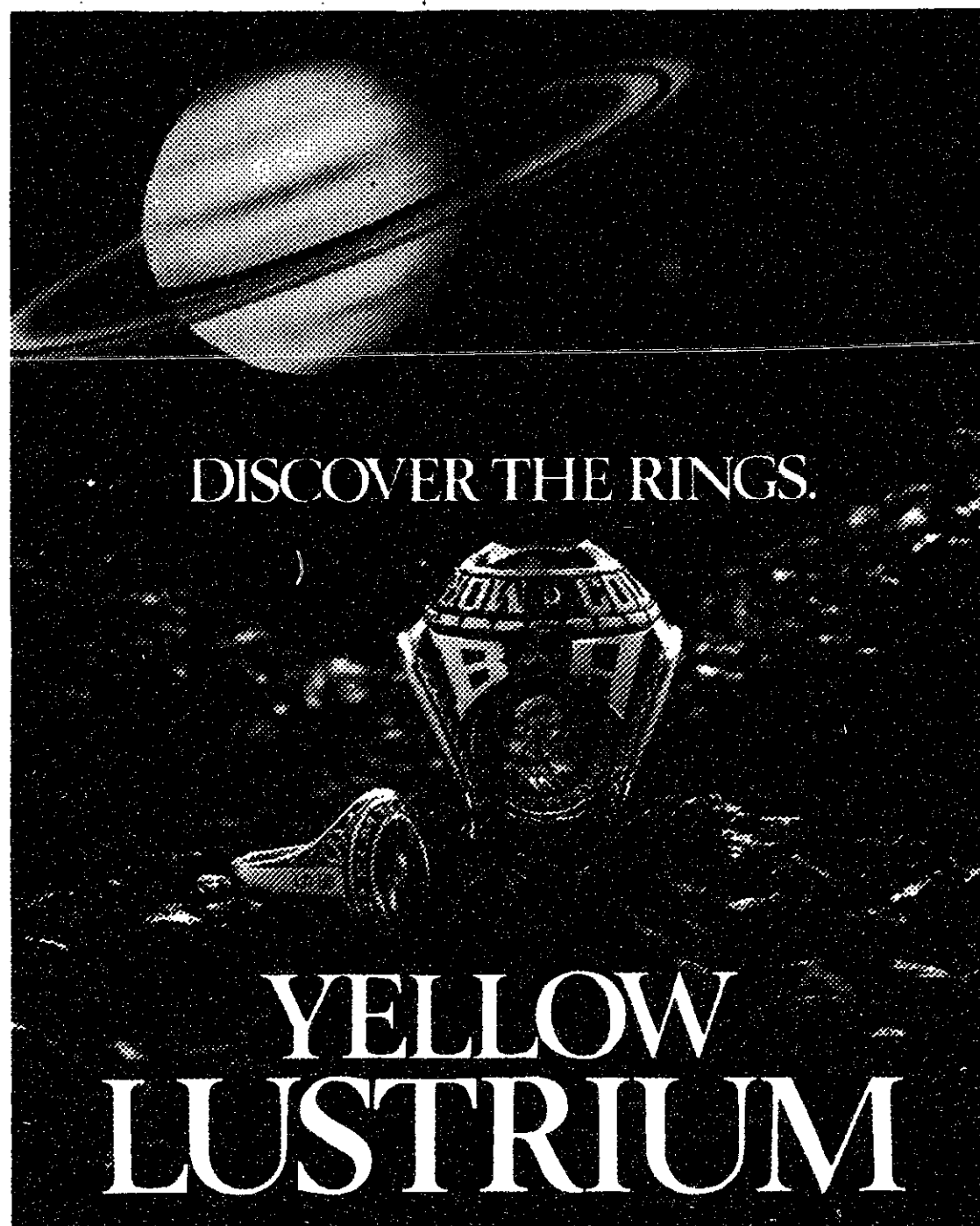
Since funds provided under the overhead waiver plan come directly from research grants from the federal government, they are theoretically vulnerable to budget cuts. MacVicar admitted that this may pose some threat to the program adding, "The biggest tragedy would be if we began to go into things that we don't believe in . . . I find that type of prostitution is very difficult to live with and I have great faith in this Institution and the people [here] would not get involved in that type of [activity]." MacVicar indicated that most of the cuts would probably be made in support of long-term basic research and would not affect Engineering School research, where much UROP activity is concentrated.

Another area of potential vulnerability for the program may appear in the next eighteen months when federal requirements for university charges for overhead are changed. At that time, colleges will be able to charge researchers 40 percent of their total expenses for overhead, rather than the 70.5 percent for wage and salary expenses currently allowed.

MacVicar indicated that "people are quite aware of student need" and that this awareness was reflected in decisions like the one made last spring to raise the UROP wage to \$4.50 an hour."

Asked to define her conception of the primary objective of UROP

MacVicar replied, "I think the objective is . . . with a minimum of hassles and obstacles to smooth the way for people who want to undertake an inquiry."



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news roundup

Space

Space shuttle test A-OK — The rocket engines of the space shuttle Columbia roared to life Friday at Cape Kennedy during a successful twenty second test-firing. Officials were shocked when machinists struck before the engines had even cooled down, but did not expect the strike to delay the shuttle's first orbital flight, scheduled for the week of April 7.

World

Brezhnev asks Reagan for summit — In a speech before the 26th Communist Party Congress yesterday, USSR President Leonid Brezhnev invited President Reagan to a summit to reopen SALT talks. The White House expressed "interest," but noted that "a ploy" would "not be out of character" for the Soviets and that the overture could be "a tactic to split the US and Europe."

Revolution breaks out in Spain — Right wing army officers trying to take control of Spain broke into the Spanish parliament yesterday and took members of Parliament hostage as they were electing a new prime minister. Revolutionaries also seized control of Spain's radio stations.

Cuba warned to halt El Salvador arms shipments — Edwin Meese 3d, counselor to President Reagan, said Sunday that direct action against Cuba "is entirely possible if the arms shipments don't cease." The Reagan Administration claims to have incontrovertible evidence that Cuba is shipping arms to leftist forces in El Salvador. Meanwhile, government officials in El Salvador claimed Sunday that at least 50 guerillas were killed by government troops supported by Israeli-made warplanes.

Nation

Three cent postal increase likely — The Postal Rate Commission turned down the US Postal Service's request for a five cent increase in the price of first class mail, approving instead an increase to 18 cents. The new rates, including a one cent increase in the price of mailing a postcard, may go into effect as early as mid-March.

Long Island campus shooting arouses protest — Contradictory information concerning the shooting of an Adelphi University student by a Garden City, New York policeman is surfacing in the wake of the incident. Claims that Officer John McNulty shot and killed student Edward Fonesca in self-defense are being disputed. A grand jury is investigating.

Second largest auto recall in history — General Motors has announced the recall of its 1978-81 mid-size models because of a defect involving the rear suspension bolts. The defect has so far caused 27 accidents, but no deaths.

Dangerous fungus reported in pot — A Milwaukee doctor warns that 11 out of 12 marijuana cigarettes sold on the street contain a fungus which may produce a fatal infection.

Local

King asks Reagan not to cut fuel aid — Massachusetts Governor Edward King, in Washington to attend the National Governors' Conference, met with the President in the White House yesterday and urged him to reconsider his budget cuts in the federal fuel aid program.

Campus

UAP candidates announced — The following candidates for Undergraduate Association President/Vice President have turned in their nomination petitions and have been validated by the Election Commission:

John DeRubeis/Ken Dumas
Gerald Fitzgerald/Andrew Washburn
David Gauntt/John Sullins
Chris Johannesen/Robert Cox
Charles Moon/Bob Wallace

Jack Link

Sports

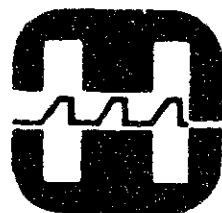
The Jolly Green Giant strikes again — In what was called the best college basketball game of this season, the eleventh ranked Irish of Notre Dame defeated number one Virginia, winners of 28 straight extending back to last season. An 18 foot jump shot by Orlando Woolridge with only two seconds remaining gave the Irish the one point 57-56 victory.

Weather

Mostly cloudy today, with occasional fog and a 50 percent chance of showers. Highs in the forties with light easterly winds. Cloudy and chance of rain continuing Wednesday with highs again in the forties. Thursday should bring slightly warmer highs in the fifties and partial clearing before a return to grey raininess on Friday.

Robert Leishman

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ON-CAMPUS INTERVIEWS

Monday March 2

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On Campus Interviews

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opinion

Editorial

Warning: crowding may be dangerous. . .

As if last week's news of spiraling educational price increases were not bothersome enough to students, recent mutterings about severely overcrowded facilities further complicate the lives of all members of the MIT community.

The largest department in MIT's largest school, the Electrical Engineering and Computer Science Department, does not have enough laboratory kits, let alone instructors or teaching assistants, to accommodate all of the students who wish to enroll in its classes. A central topic at last week's faculty meeting was discussion of overburdened facilities: MIT does not have enough space or resources to serve the needs of its community.

There are three possible solutions to these problems. One is impractical, one is unfair, and only one is truly feasible.

The first, increasing funding for expansion of faculty and facilities, is patently infeasible, given the current state of the economy and the difficulty MIT is having meeting its existent commitments. The second, authorizing the Committee on Academic Performance to raise minimum academic standards, and thereby lower enrollment, is an inequitable solution which seems unwise, especially considering the Administration's stated intent to try and reduce the pace of the Institute.

That leaves only one alternative: reducing the size of incoming classes. This solution would not alleviate the immediate apprehensions of students forced to restructure their schedules because they have been unceremoniously dropped from classes, but will eventually prove to be the only viable resolution to the crowding dilemma.

It is therefore imperative that the Academic Council make a long-term commitment to hold the class size to 1000 students and then ensure that the Admissions Office heeds these restrictions.

Unionization vs. conscience

On March 26, employees of the Harvard Cooperative Society will decide whether or not they will be represented by the United Food and Commercial Workers Union. The dispute about unionization, which should seemingly be confined to the Coop's management and employees, has repeatedly spilled over into the MIT community.

Last week a request made by Tech Coop management for use of Student Center facilities was rejected by the MIT administration. Then, on Friday, six Tech Coop employees were arrested on the first floor of the Student Center for "trespassing after notice."

The MIT administration is properly attempting to confine the unionization battle to the Coop. Federal law, and common sense, dictate that the decision on whether or not union representation is necessary be restricted to employees.

Despite the need for distance, MIT students are inexorably drawn into the unionization issue because of their role in the Coop's management. Any MIT student with a Coop number has a voice in Coop decisions through his vote for Coop directors. The interests of students and management in the unionization dispute do not necessarily coincide, however, despite a statement by a student Coop director in these pages to the contrary.

Unionization may or may not result in higher costs and lower rebates for students. However, any possible monetary losses may be compensated by potential gains in wages, work conditions and dignity. The individual stance of managers responsible for high profits may differ from that of students responsive to social conscience.



feedback

Space for blacks at MIT ?

To the Editor:

From the results of several incidents that occurred recently, we must ask ourselves: "Is there space for Blacks at MIT?" and due to their outcome, we must answer with a resounding NO! The space that we speak of is the availability of Institute facilities for use by Black students and organizations.

In order to celebrate Black History Month, we needed various Institute locations to hold social and cultural events, and as stated, these locations were not available; thus, we could not celebrate Black History Month effectively in February. We acknowledge that the Institute has declared Dr. Martin Luther King Jr.'s Birthday an Institute holiday and that the MIT Food Service is hosting "Soul Food Night," but these are nullified by the denial of Black History Month at MIT.

Youths at Boston Schools look forward to attending MIT festivities, but due to the rejection of our request to use Kresge Auditorium, the Vannevar Bush Room, and the Student Center, we could not host them.

One would think that after paying \$6200 for tuition the Institute facilities would be available at anytime to anyone. Unfortunately, this is not the case for Blacks at this time; however, this situation must cease. Therefore, we ap-

peal to Dean Shirley McBay, President Paul Gray, and Chairman Howard Johnson, to

investigate a prompt solution to eradicate this problem.

Names withheld by request

Many students in SAA

To the Editor:

In your February 6th edition of *The Tech* (in the Opinion column entitled "Keeping it pure") it was stated that the MIT Student Art Association "would be hard put to meet the ASA requirement of five students if its membership list were carefully looked at."

Over the years we have consistently had 75-117 MIT students as members each term. They have participated in a variety of art courses ranging from drawing,

claywork, photography, Chinese brush painting, calligraphy, stained glass and the parent-toddler art program. In addition, we reach hundreds of other students through our free films, exhibitions and other programs.

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Malka Kutnick

Director,

MIT Student Art Association

"Saul" review offensive

To the Editor:

I find that I must take issue with Jonathan Richmond's review of *Saul* (Cantata Singers, Sanders Theatre, Feb. 11 and 18). Firstly, the notion that "*Saul* is an oratorio. It was never meant to be staged," phrased with all the indignation of an old-world pedant, is as offensive as it is false.

Secondly, director Sellars was hardly after "realism" as Richmond claims: rather, the production was fashioned more along the lines of the medieval Mystery Play: how could its puppet-theatre images and fairy-tale metaphors be construed as an at-

tempt at realism?

Finally, the most irritating aspect of the review was its haughty, "purist" tone: instead of indulging in hollow panegyric of the great George Frederick, the reviewer might have done well to spare a "micron" of his own sensitivity with a view toward understanding the themes and textual substances Sellars was attempting to highlight.

It is a constant source of pleasure to me that a greater part of this country's artistic community rejects such vestiges of sanctimonious Victorianism.

Rae Michael Shortt

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opinion

feedback

Education and militarization

To the Editor:

Tuition cost is indirectly related to the amount of societies' resources wasted on funding the military-industrial complex. Reagan, in the disclosure of his economization of government, has revealed his intention to decrease funding to education as well as all areas of the federal government EXCEPT "defense." For the military, he prescribes a huge increase in spending, making the military's yearly budget in excess of \$200 billion.

There is a continual war being waged in the world. The collective militaries of the world seek to extract as much money from the civilians as possible. The militaries use war and the threat of war as advertising for acquiring resources. The military of country A will use the military of country B as an excuse for using the wealth of the people of country A. Similarly, country B's military will use country A's military to the same effect.

Although each military will claim that it is fighting for its citizens and against other militaries, actually the bonds between militaries are stronger than the bond between a country's military and its civilians. Militaries depend on each other for their own survival. If there were only one army, it is unlikely that it could convince people to hand over their wages.

Thus militaries, like most other organizations, must provide a justification for their own existence. Wars are terribly successful public relation stunts.

Low productivity can be blamed on militaries as well. A bomb is worse than useless. The resources that go into making it provide no benefit to the society. Worse, it causes other political-economic problems which tend to decrease effective productivity even further. It takes diplomatic money for the US to stop one country from destroying another, both of which may have US made bombs, typically on loan. Witness the mid-east.

As tuition costs rise, there will be a greater attraction for poor students to become mercenaries in exchange for an education. ROTC is another facet of the military's design to extract resources from civilians. Thus, a ROTC student is fighting for the military, but against the civilians who are forced, through taxation, to supply ROTC with economic ammunition.

There are many worthwhile projects that the US military supports. Education (except for the submarine warfare classes) is valuable to society as a whole. So are many basic research projects. Yet there is no reason to channel this money through the military. Besides being inefficient, it tends to guide education and research

towards worse than useless projects. MIT thinks it needs to protect the military since that is the source of much of its funding. Yet MIT, along with other civilian institutions, could receive more of society's resources if those resources were not squandered by the Department of Defense. \$200 billion a year may be enough to make everybody's tuition free.

Christopher Fry

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Columns are usually written by members of *The Tech* staff and represent the opinion of the author only, not necessarily that of the rest of the staff.

Letters to the Editor are written by members of the MIT community and represent the opinion of the writer.

The Tech will attempt to publish all letters received, and will consider columns or stories. All submissions should be typed, preferably triple spaced, on a 57-character line. Unsigned letters will not be printed. Authors' names will be withheld upon request.

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Shrinking Woman: diminishing returns



The Incredible Shrinking Woman, starring Lily Tomlin, Charles Grodin, Ned Beatty, and Henry Gibson. Directed by Joel Schumacher, written by Jane Wagner; now showing at the Sack Pi Alley.

This comedy jumps out of the starting gate showing great promise but by the time it limps across the finish line, you feel like the laugh is on you for buying a four dollar ticket. You lose.

Lily Tomlin plays Pat Kramer, a typical housewife in suburban Tasty Meadows. But Tasty Meadows is no typical community; it's Madison Avenues view of America, populated entirely by brainwashed consumers who spout inane greetings like, "Hi Pat! You deserve a break today!" It's a wonderful caricature of the plastic, pre-packaged consumer society. Pastel colors abound. Clothes, interior decorations and even cars are all painted in a surreal blend of hideous pinks and mauves. Foods have become like beauty aids, a chemical melange of artificial flavors and colors.

It's the combination of all these synthetic products that causes Pat Kramer to shrink... and shrink. The film takes great advantage of prop humor as she dwindles to the size of a Hummel figurine and of course there are the "small" jokes. But then the plot goes haywire.

There is some insidious plan by the "Organization for World Management" to shrink the human race. It's a clumsy stab at big business which has become Hollywood's latest threat to our well-being. Icy

characters in dark glasses are lurking in Tasty Meadows trying to stir up our fear of large corporations.

Then there is the consumer angle. The movie asks us repeatedly whether we need all of these evil products and after seeing what they have done to poor little Pat Kramer we know what the answer is, don't we, children?

The film gets really grim when it delves into feminism by likening Mrs. Kramer's size to her diminished stature as a human being. (Are you listening, housewives?) Then the element of freakshow pathos pops up when she plays Fay Wray to her only friend in the world, a caged gorilla.

In between all of these sobering issues we are supposed to laugh at lines that are sitcom at best. The whole thing winds down with a silly chase and a happy ending.

The casting director deserves a loud hiss for this one. The only good characterizations are by Lily Tomlin and the gorilla. Charles Grodin plays Mr. Kramer, or rather, Charles Grodin plays Charles Grodin, the set-in-cement straight man. Ned Beatty plays his boss in what I suspect was meant to be a re-creation of his role as

the corporate God of Thunder in *Network*. He doesn't even come close. Henry Gibson, Tomlin's old cohort on *Laugh-In*, tries to sneer his way through another role as a diminutive heavy. It didn't work in *The Blues Brothers*, and in that movie he portrayed a Nazi.

This is strictly a film for Lily Tomlin fans. She gets to try on a few faces and although the script is choppy, this is the best film vehicle that she has had to date. As far as sustained comedy, though, you'll get more laughs reading Consumer Reports.

Peter Thompson

Varying Vercoe

The MIT Chamber Players gave a concert Feb. 21 at 8pm in 10-250.

There was so much going on on the night of the 21st that I had a suspicion that my own auspicious presence would make up an uncommonly large proportion of the audience at the concert to be given by the MIT Chamber Players. I was wrong: Room 10-250 was well-filled.

There were plenty of people to be puzzled by the first work, *Times Five* by Earl Brown. Silly that there was no program note to tell us what was going on as five instrumentalists made funny noises in some sort of unholy symbiosis with two loudspeakers. At one point, Barry Vercoe, the conductor, showed a piece of paper to the players and audience with a profound number 3 on it. Very amusing, but it would be helpful to know whether this was by virtue of the piece, or of Vercoe's need for a trip to the psychiatrist.

Haydn's Sonata in E-flat came next, and was given a flat and wooden performance. The only relaxed member of the ensemble appeared to be Marcus Thompson, who played viola with characteristic beauty. Unfortunately, this failed to cancel out the uninspired tension of the others.

Villa-Lobos' *Quintette Instrumental* came as a refreshing antidote. The second movement was magnificent, no less; the mystique that is so quintessentially Villa-Lobos was brought out and savored. In perfect balance, gliding strings (of Robert Barsky, Marcus Thompson and David Fink), and free-flowing harp (of Elizabeth Morse), and serene and gentle flute (of Hugh Barton) sang out to produce a sensational and sensual three-dimensional texture.

Jonathan Richmond

"Heart of Glass" was one of the more lightweight songs. But it did of the love, lust or "shut up and ethos espoused by most of Disco's it was a love gone sour, "soon turn to be a pain in the ass."

The Kinks' "Superman" featured lashing out at the synth-generated and disco beat. It told the story of a ordinary man who wasn't even macho, who couldn't bend over coughing and who had trouble dealing the rigors of everyday life — like the inconvenience of various parents on strike. Hurrah for M. Davies and Co.!

How about Ian Dury's back hits, "Hit Me With Your Rhythm" and "Reasons to Be Cheerful." Inspired silly, both of them, and musically, not much interest in mainstream disco.

But, by far, the best disco tune far has to be Frank Zappa's "Fool." This piece is about discos and herent foolishness of the whole scene even got predictable orchestration for some really brilliant synth work closes with that fave of all disco fre — "Your place or mine?"

More recent attempts have been The Clash's "Ivan Meets GI Joe" Disco Armageddon, featuring Joe's wonderfully tuneless voice. "Me," by Blondie, has a lot of pure lightweight tune (aren't most of the lightweight?). As for rap tunes, Blondie's "Rapture" — a silly song from Mars who have a diet ending with "ar." The Clash put great songs on *Sandinista* — "The cent Seven" (9-5 boogie) and "Li Strikes (Not Once But Twice)" (about York City — the only city); both orchestrated and contain more than or sleaze for lyrics.

So there really is good disco, not much. You just gotta sort wheat from all that chaff.

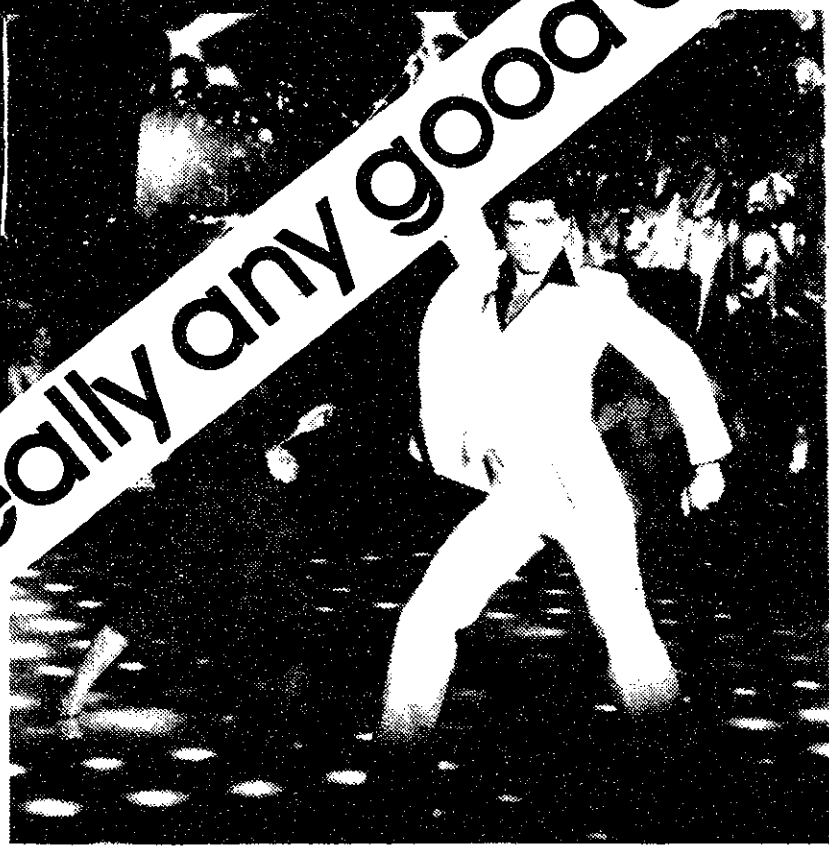
Disco, in general, is a lot like a bilge pump — they both suck. Between the plodding beat of the bass drum and the predictable lyrics, most of what is labelled disco is best used as frisbees. But, is there any good disco?

Of course (otherwise, I wouldn't be writing this article, would I?) The covers of "MacArthur Park" (Donna Summer) and "Don't Let Me Be Misunderstood" (Santa Esmerelda) still convey the original feel of the lyrics without drowning them in a thumpa-thumpa beat or cotton-candy orchestration which all too often accompany disco tunes. On the originals side, most tunes by a small set of groups, like Earth, Wind, and Fire, Tavares, and Parliament-Funkadelic, rise above the norm and are decent to listen to as well as strut your stuff to.

The best disco, however, is not written by groups who specialize in the genre. "Miss You," by the Rolling Stones, is notable for being the first disco tune by a "name" group. Jagger's vocals strain against the beat, rather than flowing with it, giving the song a feeling of immediacy and purpose rare in the medium.

Is there really any good disco?

umm...



Fitful FAUST

Opera Company of Boston performs Caldwell's production of Gounod's Feb. 20 and 26 at 7:30pm, and on March 22 and March 1 at 3pm at the House.

With great anticipation, I went along to the first night of the Opera Company of Boston's 1981 season, and I was somewhat surprised by the variation in quality of the production. Gounod's *Faust*. True, we were told that certain members of the cast had viral infections, but at times the whole performance seemed to be confused. The arrangement was uncoordinated and uneasy much of the first four acts, especially in the first two where there were many people on stage.

Of precision is not a hallmark of Caldwell's usually brilliant work, but it was hard to avoid the impression that more rehearsal was needed for more rehearsal.

The opera, up to and including Act IV, was somewhat lacking the demonic drive and horror that this gothic story needs. Donald Gramm was a surprisingly meek Mephistopheles (the Devil); his singing of *Veau d'Or*, for example, lacked the vicious edge so necessary to bring it to life. To make matters worse, John Alexander as Faust and Diana Soviero as Marguerite lacked any passion, human or otherwise, and there was no logical thread to their relationship. Kerry McCarthy's greatest distinguishing characteristic as Siebel was a complete inability to pronounce French with any more accuracy or delicacy than might be expected of the average striptease artist to be found across the road on Washington St. In fact, the standard of articulation of French amongst the cast in general was a disgrace.

Not all said, one could hardly help but admire the simple but clever scenery of David Shaarir and the distinguished rich and colorful playing of the orchestra under Caldwell.

And then, in Scene 3, the scene in which Marguerite, cursed by her dying brother (killed by her seducer Faust with the aid of Mephistopheles), prays: something happened. The stark lines of the church drawn out by the set were eerie, cast as they were in a pale blue light. Marguerite appeared to be utterly vulnerable, alone with her mind. Against this backdrop of cool and calm, Gramm came to life, spitting venom from a Mephistopheles suddenly the very incarnation of evil. As choir and organ droned on in dignity, Marguerite's dread increased, the sinister voice of the Devil blocking all else from her mind, invading her soul, a red light rising as she descends into total paranoia.

Supercharged tension continued into the final Act. Scene 1's visions were completely chilling — the sea of writhing bodies, backed by black and red, seemed a veritable Medusa's head of serpents; magic in the chorus; the drive in the orchestra now fueled and fueling the action on stage. In Scene 2, Alexander and Soviero at last brought flesh and blood to the roles of Faust and Marguerite. The orchestra, itself inspired by supernatural powers, played the beautiful but disembodied, syrupy waltz in mock innocence as Soviero faintly, but poignantly sang.

Good vanquished bad in more than one sense; the end was a triumph for Caldwell and the cast and a breathtaking emotional experience for the audience; it's a shame it hadn't been that way all evening.

Jonathan Richmond.

MIT, MFA....

SERIOUS

Blanket membership privileges to the Boston Museum of Fine Arts are not something you can afford to ignore. While the advantages already available to the holders of an MIT student ID card include unlimited free admission, special admission privileges to major exhibitions, reduced admission to lectures, and various workshops, the offer is being sweetened and publicized in a special reception for MIT students to be held on Saturday, March 15. Susan Sullivan of the Committee for the Visual Arts will be leading a special tour to familiarize students with the Museum and reception in the Asiatic Gallery, food, wine, punch, and more will take place at 7pm. (Music and several speakers are also planned.) Buses will leave McCormick Hall for the tour at 1:30pm and will leave the MFA for MIT at 4:00 and 4:30pm. Students can sign up through March 1 at the Undergraduate Association offices (which, along with the Graduate Student Council, the School of Architecture and Planning, Humanities, and Sciences, Science Engineering, the Sloan School of Management, the Council for the Arts, and an anonymous donor, is sponsoring the reception) and the Membership Program or by calling Susan Arthur at 83-1000.

This is an excellent opportunity to see the acclaimed exhibit of monotypes, *The Painted Print: Monotypes from the 17th to the 20th Century*, which runs through March 27. And you can probably get your hands on some cheese and crackers, too.

Sheena

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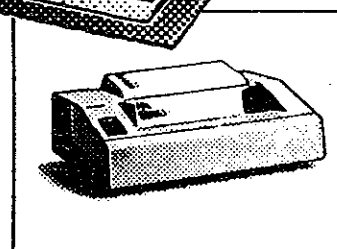
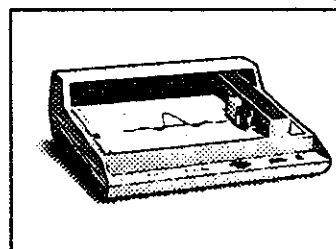
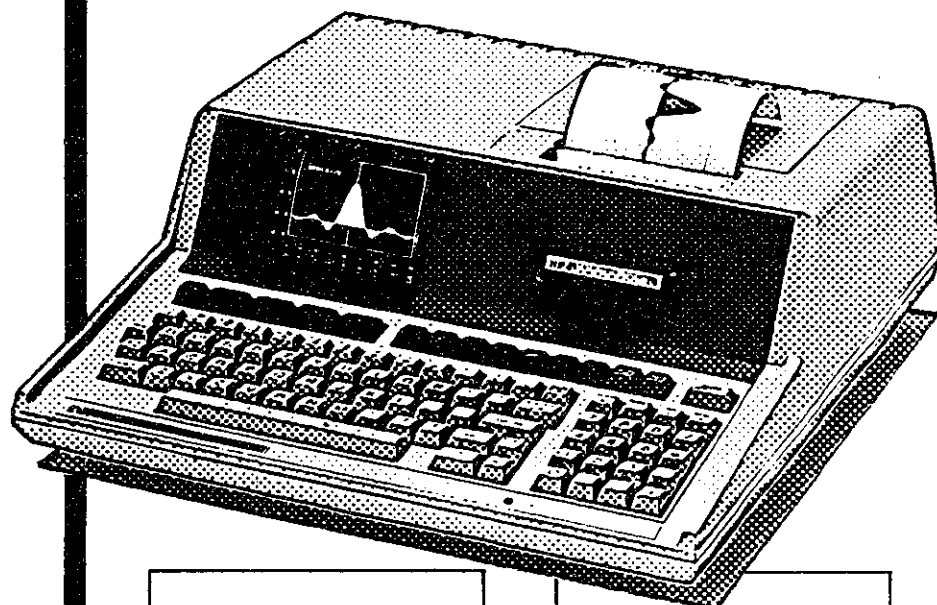
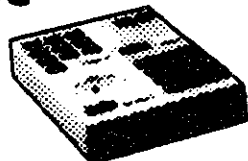
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HEWLETT PACKARD

Hillel petitions Dean McBay to move Kosher Kitchen

By Michael Potter

Representatives of the MIT Hillel Kosher Kitchen have petitioned the Dean for Student Affairs, Dr. Shirley M. McBay to help alleviate severe operating problems.

In a letter to McBay, dated February 9, students requested a one-time grant of approximately \$11,000. The letter states that "We currently have no operating budget of our own from which to draw funds, and neither does MIT Hillel."

The letter cited inadequate ventilation, uncomfortable location, lack of space, vandalism, shortage of supplies, and food delivery difficulties as some of the problems associated with the cur-

rent premises.

"It is grossly improper for a public facility to have to be run as a student co-op. It should be professionally managed," current Kosher Kitchen chairman Joseph Weinstein G related.

The Kosher Kitchen is in the basement of Walker Memorial, in room 50-005. Brian Brenner '82, a former Kosher Kitchen chairman, commented that "Temperatures get to over ninety degrees at times," in the dining area during the winter.

"There is definitely a need for a kosher kitchen on campus," noted Anita Walton, program coordinator for Dining and Residence Programs, in an interview Monday. She added that the

Kosher Kitchen "can't go on the way it has, especially with the dramatic increase in the number of people using it."

The letter proposes an interim plan for this spring as well as a long-term solution for the future. The interim plan includes a detailed list of needed items, including silverware and chairs. The current chairs are described as "dangerous" by the students. The letter also asks for assistance from Dining Service for cleaning and managing supplies. The \$11,000 would be applied toward these immediate needs.

The long-term plan requires a change of premises. Stuart Atlow '83, president of MIT Hillel, explained that the Campus

Architect, Harry Portnoy, has drawn plans to use the old Ashdown House kitchen as a possible alternative site for a kosher kitchen. The room is presently unused, except as a storage area. "The effort is still in the planning stage, and we haven't yet spoken to everyone involved," cautioned Atlow.

In addition to Hillel executives, several students affirmed their support for the plan, including Undergraduate Association President Chuck Markham '81, Dormitory Advisory Board member Howard Gordon '84, Dormitory Council Chairman Nelson Ronkin '81, and Institute Human Relations Group member Jeremy Barkan '81.

The Kosher Kitchen is the only facility on campus that serves Jewish students who wish to eat kosher food and do not wish to cook for themselves. It is entirely student-operated and provides hot dinners Monday through Friday. A number of students fulfill their mandatory commons requirements on a 45-meal plan at the Kosher Kitchen. Atlow commented that the kitchen cannot hold many people comfortably and that the number of people who use the facility as an alternative to the conventional commons dining halls is bound to increase next year.

"One of the biggest problems is interfacing with the Validine system," Atlow explained. He stressed that the convenience the service provides would be a great asset, especially during Passover, when many Jewish students who normally eat regular commons meals dine in the Kosher Kitchen.

Food at the Kosher Kitchen was catered last term by Harvard's Hillel Foundation. Increased demand for meals and significantly greater attendance has enabled the kitchen to hire a part-term chef. On Friday nights, the kitchen serves between 25 and 30 dinners, according to Atlow.

Dinners are served on a walk-in basis.

MIT Financial Aid assesses student loan cutbacks

(continued from page 1)

loans, investing borrowed money in high interest money funds and pocketing the resulting interest.

Arguments against the cuts are equally straightforward and sometimes frightening. Joseph Cronin, director of the Massachusetts Higher Education Assistance Corporation, told *The Boston Globe* that if the cuts are passed, 10,000 to 20,000 students will drop out of college in Massachusetts because of the increased financial burden.

Charles B. Saunders, head of government relations for the American Council on Education, remarked to *The New York Times* that two-thirds of the tuition revenue at private colleges came from Guaranteed Student Loans. He felt that the suggested cutbacks would "lead to the demise of hundreds of private colleges" as a result. Noting that "guaranteed loans never were established on a need-based philosophy," he criticized the Administration for eliminating "the current practice of allowing families to spread their contribution over a period of years." Saunders was unaware of any study of abuse of the loan programs.

The MIT Financial Aid department is trying to assess the effects of these cuts on MIT students. If the Pell Grant Program is cut modestly — eight percent a year for five years — Financial Aid hopes to be able to compensate for this, perhaps even making up the difference dollar for dollar by relying on other sources. If the cuts are much greater, though, MIT will probably not be able to absorb the loss and student costs will simply rise.

The Guaranteed Student Loan cutbacks could cause much greater damage. This year MIT students borrowed over \$10 million through the loan program.

Associate Director of Financial Aid Len Gallagher noted this was "a loan volume far beyond MIT's ability to match dollar for dollar." If cutbacks are substantial, they will affect all borrowers and MIT will be able to help only the needy.

The Sea Grant Program will be cut in 1982 and 1983 to half its present level if the proposed budget changes are passed. The effect of these cuts on MIT is uncertain because it is not known where the cuts will be directed. The MIT Sea Grant College program presently receives 60 percent of its support from federal sources.

Noting that the purpose of the Sea Grant program is to "develop proper and more efficient economical utilization of national marine resources," Dean D. A. Horn of the Sea Grant College was surprised that the Administration is cutting its support of the program. He felt that there were "great inconsistencies" between the "action of the budget" and the Administration's stress that the budget's objective is to improve national economic opportunities. He also felt that these inconsistencies indicated a "lack of understanding at the highest level" of some of the nation's economic problems.

Cuts in the Social Security program will affect 800,000 students who receive \$20 to \$800 annually from Social Security funds because their parents have died, retired, or been disabled. Reagan wants to eliminate this program, decreasing aid by 25 percent a year for those already receiving aid through the program. These cuts would save \$700 million next year, \$1.7 billion in 1985.

University research is likely to be affected by proposed cuts in the NSF budget. Fifteen million dollars will be cut from the 1982 budget of just over one billion dollars; \$155 million from the

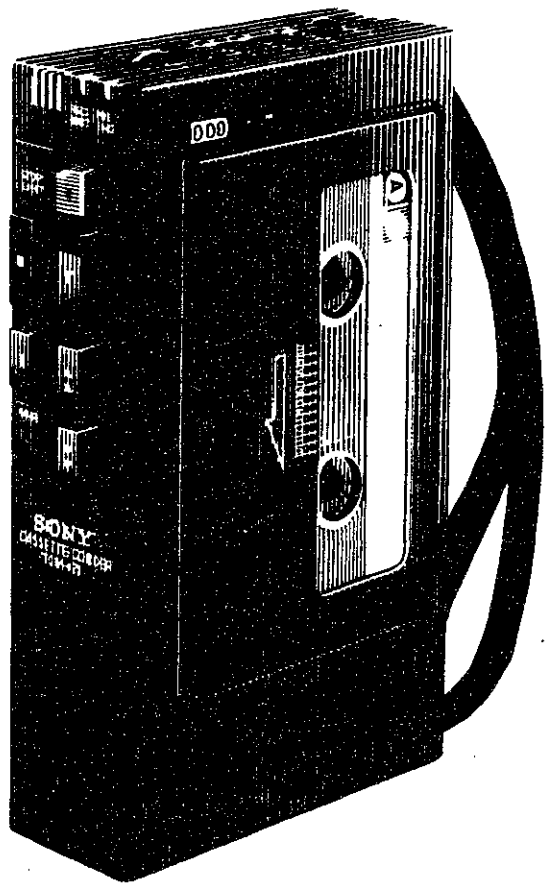
predicted 1986 budget of \$1.45 billion if the cuts are passed. Programs in the "hard" sciences will be largely left intact, with reductions being directed mostly at research in behavioral sciences and applied science. Investment of \$75 million for modernizing laboratory equipment will be deferred indefinitely, as will funding for a large new telescope.

The cuts were made because the Administration considers the behavioral sciences of questionable value and hence unworthy of support. The Ad-

ministration also feels that the development of applied science should be left to private industry.

The middle class will be most affected by the proposed educational cuts and the government is not afraid to admit this. Thomas Skelly, director of the Budget Review Division of the Department of Education, remarked to *The New York Times*, "We're trying to avoid saying that we're eliminating the Middle Income Student Assistance Act, but that's what we're doing."

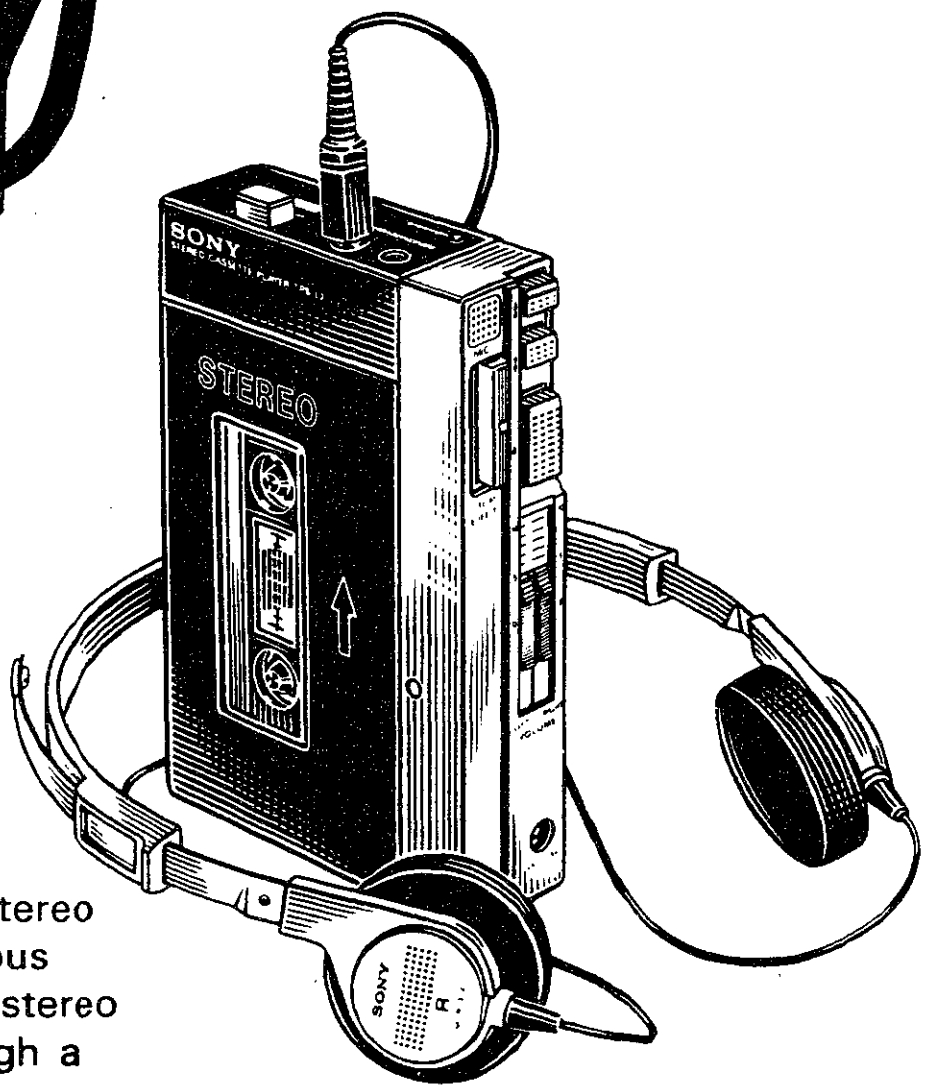
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Programming team to compete in Nationals

By Lawrence Choi

A computer programming team from MIT is flying to St. Louis today for the national contest sponsored by the Association of Computing Machinery (ACM).

The contest, held in conjunction with the ACM Computer Science Conference, is probably the largest of its kind in the nation. It will match twenty teams that have won either first or second place in the ten regional contests held since last November.

The MIT team consists of two graduate computer science students, Dan Helman and Steve Hazlerig, and two juniors in computer science, Chris Gunning and Roger Goun, who won places on the team by their performance at the MIT contest held last November. The team of Helman and Hazlerig won first place and Gunning and Goun second place, out of the ten teams which entered the contest.

The MIT team qualified for the national contest by winning the northeast regional competition held at the US Coast Guard Academy in New London, Con-

necticut on November 15. MIT, whose captain is Helman, finished the problems in the final round in sixty-seven minutes while the University of Vermont won second place with a seventy-two minute time.

The national contest is five years old and MIT won the contest in its first and second years, but last year they finished third at the regional level and thus did not qualify for the national contest. Asked why they performed poorly last year, Hazlerig, who was on that team with Helman, cited "overconfidence."

This year, the team has been working on sample problems up to ten hours each week for the last month, commented Hazlerig. At the national, they will have to submit programming solutions in Fortran for five given problems. This will probably take each team at least six or seven hours.

"I think we have a good chance," commented Goun. There are certainly going to be a lot of good teams."

The contest is scheduled to begin at 5pm and will probably be over by midnight.

Coop unionization generates dispute

(continued from page 1)

ionizing." Mark Weinberger of the Tech Coop noted, "Basically, the Coop is washing their hands of the incident."

William McDonough of the UFCW commented that employees had been distributing literature about the unionization at other Coop locations with no problems. "The union's position is that employees have a right to handbill in a non-working area on their own time," noted McDonough.

He called the request by Campus Patrol for employees to distribute literature outside the building "ridiculous," and claimed that MIT allowed Tech Hi-Fi employees, student publica-

tion members, and draft protesters to distribute handbills in the same lobby freely in the past.

Cabral said he was not aware of the previous incidents, but added that the Campus Patrol will usually not make an arrest unless a complaint is filed. The Associate Building Manager of the Student Center Frank Winsor filed a complaint with Campus Patrol Sergeant Robert Solakoff after the employees failed to produce a letter of permission, said Weinberger.

The six were not trespassing while on company time, and returned to work that afternoon. They will be represented in court by attorneys from the National Labor Relations Board.

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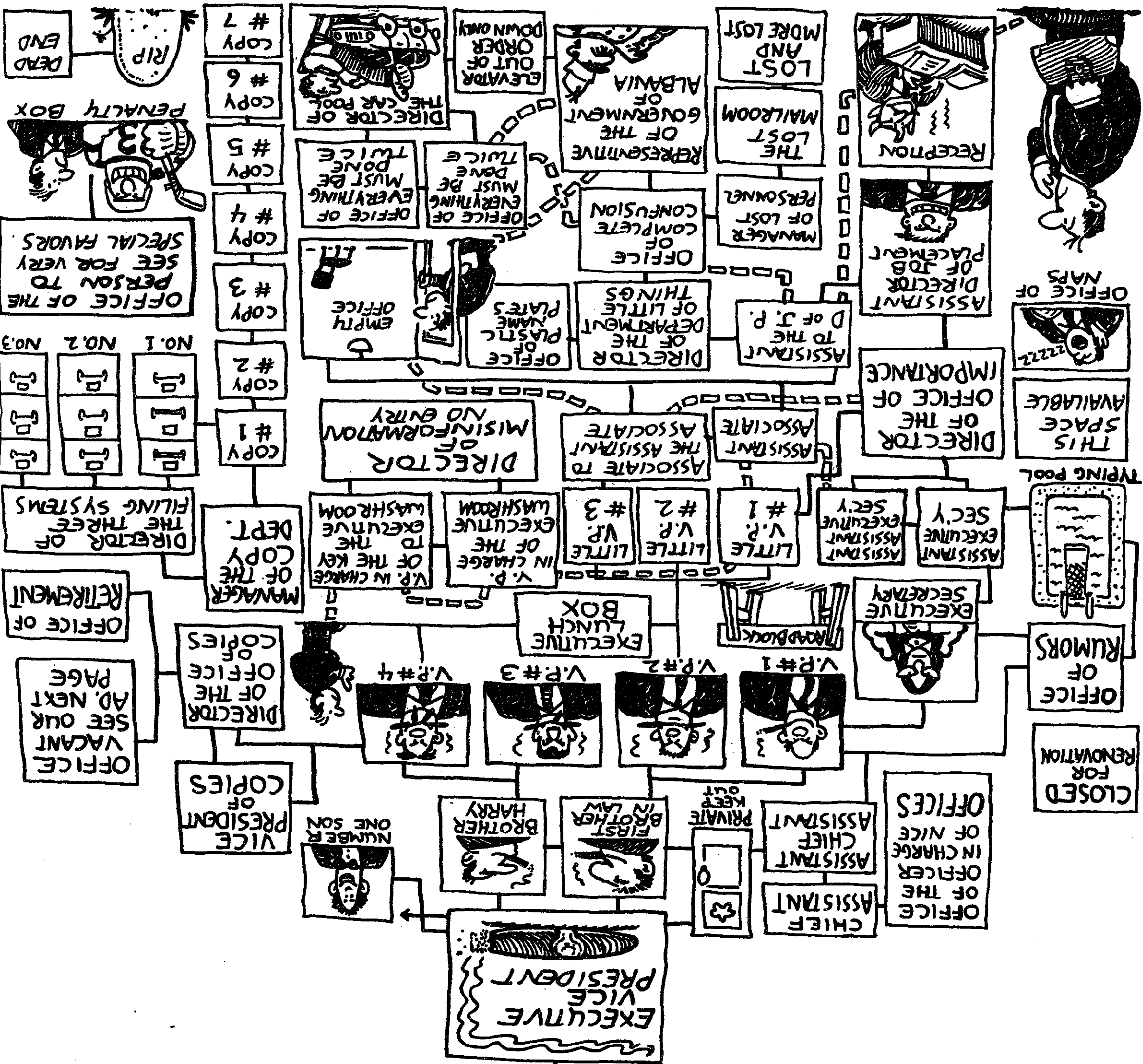
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UJA NEWS

WELCOME '85

Help welcome the Class of 1985 and other new students. The R/O Committee needs people to plan over the summer, and to work during R/O Week. If you are interested, please leave a message at the UASO, 7-103, or call Rhonda Peck, R/O Coordinator at 3-6771. It is especially important to let us know if you will be here over the summer.

SENIOR WEEK PLANS

Seniors interested in helping plan end-of-year activities should attend a meeting Tuesday, February 24 at 5 pm in W20-400. All members of the Class of '81 are welcome, and a representative of each living group is encouraged to attend. For more information, call Lynn Radlauer at 225-8613 or 494-9141, or Mitchell Brook at 225-6226.

DORMCON ELECTIONS

The Dormitory Council will hold elections for officers of Chairman, Vice-Chairman for R/O, Secretary-Treasurer, Judcomm Chairman, Social Chairman, and Parking Chairman on March 4, 1981. The elections meeting will be held at 7:30 pm in room W20-400. All dormitory residents are eligible to run.

GENERAL ASSEMBLY MEETING

A meeting of the General Assembly will be held Thursday, February 26, 1981, at Sigma Chi, 532 Beacon St., Boston. Refreshments will be served at 8:30 pm, and the meeting will begin at 9:00.

Topics on the agenda include a discussion of student concerns, ideas, and positions regarding tuition and financial aid, election of the floor leader and the Executive Board, and approval of appointments to the Finance Board and Nominations Committee. There will also be a report from the Election Commission.

The meeting won't be too long; all members should attend.

LOBBELL REMODELING?

The Student Center Committee and the Student Committee on the Environment are looking for ideas for improving the ambience of Lobdell. Art, plants, new drapes, music, or whatever — Let us know what you think.

\$7400 IS TDM

... but space in the UJA News is free. Important announcements should be sent to Barry Surman at the UJA Office, W20-401. Unimportant ones should be ...

HOUSING & DINING REPORT

The UA is preparing a report of students' ideas for the management of Housing & Food Services. If you have any specific suggestions, please contact Nick Adams in W20-401.

FLORIDA SPRING VACATION BOYCOTT

A proposal to open a pub in the East Lounge of the Student Center is being considered by the Student Center Committee and the Class of '81. Mitchell Brook and Nick Adams would love to hear your suggestions.

STUDENT CENTER PUB

CLASS OFFICE PETITIONS VALIDATED

Nomination petitions for candidates for class of-election Commission Sunday. Candidates whose names will appear on the March 11 ballot are:

Class of 1981

President — Jenny Ford, Lynn Radlauer, Lori Ullman
Vice-President — Lauren Christopher, Lynn Muradian
Secretary — Susan Downing, Chuck Markham
Treasurer — Walter Crosby, Susan Fine

Class of 1982

President — Amy Davidson, Charles Frankel, Angie Liao
Vice-President — Jennifer Bertan, Lesley Saunders
Secretary — Karl Frey
Treasurer — Ellis Reid, Anita Sircar
Members-at-Large — Robert Harris, Alan Laves

Class of 1983

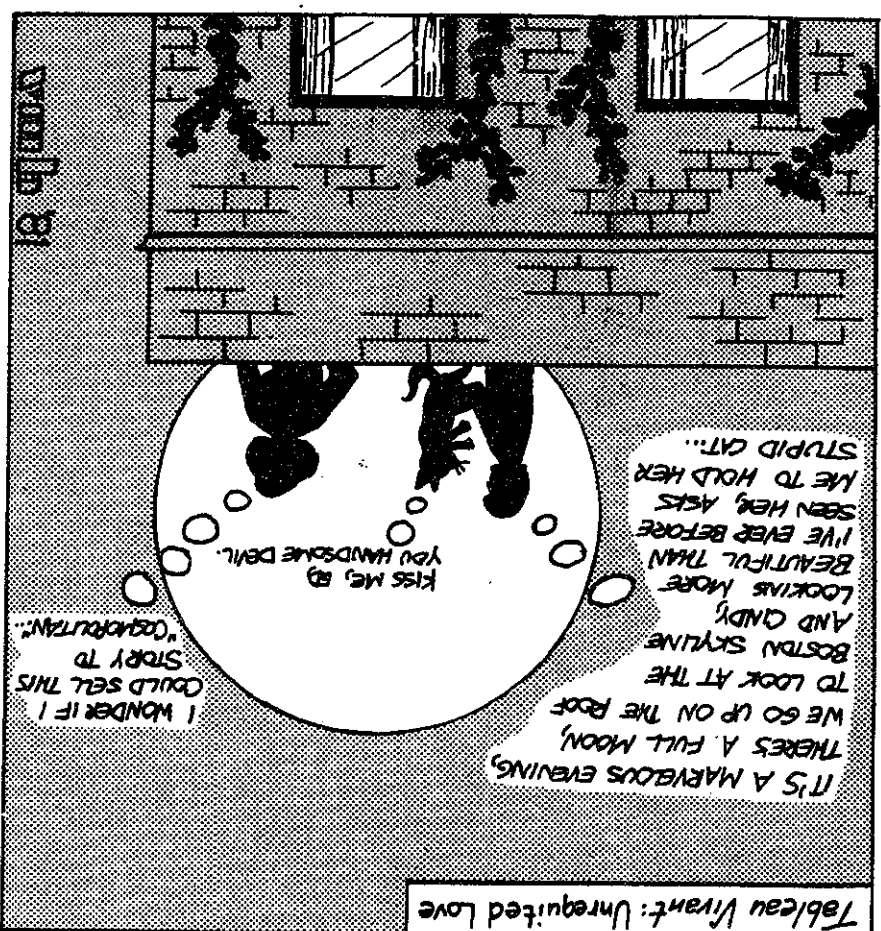
President — Eric Cigan
Vice-President — Andrew Siciliano, Arthur Vaseen
Secretary — Vaseen
Treasurer — Steve Isakowitz, Nick Schoewe
Members-at-Large — John Kowitz

Class of 1984

President — Peter Tu
Vice-President — Ken Freedman, Catherine Mamalakis
Secretary — Kendra Haigh
Treasurer — Jim Roberge
Members-at-Large — Pamela Cannon

For those offices for which there are no candidates (Class of 1983 Secretary, Class of 1983 Members-at-Large, and Class of 1984 Members-at-Large) the write-in candidate receiving the highest number of votes will be the winner.

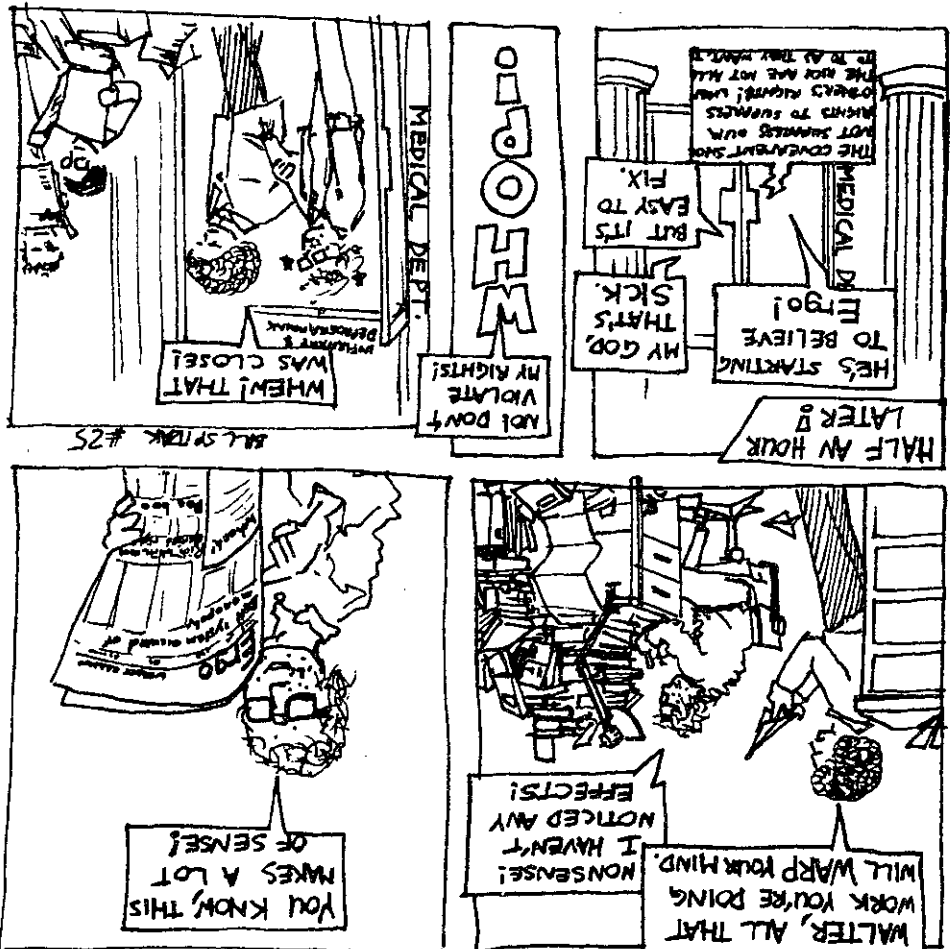
Outside Looking In By V. Michael Bove



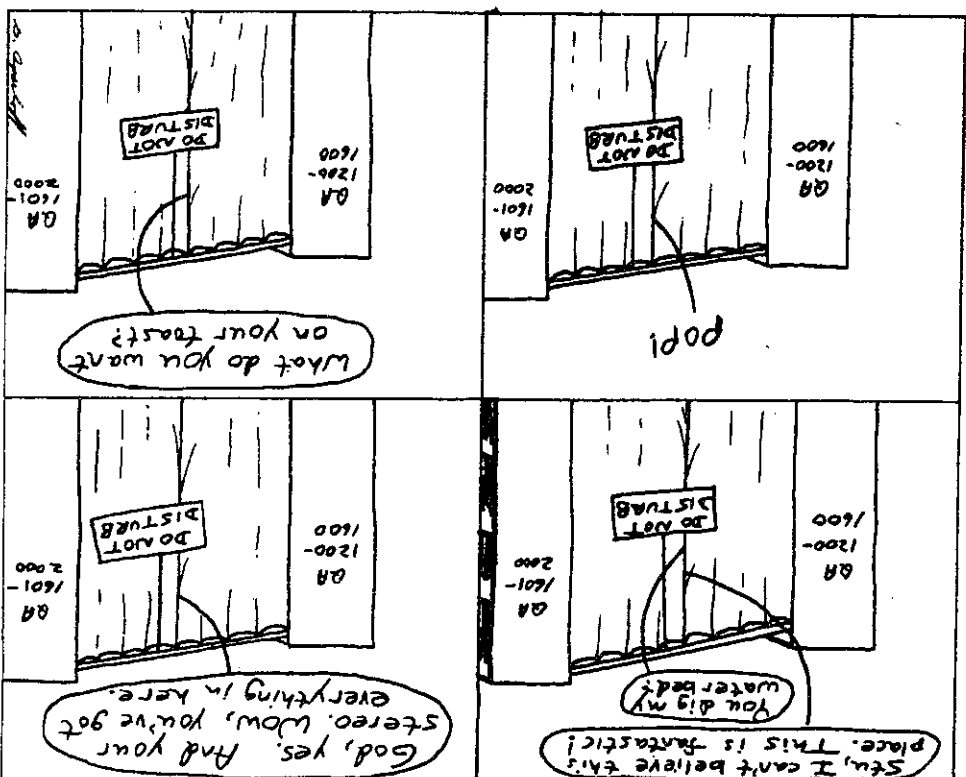
Stickles By Geoff Baskir



Space Epic By Bill Spitzak



Mr. Stu By Glen Apseloff



comics

sports

Neves leads track to title

By Eric R. Fleming

Paul Neves '83 won two events Saturday to lead the indoor track team to a first-place finish in the New England Division III championships at Bates Friday and Saturday. The win gave the Engineers their first track championship in 13 years.

Neves, a native of Brockton, won both the 800 and 1500 meter runs, setting two school records in the process. In the 1500, Neves won with a time of 3:51.41, beating out Somerville Parker of Williams (3:52.06). Five events later, the Tech track star took the 800 for the second consecutive year in 1:52.15.

Neves led the MIT charge, but he was not alone as ten of his teammates picked up points. Dave Kieda '82 won the 35-pound weight throw with a 54-5 effort, and other Tech tracksters garnered third, fourth, or sixth place honors in various events.

Senior Jim Turle took sixth in both the long jump and 55-meter hurdles, as well as fourth in the high jump. Lance Parker '83 finished fourth in the 400, running a season best of 50.51 seconds,

while Colin Kerwin '82 also turned in a season-best performance of 8:33.82, resulting in a third in the 3000.

Gordon Kelly, who coached the Engineers to a 8-3 regular-season mark in dual and tri-meets, was obviously pleased with the squad's performance. Commenting on Neves' double (part of a phenomenal return from an early-season injury), Kelly remarked, "We received maximum performance from everyone, but Neves was impressive." Kelly was not surprised by the team's scoring, as he predicted that MIT would garner around 80 points (MIT won 82).

Next on the schedule is the New England Championships at Boston University, which includes schools in all three NCAA divisions. The Engineers do not expect to do as well at BU, but Neves hopes to at least duplicate or surpass last year's performance, in which he took second in the 880-yard run. A good showing by the sophomore could qualify him for the NCAA Indoor Championships to be held in Detroit, Michigan, in mid-March.

Win or lose at BU next weekend, 1980-81 for both Neves and the Engineers has been the best in a long time.

The top five schools, and the other Tech scorers:

MIT 82
Fitchburg St. 69
Williams 62
Bates 58
Westfield St. 53
Joe Carangelo '81, fourth, 35-pound weight throw
Joe Presing '84, third, 55-meter hurdles
Paul Mahoney '81, third, triple jump
Eric Weaver '83, fourth, triple jump
Jeff Lukas '82, third, 1000 meters
Lew Bender '81, fourth, pole vault

sporting notices

The Frisbee Club of MIT will hold an organizational meeting this Thursday, February 26, in the Student Center West Lounge (second floor). The club is planning to compete with other colleges in Ultimate Frisbee, Frisbee Golf, and freestyle.

sports update

Wrestling — Tech matmen finished 12th in the New England Division III championships at Wesleyan over the weekend. Ken Shull '84 had his '80-81 undefeated season broken by Western New England's Tim Sullivan. The squad finishes its season at 9-8 under new coach Tim Walsh.

Basketball — Both men's and women's teams lost on the road Saturday. The men closed their season with a 75-72 loss to a much-improved Connecticut College team, finishing at 12-11, while the women suffered a 69-31 setback at the hands of Merrimack College. Coach Jean Heiney's crew closes the '80-81 campaign tonight, hosting Babson.

Fencing — The men continue to roll on, winning a pair of matches against Trinity and Holy Cross by the lopsided scores of 24-3 and 22-5. The women split their two contests, losing to Brandeis 9-7, and edging Holy Cross 9-8.

Hockey — Basketball could not polish off Connecticut College on the road, and the Beaver-Engineers could not defeat the

Camels on the ice at home. MIT had its ten-game winning streak snapped Saturday by a 4-2 count. Tom Michalek G continued his fine play, as the Notre Dame grad scored both Tech goals.

Rifle — MIT won both the Air Rifle and Smallbore Sectionals held here Saturday and Sunday. The pair of victories gave Tech the New England College Rifle League title with a record of 19-2. Leading the Engineers to victory was Ray Swartz '82, who captured individual honors in both the Air Rifle and Smallbore Sectionals, in addition to being MIT's top all-around performer during the course of the season.

Give blood.
Red Cross is counting on you.

on deck

Tuesday, February 24

Women's Basketball vs. Babson Rockwell Cage, 7pm

Wednesday, February 25

Women's Fencing vs. Harvard-duPont Center, 7pm

Saturday, February 28

Hockey vs. Bates Athletic Center, 7pm

Women's Gymnastics, MAIAW Championships duPont Gym, 2pm

Pistol, Intercollegiate Sectionals . . . duPont Center, 9am

classified advertising

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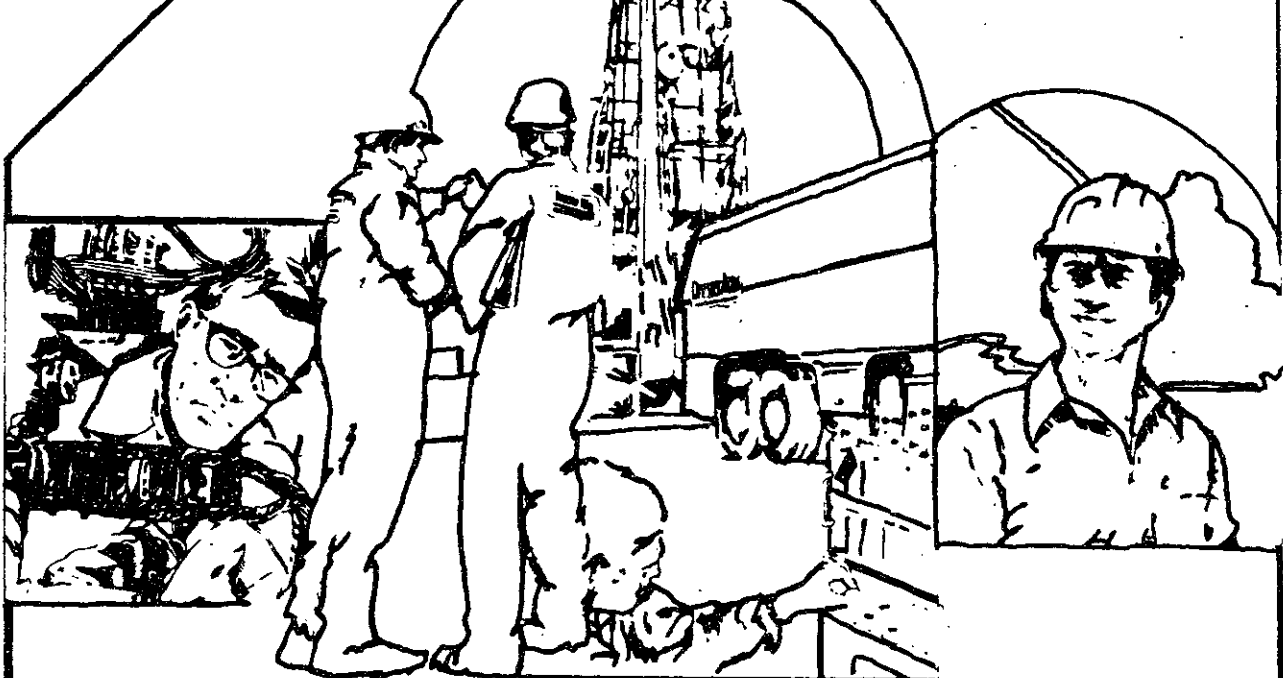
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The Aerospace Corporation
will be on campus
March 18th
see Placement Office



The Aerospace Corporation
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