

## Group will study research funding

By Julio Freidmann  
and Mathews M. Cherman

Chairman of the Faculty Arthur C. Smith is organizing a committee to study the history and effects of military and military-related research at MIT.

Professor Vera Kistiakowsky proposed the Committee on MIT Impact of Military Support of Research and Education, the unofficial name for the committee, in a March letter to Smith.

She expressed her and other faculty members' concerns about an apparent trend of increased research funding from the Department of Defense (DOD).

Five faculty members and two students, a group "small enough to meet regularly; a workable group," will serve on the committee, Smith said. The group would receive funding for their research "within reasonable requests," Smith added.

Kistiakowsky expressed reservations over the size of the group. "I think it will be found

practically that the committee is too small," she said. Kistiakowsky would like to see four students in the study group.

Smith is compiling a list of faculty members and students to serve on the research group. The faculty will select committee members at its May meeting.

Robin Wagner G, a representative to the Committee on Educational Policy, requested that an economist, political scientist and philosopher/ethicist be included on the committee to help analyze and interpret the data.

The committee would not make policy decisions regarding student life or education, but would be chartered to gather information and conduct research to "find the facts," Smith said.

The study group will strive for political balance and impartiality, according to Smith. He hopes that the group will finish its research over the summer.

Kistiakowsky and Wagner believe it is important for students

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Photo courtesy Bob Wagner

Peter Buck (from left), Mike Mills, Bill Berry, and Michael Stipe of REM, the headline band for Spring Weekend '85.

## REM to head May concert

By Randi Rubin

The Student Center Committee (SCC) announced Wednesday that the band REM will headline the Spring Weekend concert Friday, May 3.

REM is a young garage band from Athens, GA, which has gained critical acclaim for its two albums, *Murmur* and *Reckoning*.

SCC will pay REM approximately \$20,000. If the show sells out, "we will lose only one or two thousand dollars," said Henry Brush '86, SCC Spring Weekend Concert Coordinator.

"We're willing to lose money, because part of our job as a committee is to entertain the students, and so we don't mind taking a loss," he said.

The concert, which will take place in the hockey rink of the New Athletic Center, will be advertised only on MIT and Wellesley campuses; this is an REM stipulation, and does not reflect

any campus regulation.

Although the advertising area may be limited, SCC is not concerned. The Committee is expecting a good turnout. "There seems to be a lot of interest in the show," Brush said.

Delta Tau Delta and Sigma Chi are running ticket sales and publicity. Tickets for the show will go on sale April 19 in Lobby 10. They will cost \$5 for MIT students and \$7 for guests.

Phi Sigma Kappa and Theta Xi are running production for the concert.

Spring Weekend will also feature TANK. This event has traditionally been a team speed beer-drinking contest. This year, the contest will use non-alcoholic beer, due to a new Massachusetts State Law regarding public alcohol consumption.

This year's event will test "not alcoholic tolerance, but stomach tolerance," said Bernard Teh '86, Undergraduate Association Social Council programs director and Spring Carnival co-coordinator.

Spring Weekend activities begin on Wednesday, May 1, and continue through Sunday, May 5. Scheduled events include:

- a Freshman/Sophomore Ice-Cream Orgy, open to all students;
- a Junior/Senior Pub, with a

preliminary round of the Mr. MIT contest, sponsored by the Women's Independent Living Group;

- TANK, sponsored by Sigma Chi;

- a Steakfry sponsored by Delta Upsilon;

- a Spring Carnival/Picnic;
- a Community Service Fund

Road Race;

- the SCC All Tech Sing;
- the Fiji Island Party;

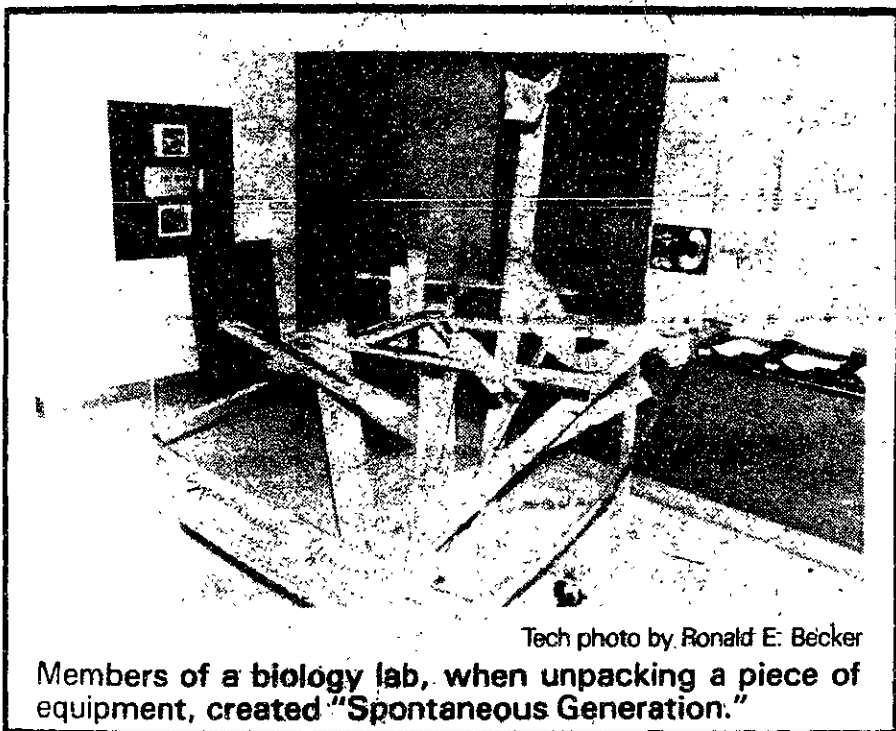
- the Steer Roast at Senior House, with a live band;

- the Spring Olympiad and Awards Ceremony, including Mr. MIT finals.

Spring Weekend '85 will have a new feature — a carnival in Kresge Oval. There will be fifteen to sixteen booths. Living groups and clubs will rent out and design approximately half of the booths. The remaining booths will be rented from a professional carnival company.

In addition, there will be live entertainment — roving clowns, a tattoo artist and a caricature artist.

The Finance Board will supply funds for the carnival. "\$2500 will be allotted from a special SCC fund given to Finboard each term by SCC — \$1452.75 will come from Finboard," according to Finance Board Chairman Colin Shephard '86.



Tech photo by Ronald E. Becker

Members of a biology lab, when unpacking a piece of equipment, created "Spontaneous Generation."

## Nightline holds depression forum

By Becca Munroe

Nightline sponsored a forum and discussion Monday night on depression and ways to deal with it in oneself and in others.

The student-run, peer-help service also sought feedback on its effectiveness. It operates a confidential hotline service and a drop-in center located on the bottom floor of Ashdown House. The staffers remained anonymous during the discussion.

The Nightline staff agreed that "depression is normal and healthy... a sign of growing when it isn't drawn out."

One staffer suggested methods for relief from depression. Students should try not to compare themselves with others, he said. They should take risks by beginning friendships and joining activities. They should seek help from friends and therapists and try to identify the causes of the depression.

A second staffer agreed. He said he had to change his attitude. He cut back on studying to develop through participation in student activities.

Family conflicts can also cause depression. A member discussed the effects of parents' divorces on their college-age children. "You must decouple your problem from your reaction to it. . . . You don't have the capability to force your parents to [change]. Realize you have little power over the cause, but you do have power over the effect," he emphasized.

Distance from the problem can make a person more objective. "Don't let yourself be drawn into the whirlpool your parents are in," he continued.

A fourth Nightline staffer described the depression brought on by housing and social situations. "Most people go through a lot of rejection," she said.

The first staffer commented on depression associated with the social life at MIT. The poor social life either causes or compounds people's depression, he said.

The staffer identified four aspects of MIT's social life that depress students: some students become upset because they meet people in the halls who lock themselves away to study; living groups tend to isolate people; students do not have as much time to socialize at MIT as they had in high school; and many

students feel they do not share much in common with others.

Discussion at the forum cited student activities as a way to meet people and improve a poor social life. "Your social life is controlled by you completely,"

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## IFC: the organization of a student government

By David P. Hamilton

### Feature

The InterFraternity Council (IFC) is the representative body for the 34 fraternities and independent living groups (ILGs) at MIT. It is "probably the strongest student government

group on campus," according to Robert A. Sherwood, associate dean for student affairs.

"The continuity of leadership within the IFC has always been strong," Sherwood said. He cited IFC's independence, which he saw as an asset rather than a disadvantage, as the reason for the organization's continuity.

Sherwood said that the IFC has operated for the past three years without a full-time fraternity advisor in the Office of the Dean for Student Affairs (ODSA).

"During that time, the quality of IFC programs remained constant," he said. The IFC will receive a new advisor in mid-May. Mark Ertel, who will graduate from Memphis State University, will assume the position.

IFC Chairman Tinley Anderson '86 said the IFC has no specific long-term goals, although it is responsible for several activities during the year. He outlined the IFC's major commitments. It must organize Rush during Residence/Orientation Week, resolve conflicts between individual member houses and act as a liaison between houses and the Dean's Office.

The IFC supports both new and existing independent living groups. It promotes constructive community relations and maintains administrative ties with the ODSA. "The IFC has always been more of a service organization than a legislative one," Sherwood said.

The IFC oversees its Executive, Expansion, Rush, Judicial and Community Relations Committees. They fulfill IFC's commitments to MIT and its member houses.

- The Executive Committee coordinates the action of the other committees. It is the IFC's primary voice to the ODSA. As the legislative body, the committee is responsible for the IFC's constitution and policies that are subject to ap-

(Please turn to page 2)



Tech photo by Sidhu Banerjee  
IFC Pres. Tinley Anderson, '86

## inside

Tech Show '85, an MIT student production, begins its run. Page 7.

Heartbreakers is a comedy weak on storyline. Page 7.

# Group to include 5 from faculty, 2 students

(Continued from page 1)  
to serve on the committee and that the group have sufficient resources to support a research staff.

They also agreed that committee members should represent a broad spectrum of political views to prevent a biased analysis of the data they collect.

Kistiakowsky and a subgroup of the cosigners have developed a list of suggestions for a partial agenda for the committee:

- How extensive is military-related activity on campus, in terms of the military dollars spent and the number of faculty, students, and staff participating in military-funded programs?

- What exactly is the amount of military related research done off-campus through Lincoln and Draper Laboratories, co-op programs and consulting?

- Are rules for military-related research the same as those for other research? What effect do

the rules imposed by military research have on the choice of research done at MIT?

- What effect does the increase in military R&D have on MIT graduates? Are more of them working on defense-related projects?

- Is there active recruitment for careers in military-related companies? Is the nature of the employment clearly stated to prospective employees? Is there any relation between employment in

military-related work and research done while at MIT?

- What is the impact of Reserve Officers Training Corps (ROTC) on campus? Are the number of ROTC students increasing? Does ROTC affect a student's choice of major?

- What should the Institute do with the results of the study?

The committee shall report all of its findings to the faculty.

Kistiakowsky and several other members of the MIT community

repeated their proposal at the March 20 faculty meeting. Kistiakowsky's letter was signed by over 50 faculty members.

An *ad hoc* student coalition, composed in part by MIT Student Pugwash and the MIT Disarmament Study Group, of which Wagner is a member, sent a letter to Smith supporting the establishment of the committee. The coalition gathered 283 signatures over three days in favor of the proposed group.

## IFC has 5 committees

(Continued from page 1)  
proval by the general membership.

IFC relations with the ODSA are generally good, Anderson said. "I'd be dishonest to say that we never disagree [with the ODSA]" he said, "but generally we work together well."

- The Expansion Committee assists local clubs who want to affiliate with national organizations in order to become MIT-recognized living groups. Most recently, the committee helped Club Amherst join the national Alpha Phi sorority.

The committee is not directly involved with finding houses for new groups. It does emphasize the responsibility of the administration, especially the Planning Office and the Office of the Vice President, to take action on behalf of existing and potential ILGs.

- The Rush Committee has one of the most important responsibilities of the IFC. It must establish a fair rushing policy for all members. The committee is also involved in organizing pre-picnic discussion groups for freshmen and emphasizing the importance of a good summer rush.

- The Judicial Committee handles disputes within the IFC and with the ODSA. This committee is most visible, and most influential, during Residence/Orientation Week, when it is responsible for enforcing the Rush regulations set forth by the Rush Committee.

Despite the emphasis placed on this task, the Judicial Committee is viable throughout the academic year, Sherwood said. Whenever a student or a living group feels that their rights have been violated, they may file a complaint with the committee, he added.

The committee may review cases either solely or jointly with the Dean's Office. The committee is authorized to fine a living group up to \$500, sentence it to conditional or unconditional IFC probation, or recommend to the ODSA the suspension of Rush privileges and/or the removal of the offending group from

campus.

- The Community Relations Committee is responsible for maintaining communications with neighbors in the Boston/Back Bay area. The committee also facilitates ILG participation in various community service projects such as, the Alley Rally, the MIT/Red Cross Blood Drive, and clean-ups of the Boston Common. The group also nominates candidates for the Killian Award, presented annually to the ILG with the best community service program.

General meetings of the IFC are held monthly at an ILG selected by the Vice Chairman. Each ILG can send any number of representatives to each general meeting, although each full member receives only one vote.

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# news roundup

## World

**Salvadoran guerrillas kill 20 in town raid** — Approximately four hundred rebels attacked the town of Santa Cruz Loma in El Salvador Monday, killing 20 villagers and kidnapping several residents. According to villagers, the guerrillas assaulted the town with mortar fire and then searched huts. Seven of the victims were members of the Civil Defense Force volunteers.

**Khadafy threatens to cut Reagan's nose** — Libyan strongman Moammar el-Khadafy Wednesday warned President Ronald W. Reagan not to interfere in Sudan or else Reagan's "nose will be cut." Former Sudanian President Nimeiry was ousted in a bloodless, military coup last Saturday.

**Mexico arrests country's No. 1 drug trafficker** — Mexican authorities seized Ernest Fonseca, a top figure in the Mexican drug trade on Monday, according to the attorney general's office. Fonseca is believed to be responsible for the killing of an agent of the United States Drug Enforcement Administration. Arrested with Fonseca were 23 accomplices including agents and former agents of the Interior Ministry.

## Nation

**Judge orders temporary restraint on Columbia students** — A Manhattan judge deferred action on Columbia University's request for an injunction prohibiting students from continuing to barricade a building in protest of the university's investments in South Africa. The judge, however, issued a temporary order forbidding students from protesting until a hearing is held next week. Columbia has over \$30 million invested in companies doing business in South Africa. Over 100 students and faculty members have participated in the protests since last Thursday.

## Sports

**Red Sox batter the Yanks, 14-5** — Rich Gedman collected four hits as the Boston Red Sox defeated the New York Yankees at Fenway. The Sox won the season opener 9-2 on Tuesday, also against the Yankees. After the game, Yankee owner George Steinbrenner said, "I'm embarrassed. I've seen better college teams."

**South African runner may be stopped from Marathon** — Mark Plaatjes may be prohibited from running in the 89th Boston Marathon Monday because of a ban on South African athletes by the International Amateur Athletic Association. The Boston Athletic Association is expected to make any announcements today.

## Weather

**Sunny showers** — There is a 40 percent chance of morning showers today. The afternoon should bring sun, with high temperatures reaching the low 50s.

Earl C. Yen

## Partner Wanted

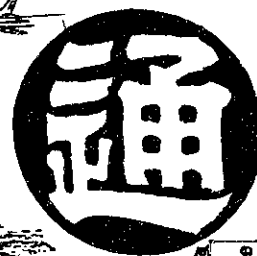
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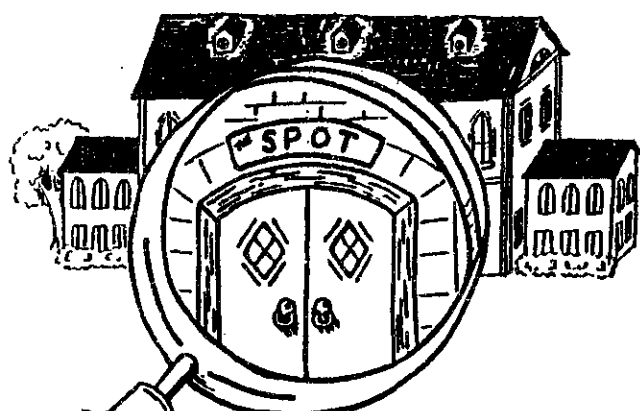
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# opinion

Column/Scott Saleska

## Lobby against the arms race

Next Thursday, April 18, there will be a University Lobby to End the Arms Race. Thousands of students from colleges and universities across the country will travel to Washington, DC, to meet their congressional representatives and encourage them to vote against destabilizing weapons systems.

A second related event in Washington is the April 20 rally against the arms race and Third-world intervention. Two hundred thousand people are expected.

The MIT Disarmament Study Group is organizing Massachusetts' campuses for the first event. It is planning transportation for both. Here is why you should join them.

While I was home for Spring Break, I watched the House of Representatives debate and then vote on the MX missile. It was an insightful experience. It sharpened my realization that with regard to the arms race, there are two different worlds.

The first world is like a game. In it, Congress debates and the United States and the Soviet Union negotiate. The game pieces are missiles, warheads, and other weapons systems. The game rules include such terms as "first-strike capability," "superiority," "windows of vulnerability," and "flexible response options."

The game score is measured with numbers and perceptions. Numbers — like megatons, or numbers of warheads. Perceptions — like "demonstrations of national resolve."

Then there's the world we live in: the world of people. It is in this world that the bombs will explode. This is the world that will become extinct when the "game" ends — and end it must, sooner or later, if things remain as they are.

The arms race continues to produce more weapons, of greater accuracy, over a broader range of destructive power for more nations. This means the tripwires on nuclear war grow more sensitive. Eventually, one of them must trigger.

All of this is fairly obvious to most of us outside the game world. It explains why two-thirds of the American population (depending on precisely how the question is phrased), are in favor

of a nuclear freeze. Yet the nuclear freeze never passed in Congress.

Why not? After all, in a democracy, the majority — especially a two-thirds majority — is supposed to rule.

In the case of the MX, not only did the majority not rule, but the government went in precisely the opposite direction by voting to build more MX's.

The MX is the most accurate missile ever built (the error after thousands of miles is less than 400 feet). There can be only one reason why a missile of this size (the largest ICBM ever built by the US) should have to be so accurate: it is designed to hit other missile silos.

There can be no need to hit silos unless the United States wants the capability of launching a first-strike nuclear attack. This capability encourages our adversaries to adopt a launch-on-warning position: it is a prescription for disaster.

In the game world, however, this reasoning doesn't fit the rules. Instead, what is important is who's "winning." That is determined by relative numbers and perceptions of resolve. Such things may have a lot to do with game playing — especially gambling. But it has almost nothing to do with the real-world objective of preventing nuclear annihilation.

President Reagan speaks of the MX as a "bargaining chip." We needed it before because the Russians were away from the bargaining table. Now we need it because the Russians are at the table, he claims. Both arguments make sense and are influential within the framework of the game.

In the real world the MX never has been and never will be a bargaining chip. Even Reagan's people, in their candid moments, admit this. As Defense Secretary Casper Weinberger said in 1983, "The question is not whether or not it's a bargaining chip. Nobody ever suggested it was a bargaining chip. It's part of our necessary modernization."

Ambassador Edward Rowney, chief US negotiator at the START talks in 1984, agreed: "no one is talking about negotiating away the MX."

Reagan, who has been against every nuclear arms control treaty

ever signed, is continuing unimpeded with the biggest peacetime military buildup this country has ever experienced.

He will ask for more MX's this summer (they will be needed to keep the Russians at the table then, too — or else to bring them back).

He will want the Trident II D-5 (also a first strike weapon), later this year. Pershing II's (which promote the especially dangerous illusion of "limited" nuclear war) will continue to be deployed in Europe. He will never support a nuclear freeze.

His chief negotiator, Max Kampelman, is a member of the Committee on the Present Danger. This committee was against détente, SALT I, and SALT II. Kampelman is not likely to produce any substantive agreements.

It is time that we bring some reason from the world of the living to the game-players in Washington. It is time to cast our votes — not just our ballots, but our full influence — for survival.

I'll see you next week in Washington.

Column/Andrew Bein

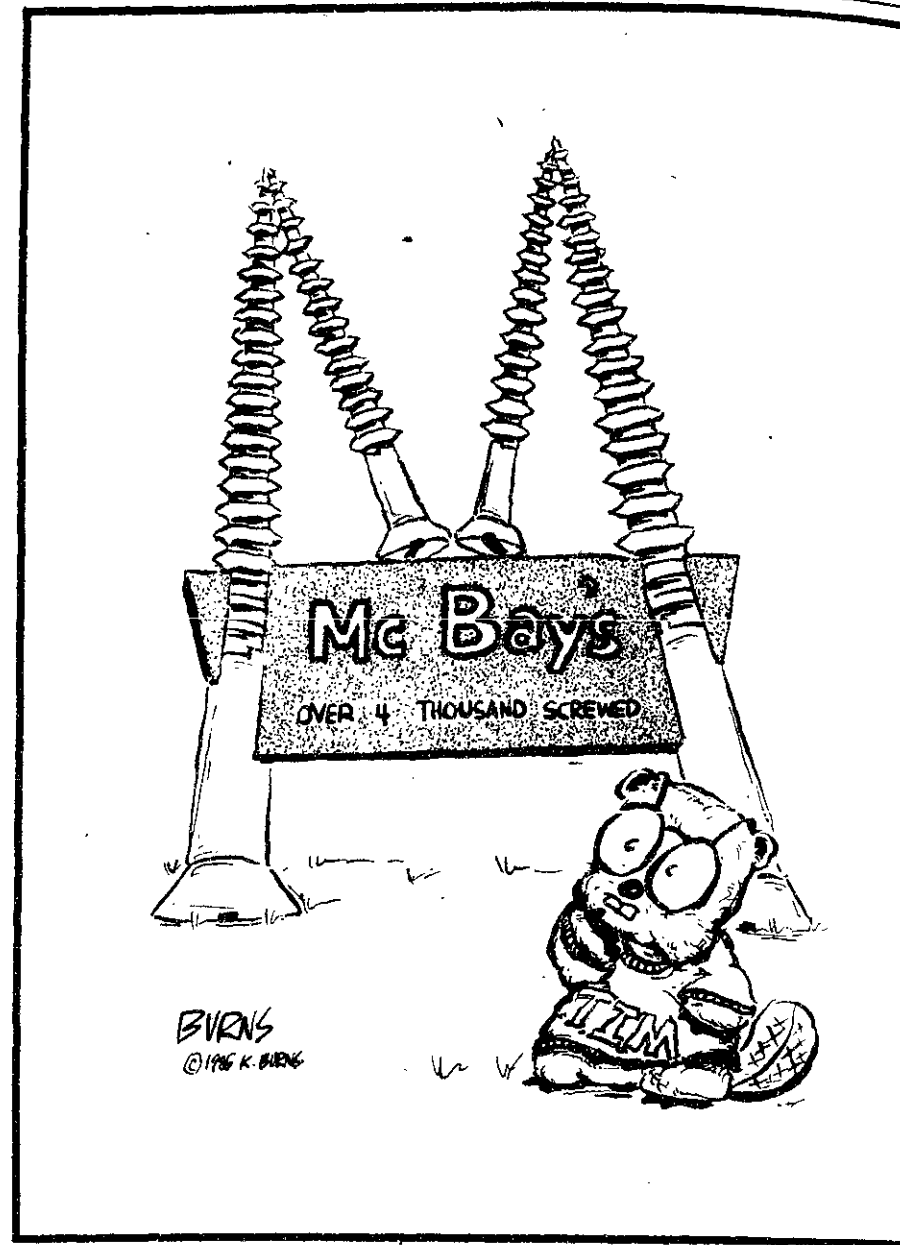
## The administration's shadow lies over MIT's spontaneity

MIT went all out for the freshmen women of the Class of '89 this week. The Admissions Office spent plenty of money on ice cream orgies, a movie, special tours, lunches, dinners and more. But it was worth it. Now we are sure to attract more women to our school.

We can at least be reasonably certain of that. Last year, after the women were invited for a weekend, more agreed to four years here than ever before. There is no reason not to count on that happening again.

But the Admissions Office showed MIT in a somewhat unrealistic way. Some people may consider this an advantage. It is deceiving nonetheless.

On Tuesday the prefreshwomen were offered tours of the Space Systems Lab and the Arts and Media Center. In my two years at MIT I have never even heard of the Space Systems Lab,



let alone received a tour of it.

I do know about the Arts and Media Center. That's the beautiful bathroom tile building across the street from East Campus. I snuck in there once to look around, but as I understand it, few undergraduates really have any business there at all.

Just before the women arrived on campus, an *Ad Hoc* committee released suggestions concerning MIT's alcohol policy. It recommended parties be shut down at 1 am, and that Rush run dry. The policy would place guidelines on parties and advertising.

It would, in other words, restrict students from doing whatever they want to do. There is a shadow.

The prefreshwomen's Campus Preview, with its planned events and schedule, was cut and dried, too. The preview resembles the

Dean's Office. They both ignore the spontaneity that MIT allows.

There were no lessons on shorting out wall sockets, stealing street signs, arranging friends' rooms on the Charles River.

There were no seminars on burying balloons that explode onto football fields.

No one during the Preview discussed how to keep a party going until it is shut down by the Campus Police. Or restarting it afterwards.

College is the place where you can do things you've never done before and will certainly never be able to do again. MIT has provided that freedom.

As the prefreshwomen choose their colleges, the administration must choose whether or not it wants to allow its future students the spontaneity it has in the past. There is now a shadow on that spontaneity. We can only hope for a reverse of the trend.

## feedback

### Worried about funds commission

To the Editor:

I am concerned about what may result from the commission that is being established to investigate the major impact of military funding on research and education at MIT. Unless it produces nothing but idle chatter, it promises to be a menace, because there is no way it could change current policies in a way that would not interfere with normal relations between the military and its contractors, and MIT students and faculty. Any such actions would be unacceptable for three reasons.

First, the academic freedom to choose one's field of interest and sponsors is fundamental to both the philosophy under which MIT operates and our American form of pluralistic, democratic society. Interference in research, education, employment and consulting is inimical to everything that MIT stands for.

Second, the Department of Defense is the primary source of support for many of the disciplines that MIT people are inter-

ested in. Maybe the funding should come from elsewhere, but that is a decision for the American people to make through their elected representatives, and not MIT.

Third, MIT has traditionally played a major role in national defense. MIT developments helped prevent a Nazi victory in the Second World War, and have deterred the Soviets from starting the Third.

### Larger rally crowd estimate

To the Editor:

Craig Jungwirth's article entitled "Police arrest nine in protest march," which appeared in the Apr. 5 issue of *The Tech*, reports Vladimir Escalante (not Eesealante) as saying that 50 demonstrators protested on Wednesday, Apr. 3 against US interventionism in Central America, apartheid in South Africa, and Reagan's student aid cuts.

This figure is grossly inaccurate. Firstly, when I recently spoke with Mr. Escalante, he assured me that he had never been

The MIT community should be glad that the military funds our endeavors, eager to use this opportunity to provide input on the formulation and execution of defense policy, and proud of our contributions to the defense of liberty. I see no way that the commission can improve on the status quo, and I fear the power that it might give to a minority of zealots to restrict our freedoms.

Kenneth P. Katz '85

asked to estimate the number of people participating. Secondly, when I asked him for an estimate, he said 200, a figure I wholeheartedly agree with. The source of Mr. Jungwirth's datum remains unknown to me.

Julian Joseph '85  
(Editor's note: Reports on the number of people who took part in the demonstration at Harvard range from 200 to 300. Approximately 50 people gathered at the Student Center steps. The Tech mistakenly attributed this number to Escalante.)

## The Tech

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# opinion

Guest Column/Rich Cowan

## Arms race biases technology at MIT

Ill-conceived anti-nuclear arguments, exemplified by Simson Garfinkel's revolting column last Tuesday, help close people's minds to the horrors of the arms race, burdening the anti-nuclear movement.

Poorly articulated, oversimplified objections by "bleeding-heart" liberals (i.e. military = death = bad) have been unconvincing. Excessive use of arguments which make people recoil in morbid fear or morality lectures on nuclear death, even articulate ones, provoke defensive, preprogrammed "national security" rationalizations.

Such arguments force people to suppress reality in order to retain sanity, opening them up to irrational technological fixes, like the Strategic Defense Initiative.

I'd like to offer some arguments to which you will relate, not recoil in fright. So instead of talking about warheads, megatonnage, and death, I'm going to talk about bias — at MIT, in your education, and in your job opportunities.

The bias is caused by military research. Military research is fueled by the arms race. If you are an MIT engineering major, the arms race is likely to be the most important influence on your non-personal life, even if you never work on direct military applications.

In 1939 the federal government spent a total of \$25,000 at MIT. That's \$250,000 in 1985 dollars. Today the Department of Defense alone spends over \$250 million here annually.

World War II transformed MIT to what it is today. Functioning completely as a war research and training center, MIT performed an average of just under \$19 million in military research from 1941 to 1945.

MIT's contributions in radar and gunsight research were critical to Allied victory in Europe. Everyone at MIT shared pride in this contribution to national service. Everyone also agreed that a post-war MIT, while retaining some responsibility for national service in military research, would drastically scale back its military research budget. But that hasn't happened.

MIT did cut back drastically from a wartime high of \$39.9 million in 1945 to a low of \$9.8 million in 1947. Now enter the arms race.

Military research at MIT shot above wartime levels in the early 50s and accelerated in the 1960s. It reached twice the real-dollar levels of World War II at the height of Vietnam War unrest in 1969. After the Instrumentation Laboratory was divested into Draper Labs in 1973, research slowly decreased.

Now enter the New Right. During Reagan's peacetime buildup, military research at MIT, without Draper Laboratory, is again approaching the precipitous levels of the Vietnam War.

Many people, including President Gray, have argued that the Defense Department is a reliable, effective funding source. That is certainly true in areas of study that receive military funding.

But military research focuses attention and manpower away from areas of study that do not have perceived military application. Let's look at its effect on students, universities, and society.

In 1952, you could earn half of MIT's tuition working for a summer at minimum wage. Today,

you get more financial aid, but summer earnings at minimum wage don't even approach half the self-help level.

\$11,000 tuition, financial aid cuts, and \$2 billion of proposed additional cuts bias career decisions economically. Economics favors military-funded research careers, or enrollment in ROTC. Both options restrict academic freedom. How many ROTC cadets major in humanities?

The increased dominance of departments supported by military research costs money. Growth in the Aero/Astro department will force MIT to pay for additional faculty or send students to Draper to work on their theses.

The EECS department is trying to find professors. But corporate (Please turn to page 6)

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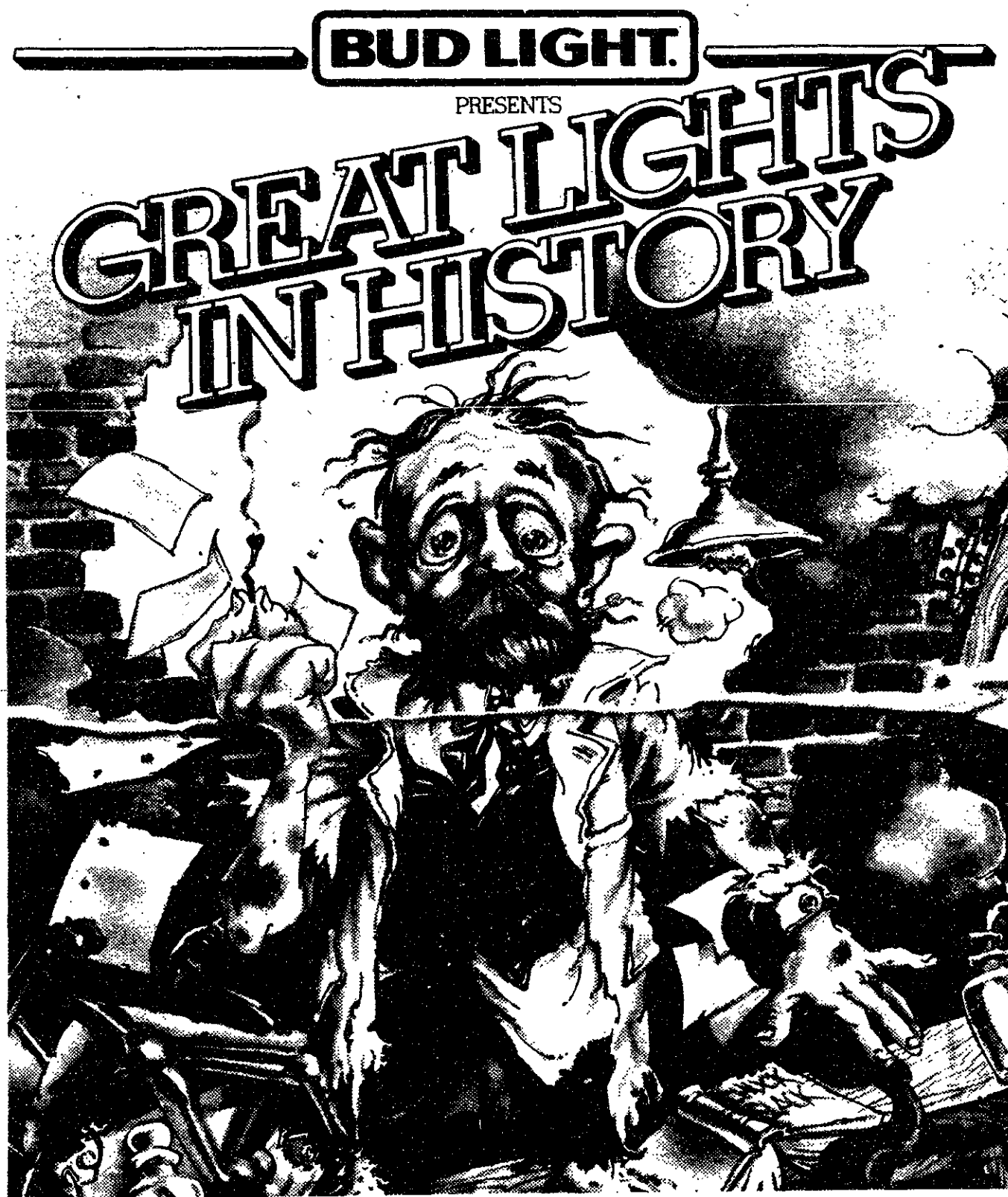
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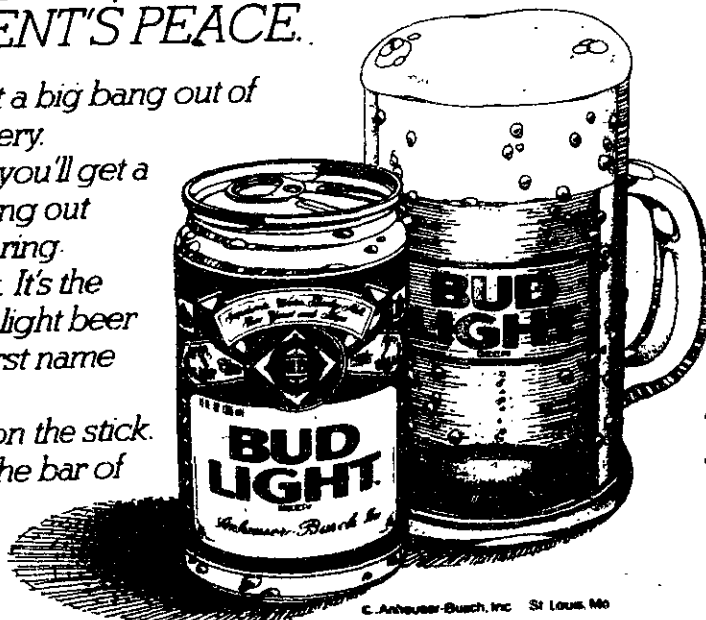
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# opinion

## Military research influences the MIT education

(Continued from page 5)

Ph.D. salaries are inflated by strong military demand. MIT competes for labor by raising faculty salaries, and pays for it by raising tuition.

Military funding not only affects the size of academic departments, but also the biases research areas explored. DOD influence in computer science probably contributes to Project Athena's networking excellence and lack of interactive software expertise.

Outside funding also effects MIT policy. MIT prides itself on

a policy of nondiscrimination against gays and lesbians. Except when the military is doing the discrimination, as in ROTC.

And consider the effect on society as a whole. The sustainment of MIT's massive military research budget in times of peace reflects and contributes to the dominance of military concerns within all technological enterprise. With SDI, military pervasiveness will only increase.

Congressmen say that the Strategic Defense Initiative is harmless because it's only research. But \$26 billion of research in five

years is four times the annual military research budget of all universities in the nation today.

But won't SDI drain engineers from the non-military high-technology industries that are vital to our economy? What additional cost in high technology trade will we bear?

And what will happen to MIT and our society if the revolutionizing influence of technology be-

comes increasingly military-driven?

So much in the world is interrelated, beyond math, physics, and electrical engineering. I learned almost nothing about the forces which shape society from my undergraduate MIT curricular education.

But awareness of dangerous technological influence is inextricably linked with our survival on

this planet. I hope MIT will promote such awareness through educational reform, and be willing to take controversial action. But when universities line up like lemmings in the queue for Star Wars research, I wonder if it is already too late.

(Editor's note: Cowan is a graduate student in computer science and a member of MIT Student Pugwash.)



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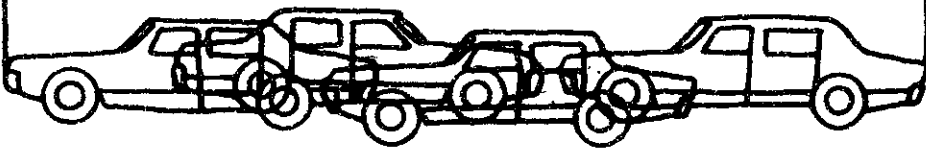
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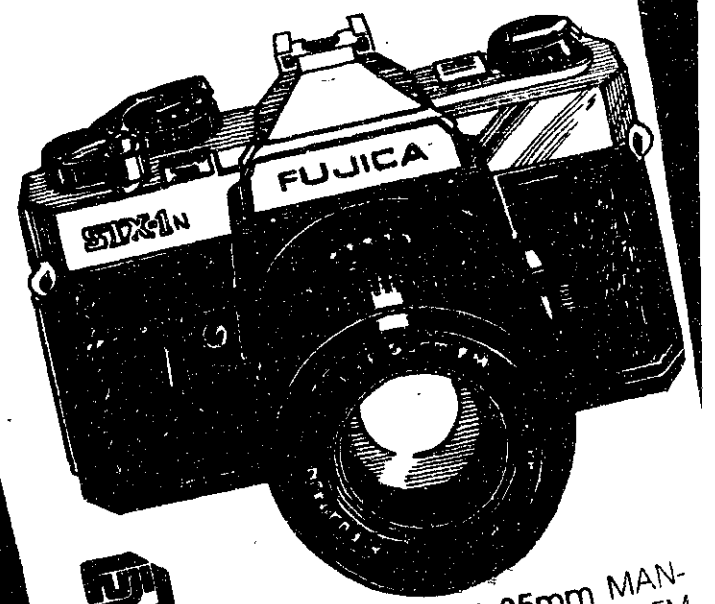
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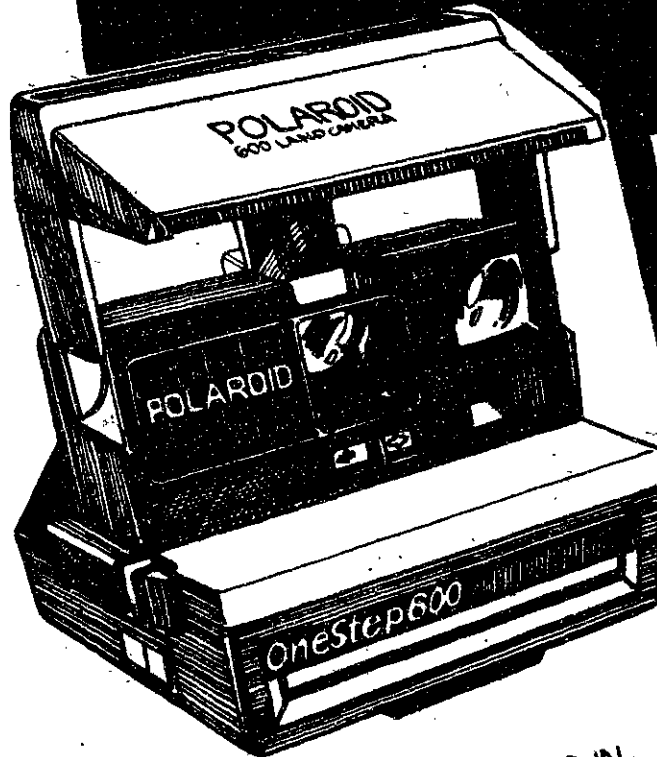


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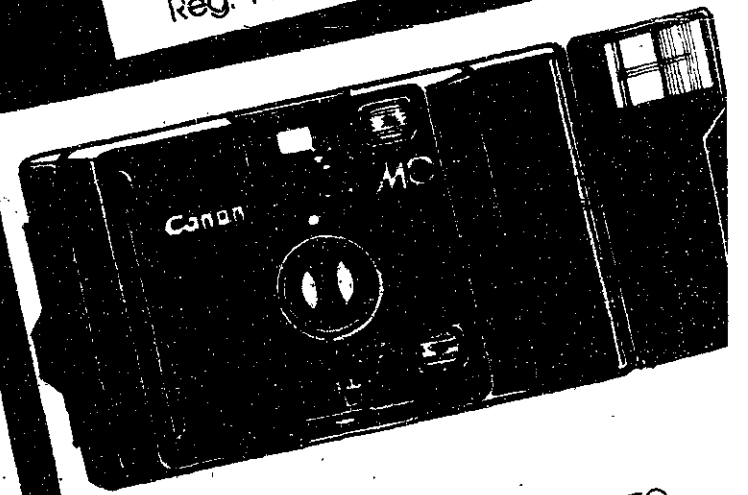
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# Zany; music sparkles

Tech Show; the Musical Theatre Guild presents *Estate of Mind* by Dan Gilly (with David Smith and George Xixis) with Music Direction by Ira Berk; Sala de Puerto Rico, April 11, 12 & 13 at 8pm.

Dan Gilly '85 and Mike Elkins '88 captured all the best moments in *Estate of Mind*, the 66th Tech Show to be presented at MIT. Appearing at the least likely of junctures to cause a riot, their zany intrusions on a plot of perhaps less than epic proportions were responsible for the loudest of laughs. Running in to act out fantasies from Star Trek, Yogi Bear and Bugs Bunny, among others, and launching at the audience with a polished patter, sharp wit and the wildest of impressions, they captured the show.

This is not, needless to say, to deny that there was a plot. The proceedings take place in "The Spot," an ostensibly illustrious New Jersey health spa (just think of the potential for hot tubs in Hoboken or muesli in Metro Park), hiding the sinister mind control antics of Dr. Walsh and Becky Bigelow. Dr. Walsh (nicely acted by Carl Dashfield '87) has some redeeming features — he's got latently nerdatistical tendencies and won't pass up an opportunity for Course VI shop talk with his more educated victims — but Ms. Bigelow is pure nastiness. There are heroes, of course, particularly detectives Steve Carver and Charlie Gladstone, and the inevitable love, which is where Teresa Hope comes in useful.

Anne LaFlamme '88 was Teresa Hope and managed to generate the obligatory sob: Her singing in "No One to Love" might not have been the most technically proficient; but it was touchingly sung to the sympathetic music of Ira Berk G.

Diana Tener '86 was anything but touching as Becky Bigelow: Nicely poised, she's out to get your mind, and several chortles along the way.

Saul Resnikoff '87 did a good job as Steve Carver and was at his strongest in "The Duel," a rhyming competition with Penelope Vanderbilt MacTeague. The lyrics by Gilly and music by Berk were quite inspired and made for a comical clash of wits between the Harvard graduated thesaurus-reading Penelope (played with just the right degree of self-righteous pretension by Robyn Bradford) and the brainier but more straightforward Steve Carver (I wonder which school he went to. . .): You

can guess who wins.

Abdon Ruiz '88 slumped in and out as the drunken Lloyd Albright, and the other cast helped mirthfully complete The Spot's possibly less than select clientele.

Tech Show '85 has a funny script with some marvellous lines thanks to the efforts of Gilly, aided and abetted by David Smith '85 and George Xixis '85. The direction by Smith did capture much of the humor, but also allowed the action to become loose at times, and some good jokes lacked in punch: a bit of tightening up would help.

But the music was outstanding: The brightness and vitality of composition held the show together. "I Don't Wanna Travel" and "Estate of Mind" are classics, and the entr'acte which opens Act II sparkles with drive and originality, even if it did borrow from Beethoven's 9th. The Orchestra, under Berk (who also wrote much of the music) was on top form and made an essential contribution to the show's success.

So, if you're after the original recipe of Dan Gilly's patent "Mental Clarifier No. 6.001," go along and be a part of one of MIT's oldest and warmest traditions.

Jonathan Richmond



# Breakup of friends painful to watch

*Heartbreakers* with Peter Coyote, Nick Mancuso, and Carol Wayne; produced by Bob Weis and Bobby Roth; written and directed by Bobby Roth. Opening at the Nickelodean today.

*Heartbreakers* is a sometimes funny, but usually dull comedy. Writer-director Bobby Roth has fashioned a stylish but irritating story of friendship in the me-generation.

Like last summer's *The Pope of Greenwich Village*, *Heartbreakers* is about two friends trying to survive the modern world. Arthur Blue (Peter Coyote) is a struggling artist whose girlfriend has just left him for one of his colleagues. Eli Kahn (Nick Mancuso) manages his father's chain of clothing stores. The two have been best friends for a long time. This movie takes a slice out of their life examining their relationship and the way they respond to each other in different situations.

Blue and Kahn envy each other. Blue wants to know how everything that comes so easy for Kahn is so hard for himself,

while Kahn wants to get married and is jealous of Blue's former relationship with his ex-girlfriend.

The simple, mutual envy turns into real tension as Kahn starts to get involved with women and Blue begins to be successful with his paintings. The two find their friendship challenged as it slowly mutates into a love-hate relationship.

Roth is a better director than a writer. There are lots of interesting camera angles utilizing the city of Los Angeles to the fullest. We're shown the bright glitziness, the obsession with physical fitness and cars, and the classy greasy spoons which we associate with Los Angeles. However, the movie is directed too much like a thriller, articulated with numerous close-ups and long action shots. It is as if Roth prepared himself to direct this film by watching 10 consecutive episodes of *Miami Vice*. The style is plausible for a police show but not for a comedy.

Moreover the dialogue is almost oppressive. The characters say their lines with

careful deliberation, as if they think themselves to be the most important people in the world. Further, there isn't enough dialogue; what there is holds the audience's attention but doesn't make one care about the characters.

The acting is quite good, but as in *The Pope of Greenwich Village*, almost everybody is overacting, with the exception of Carol Wayne who plays the model for Blue's "fetishism" paintings. The rest of the cast manage only to project their characters rather than becoming the characters. The effort is impressive but it makes one admire the actors rather than believe in their roles.

Yet the worst thing about this movie is its storyline, which is just plain dull; the story of two friends whose main concern seems to be how to sleep with the other's girlfriends without offending each other is not very interesting. *Heartbreakers* is about a couple of guys in boring situations and fails to appeal to the audience.

Dan Crean

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Applications are now being accepted for the Fall Semester for the Student Center. Some dates *may* still be available for Kresge Auditorium. Applications may be obtained in the Campus Activities Office (W20-345, x3-7974).

Below is the chart for deadlines and approval dates.

## TIME PERIOD DEADLINE APPROVED BY

September-  
December 1985

April 24, 1985  
Wednesday

May 1, 1985  
Wednesday

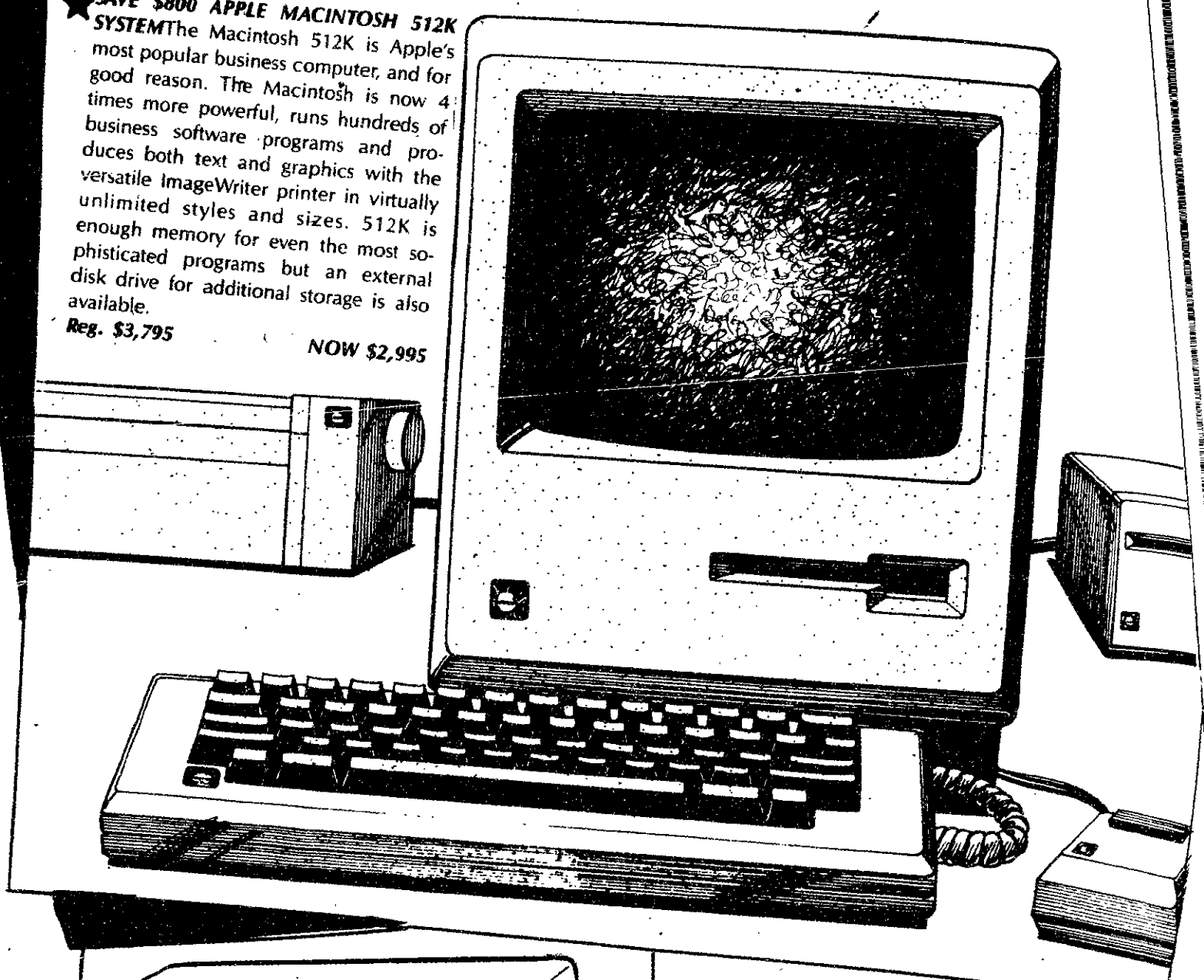
Applications will be accepted on a rolling basis after May 1, 1985. Reservations for the MIT Chapel may be requested up to one year in advance of the actual date.

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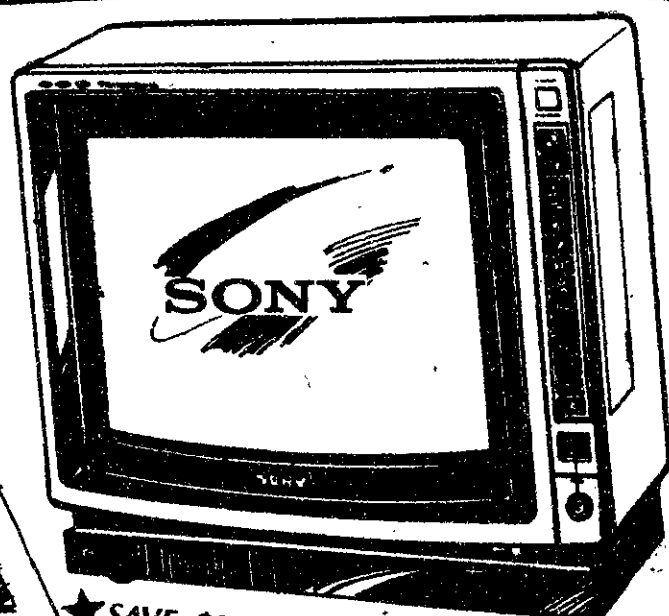
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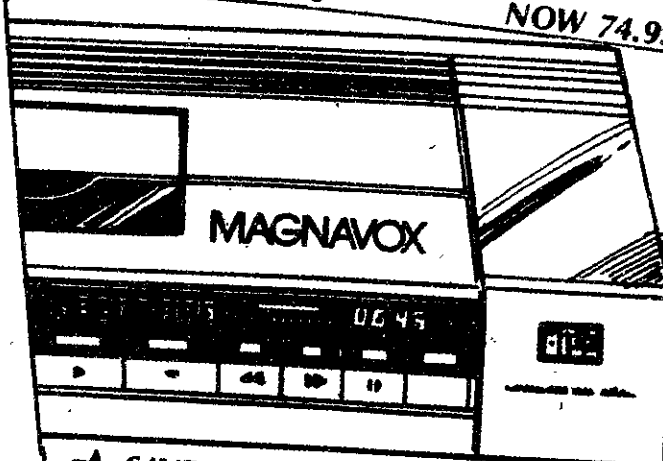
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**Friday, April 12**

Tech Show continues tonight and tomorrow \$3 with MIT ID, \$4 for senior citizens, and \$5 for others. Get into the right Estate of Mind in the Sala de Puerto Rico at 8pm.

LSC fare includes All Quiet on the Western Front at 7:30 in 10-250 and 2001 at 7 and 10pm in 26-100.

**Saturday, April 13**

Trumpeter Richard Given, flautist Ellen Given and pianist Karen Sauer will be in Kresge Auditorium at 8pm tonight to perform works by E. Given, Caplet, Hinde-

mith, Haydn, Artunian and Telemann. Free.

András Schiff will play Mozart's Piano Concerto No. 24 with the Boston Symphony Orchestra this evening at 8. The concert, conducted by Charles Dutoit, will also include Stravinsky's Petrushka.

LSC will be showing Diva tonight at 7 and 10pm in 26-100.

**Sunday, April 14**

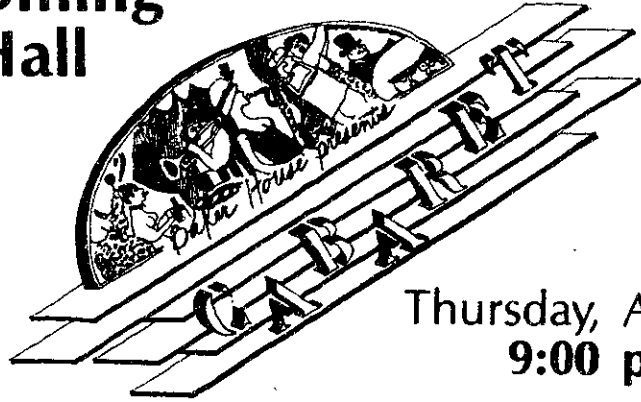
John Gibbons performs works by Bach, Handel and Scarlatti at 3pm in Remis Auditorium of the Museum of Fine Arts. Students \$8, others \$10. Call 266-9300 x306 for info.

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**American Repertory Theatre/New Stages**

Discount tickets are also on sale for the American Repertory Theatre/New Stages series at the Hasty Pudding Theatre, 12 Holyoke St., Harvard Square. Tickets priced at \$5 will be available to the MIT Community for the following performances:

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9:00 AEROSPACE ENGINEERING	9:00 BIOLOGY / CHEMISTRY	9:00 LAW
11:00 COMPUTER SCIENCE / COMMUNICATIONS	11:00 PSYCHOLOGY / SOCIAL SCIENCES	11:00 POLITICAL SCIENCE / POLITICS
1:00 MATERIALS SCIENCE / CHEMICAL ENGINEERING	1:00 ASTRONAUTICS	1:00 MILITARY
3:00 ARCHITECTURE / MECHANICAL ENGINEERING	3:00 BUSINESS / ECONOMICS	3:00 JOURNALISM
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# Staff offers advice

(Continued from page 1)

another staffer said.

## Finding out; getting help

The last staffer on the panel mentioned the value of therapy. "When you're depressed you can't schedule, [and then you] put more pressure on yourself." She emphasized that some people have difficulty ridding themselves of depression without professional help.

Participants in the discussion agreed that long periods of depression often lead people to consider suicide. They advised not panicking when offering advice to those contemplating suicide; be supportive and be a friend.

Do not be afraid to mention suicide; mentioning it only demonstrates a caring attitude. Assess the immediate risk: If the person has a plan or has attempted it before, the risk is extremely high, they said.

Giving away possessions, changes in personality, drug use and long periods of depression are indicators of a potential suicide attempt, according to the staffers.

Health and financial problems, a loss of loved ones and the end of a relationship can all trigger depression.

Depression is a vicious cycle,

the last staffer added. "When people are depressed . . . [they] lose energy . . . [and they] don't have energy to change things and make them better," she said.

Associate Dean for Student Affairs Linda Vaughan, Nightline's faculty advisor, said, "We clinicians feel at least 90 percent of the population go through some depression."

Other signs of depression include crying for no apparent reason, losing one's sense of humor, low self-evaluation characterized by a feeling of lack of intelligence and popularity, and pessimism, she continued.

The indicators of depression culminate in a total "rejection of the possibility of improvement," Vaughan said.

She listed the physiological symptoms of depression as loss of appetite, a decrease in libido and a change in sleeping patterns.

What can be done about depression? According to the staffers, students should try talking to friends, exercising, improving their nutrition and seeking medical help. They should become aware of their emotional state and do something they know will make them happy.

Students must realize depression has a beginning and also an end, the staffers said.

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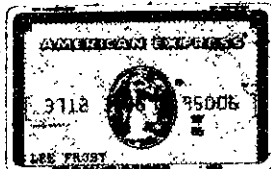
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TODAY'S CHEVROLET

## sports

## Raquetteers top Wellesley

The doubles team of Heather Pickford '86 and Janyce Mitchell '88 upset Wellesley's Ann Smith and Lisa Murphy — the pair who represented the Northeast in last year's NCAA Division III championships — to lead the women's tennis team to a 5-4 victory Tuesday afternoon.

The win was MIT's first ever against Wellesley, and its first against any school ranked Class "A" in state competition.

Other winners in the MIT effort were captain Lisa Shields '85, Lizet Tirres '86, and Keiko Yamaguchi '88. The doubles team of Shields and Jennifer Hyman '87 also scored a victory.

## Hockey names Russell 1985 MVP

The men's hockey club has named defenseman Rick Russell '86 its 1985 most valuable player.

The team finished its season with a 10-8 record, marking the squad's fifth straight winning season under the guidance of head coach Joe Quinn.

## Men's tennis loses

The men's tennis team saw its record drop to an even 2-2 Wednesday afternoon, when the squad dropped a 5-4 decision to Division III rival Tufts University.

## Softball breaks out of 0-4 slump

The softball team won its first game since coming up North Wednesday, defeating host Framingham State, 10-5.

Grace Saccardo '86 picked up the win in relief of starting pitcher Lou Jandura G. Saccardo also helped her own effort by going 3-3 at the plate with an RBI and three runs scored.

Stacy Thompson '86, Julie Chen '86, Jandura, and Pat Leach '86 all had two hits apiece, and Chen led the team with four runs scored.

## Baseball falls to Division I Eagles

The baseball team saw its three-game winning streak broke

to a resounding end Wednesday afternoon, when Division I Boston College exploded for a 21-4 victory.

The Engineers made six errors behind losing pitcher Rich Zermani '87. First baseman Mike DiChristina '85 had three of those errors, but he atoned with a two-run homer to lead the MIT offense.

## Golf team clubs Crimson, Huskies

The golf team, in its best outing of the year, beat Harvard and Northeastern Wednesday. MIT scored 393, compared to Harvard's 402 and Northeastern's 429. Co-captain and number two player Dave Linemann '85 finished first, with a score of 77. Top ranked Eric Asel '87 and third ranked Gary Zepfner '87 trailed closely, both scoring 78. Alex Romeo '86 finished with an 81 and Co-captain Rob Irion '85 finished with an 82. The team is now 5-0.

## Babson's 8-point half drops lacrosse

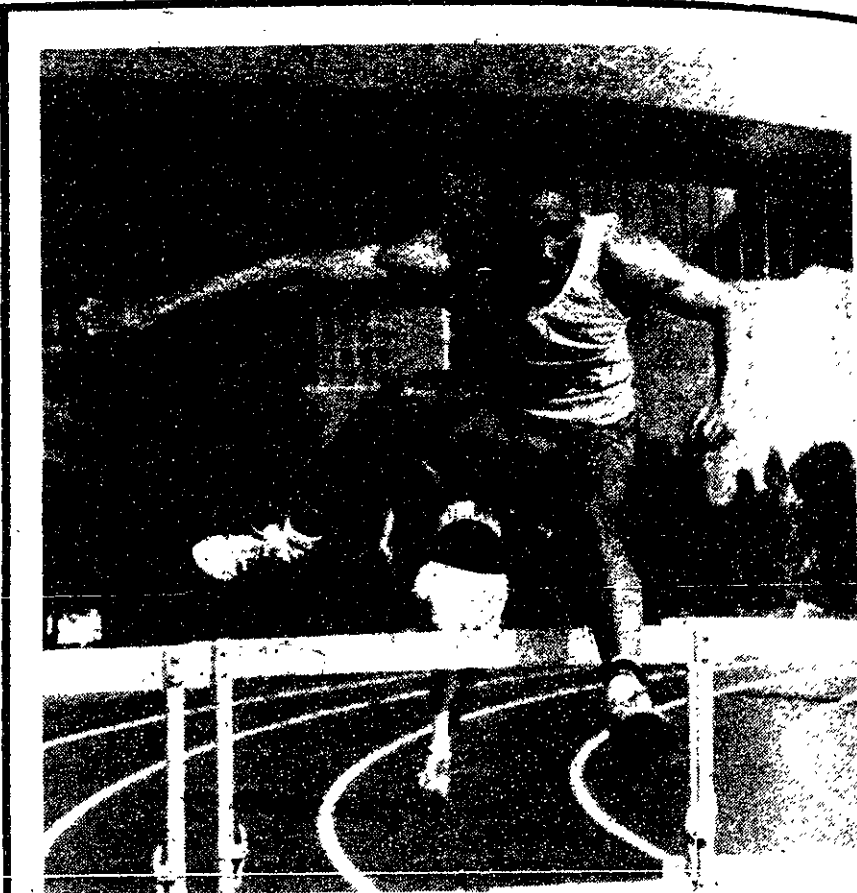
The men's lacrosse team squandered a 5-1 first-half lead Tuesday afternoon, losing, 9-7, to Babson College. The loss drops the Engineers' season record to 0-3.

Tom Dorf '88 led the team in scoring with three goals. Mike Gaidis '88 added two goals and a assist in the effort, and Mike Foley '87 and Tim Mattox '88 had a goal apiece.

## MIT wrestler heads for Mexico touney

Wrestler Keith Roberts '88 has been selected for the team of Division III collegiate wrestlers which will visit Mexico City this summer for the Augustine Briseno Tournament.

MIT's Tim Walsh will be the team's head coach. Walsh will be assisted by John Klein of Olivet College and Ron Johnson of Central College of Iowa.



Tech photo by Michael Halle

Ron Smith leaps in the 400-meter hurdles in last Saturday's track meet against Bates and Bowdoin. MIT dominated the events and won the meet.



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Please call Vicky Risk at the Office of Career Services, Room 12-190, ext. 4733, to say if you plan to come.

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