

Students balk at tuition increase

By Ivan Fong

Members of the Academic Council met with approximately one hundred concerned students Wednesday to discuss reasons for the recently announced 19.4 percent tuition increase.

Students centered their questions on why the tuition jump was

7 percent higher than the inflation rate, why MIT did not increase funding from private corporation research, and how students on financial aid would be affected.

Associate Provost Frank E. Perkins '55 attributed the \$1200 increase to rising inflation, higher priced academic support, and expanding programs. Academic

support includes faculty salaries and is funded only in part by student tuition. Perkins noted that "Growth in other sources lags far behind inflation," and that the return on investments was lower than would be necessary to fully offset costs.

Many students said they felt that unnecessary expansion should be cut, although Perkins contends that it would be "a mistake for an institution like this to stop growing." Perkins added that if MIT had not aggressively entered new fields



The Academic Council met with students Wednesday to discuss tuition increases.

of study after World War II, "I doubt that MIT would be the leader that it is today."

Raj Tahil '81 blamed the record hike in tuition on a "failure of the MIT management." He commented that last year's \$900 rise was attributed to inflation, and

thus accepted by the students. Tahil insisted on "justification of the increase," which prompted Director of Student Financial Services Jack H. Frailey '44 to pledge to prepare a tuition breakdown report.

Emphasizing that tuition finances only half of the true cost of an MIT education, Frailey defended the implications of the increase by appealing to the constant ratio between graduate starting salaries and the four-year cost of MIT. "I don't think the future looks good as far as prices are concerned, but you will eventually benefit," he commented.

Nick Adams '83 contended that it was "unfair to squeeze the students," and that \$2 million of the \$6 million extra revenue due to the increase could be obtained from increased research revenues.

Members of the Council argued

that the bulk of MIT's outside research is federally sponsored, and thus is subject to the Office of Management and Budget's Circular A-21 which limits the amounts MIT and other universities can charge for government-funded research. Director of Finance John A. Currie '57 said, however, that private corporation research charges "could be negotiated."

Asked about students who are near their loan ceilings or are supporting their own education and may be forced to withdraw, Frailey said "That's a tragedy." He said he did not want to answer that question arbitrarily, but noted that parents may have to shoulder the additional responsibility: "We expect students' parents to pay their share. I have no other answer for you."

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Draft protesters tried

By Barry Surman

MIT freshman Will Doherty was among fifteen defendants found not guilty yesterday of charges of being "idle and disorderly persons" in connection with an anti-draft protest at the Harvard Square Post Office January 10.

Three other defendants were found guilty by Judge Lawrence

F. Feloney of the Third District Court.

Twenty-two protesters were arrested at the Post Office during the demonstration. At approximately 10am, fifteen marchers broke from their picket line to "hug for peace," and were immediately arrested. Police claimed the group was attempting to block the entrance to the Post Office. Less than an hour later, another group of demonstrators, including Doherty, were arrested in a similar situation.

Joseph Mlot-Mroz, who has frequently attended Boston area protests with placards denouncing the "bandit-satanic State of red-Israel," joined the march. According to police testimony, he was sprayed with red paint, and then at least two attempts were made to set his placard afire. Mlot-Mroz responded by swinging his metal sign post about; protesters claimed that he attempted to assault Charles Hussock or others with the sign. When Hussock raised his arm to intercept the sign, he was detained by four Cambridge Police officers. Sonia Neilson was also arrested when she attempted to come to Hussock's aid.

Hussock, Neilson, and Bruce Gordon, a resident of Cambridge, were all found guilty of charges of being idle and disorderly persons, based on the testimony of Sergeant Walter Boyle of the Cambridge Police. Boyle was able to identify Hussock, Neilson, Gordon and Mlot-Mroz as participants in the demonstration. The verdict of not guilty for Mlot-Mroz and the other fourteen, as explained by Judge Feloney, was due to a lack of "evidence specifically identifying any of the defendants as specifically participating in any disturbances."

Boyle's testimony led to the disqualification of Jim Packer as a legal assistant to the defense.

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dent Affairs, worked for NSF on two programs designed to increase participation of minority students in science and engineering before she came to MIT last January. McBay said that the proposed cuts are "unfortunate because there is a severe underrepresentation of women and minorities in science and engineering," and the programs which are to be cut are designed to counter-act the problem. McBay said that although "hard" science is important, balance is needed, and people need an "opportunity to do quality research in the social sciences."

Perkins also noted, "Signals coming out of Washington are disturbing. This looks like it might be a severe budgetary problem since it affects all the social sciences." Some important grants for the Linguistic and Philosophy Department might be reduced. If such reductions occur, the Institute will be faced with the choice of curtailing social science research, or redirecting funds from other areas, such as tuition money.

Robert Alberty, Dean of the School of Science, cautioned that these are only proposed cuts, saying, "I think it's too early to

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"Soft" sciences sold short

By Tony Zamparutti

The Reagan Administration has proposed major cuts in science funding, aimed mainly at economic and social science research, science education, and space exploration. If passed by Congress, the cuts "would have a serious impact" upon research and funding at MIT, according to Associate Provost Frank Perkins '55.

The Office of Management and Budget (OMB) has suggested reducing the National Science Foundation's (NSF) 1982 budget to \$1.12 billion, 18 percent less than the figure proposed by the Carter administration. The majority of the NSF budget, \$974 million for physics, chemistry, engineering, astronomy, and computer research projects at many universities, including MIT, would remain untouched. Among the cuts would be: \$40 million from an original \$84 million for social, economic, and behavioral research; \$47 million from the science education budget, a 42 percent cut; and a \$98 million plan to obtain new research equipment for universities and to improve access of women and minority group members to scientific and technical educations.

Shirley McBay, Dean for Stu-

Affirmative action attempts outlined

By Stephanie Pollack

MIT is updating its 1978 Affirmative Action Plan and the revised version should be available in "a matter of weeks" according to Vice President and Equal Opportunity Officer Constantine B. Simonides '57.

The 1978 plan set a goal of employing one woman and one minority faculty member in each department. Assistant Equal Opportunity Officer Dr. Isaac Colbert calls this figure "unrealistically low for the long term." Departments are responsible for achievement of affirmative action goals, although Colbert noted that the new proposal centralized the process of setting goals by establishing a new format in which departments play a smaller role.

Simonides said that MIT's progress in implementing affirmative action plans was equal to or better than that of other large research institutions, but added, "We are not satisfied. Never mind about the plan — we're going to step up the performance."

Colbert called MIT's success in attracting women excellent, noting that 93 members of the faculty were women in September, 1980, up from 17 members in 1970. A comparable level of minority representation on the faculty has been more difficult to attain, with only 19 black and 12 Hispanic members of the faculty in 1980. Women now constitute 9 percent of the faculty, and minorities, most of whom are Asians, 8 percent. The goal of one woman and minority faculty member per department has not yet been met.



Dean for Student Affairs Shirley McBay (Photo by Steve Cohen)

earlier this month, a faculty-student committee proposed the creation of a "Harvard Foundation" to promote social interaction between majority and minority members of the Harvard community.

Dean for Student Affairs Shirley McBay said she personally felt that the "Harvard approach is desirable because it promotes understanding among all of the groups that make up the student body." She noted that there had been no discussion of any similar action at MIT. McBay said that, with respect to relations between minority and majority

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inside

Since November, haven't you been wondering where you'd go if they dropped the bomb? Page 3.

Arts does "it" again. Pages 10-13.

Some potential EE nerds may be out of luck. (gee, that's too bad). Page 15.

news roundup

World

USSR rejects American concern — The Soviet Union has released a letter from Foreign Minister Andrei A. Gromyko to Secretary of State Alexander M. Haig, Jr., that rejects American expressions of concern over Poland. The letter was in response to an epistle Haig had sent to Gromyko in late January, which had warned the Russians not to intervene in Poland. The Haig letter iterated Western apprehension about the Soviet invasion of Afghanistan.

Nation

Reagan Administration suggests shift in social responsibilities — The new Administration has proposed significant shifts for jurisdiction over health care, housing, welfare, and food assistance programs from Federal to state control. Reagan's suggestion to shift responsibility for these programs first surfaced in the 1980 election campaign.

Las Vegas blaze termed arson — Eight persons were killed and 198 injured in a blaze that swept through the Las Vegas Hilton Hotel late Tuesday night. Chief Roy Parrish of the Clark County Fire Department declared in a news conference Wednesday that the cause of the conflagration was "definitely arson."

A \$100,000 reward was offered for information leading to the arrest of the arsonist or arsonists, who, if tried and convicted, under Nevada law, could be subjected to the death penalty. A husboy, Philip Bruce Cline, 23, has been apprehended and booked on eight counts of homicide. He is being held in custody pending further investigation.

Moral Majority fails to find out whodunit — The Washington State Library has refused to accommodate a request made by the Moral Majority to disclose the borrower of a sex-education film.

Roderick Swartz, State Librarian, declined to reveal who had checked out the film, saying, "The release of records would have a chilling effect on the use of libraries for the purposes for which they were intended."

The 21-minute color flick, "Achieving Sexual Maturity" has been used in sex education classes throughout the state.

SUNY sets tuition — The Board of Trustees at the State University of New York at Albany has voted to recommend raising tuition \$150 for the academic year 1981-1982, it was announced Wednesday.

Elderly couple caught dealing in drugs — Audrey V. Beaver, 62, and Luther Beaver, 73, residents of Groveport, Ohio, have been indicted on multiple counts of aggravated trafficking in drugs. Both Beavers have allegedly told sheriff's deputies that they sold drugs to supplement their Social Security payments.

Airline has one-day fare sale: 29 cents to NYC — New York Air has announced that any seat on its Sunday shuttle that does not sell for the regular \$29 weekend fare will be sold for 29c. New York Air is offering eight round trip Boston-New York flights on Sunday.

Local

Boston patrolman shot while attempting to apprehend suspect — John Arnstein, 32, an 11-year veteran of the Boston Police force, was shot and seriously wounded Wednesday as he attempted to arrest a suspect after a prolonged car chase. Arnstein is in fair condition on the danger list at Boston City Hospital.

Harvard Law School to get new dean — James Vorenberg will replace Albert M. Sacks as Dean of the Harvard Law School on July 1. Vorenberg, 52, began teaching at the law school in 1962. He has been associate dean since 1977.

Jerri-Lynn Scofield

Weather

Generally sunny and pleasant today with highs climbing to the middle 30's. Winds will be light out of the south at less than 10-15 mph. For tonight, clear and cool. Lows will be near 20. For Saturday, partly sunny and mild. Highs will be near 40. Late in the day cloudiness will increase, and we may see some rain or snow on Sunday.

James Franklin

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On Campus Interviews

FRIDAY,

FEBRUARY 27, 1981

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1881 — MIT Centennial Year — 1981

Feature

In case of emergency . . .

By Stuart Gitlow

McCormick Hall, Hayden Memorial Library, and Walker Memorial all have one similarity: they each contain a fallout shelter chosen by the Civil Defense Agency. These three buildings alone have been designated receiving facilities for the segment of the population living in the area described as "J" on the map (see below). Combined, the shelters would hold 9093 people with each person allotted ten square feet of space.

In the event of an emergency, Walker and Hayden would be the safest ports; these two shelters provide a protection factor of forty or more. This indicates that the areas within these shelters would receive one-fortieth or less of the radiation exposure sustained by the outside.

McCormick, while holding 5680 people, exposes 2010 of these people to one-tenth to one-fortieth of the outside radiation.

These figures are the result of two surveys; McCormick's survey took place in October 1972, while both Hayden and Walker were last checked in December of 1963.

The Cambridge area has been defined as a high risk area in the event of a nuclear attack. Ac-

Walker, and McCormick would be used. The second plan is entitled the Crisis Relocation Plan. If this plan were enacted, all in-



habitants of the Cambridge area, including MIT students, would be evacuated to Greenfield, Mass. Greenfield is prepared to receive residents of Cambridge and contains approximately twice as much shelter space as Cambridge does.

In the case of implementation of the Community Shelter Plan, MIT students would have nearly fifty shelters from which to choose, many of them MIT buildings. The National Magnet

tain large areas for fallout protection. Small areas for shelter are provided in Buildings 1, 3, 6, 8, 28, 33, and many other central MIT structures.

This information does not seem well-known. An officer of the Campus Police recently told *The Tech* that MIT does not have any fallout shelters or areas currently designated as such. Although the officer has been at MIT for three years, he has never seen a shelter or sign nor any place officially labeled as a shelter.

Forbes stated that many buildings, upon remodeling, repainting, or renovation have had the familiar yellow and black signs removed and not replaced. The Civil Defense Agency has signs available, both in the original metal form and in a new pressure-sensitive style.

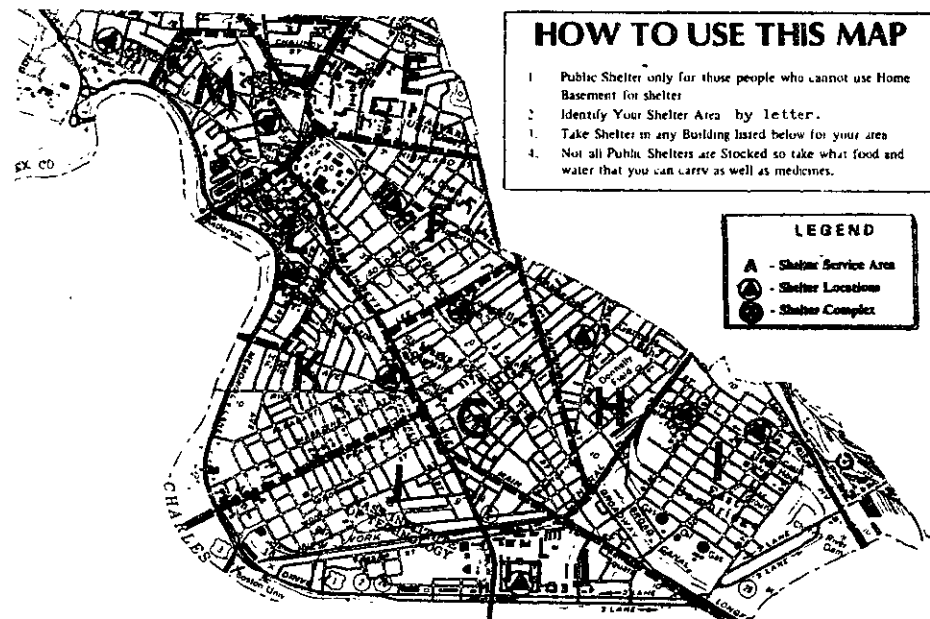
Fallout shelters are no longer stocked with food and water. Nearly all of the food, crackers, and carbohydrate supplements, were removed when their shelf lives expired. Although much of it was unspoiled, it was felt that it would be safer to eliminate food stocks than risk having some bad food consumed in a non-emergency situation.

Water, with added Clorox to give it an indefinite shelf life, was originally stocked. Many drums of water still remain in shelters, yet whether MIT shelters still have water has not been determined. Most buildings have enough "trap water," contained in the plumbing, to allow people to survive for up to two weeks in 95% of the shelters if water were rationed at the rate of three to four quarts per day per person.

Forbes believes that the budget for stocking shelters "may be boosted during the Reagan Administration." However, it is probable that only those shelters close to Priority One targets would be restocked. Westover Air Force Base is a nearby Priority One target.

Gene Norman, General Manager of WMBR, MIT's radio station, told us that WMBR is a member of the Emergency Broadcasting System, a nation-wide network established to distribute information to as many people with as little confusion as possible.

"If there were a national emergency," Norman said, "we'd be notified by our AP teletype wire. Ten bells would ring. We'd sign off and play any messages



ording to Douglas P. Forbes, Director of Nuclear Civil Protection at the Civil Defense Agency, "the area would be likely to suffer total devastation in the nuclear exchange."

Forbes noted that there are two plans currently available should an attack occur. The first, labeled the Community Shelter Plan, would be implemented only if there were insufficient time for evacuation. In this case, Hayden,

Lab contains the largest shelter, which was determined, in 1966, to be able to hold over 8500 people. 6300 of these would be in the best protection factor category. This category, coded as PF 4+ shows that the structure allows less than one-hundredth of the outside radiation into the interior shelter areas.

Eastgate, MacGregor, the Student Center, and the Kendall Station Subway Entrance also con-

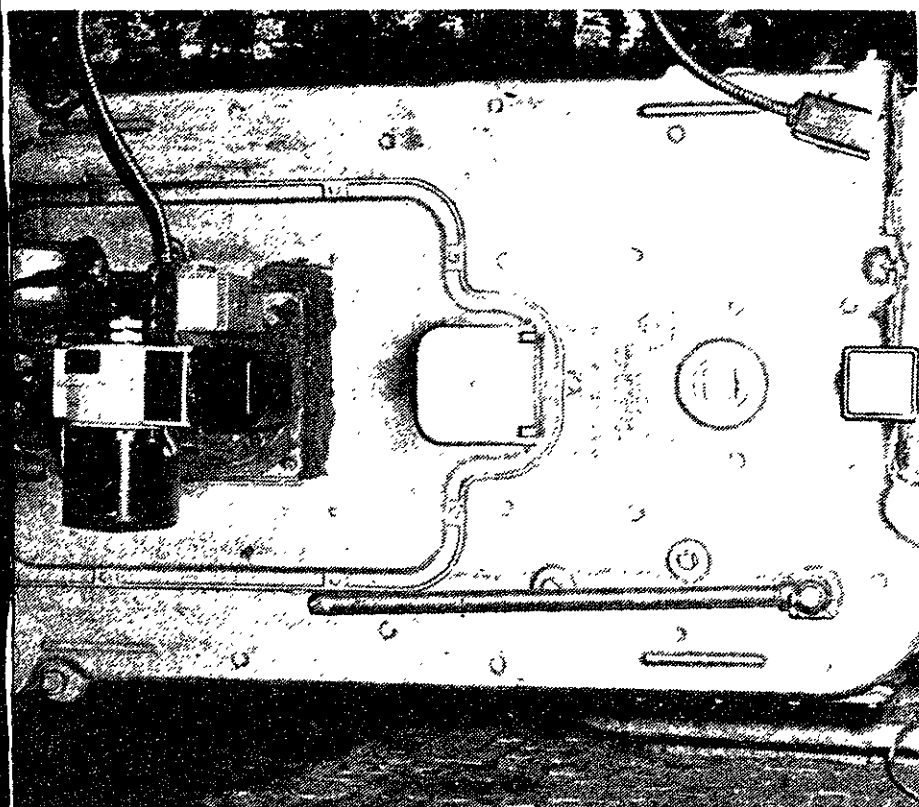


photo by Steve Cohen

Fuel financing finds frats frozen

By Tim Kneale

Many MIT fraternities have received an unexpected financial jolt by increases in fuel oil prices triggered by the Reagan Administration's decontrol of domestic oil prices.

Some twenty-three of MIT's thirty-three independent living groups use oil for heating their buildings, said Steve Immerman, Business Advisor to Fraternities and Independent Living Groups. Twenty-two of these twenty-three currently belong to a cooperative which buys its oil from the Gibbs Oil Company.

Prices the cooperative has paid have escalated from 96 cents per gallon in late November to \$1.17 per gallon this week—an increase of over 20 percent so far this winter.

Skyrocketing fuel oil prices have forced most independent living groups to upgrade their buildings to reduce heat loss. At Tau Epsilon Phi, a switch to a more efficient oil burner, coupled with plastic-covered windows that

reduce heat loss, has helped TEP's fuel costs to remain nearly constant over the past two years.

Delta Kappa Epsilon is one of the MIT independent living groups presently using natural gas to provide heat. Although gas is cheaper, DKE is planning renovation to reduce energy costs even more. Storm windows, efficient water heaters, improved doors, and new radiators are scheduled for installation in the near future.

According to Immerman, some improvements being made at other houses include mortar replacement, new windows, upgrading and replacement of boilers and burners, improved zone control, encouraging heat flow through the house, and time-control thermostats. These measures are expected to decrease MIT independent living group oil consumption below the 117,000 gallons of fuel oil burned between July 1978 and June 1979, the most recent time period for which comprehensive figures are available.

that come in."

WMBR would read the following message before signing off: "We interrupt this program," followed by a two tone signal for 20-25 seconds. "This is an emergency action notification. This station has interrupted its regular program at the request of the White House to participate in the Emergency Broadcasting System. During this emergency most stations will remain off the air

broadcasting news and official information to the public in assigned areas. This is station WMBR. We will be leaving the air. You should now tune to other stations until you hear one broadcasting emergency news and information . . . Do not use your telephone. The lines should be kept open for official use. The Emergency Broadcasting System has been activated to keep you informed. I repeat . . .

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Stephanie Pollack

Brotherhood

When I was very young, I thought that God assigned every family one handicapped child. My older brother is fairly severely disabled, and it never occurred to me that other families did not spend most of their time together in doctors' offices, hospital rooms, and physical therapy clinics.

I suppose I was only mildly surprised when, upon entering elementary school, I discovered that many families had no association with handicapped people. I was appalled, however, to find that some people had no compassion for my brother. Once I tried to slug an older man—third grade, I think—who left my brother lying on an ice slick. The "bully" had not pushed my brother—he had merely walked by without offering to help him get up. As far as I was concerned, one was just as bad as the other.

The compassion of most people is a joy to remember, however. We rarely had to wait in lines for shows or at amusement parks, and tour guides were always patient with my slow-moving, constantly questioning brother. People were also very protective. Once when he was very small my brother "ran" away from home. He actually used a walker, since he did not learn to walk unaided until some years later. Some distance down the street he stopped to chat with a kindly old lady, and identified himself as Joe—not his real name. When my mother came hysterically screaming down the street several minutes later, the woman refused to let her take "Joe" away until my brother explained that she really was his mother.

I will never forget the first time my brother walked without the aid of braces or crutches. My mother came home during a physical therapy session at the house, and my brother walked to the door to greet her. It was only ten or twelve feet from the couch to the door. My mother and I both cried. So did the physical therapist.

My brother, always the practical one, did not understand what we were upset about. He thought we should have been happy. A logical assumption, but one that proved false. Although I was glad for my brother, I was also scared by his new-found mobility. For almost two years after he first learned to walk, I had nightmares about him tripping and falling through a giant glass skylight. To this day I cannot watch him step onto an escalator.

Between operations, my brother managed to join the Boy Scouts. He was the star in a play about a handicapped boy scout, and his pack used to rehearse in our basement. The other scouts seemed surprised by how normal our home, and my brother's room were. To them, looking different meant being different.

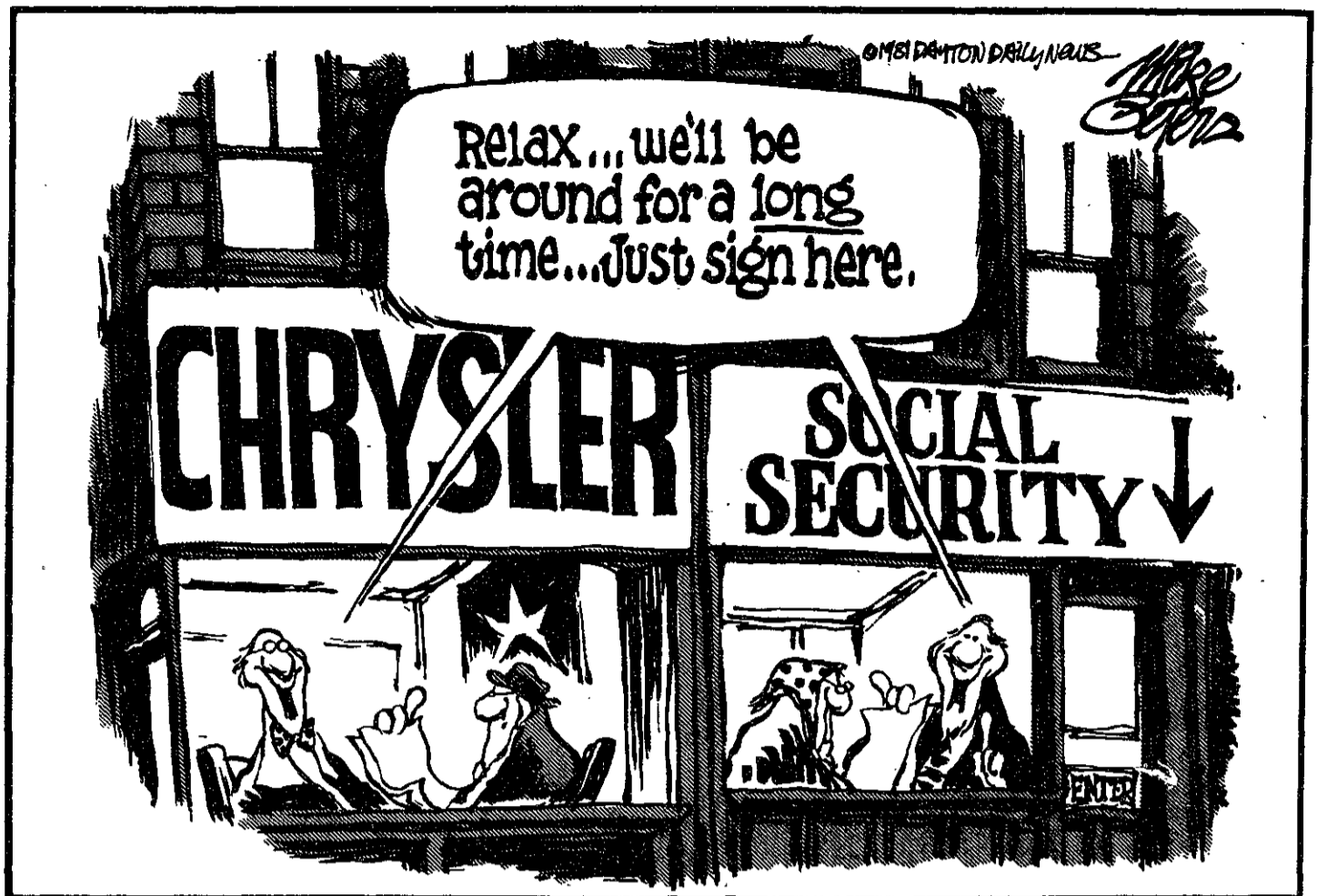
My brother does not believe in God or organized religion, and I can't blame him. He has had far too much time, in far too many hospitals, to think about such things. I suppose he is glad to be alive, but he is very bitter. I often wonder if he will ever be truly happy.

Although I do not see my brother very often these days, I have been thinking about him a lot. 1981 has been designated as the year of the handicapped. For the last two months I have tried to look at MIT, and myself, with different eyes. I have also thought more about how my brother, and other disabled people, see their world.

Appearances have little meaning for the handicapped. A few stairs are a difficult challenge; a ladder is an impossibility. It is difficult to believe, but most of the things we do every day would be exhausting or unrealistic if we were blind, deaf, or otherwise physically disabled.

There is an even darker side to the appearances of the disabled, however. Handicapped people look different, and so are treated that way. My brother's housing may be defective, but it encloses a brilliant mind and a truly perverse sense of humor. The occasions are rare, however, when people are willing to look past the packaging to see the person.

I would like to believe that I understand handicapped people better because of my brother. I hope that in this year of the handicapped, other people will try to gain a similar understanding. Regardless of how keen my grasp of the problems of the disabled is, however, I have learned a lot from my brother. Mostly, I have learned about myself.



Jon von Zelowitz

Focusing on the trivial

It seems to be an MIT tradition that people spend lots of time whining and complaining about the most trivial or absurd problems, while ignoring the biggest.

This was illustrated most recently by the request from the Advisory Committee for Women Students' Interests (ACWSI) to stop the showing of LSC's traditional X-rated Registration Day movie. While this administration committee spent their time worrying about our morals, no one seemed to be too concerned about how the students are being unmercifully boned in other ways—gross tuition increases, forced commons, and required finals for 8.01, just to name a few. In fact, I would feel bad about devoting a column to the issue of the films if its purpose was not mainly to illustrate this problem of focus.

The controversy about the Reg. Day movie bothers me most deeply because of the imposition of the morals of one group on another. I know that I would personally love to pull out the fingernails of anyone who voted for Reagan, or who plays Barbra Streisand records, or who tells me that I shouldn't dye my hair blue. But it is my respect for personal freedoms, rather than a lack of pliers, that allows me to tolerate these people.

I certainly don't think that total public anarchy is good either—clearly, *in public*, there should be restraint and consideration of others' feelings. For this reason, I can accept the criticism of the Matisse drawing on the poster, though I don't agree with the criticism. The poster was up in public places, in view of all, and if people are honestly offended by it, then LSC showed poor judge-

ment in the display.

Actually showing the films, though, in a non-public place with an admission charge, is another matter. People who choose not to see the films need not see them. I would far rather see a community with no censorship of people's private lives than one which allows *anyone* to have final say over others' personal freedoms. I hate it as much as anyone when religious fanatics accost me in front of the student center and offer me tickets to their "free introductory feast." But it is my right to reject it, or to make a conscious, intelligent decision to go. I find it sick that the ACWSI, among others, seems to think that they have the right to choose what films I am allowed to see.

What's worse, the ACSWI seems to take it for granted that they have this right. Professor Mildred Dresselhaus was quoted in *The Tech* as saying "Since I'm sure LSC will agree to stop showing the movies, I can't think what other action will be necessary." This seems a bit on the presumptuous side.

Finally, I can't understand why the Reg. Day movies are the origin of this whole controversy. As far as I can see, from my male viewpoint, the James Bond films which are shown multiple times each term are even more exploitative in their attitudes towards women, and more violent, than any Reg. Day movie I've seen. Yet I can't remember anyone complaining about them. I personally find myself laughing at the Bond films' views of women and violence, because they are displayed with such a straight face despite their clear absurdity. But then, that's the same reason I laugh at the ACWSI.

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Keeping antics in check

To the Editor:

I am writing this in response to a guest opinion written by J. Spencer Love that appeared in the Feb. 6 edition of *The Tech*.

I was in the Coolidge Bank the day that Ms. Kurzberg and Mr. Ruggiero presented their "chalkboard check" to the teller and demanded that it be cashed. My reaction to all of this was one of anger and irritation. I was in

somewhat of a hurry, and I'm never very fond of waiting in line at the bank. From my point of view (and I believe that of the other bank customers present), such antics were disruptive and served only to hold up the lines and bolster the intellectual egos of these two students. I thought to myself—don't these students have anything better to do with their time than to screw around in

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The Tech

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→ feedback

Tuition hikes breed disenchanted alums

Editor's note: The following is a copy of a letter sent to President Paul Gray and the Academic Council

* * * *

To the Editor:

I am amazed. For an institution that claims to depend greatly upon alumni endowments to survive, this school of yours seems suicidally determined to create a whole generation of disenchanted alums. It may seem quite reasonable to you to jack up tuition to absurd levels to increase your income, and for the twenty or thirty percent of the student body that can actually pay it it may well work, but what about the rest of us? What about those of us who are already at or near the debt ceiling, and who are treated so casually by your "financial aid" people? What about those of us who are trying to finish up our degree requirements, and who can't just call up daddy and say "Hey, Pappy, toss me another two kilobucks!" Do you seriously think that we can sit still and absorb this kind of garbage as Mr. Gray enjoys his two-

hundred-plus kilobuck garden parties at our expense? Oh, I know, it was only to bolster the Institute's sagging academic prestige. It's good of you to watch out for the value of our degrees in this way. Do you really think that the student body will sit still as the man who moved into the President's house to "be closer to student life" proceeds to totally ignore the realities of that life? Do you expect us to just sit quietly and give you ever more money to give us ever more garbage?

(please turn to page 5)



AND IN RECOGNITION OF 20 YEARS OF LOYAL SERVICE
HERE AT THE NUCLEAR WASTE DUMP....

feedback

Students as money sources

(continued from page 4)

Sure you do. The really sad thing is that you're absolutely right. The great faceless, brainless wad that is the student body of MIT will just shrug and say "Ahh — it's only \$7400" or "Well, it's a good investment, and it's not my money anyway." There will be no tuition riot, and no breaking of windows or shouting of slogans. Three weeks into the term it will all be forgotten. Business as usual.

The only thing that will happen is that the percentage of malcontents will go up, and you gentlemen need not be concerned with them. After all, as you well know by now, if you ignore them they will always just go away. There are always new faceless people to replace them.

I think that you gentlemen should concern yourselves with these malcontents, instead of

simply hoping that they'll just get off of your balance sheets. They leave a feeling that this concrete and steel toy of yours is not worth the hassle, pain, money, and lack of student life. I fully believe that this greatly increasing number of disenchanted alumni and disgruntled dropouts is far more expensive in terms of your toy's vaunted "academic prestige" than any number of flashy garden parties can buy back. After all, what possible good is a school that specializes in chasing off its undergraduates and producing "survivors" who hate it? Sure, you can always replace us with new, fresh money sources to fill your dorms and classrooms, but if that's all you're doing here then I think you should quit calling this place a school.

If I were you gentlemen, I would quietly see to it that the phrase "no one shall be denied an

MIT education for financial reasons" be removed from your recruiting hype. I'm not sure that you care, but your official policies exclude more people all the time. Do you know what we malcontents do? We take our money and go find another school. We leave, gentlemen, with an amazingly bad taste in our mouths from this huge lumbering tax writeoff of yours. We don't smash windows or shout slogans, we just go quietly. But just come and ask us for money and you'll find out how we feel!

I am reminded of the secretary who once said to me, "MIT would be a great place to work if it weren't for the students." You gentlemen seem to be working towards that ideal as quickly as you can. But when we are gone, just who will you be running this precious toy of yours for?

Scott Griffith '82



the Coop

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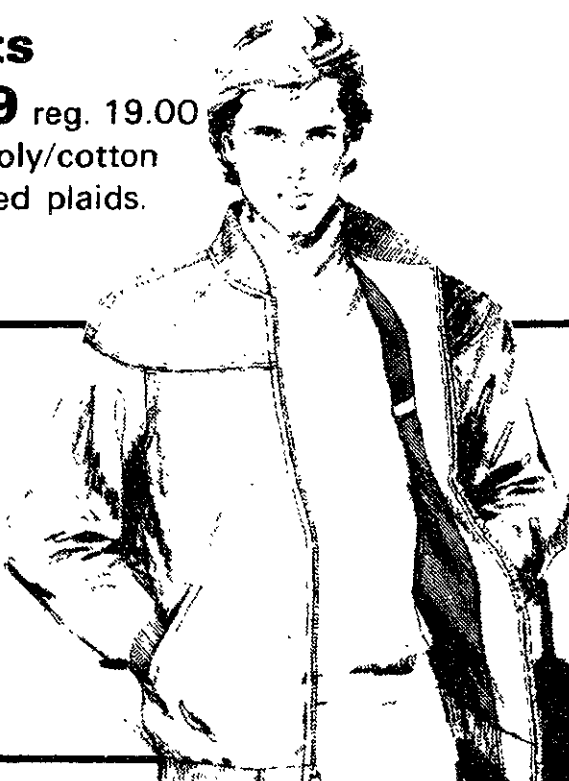
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Glenn Ackerman

Innocence regained: looking Forward by looking back

1980 marked a major turning point in our history. It signified the beginning of a trend that may irrevocably alter all aspects of American life. It is a trend of returning to our former selves, of going "backwards" so to speak. To fully understand what is happening, we have to step back and take a broad historical perspective.

Through our first 150 years, America has had a distinctive national character which appears to have been lost during the last half-century. This lost America was a predominantly rural society. There was a strong belief in individual enterprise and the work ethic. Horatio Alger stories of rags to riches were important parts of the American mentality: all that was needed to acquire wealth was hard work and perseverance. We felt we were special among nations — we had a manifest destiny — whatever was American was necessarily good. Conflicts at home and abroad were reduced to good vs. evil. We always wore white hats, the other side wore black, and there were no shades of gray. Everyone believed that right would create might and always triumph over evil.

This innocent view of life permeated our society. One could see it in the politics, the arts, the writings, the culture, even in the school books of the day. These assumptions formed the foundation of American life.

This naive America was shattered during the last fifty years. The great depression destroyed the work ethic — one cannot become rich, no matter how hard one is willing to work, if there are no jobs. World War II showed that the world is too dangerous a place for a peaceful, isolationist democracy. The McCarthyism of the fifties ruined any faith in the good intentions of our government. The civil rights marches of the sixties demonstrated that our society had been capable of suppressing an entire race of people. Viet Nam showed that not only were we not good, we were capable of being positively evil. The Arab oil embargo took away our independence and made us bow down to foreign powers. Watergate and the scandals and recessions of the 70's were knockout blows.

All these were hard punches to our society, and they came in rapid succession. They profoundly affected us. Basic facets of society were altered. The individual was no longer regarded as master of his own fate. No man could change the world, but the world could change each man. The concept of the environment consumed much intellectual thought. Poverty and criminal behavior, which were once blamed on the individual, were now blamed on society.

The basic materialistic assumptions of Horatio Alger were also being questioned — wealth can bring loneliness and greed; did we really want it? We no longer felt our nation to be special. We had no right to impose our values on others and became no better than any other country in the world. What was once our moral backbone and ingrained strength had disappeared. All this culminated in what we now refer to as "the 60's culture."

What we are currently seeing is a trend toward readjustment and recovery from the shocks of the last fifty years. A traditional America is gradually reemerging. We are becoming what we once were. This can be observed in many ways in just about all aspects of society.

Perhaps the single best example of this trend was the election of 1980. Ronald Reagan, himself, personifies our older values. He was elected to bring us back to a former America. When he spoke of family importance, the work ethic, and "the citadel on the hill," he was referring to our traditional values. People did not vote for him because they were for Kemp-Roth or against Salt II. Indeed, most did not understand the significance of these issues. They voted for him because they admired his ideals and vision of America.

Jimmy Carter got elected in 1976 in exactly the same way. After the trauma of Watergate, Carter presented himself as a good, decent fellow. He had the Horatio Alger appeal of the self-made man. He touched basic Jacksonian yearnings for a democracy of the common man ("making the American Government as good as its people"). He believed, like the rest of us, that anyone could govern — all that was required was honesty and common sense. Hence, we got a government of good ol' boys from Georgia. Later, when it became

apparent that Jimmy was not going to restore our former selves, he lost popularity and was booted out in favor of someone who would.

Elections are not the only manifestation of this trend. One can see it all around us: Religion is on the upswing, perhaps to the point of becoming a Third Great Awakening. Many economists are advocating laissez-faire policies and renouncing the Keynesian concepts that formed much of the basis of modern economics. Profit is no longer a dirty word. More and more advertised goods and services are geared to the up and coming business executive (special banking services, business magazines, small computers, etc.). We are reindustrializing, and the entrepreneur is increasingly revered. The materialism that was so condemned in the 60's is now being praised. Even Jerry Rubin is now a stockbroker.

Editor's note: This is the first in a two part series. Next week's column will deal with how trends in the arts correspond to these trends in politics.

the Coop

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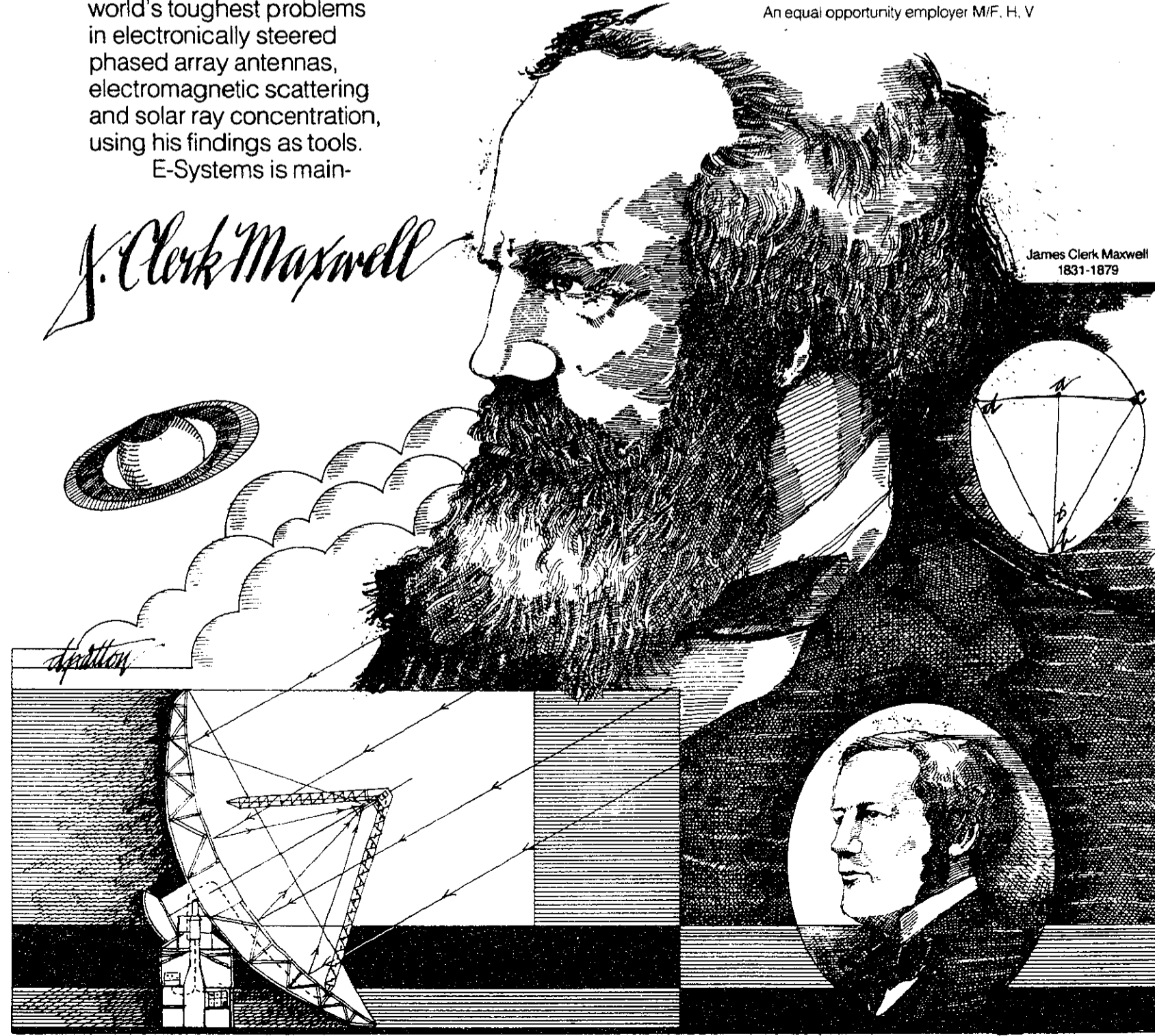
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feedback

SIPB: only students

To the Editor:

I am writing this letter because I am angry at the manner in which the SIPB was mentioned in Richard Salz's editorial "Keeping it pure." I would not object to the SIPB's inclusion in this article if Mr. Salz had any given any justification for including it; he at least offered some justification for including each of the other organizations mentioned. The SIPB does not have any student/non-student ratio problems as far as anyone's concerned, which Mr. Salz would have found out had he bothered to ask. The SIPB's voting membership is restricted to currently enrolled students, and only they can hold office or vote on issues presented to the board. There are associate non-student members who serve as advisors and assistants to the board, and whose experience and expertise is heavily relied on. They do not, however, in any way discourage student members from taking on

responsibilities. Mr. Salz obviously wasn't aware of any specific problem of the SIPB's or else he would have addressed it in his editorial instead of taking a cheap shot at the SIPB.

If *The Tech's* staff is really concerned with the lack of student participation in student organizations, I have a positive suggestion. Why not run a weekly or biweekly feature article on a particular organization, slanted to describe why it is rewarding to be a member of that organization. Perhaps you could even get members in each organization to write, or assist in writing, the article (I volunteer). These features would prove interesting to your general readers, and would possibly be the most effective publicity available to student organizations.

Stephen J. Leblanc
Student Member
Student Information Processing Board

Disrupting business

(continued from page 4)

a bank? I have enough things to put up with throughout the course of a day without this sort of foolishness.

After I cooled off a bit I thought about my own student days during the sixties. I experienced many uncertainties and frustrations during that time. I sought out avenues of release, and I admit that often I did things that were essentially non-constructive; even destructive. Yet along with others my age, I was faced with the prospect of having to fight in a war that I didn't believe in, not to mention the issues of environment, racism, sexism, and nuclear holocaust. We disrupted "business as usual" so as to bring home the message to the adult world that we were deeply troubled by what we saw going on around us, and that we didn't want to have any part of it.

I concluded that students should question the world around them, testing their own ideas with

the ideas of others. At no other time in one's life is such a great opportunity available to learn so much and to try out so many new things as when one is a student. I also realized that there is probably no more difficult time personally.

And we as members of the so-called adult world should listen to the stream of student thoughts and ideas from time to time in order to refresh the perspective in our own lives.

I only ask that students please understand that it is very difficult for working people to make a go of it during these difficult times. Additional hassles are just not needed nor are they appropriate. So the next time you contemplate taking a chalkboard check down to the Coolidge Bank to be cashed, please consider all of the consequences of your actions.

Tim Barash
Dept. of Earth & Planetary Sciences

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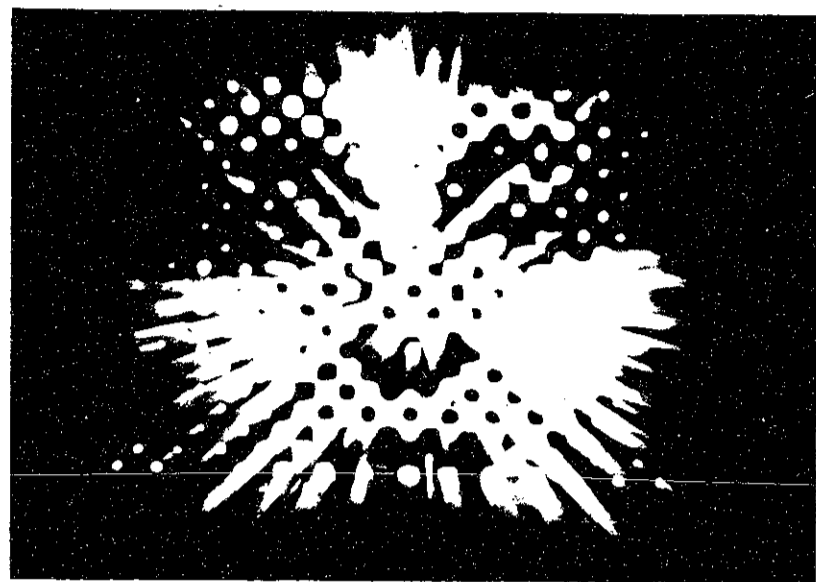
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Editorials, which are marked as such and printed in a distinctive format, represent the official opinion of *The Tech*. They are written by the Editorial Board, which consists of the chairman, editor-in-chief, managing editor, and news editors.

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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GRADUATE STUDENTS

Hearings for seats on the Institute Committees will be held February 24th and 25th. Interviews will be held for positions on the following committees:

Equal Opportunities Committee

IAP Policy Committee

Medical Advisory Board

Prelaw Advisory Board

Committee on Safety

Committee on Toxic Chemicals

Advisory Committee on Shareholder Responsibility

Dining Advisory Board

The *Tech* COOP Board of Directors is also searching for student membership. If you are interested in becoming a member of any of these, please contact the **Graduate Student Council** by calling x3-2195, or stop by Room 50-222.

CollegeWatch

VLSI venture explained

By Frank Hrach

The University of California at Berkeley will receive \$2.6 million for research in microelectronics from the state of California. This grant is part of a \$10 million annual plan devised by Governor Edmund G. Brown, Jr., university officials, and local industrialists. Berkeley would explore the 20 year-old field for very large scale integrated (VLSI) circuits. In theory, any advances made at Berkeley would help the California electronics industry fend off stiff competition from outside of the state.

A similar installation will be built at MIT in the near future. Last year, on January 28, former Chancellor and now President Paul E. Gray '54 announced plans for a research facility. Construction should begin next year, and the installation begin operating as early as 1983, said Professor Paul Penfield, Jr., of the Department of Electrical Engineering and Computer Science. Penfield, who headed the committee that authored the study suggesting that microelectronics research should be encouraged at MIT, commented, "It should be completed within two years. The first year will be largely construction, while the remainder will be devoted to debugging the installation."

The MIT research facility will be financed, unlike the one at Berkeley, entirely through the private sector. Approximately \$16 million is currently being sought from industry sources.

According to Penfield, MIT's new program in microelectronics encompasses four areas — sub-micrometer structures technology, semiconductor materials and devices, integrated circuit design automation, and integrated system architecture.

Inflation blamed*(continued from page 1)*

Many financial aid students will get help, said Frailey, even though the equity or self-help level will increase \$400. However, Frailey added that he "can't guarantee" that, in general, financial aid will keep pace with the increase, since it is unclear just what cuts the Reagan Administration plans for federally supported loan programs.

Room and board fees will be discussed at the Academic Council meeting next week, although Currie said he predicted a jump of "at least 13 percent but probably less than 20 percent."

A concern of many students was the effect the tuition hike will have on admitted students, but Frailey pointed out that the middle two income quartiles have remained "invariant" at about 50 percent of MIT undergraduate and graduate students. Frailey also indicated that the percentage of applicants who decline admission because of tuition or who decide to matriculate at a less expensive school has remain unchanged over the last few years.

The student audience was also annoyed by the suddenness of the announcement, and suggested that student input be considered by those who set the tuition level. An informed source reported that at least one senior administration official predicted an \$800 increase only two weeks before the final decision was announced.

The meeting was held at 3pm in the Mezzanine Lounge of the Student Center; some students complained that the discussion was inadequately publicized.

Dean for Student Affairs Shirley M. McBay and Dean of the School of Science Robert A. Alberty were also present.

The new research group will encourage research into novel processes and configurations. It will also allow researchers and students at MIT to design, fabricate and test integrated systems relatively quickly.

This new research facility will greatly serve the entire MIT community commented Penfield, because microelectronics is an interdisciplinary field that it will require the expertise of many different departments.

MIT-Harvard figures contrasted*(continued from page 1)*

members of the MIT community, it is "more important through existing offices and programs to try to foster better relationships than to form foundations."

McBay is a member of a special subcommittee of the Academic Council, formed at the request of President Paul Gray '54, which is investigating ways to increase the percentage of women and minority students at MIT. The other subcommittee members are Vice President Constantine Simonides, Chairman of the Faculty Sheila Widnall '60, and Vice President and Dean of the Graduate School Kenneth Wadleigh '43. The subcommittee is currently assembling recommendations, primarily pertaining to admissions policies which McBay hopes will have some effect on the composition of the Class of 1985.

McBay noted that encouraging women and minorities to come to MIT would also increase the pool of applicants available for faculty positions. "You can't just sit around and wring your hands" over the lack of women and minorities qualified for faculty positions. Said McBay, "You have to grow your own." Colbert agreed that MIT should try to cultivate its own students and persuade them to remain for graduate and postdoctoral work.

Colbert cited two other methods of increasing the number of women and minorities hired. First, MIT must "insure that we're casting the broadest possible net" when looking for applicants. Second, MIT should not assume that minorities and women currently in industry positions are so "comfortably ensconced" that they are unwilling to return to academia. According to Colbert, MIT "can't assume that higher education has nothing to offer because it can't match industrial salaries."

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→ feedback

Non-students in LSC

To the Editor:

To anyone who read Richard Salz's May article about LSC, it is not surprising that last week's column ("Keeping it pure") was full of inaccuracies and erroneous statements. The clear impression given was that many student organizations are run by "old-timers" and that some are even "bereft of students." As LSC was the most frequently mentioned organization in the column, I thought a clarifying response was appropriate.

LSC has the largest active membership of any activity on campus. Of our approximately 160 active members this term, fewer than 20 are non-students. Our officers (cumulatively known as the Executive Committee), as elected last November consisted of ten students and only one non-student (Class of '79). None were "five-year alumni."

Contrary to the implication in his column, LSC members do not stay around to make money from our publicity facility (LSC does not pay its members for anything; however, press operators and designers may use LSC facilities for outside organizations and charge them for their labor). In fact, we "old-timers" enjoy working for LSC and take pride in having worked for what we believe is the best-run and most responsible activity on campus.

For an organization the size of LSC, having "old-timers" around has some distinct advantages. Old members can serve as a "corporate memory," supplying not only information on the way things have been handled in the past, but (hopefully) the reasons for doing so as well. Often, conditions have changed such that prior considerations have become irrelevant. As frequently, however, the knowledge of an old Execomm member can save the Committee from major mistakes, embarrassment, or worse. The current Execomm may choose to either use or ignore such knowledge. Making it unavailable seems rash and counter-productive.

Long-time members are also invaluable to major projects, such as the recent improvements to the 26-100 projection booth and sound system. Without people willing to make such a long-term commitment, most large projects would either never get started or remain incomplete. It has always been our goal to get students involved in every aspect of such projects, sometimes without success. It should be noted that the Projection Subcommittee, which makes use of all of LSC's new sound and film equipment, is run by, and is composed exclusively of, students.

Mr. Salz correctly points out that student organizations are primarily for students. However, the Association of Student Ac-

tivities (ASA) has determined that an activity need only have 50% undergraduate membership to be recognized. It is neither illegal nor unusual for activities to have members from the MIT community at large. In that the major responsibility for decision-making at LSC rests primarily with students, I think it incredibly small and sanctimonious of Mr. Salz to wish to remove those people whose time and effort have helped make their organizations more successful and respected, thereby benefitting the entire MIT community.

Marc Blanc '75
Former Classics Director, LSC

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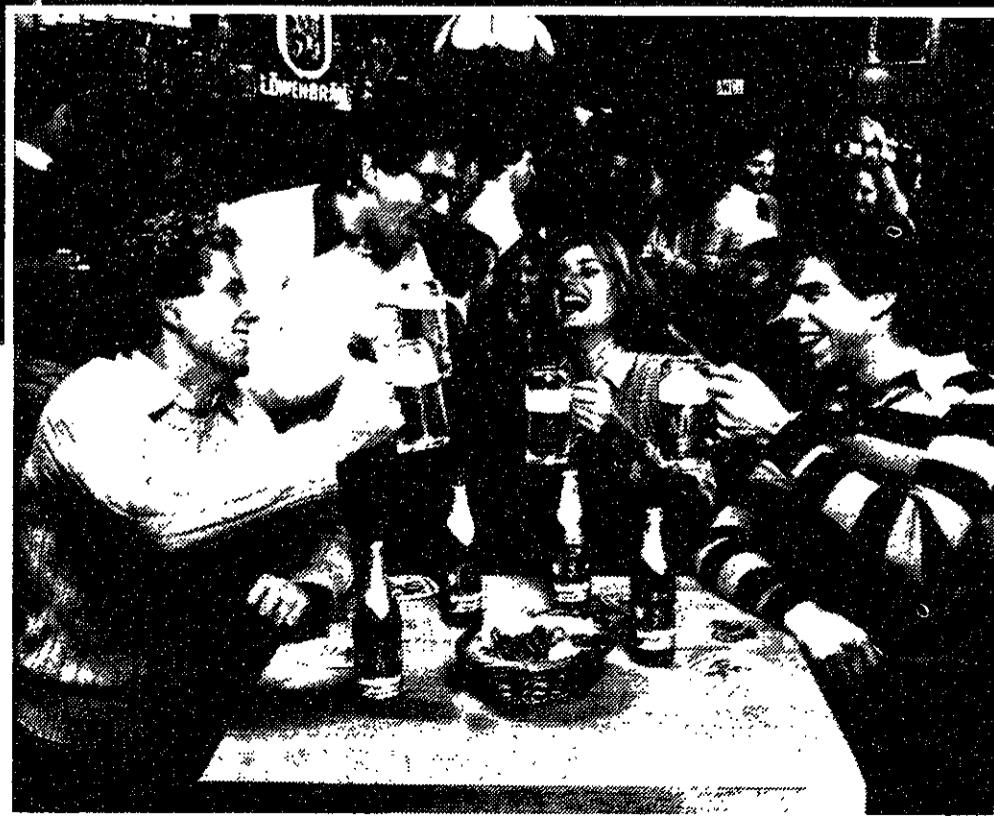
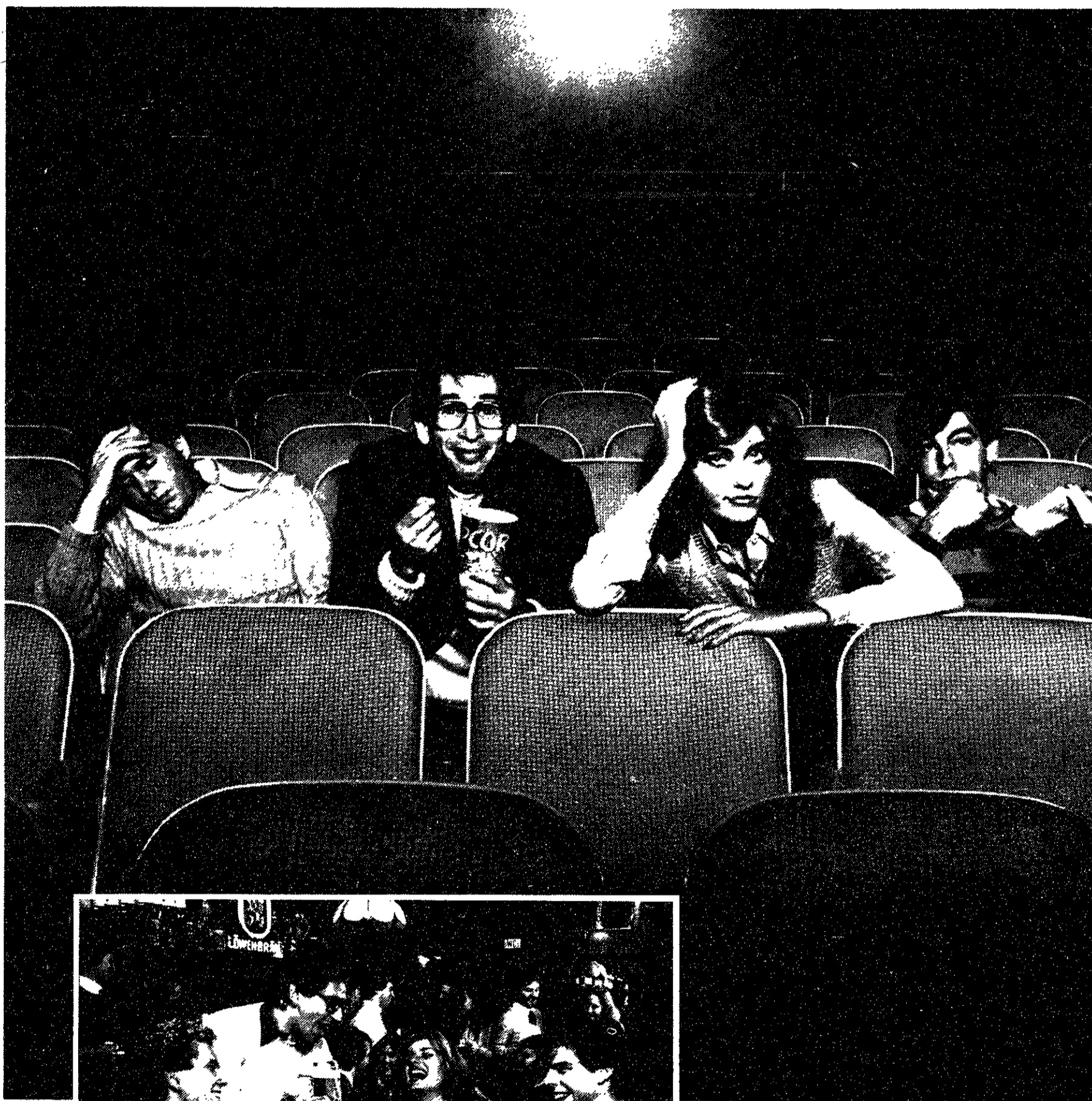
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Kilimanjaro. *The Teardrop Explodes* on Mercury Records.

Crocodiles, Echo and the Bunnymen on Sire Records.

Reviewers dream of such built-in parallels: two successful, imaginative bands (and a third lurking in the background) explode out of a single Liverpoolian three-piece, assert commercial viability, and refine the definition of pop classicism. And you thought *you* were busy. The Teardrop Explodes is fronted by Julian Cope (although rumor has it that his band, on the eve of their departure for America, have cut out, leaving Julian to fend for himself...), while Ian McCulloch leads Echo and the Bunnymen: both were in the Crucial Three, along with Pete Wiley, leader of the less acclaimed but equally significant Wah! Heat, in Liverpool in late 1977.

While Teardrop and Echo are not on speaking terms now, they've both enjoyed a meteoric rise to celebrity in England, and are now receiving airplay on major US stations. Teardrop is admittedly ahead in the US-acceptance game. I like Echo and the Bunnymen a little better for precisely the reason that they are harder to like. The Teardrop Explodes, with their instantaneous likeability, make me suspicious—nothing should be that easy to enjoy.

Echo and the Bunnymen participated briefly in the psychedelic-renaissance (*viz.*: Psychedelic Furs) that occurred in England last year, but have toughened up their sound and image now, most importantly by sacking their drum machine, "Echo," for flesh-and-blood drummer Pete De Freitas. They still flirt a little with latent hippy-psychedelia (a run-off track on their new LP *Crocodiles* mentions "flowers in their hair," or something), but mostly it's been discarded in favour of forcefully expressed modernistic balance imagery. McCulloch's viewpoints are a delicate balance of distress and restlessness ("Things are wrong/Things are going wrong... losing sense of those harder things" he sings—not hopelessly but warily.) He's willing to allow for possibilities of emotional salvation, but he's reminding us of the tenuousness of our general emotional lives. McCulloch is observing, not whining, which is refreshing after so much (albeit good) doomsday music (gloomy PiL, *neurotic Magazine*), and of course it's always preferable to such insights as "Ah luv uh rainy night."

Echo and the Bunnymen's sound is a little spare: lead guitarist Will Sergeant strums unobtrusively, the bass (Les Pattinson) is usually very quiet, and result isn't tenuousness of our general emotional lives.



full or dense, but taut and careful. McCulloch's voice carries everything. "Rescue," released also on an EP, with its urgent phrasing and singsong melody, is the best track. But all the songs (notably "Villiers Terrace," and "Going Up") have a point to make and are experimental enough to avoid even suggesting "disposable pop." "Pride," a song about parental expectations ("Do something we can't do/Make us all proud of you") is another remarkable track, with compelling and complimentary guitar and rhythm lines.

For some reason, the British press has slotted the Bunnymen as a derivative band; I don't really see it—strong vocalization does not mean Jim Morrison-ripoff, the fashionable accusation. The Bunnymen aren't even like their "sister" bands, Teardrop and Wah! Heat. Echo and the Bunnymen are oddly ascetic musicians.

The Teardrop Explodes have a sound so rich and voluptuous that only a steady diet of Black Sabbath could render you insensitive to their debut LP, *Kilimanjaro*. What's nice about this album is that, like some ultimate breakfast cereal, it tastes good and is good for you, too. Clouds of dreamy synthesizer; candy floss guitar; meaningful, oblique lyrics. Julian Cope sings bravely, aggressively, but about being betrayed, lost, about dreaming and trying

to understand. One critic labelled album "bubblegum with a philosophy and emotional basis." It's such a weird combination that even its vague intellectual pretensions are inoffensive.

The Teardrop won't insult your intelligence ("Sometimes I wonder if I really living/Oh what is this feeling think that you're giving," has a certain literacy) but they'll also satisfy mindless craving for a little syrupy sweetness. The melodies (*tour de force* awards to multiple cuts, some of already released as top-of-the-dial singles: "When I Dream," "Treat Me," "Ha! Ha! I'm Drowning," and "Pop the Field") are engaging, even beguiling but they're not hooks—flycatcher characterizes the Teardrop's work. Groups trying to create the atmosphere discuss the things that Cope does themselves trivialized by the pop. Cope uses it to bring his ideas closer to realm of immediate feeling—it's quite an achievement.

Echo and the Bunnymen are a rigorous band, Teardrop are more accessible, but what a wealth of talent groups promise—enough vitality and spicacity to blow Bob Seger off the stage.

Sheena
Research by Spencer

Sellars'

The Cantata Singers perform Handel's oratorio, *Saul*, at Sanders Theatre, Feb. 11 and 16 at 7:30 pm.

Last Wednesday night Peter Sellars attempted to murder Handel. Fortunately, Handel's music is too great to be destroyed by his small-brained monstrosity. It will rise again another day, when Sellars is long forgotten, when someone with more than a micron of sensitivity and felling for Handel's music is able to do it justice.

The dramatic quality of Handel's work is in the music itself. It can rise from the depths of sorrow to heights of euphoria in instants. Perhaps it took the ultimate genius of Mozart to penetrate fully below the flesh, beyond even the human psyche and into the soul. But, Handel came pretty close. To the strains of a flute, an organ, a harp, the human voice pure, vulnerable, alone, can convey the fullest of emotions. Subtleties of voice inflection, of discretely-wrought key changes, can move to tears. But, there could be no tears for Sellars' production of *Saul*.

In a weak *apologia* in his programme note, he demonstrates his ignorance of the essence of the *da capo* aria which forms the basis of Handelian dramatic music. A *da capo* aria is, quite simply, one which starts with Statement A, moves to Statement B, but then, rather than moving on to C, returns to Statement A. In physical dramatic terms this could be said to hamper continuity; the fact that the aria is usually sung solo, with all attention focused on one singer is also highly unrealistic. In *musical* terms, though, it can be highly effective in drawing out a picture of

the character's emotions. Arias come as a series of individual set-pieces, each one a rounded portrait. The music provides the links, the dynamic that makes the drama live.

Handel did write operas. And, given careful treatment they can be successfully staged so as to allow the music to speak for itself. The Handel Opera Society in London has for years produced brilliant stagings of Handelian opera. For oratorio, however, they stick to—equally brilliant—concert performances. *Saul* is an oratorio.

soulless

It was never meant to be staged. Physical action can only detract from the drama of the music. It is this basic concept which eludes Sellars. His production is full of cheap gimmicks: presumably some perverse attempt to give "reality." Thus, the singers are in modern dress, Merab reads *Cosmopolitan*, the High Priest wears a Christian clerical collar and plays golf, and Saul, smoking a cigarette, speaks to Samuel, whom the local witch (while imbibing a can of Tab) has kindly summoned by telephone. The latter appears, of course, on a television screen.

Handel's skill as a composer enables him to evoke the most powerful impressions of love, and lust. Physical expressions of such in fact lessen the effect because it becomes merely visual—crudely physical—rather than a sublime intellectual experience. David's animal desires for his wife to be and embraces of her are, far

from being poignant, pointless. Jonathan's act of stripping off his evening dress (to show that barriers of class have no meaning to him), approaching David from the rear, and putting an arm round his neck, suggest a love that might not be quite Platonic, and sent peals of laughter through the audience.

At times the music did shine through. Towards the end, there were moments of gravity: the *Dead March* was solemn, the ensuing chorus and tenor and soprano arias dignified. Sellars couldn't let the piece end like that, however, and insisted on having a tape-recorder spew tape onto the stage, and the Chorus stamp backwards and forwards for the final number, simultaneously firing toy pistols.

That this effort is a sad waste is amply brought out by the fact that orchestral playing under Craig Smith was excellent, and some of the singers would have had potential had not their concentration been distracted by the spurious nonsense imposed upon them. Don't get me wrong: I find it essential for performers to act as well as sing when performing work of later periods, where music of itself is no longer enough. But, Sellars' version of "realism" is hideously wrong here.

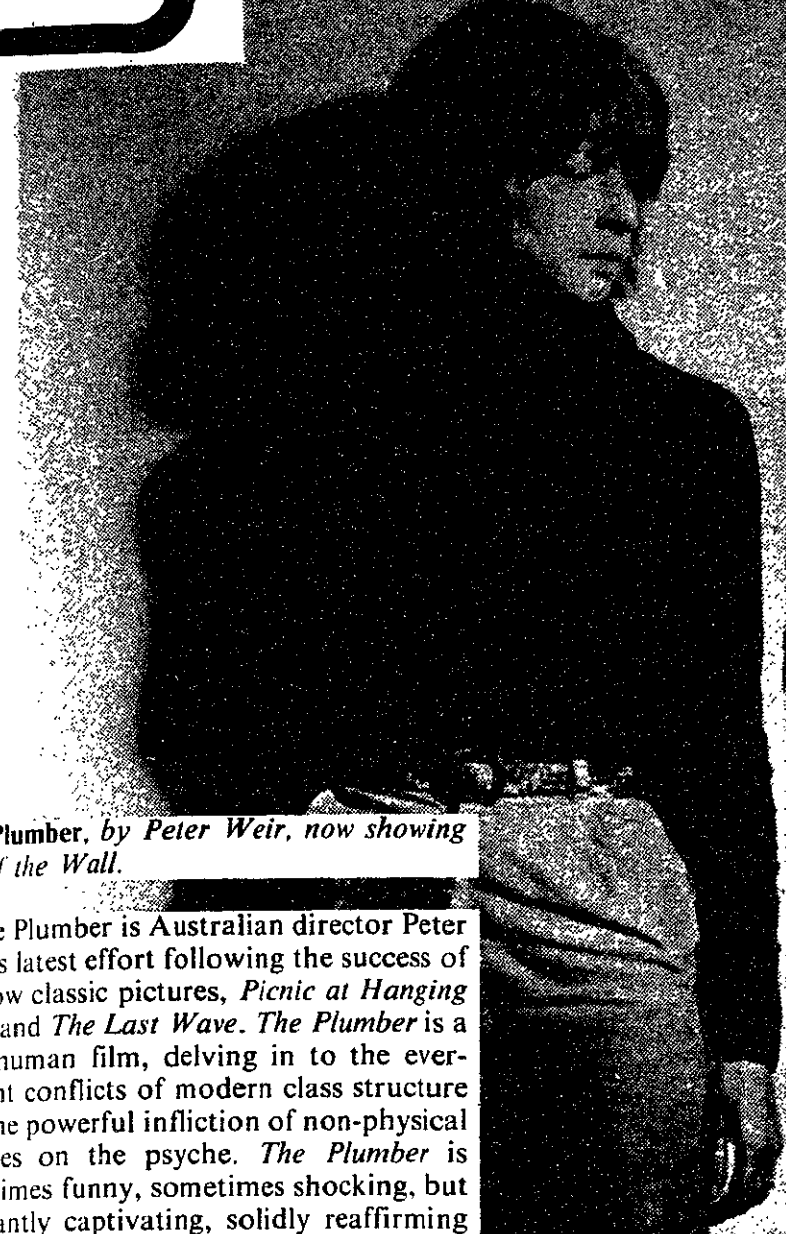
Saul

This *Saul* may be good for a laugh; but Handel is so much more, and to laugh during his moments of greatest emotion is to degrade his mastery.

Jonathan Richmond

IS

It's the plumber...



The Plumber plays on the basic incompatibility of scholastically educated intellectuals and the blue collar working class in the perspective of urban Australian society. There are many sexual elements in the film which put the conflict in an accepted frame. When Max first surveys the bathroom, the camera shows us in direct succession a package of birth control pills, female underwear on the shower rod, and a seventeenth century print depicting copulation. At first our sympathies are with Max and one feels that she actually wants him to rape her, but when he denies his jail sentence and we realize his game, the scales tip back. When the bathroom erupts, he has truly become villainous.

Weir has done a remarkable job in putting life into a tale that basically takes place in one confined space. The angles are well chosen and scenic composition is clean and relevant. The actors are not greatly challenged in their stereotypic roles but they seldom break out from the established molds of the characters. The believability of the story is stretched to an extent but the interaction of Jilly and Max only becomes interesting as it gives credibility to their bizarre situation.

A little bit disturbing, but constantly intelligent and interesting, *The Plumber* provides a good divergence from the pablum being dished out from Hollywood in recent months. Originally released for Australian in 1978, *The Plumber* makes its New England debut this week at Off the Wall Cinema, 15 Pearl St., in Cambridge. Almost any film is enjoyable in the cozy cafe atmosphere of Off the Wall, so grab a slice of carrot cake and a cup of Red Zinger herb tea, sit back, and wait and see if you really want that leaky faucet fixed.

Mark DeCew

The Plumber, by Peter Weir, now showing Off the Wall.

The Plumber is Australian director Peter Weir's latest effort following the success of his now classic pictures, *Picnic at Hanging Rock* and *The Last Wave*. *The Plumber* is a very human film, delving in to the ever-present conflicts of modern class structure and the powerful infliction of non-physical tortures on the psyche. *The Plumber* is sometimes funny, sometimes shocking, but constantly captivating, solidly reaffirming Weir's standing as the leading director from down under.

Brian and Jilly Cowper (Robert Colby and Judy Morris) live in unit 15C of a university apartment block. Brian is a medical researcher studying a supposed nutritional disorder in an outland tribe while Jilly works alone at home to complete her masters thesis in anthropology. One day, she answers an unexpected knock at the door and meets Max ... the plumber.

Max (Ivar Kants) forces his way into Jilly's life and for the next five days overcomes her mental anguish. A routine inspection turns into a major overhaul and a maintenance man becomes a thorn in her side. Jilly is at first curious about Max's carefree, somewhat sarcastic mannerisms and tries to stay aloof of his presence. As the work drags on, and the bathroom becomes a glut of scaffolding, clamps, and pipes, he uses his sly confidence and cunning verbal tactics to manipulate her to his liking.

He confides in her that he once was in prison, not for rape as he first tells her, but for burglary. The next day he denies it and his control over her intensifies. She can not convince her husband or her friend Meg (Candy Raymond) that the repairman is wreaking havoc on her nerves. She fights back, though, and forces him to finish the work. Just as she is feeling at ease, however, the pipes burst everywhere and Max returns. The picture ends in a very predictable way, though it is not an unrealistic disappointment as Jilly finds her revenge.

27

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Sector 27: Robinson at his best



This is not to say that Sector 27 puts out Top of the Pops rock. Hell no! Tom and Co. have continued the musical progression from *Power in the Darkness* to *TRB Two* and have realized that a pop tune need not be a four-chord bash-your-brains-out rocker (as much of TRB's first effort was). Tom is the only survivor from TRB here and he's relinquished bass duties to Jo Burt, and has cut out the keyboards that Mark Amber handled so well.

Closing out side two is "One Fine Day." It's a fine bit of daydreaming about how one day, everything will turn up roses, "when I'm underground." Another nice break from the list of things-to-be-to-a chorus of "It's just a matter of time." That's how the drums, building up a layer at a time, adding backing vocals and the bass and guitar, then dying to the vocals a capella, with a little bit of echo. Very pretty.

Sector 27, Tom Robinson on IRS Records. The Clash kept their political bent, changed their brand of music and caught shit for it from their initial followers. Robinson Band dissolved, Sector 27 formed, and Tom lost his taste for writing thought-provoking political tunes. What of it?

Sector 27 bats 909 on this disc—ten of eleven. The only clinker is the opening cut "Invitation: What Have We Got To Lose?" It's a little too laid back for me and the mysterious invitation from the "other side" doesn't pique my curiosity. If you like temptation, read *Faux!*

As for good stuff, take "Total Recall." Ever wonder what your CIA folder looks like? Everything we fill in on a form goes into your file, they say. But, "memories only know what they're told." It should get a lot of airplay, since it's got all the marks of a hit: light drums, tight bass line and great guitar work.

"Take Or Leave It," another song about the horrors of being in the biz, is more on the lines of "Maneuvers" by Graham Parker lyrically and the Clash's "Hillsville UK" musically. If you fancy a life as a lobster there are plenty of parts of the sea. It might be nice coming in for a bite. Paying your dues you got nothing to lose. But an arm and a leg if you're free.

Then there's "Bitterly Disappointed." I adore this song. How many of you have come home from a bad semester at the school and had your folks rail at you about bad a failure you are? There are points here—although I know there isn't. There's an incredible transition from the rocking parental harangue to a melodic hue-and-cry of "You're no son of mine." Really nice, and too many nice lyrics to repeat.

The orchestration is excellent. Without exception, none of the songs gets boring. The best examples of Tom's expertise is in "Not Ready." Usually, during a solo, the drum keeps up a steady beat except for a few flourishes. Not here. The drummer's kept busy, changing the percussive background every eight bars. An excellent first outing for Sector 27. Rock on!!

Eric A. Sohn

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The persistence of FM, the joy of Foreign Exchange

*City of Fear, FM on Visa Records.
Foreign Exchange, Ben Mink on PVC
Records.*

1978 marked the debut of FM, a Toronto-based progressive rock trio. Their Album *Black Noise* was a welcome relief from ELP and similar clones — FM avoided the standard bass/drum/keyboard formula by substituting an electric violin/mandolinist for a bassist. The violinist, Nash the Slash, was responsible for FM's unique sound, and his departure for a solo career seemed to signal the band's demise.

Not willing to let their hard earned success slip away, the remaining members of FM recruited a new violinist, Ben Mink. The album that followed this addition, *Surveillance*, was a pitiful attempt to recreate past glories. Once again FM was written off, but they're back again with a new release.

City of Fear is proof that FM will never recover from the loss of Nash the Slash. The band has become the vehicle for keyboardist Cameron Hawkins and his Yes-influenced songwriting. Nothing on this album works, and only the title cut comes close to recapturing the band's original sound. Expert musicianship, lots of special effects, shorter tunes, even Larry Fast's production — nothing saves this waste of vinyl. When the critics dismiss FM this time, maybe they'll listen.

Foreign Exchange, the Ben Mink solo album, arrived only days after I heard FM's debacle. I couldn't imagine a worse fate than having to listen to more insufferable trash. "If I don't listen to this record immediately," I thought, "the task will hang over my head like a Damoclean sword. Might as well get it over with." So, I tossed the disc onto the turntable and decided to listen to it while I folded my laundry.

You can't fold laundry to this album. It actually requires active listening. Mink assaults your ears with one surprise after another, all of them interesting. In less than forty minutes, he manages to display his virtuosity and cite his influences in the form of excellent original compositions. The rasping violin on "19.95 plus tax" evokes early Mahavishnu Orchestra tunes, while the title cut hearkens back to eastern European folk dances. The entire record is a delight to listen to — a fine alternative to Jean-Luc Ponty's recent noodlings.

Mink is ably assisted by various friends, including Cameron Hawkins and Martin Deller of FM. Like the records made by his full time band, Mink's record is polished by expert musicianship and production, but the obvious difference between Mink and FM is his ability as a writer. Hmmm ... What if Mink took over FM?

David Shaw

THEATRE

MIT Dramashop presents *Uncle Vanya* by Anton Chekhov; performances are on Friday, Feb. 13 and Saturday, Feb. 14 at 8pm. Admission is \$3.50/\$3 with a student ID; for reservations call 253-4720, for information call 253-2877.

Peoples Theatre presents Rosanna Yamagata Alvaro's *Behind Enemy Lines*, a drama about Japanese Americans confined by Executive Order during World War II to one of California's segregation centers. Performances take place in the Peoples Theatre (1253 Cambridge Street, Inman Square), and run through March 8 on Thursday, Friday, and Saturday evenings at 8pm, and Sundays at 6pm. For information call 354-2915.

Rodgers and Hammerstein's *Oklahoma!* opens this weekend at the Metropolitan Center for a four week engagement ending March 8. The performance schedule will be: Tuesday — Sunday at 8pm, matinees Saturday at 2:30pm and Sunday at 3pm. For tickets and information call 542-3600.

ON THE TOWN

MOVIES

The Big Fix, the Mid/Nite Movie, Saturday, February 14, second floor of the Student Center.

This weekend's LSC lineup:

8 1/2 (Classic), Fri., 7:30, 10-2:50.

The Shining, Fri., 7 & 10, Kresge.

Thunderball, Sat., 7 & 10, 26-100.

The Godfather, Part II, Sun., 6 & 10, 26-100.

The Cinema Society of Cambridge presents *I Was A Teenage Werewolf*, the latest installment in the Fabulous Fifties Fantasy Film Festival. Michael Landon stars in this fascinating mixture of juvenile delinquency and horror story. Screenings are on Monday, Feb. 16, 7:30 & 9:30, at the Ding Ho Restaurant, 13 Inman Street, Cambridge. For more information, call 661-7701.

Center Screen presents the 15th International Tournee of Animation, February 13, 14, & 15: 5:30, 7:30, & 9:30pm, at the Carpenter Center for the Visual Arts, 24 Quincy Street, Harvard University. Admission \$3, for further information call 494-0200.

ARTS

notes

Lectures

The United Nations Association of Greater Boston is sponsoring an International Careers Forum on February 28 to inform students of the many international careers available in the public and private sectors. Seminars will be held on topics such as law, journalism, banking, and non-profit organizations. Those interested should contact Elizabeth Reed in the Career Planning and Placement Office as soon as possible.

* * * *

A Community Energy Planning Forum will be held on Thursday, February 19, at Lincoln Park Community School, 290 Washington St., Somerville. The subject is "Community Research in Energy Planning." Speakers include Scot Bass of the University of Massachusetts College of Public and Community Services and Arnold Nadler of Nadler Energy Consultants.

* * * *

The National Association of Independent Schools (NAIS) will hold its Annual National Conference at the Sheraton Boston Hotel, for teachers, administrators, trustees, parents, and alumni. Workshops, seminars, speakers, exhibits, and panel discussions will be held on all aspects of elementary and secondary education. Attendance fees are \$20 for members and \$30 for non-members. Those interested should contact Anne Rosenfield, NAIS, 18 Tremont St., Boston, at 723-6900.



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Design, VLSI Device Structure Design, VLSI Process Development, Integrated Circuit Application Engineering, Integrated System Architecture and Integrated Circuit Software Design. Technical Recruiters will be on campus Wednesday and Thursday, February 25-26 to conduct interviews. Contact your campus Placement Office for the exact time/place and to make an appointment. Or, if you want to talk to us right away, call 1-(800) 334-8529, or send a resume to GE Microelectronics Center, P.O. Box 13049, Research Triangle Park, N.C. 27709.

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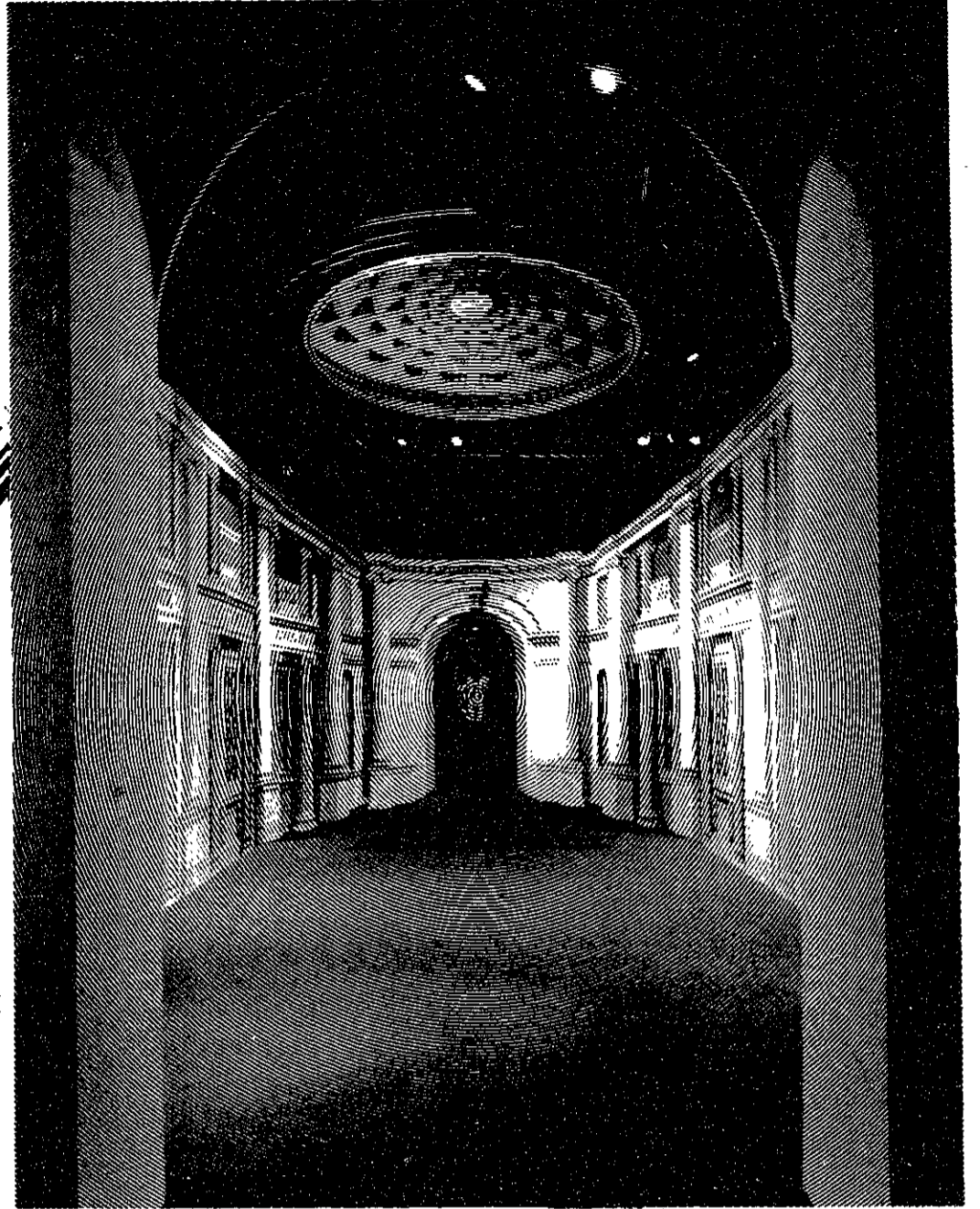
At home, feel like a tourist

There's so much to see at MIT on the arts side of things, I just don't know how you guys avoid it all! You could find (ward) just by sashaying down the Hayden Corridor Gallery, where the Hayden Committee on the Visual Arts has set up a delightful exhibit entitled "Artists' Gardens and Parks: Plans, Drawings, and Photographs." A tidy, pleasant exhibit of a set of artists' daydreams "Parks and Gardens" highlights the imaginative work taking place in a somewhat neglected field. Each garden is at least a partial encapsulation of each artist's whole oeuvre. Jean Dubuffer's "Salon d'Ete" is a puzzle-like assemblage with its own shallow pool. Mary Miss's stucco-concrete-beams park structure is another of her examinations of performance-related spaces as art. Richard Fleischer's plan for a park at the Alewife

MBTA station uses his favorite motifs of prehistoric fortifications; all are signature efforts. Be sure to look for Martha Schwartz's endearing "Bagel Garden," based on the unassailable concept that bagels are easier to maintain than any plant. And while you're there, drop in on the Hayden Gallery. Through March 1, "Rooms" is on display, an installation by Cynthia Cohen. Richard Artschwager, and Richard Haas. Carlson's cake-icing floral concoctions form a wall-paper framework ("Tough Shift for MIT" is the title) to Artschwager's bizarre "Executive Elevator" and Haas's Pantheon imitation. "Hall of Fame—MIT." The juxtaposition of these works affords an eerie and suggestive commentary on life at MIT. With this kind of accessibility, there is no excuse not to take a look for yourself.

Sheena

ARTS



(Photo courtesy of MIT Committee on the Visual Arts)

notes

Announcements

On February 25, from 2 until 4pm, the Director of the Environmental Intern Program will hold an informational meeting in the Emma Rogers Room, 10-340, to answer questions about the program's paid summer work opportunities for undergraduates and graduate students interested in environmentally related fields. The internships are within government agencies, corporations, and other non-profit organizations. Program descriptions and application materials are available in the Career Planning and Placement Office, 12-170.

* * * *

A Pro-Life Community is being formed at MIT to foster respect for human life and to defend the right to life for all human beings, born and unborn, through various educational, social, and other activities. For additional information, contact C. Marino, 39-627, x3-2691.

* * * *

GAMIT is having a pot luck dinner Sunday, February 15, at 5pm in the GAMIT lounge, 50-306 (Walker). Bring a dish or \$3.50.

* * * *

The Undergraduate Academic Support Office is currently revising Chapter 10 of the *Freshman Handbook*, "Extracurricular Activities." Any group interested in being included in this chapter that has not already received a memo from the UASO should inquire at Room 7-105 before February 20.

* * * *

Applications for advance degrees to be awarded in June 1981 must be returned to the Registrar's Office, E19-335, no later than Friday, February 20, 1981. A \$20 fee will be charge for processing any application received after this date.

Lectures

Israeli Parliament member Rav Chaim Druckman will speak on "Jewish Settlements in the West Bank" at 8pm, Thursday, February 19, in Room 9-150. This lecture is sponsored by the MIT Zionist Alliance and the MIT Center for International Studies.

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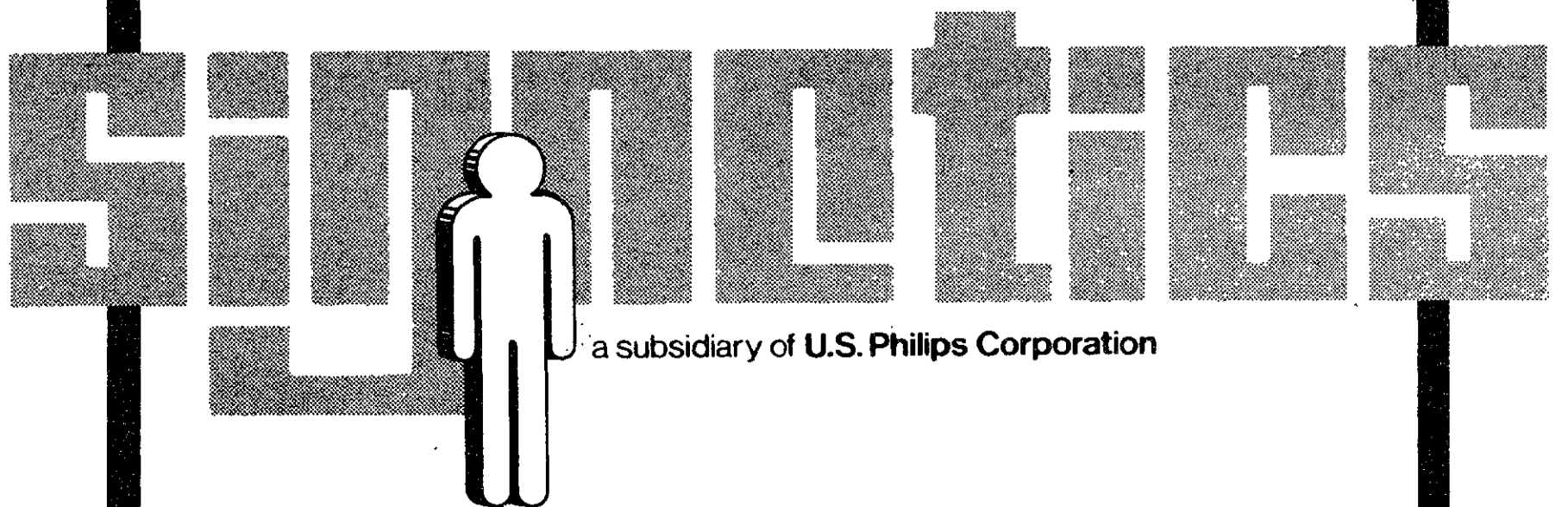
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The Good People Company





Will Doherty '84 and co-defendant Elizabeth Davidson celebrate their acquittal on charges of being "idle and disorderly persons" (Photo by Steve Cohen)

Three found guilty fifteen acquitted

(continued from page 1)

Packer, a member of the Massachusetts Bar and the National Lawyers' Guild, a Vietnam veteran and anti-draft protester, was identified during the trial as a "ringleader" of the protest, an allegation modified by Boyle at the objection of the defense. Packer was instructed by the bench to leave the defense's table in the court.

During a recess following the not guilty verdicts for the fifteen defendants, Prosecutor Ray Buso said, "If they let out the others — they might as well let them [the remaining three defendants] go." After the guilty verdicts were handed down, Buso did enter a motion that the case be "continued without finding" — which would allow charges against the three to be dropped in three to six months if they were not arrested during that time. Judge Feloney refused the motion, and fined Hussock and Neilson \$125 each. He fined Gordon \$250, the maximum allowable, despite Gordon's claim of indigence. All three immediately filed documents necessary to appeal the case to a jury of six on February 24.

Some of the acquitted co-defendants were shocked at both the guilty verdicts and the severity of the penalties imposed. Doherty and Elizabeth Davidson expressed the view that the decision was political in nature, motivated not by an interest in justice, but in political vengeance. Gordon pointed out that he was known to the Cambridge Police, and Judge Feloney alluded to the fact that Gordon had been before the court on several previous occasions. All previous charges against Gordon had been dismissed, however.

Said Gordon in his closing arguments, "I was there . . . identified as being at this demonstra-

tion. The only thing the police were able to do was to prove I was there." He and the other two convicted defendants, who along with Mlot-Mroz were the only defendants to argue their own cases without counsel, cited their First Amendment rights to freedom of speech and peaceable assembly. They claimed that they, along with Mlot-Mroz who was also identified and was acquitted, were entitled to equal protection under the law.

Robert Hernandez, defense attorney for twelve of the protesters found not guilty, and a member of the Boston Alliance against Registration and the Draft (BARD), the Parents Against the Draft, and the National Lawyers' Guild, was unsure if any further action would be taken by his clients. However, one of those acquitted, David MacMillan, a Harvard Divinity student and Assistant Minister at the First Parish (Unitarian-Universalist) of Cambridge, did raise the possibility of civil action against the Cambridge Police for false arrest or harassment.

A minor incident arose outside the courtroom when officers of the court refused to allow the acquitted defendants to enter the courtroom to observe the continuing trial of Gordon, Neilson and Hussock, claiming that Judge Feloney had ordered them out. During a recess, a bailiff spoke with Feloney in his chambers and instructed the officers to allow the group back into the courtroom.

In a related story, twenty-one persons, including at least one of those acquitted yesterday, face sentencing February 24, after having been convicted in Federal District Court on charges of "obstructing the corridors of a federal building," in connection with a sit-in at the Boston Post Office January 5.

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CAMPUS INTERVIEWS February 23

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Course VI co-operative program cutback

By Tom Lored

Despite a large demand from industry for students involved in Electrical Engineering and Computer Science cooperative programs, Course VI-A will be cutting back acceptances to their cooperative program by more than 13 percent over the next three years.

The pressure for this cutback first came from the Graduate Committee last year. 70 percent of the undergraduates enrolled in VI-A enter MIT graduate school as part of a five year program leading to a Master's degree. These students represent 15 percent of the Electrical Engineering and Computer Science graduate class.

The Graduate Committee, headed by Professor Arthur C. Smith, felt that this high percentage unnecessarily decreased enrollment from other sources, said Professor John Tucker, Director of Course VI-A. Rather than limit graduate enrollment from VI-A by increasing the cumulative average needed for graduate admission, it was decided that undergraduate enrollment

in VI-A should be decreased from its present 288 students to 250 students over the next three years.

Another factor influencing the decision to decrease admission is the increasing student-faculty ratio in Course VI. Over the last few years enrollment in VI has grown steadily, while the Course VI faculty has grown only from 110 to 115 persons in the last decade due to budget and tenure restrictions. The faculty has "reached the saturation point" according to Tucker.

Tucker noted that VI-A is different from any other cooperative program in the country because of its degree of faculty involvement. Every location at which students are employed has a faculty member assigned to it as an advisor. There are 30 such advisors now, each of whom must visit the company in his jurisdiction to check on student progress. In addition, faculty members must supervise thesis work for every student in the course. Since the time commitment asked of the faculty involved with the VI-A program is so high, cutbacks in

VI-A admission will help alleviate Course VI faculty problems.

Despite the cutback, Tektronix has just been added as a new sponsor company in the VI-A program. Tektronix and all other VI-A co-op companies will be recruiting on campus March 3 and 4.

Pre-trial date set for murder suspects

By Tom Lored

A pre-trial conference for the three suspects in the murder of Assistant District Attorney Edward T. Bigham III will be held on February 27.

Henry McClendon, 23, of Boston, and Alvin Carter, 20, of Roxbury, were arrested at 10am on Monday, February 2, by officers of the Boston Police and the Metropolitan District Commission. The third suspect, Arnold Evans, 20, was arrested at 8pm the same day in Marion Station, Maryland by officers of the Maryland State Police. He was extradited to Massachusetts the next day to join McClendon and Carter at the Middlesex County Superior Court for detention.

McClendon pleaded innocent to the charges at his arraignment before Middlesex County Superior Court Judge Francis J. Good. McClendon and Carter are being held in lieu of \$100,000 bail

and Evans is being held in lieu of \$200,000 bail, according to Middlesex County First Assistant District Attorney Howard Whitehead.

The three suspects are all charged with one count of first degree murder, two counts of armed assault with intent to rob, and one count of assault and battery with a deadly weapon for the fatal shooting of Asst. DA Bigham. Bigham was shot on the night of October 2, 1980 while repairing his disabled car across the street from the President's House at 111 Memorial Drive.

All three suspects have obtained attorneys for their defense, according to Whitehead. Whitehead refused to comment on the suspects' previous criminal records, maintaining that the DA's office is limiting their press releases to prevent claims of pre-trial publicity.

Sciences may suffer

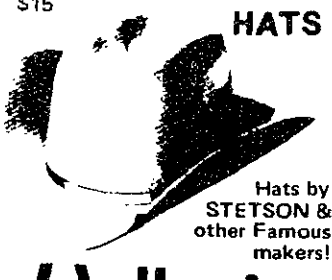
(continued from page 1)

know." The Congress will determine whether or not they should be approved. Alberty also stated, "you can't tell in advance how these things will affect any one institution."

In addition to the NSF cuts, which directly concern MIT, OMB has proposed a \$629 million reduction in the National Aeronautics and Space Administration (NASA) budget. Project Galileo, a future unmanned mission to orbit and land on the planet Jupiter, would be eliminated, and an orbiter to be sent to Venus would be deferred to a later year.

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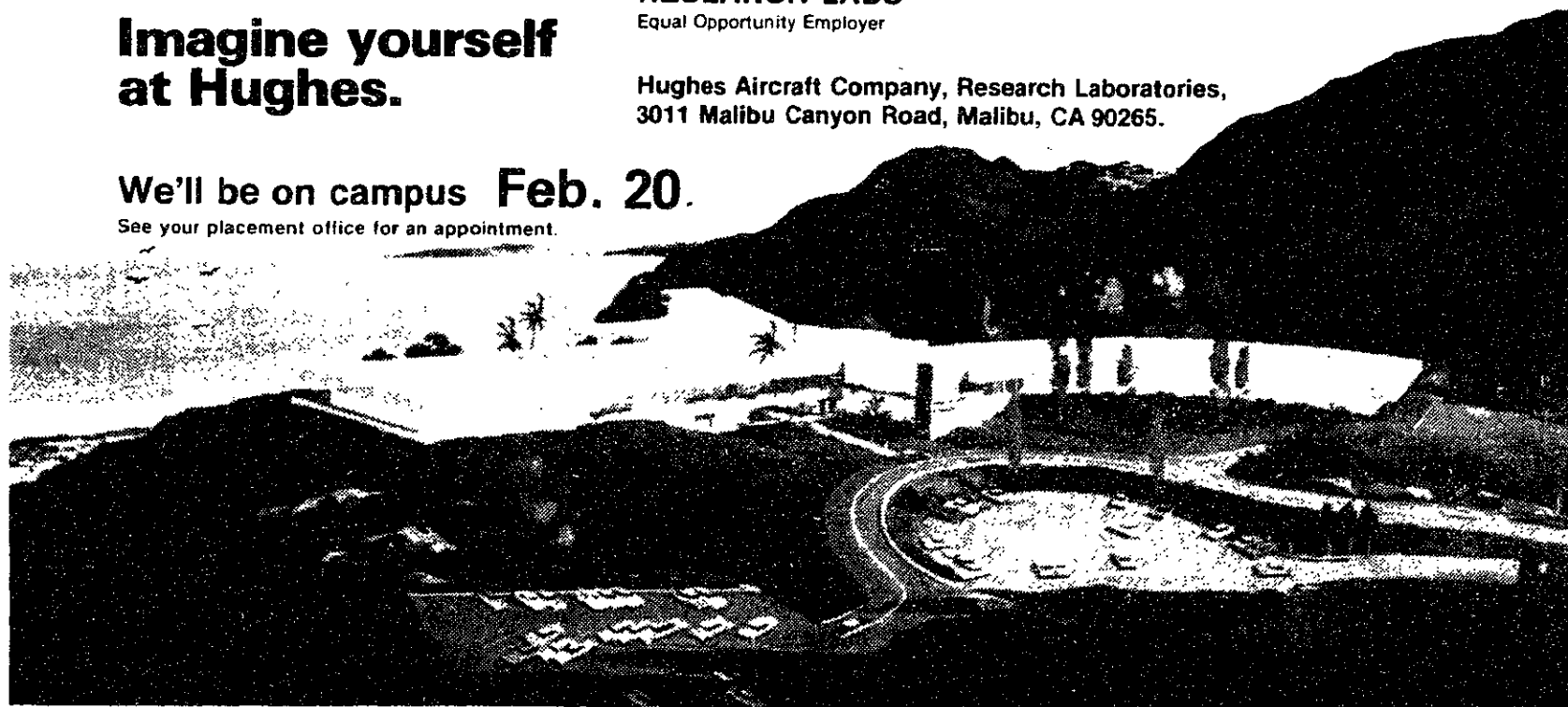
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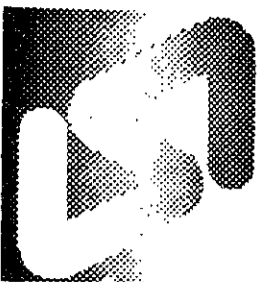
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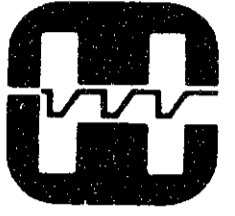
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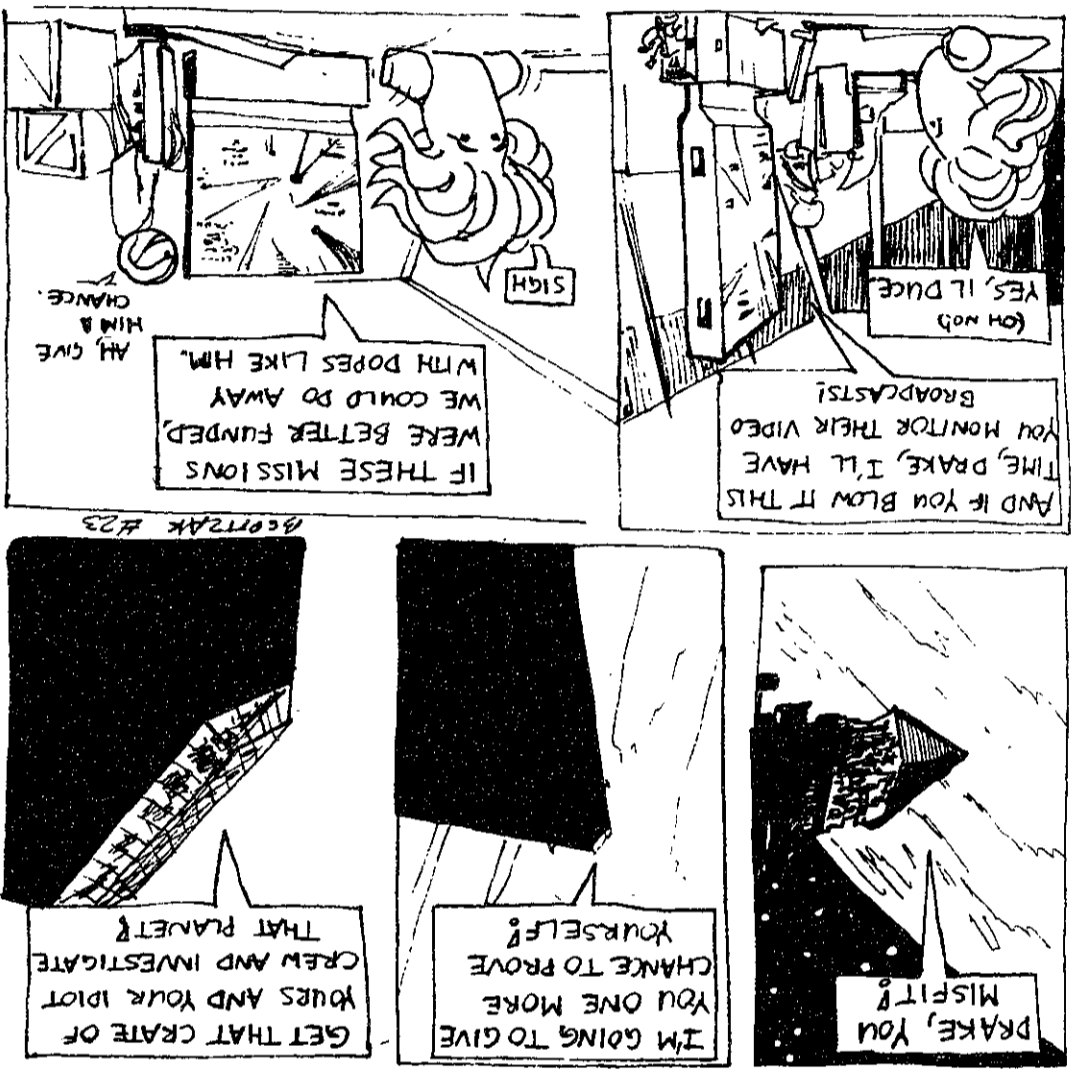
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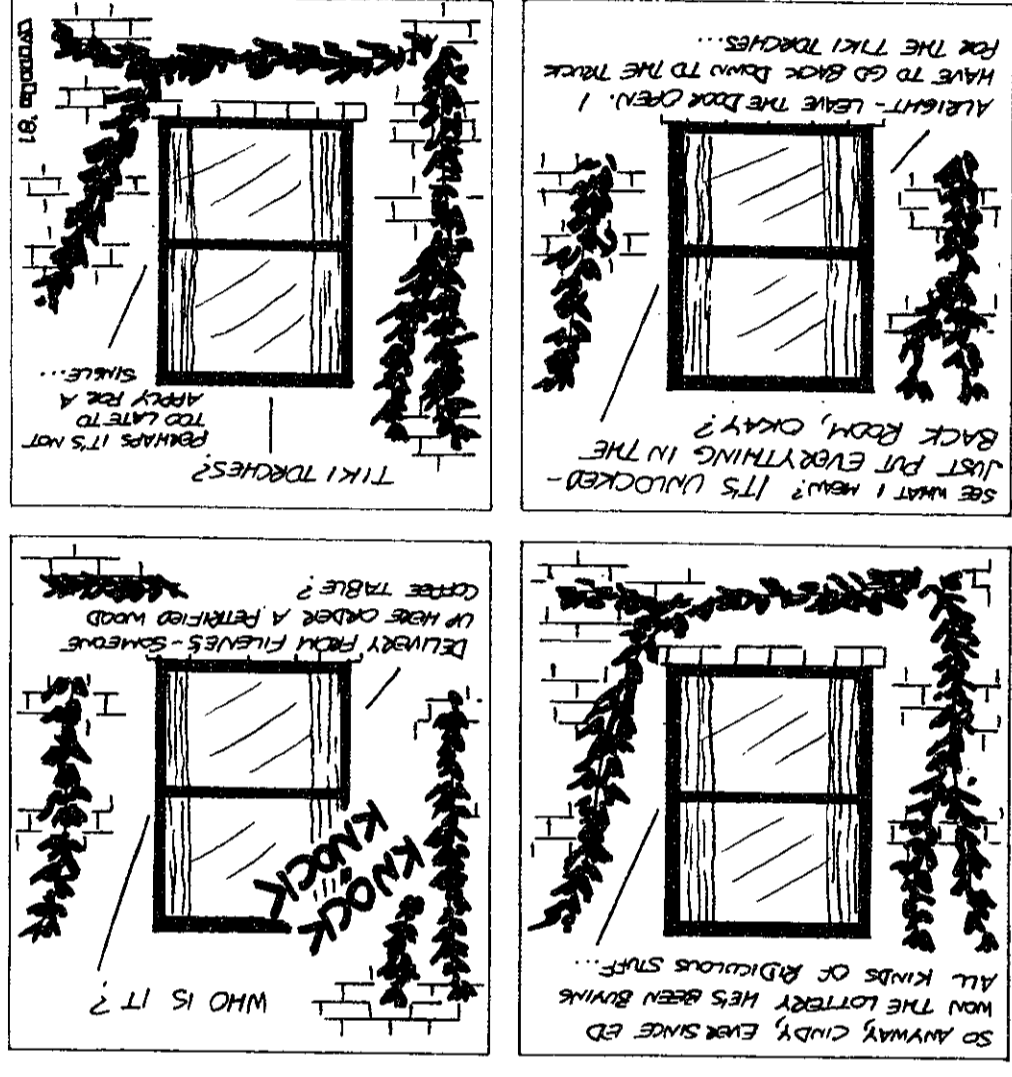
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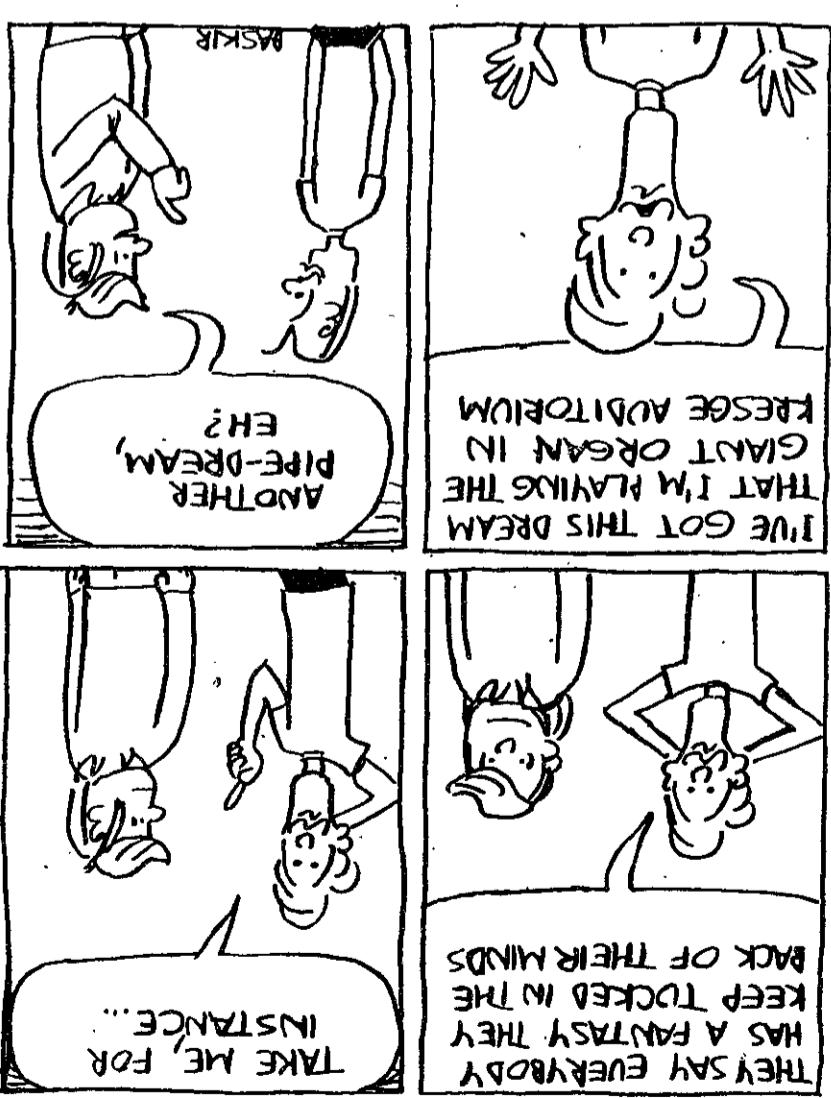
Space Epic
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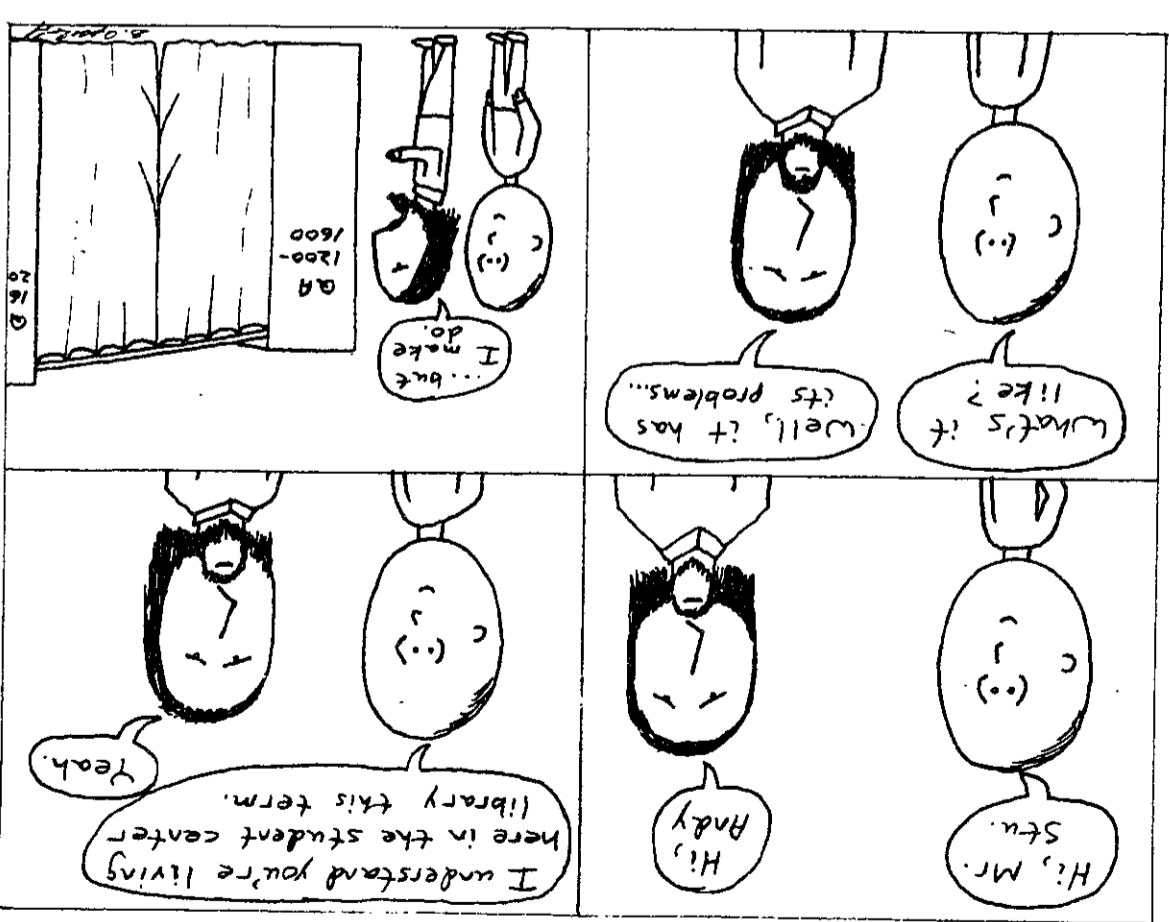
Outside Looking In
By V. Michael Bove



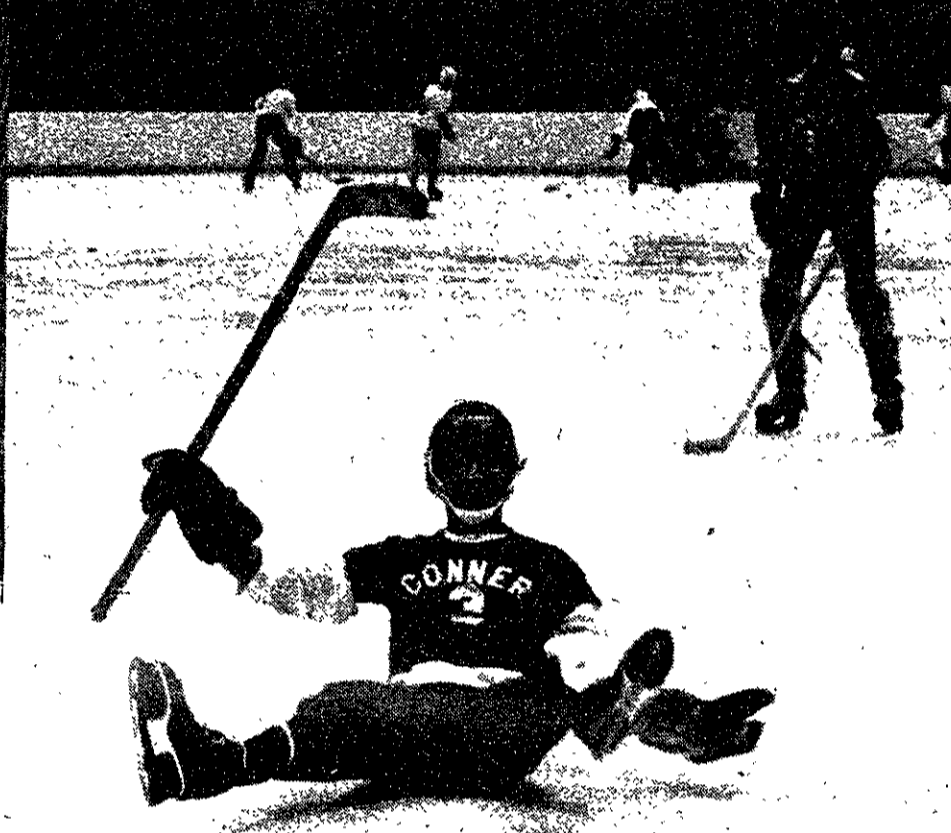
Stickles
By Geoff Baskir



Mr. Stu
By Glen Apseloff



COMICS



During the evening, at the ice rink, departmental and student living groups get to show their skill in the intramural hockey competitions. Wednesday evening the Conner 3 team outskated the Material Science graduate students to a 2-2 tie.

photos by Jon Cohen

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Monday, March 2

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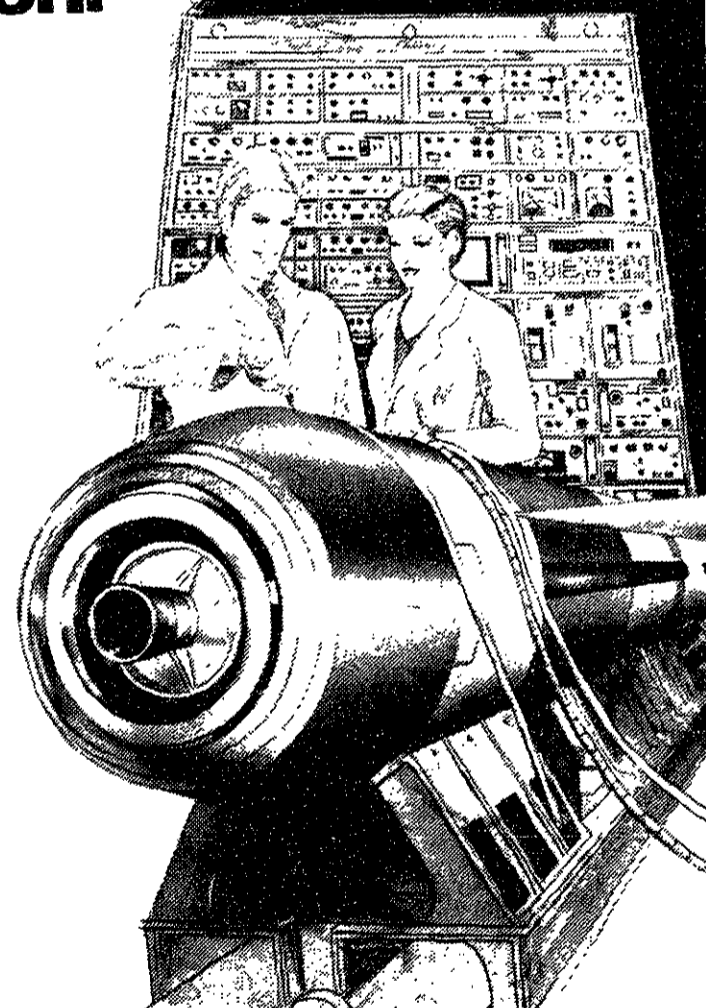
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sports

Teams must supply refs to save IM BBall season

By Eric R. Fleming

An emergency meeting of all IM Basketball captains and team representatives was held Tuesday evening, with the prospect of scrapping the remaining month of the schedule looming ahead.

Due to a lack of referees, over 50 games have been cancelled to date, according to a letter to all captains submitted by Kevin Coffey, this year's basketball manager. The revised schedule calls for two "Super Sundays" on February 22 and March 1, in which nearly 100 games are slated to be played. None of these games are to be rescheduled. Also in-

cluded in the new plan are provisions to have A and B league teams supply referees for the lower league games. Assistant manager Andy Siciliano noted that these officials will not be paid, but that individuals can sign up to serve as paid refs. Failure of a team to supply officials will result in that team being assessed a forfeit and a \$20 fine, with two such infractions resulting in the termination of the team. When questioned about the fact that team-supplied officials would not be paid, Siciliano said, "It's a small price to pay for saving the season."

Fencing splits pair

By Nicholas Rowe

The men's fencing team administered a severe trouncing to Brown yesterday by taking 24 bouts to Brown's four. Tech fencers swept all three events (sabre, foil, and epee) in a very lopsided contest.

In the foil event, MIT took seven of nine bouts. Jim Friedah '81 and Oscar Estell '83, members of last year's Iron Man Trophy foil championship team, had little trouble disposing of their opponents. The fact that the third member of last year's championship team, Eric Debeus '82, was sidelined with an injury did not seem to make a major difference.

The major story of the night concerned Brown epeeist Henry Chang. Chang figured to be a major factor in Brown's attempt to secure a victory; however, he dropped three close bouts for a very frustrating evening. Chang fell victim to Geoff Pingree '81,

MIT's top fencer, and Ray Holden '83, which secured MIT's victory.

MIT continues to prove that it is one of the top teams in the East. The team easily showed this last year when it won the New England Collegiate Championship without losing a single bout.

The women's fencing team was not so fortunate, dropping a 9-7 squeaker to the Bruins. Nancy Robinson '81 performed commendably in a losing cause, taking four of four bouts. This match also saw an interesting matchup between Robinson and Chris Golde, Brown's top female fencer. Last December, Robinson defeated Golde for the New England Intercollegiate Championship. This time, Golde was foiled in her attempt for revenge as Robinson mustered a small victory.

Both squads face a tough challenge this Friday, when they face Cornell here at 7pm.

sporting notices

A pair of IM athletic chairmen's workshops will be held Monday, February 23 at 7pm and Tuesday, February 24 at 7:30pm, both in 4-370. All new chairmen must attend one of these two meetings. In addition, all chairmen who served last term must file a new information card in the IM Office by Friday, February 27 at 5pm.

* * * *

Intramural volleyball rosters are Friday, February 20 by 4pm in the Intramural Office. The

season will begin Sunday, March 1, with matches scheduled for Sunday through Thursday at 7, 8, and 9pm. There will be A, B, and C Leagues (all coed), with a women's C league division. Questions should be referred to Rick Norton at dl7316, or the Baker Desk (x3-3161).

* * * *

Prospective officials for volleyball should attend the meeting scheduled for Thursday, February 26 at 7:30pm in 4-270.

weekend preview

Another big weekend is in store for Engineer sports, with the action being highlighted by basketball and wrestling.

Basketball — Following a 55-43 win over Suffolk Wednesday, the men's squad takes on Clark (top-ranked in New England Division III, and fifth-ranked in the nation) Saturday night in the Cage. The win assured the Engineers of their second straight winning season. At 12-8, MIT has an outside shot at post-season play, but it must win at least two of its remaining three contests.

The women's team has found the winning formula, having won its last three over Wellesley, Nichols, and Pine Manor. Coach

Jean Heiney's troops travel to Trinity Saturday, and face Brandeis at home Wednesday.

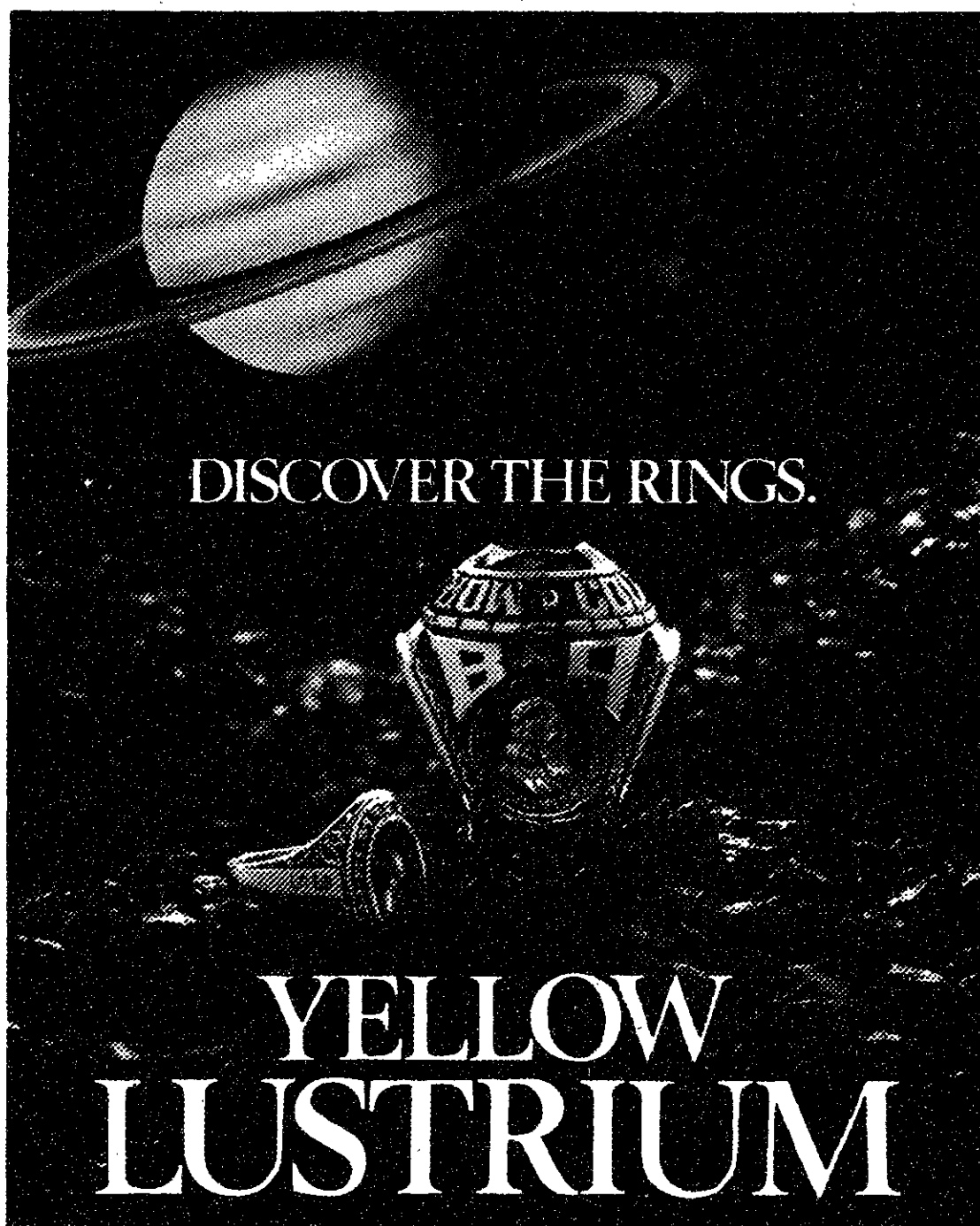
Wrestling — First year coach Tim Walsh has effected a big turnaround here, as the Tech matmen stand at 9-8 going into this weekend's tourney at Plymouth State. Frosh Ken Shull continues to stand out for MIT, having won all 13 of his contests in the 134 and 142-pound classes. Other to wrestlers include Steve Leibiger '83 (167), Tom Tiller '83 (142 and 150 pounds), and Mike Hunter '84 (126). Walsh, the former coach of a strong Amherst group, has brought his magic to MIT.

Pistol — MIT has had a strong team for years, and 1981 is no ex-

ception. Tech takes a 2-1 mark into a tri-meet with Navy and WPI here Saturday at 9am.

Hockey — The Engineers (or Beavers, if you ask a squad member) continue to roll along, having won seven straight. Clark may be the next to bite the dust this Saturday at 2pm (a time change from 7pm) in the Athletic Center.

Other teams in action this weekend include men's and women's swimming vs. Amherst (Alumni Pool, 2pm), gymnastics (men at Lowell, women at Salem State), indoor track at Bowdoin, fencing at home vs. Stevens Tech and Wellesley, and squash here with Fordham and Wesleyan.



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