

## Construction goes on despite strike

By Diana ben-Aaron

The Building 39 Integrated Circuit Fabrication Facility will open on schedule despite a four-week sheet metal workers' strike, Anthony Colozzi, Integrated Circuit Fabrication Facility Manager, said last month. Colozzi is responsible for the design and construction of the building, which will be devoted to research into the manufacture of devices using Very Large Scale Integration (VLSI).

People are scheduled to begin moving into offices on the second, fourth, fifth and sixth floors December 1, Colozzi said. Because extensive ventilation will be needed to maintain cleanliness and safety in the laboratories, the rest of the building will not open until later this winter, he explained.

The fifth floor research labs will be completed between Jan. 7 and Jan. 20, and the rest of the second and fourth floor labs will be phased in next March, assuming no further delays, Colozzi continued.

The union of sheet metal workers has been on strike since early September and voted last night whether or not to continue the strike, Colozzi said. "If the strike ends this week... we have to work out a way people can move into the offices in December," he explained. The main problem will be assembling the heating system, he commented.

"The air handlers might not be working [because the sheet metal workers would not be available to install them]. In that case [researchers] could not produce hazardous products until the air handlers were finished," he explained.

If the strike continues, the construction schedule may be further affected, Colozzi said.

Basic safety precautions will be taken and access to the building will be permitted only on the third floor as a safety measure, according to John M. Fresina, di-

rector of the MIT Safety Office. "We will satisfy all the Environmental Protection Agency (EPA), Massachusetts Department of Environmental Quality Control (DEQE), and Occupational Safety and Health Administration (OSHA) requirements for hazardous substances," Fresina said.

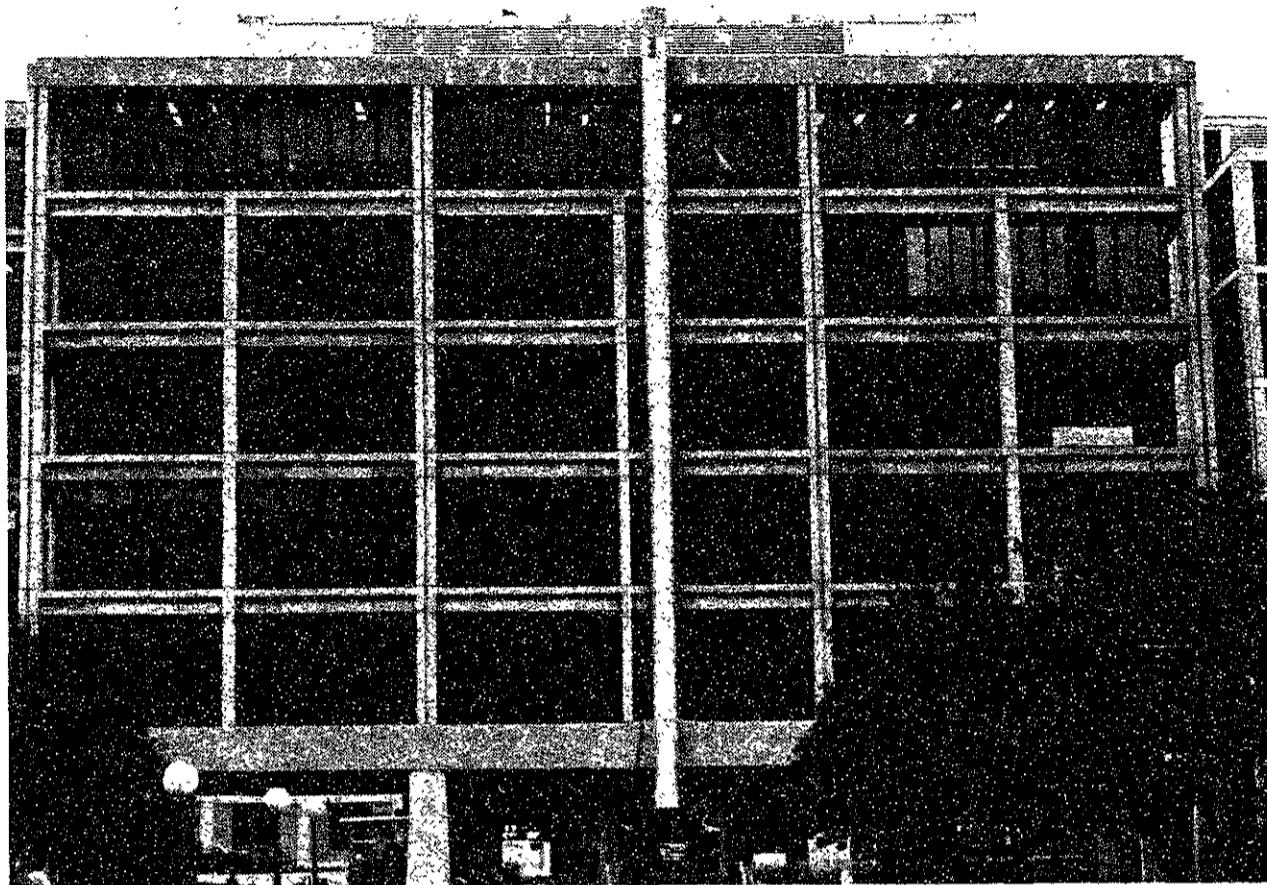
"We've taken some special precautions, and we think they are state-of-the-art, with poisonous gases," Fresina said. The laboratories will be thoroughly ventilated, and levels of poisonous gases in the area will be monitored using computers, he said.

There are no codes specifically governing work with poisonous gases, he noted. "The Semiconductor Safety Association puts out guidelines," he said, but adherence to them is not required.

EPA and DEQE impose standards for toxic wastes, including regulations on atmospheric emission levels, sewage pre-treatment, and holding tanks for waste solvents, Fresina said. OSHA codes regulate the limits for exposure to some materials, but there are no special standards for the semiconductor industry. "They don't care whether you're handling benzene for shipbuilding or telecommunications or semiconductors, you have to handle it a certain way," he commented.

Connectivity with other Institute buildings will be restored on the third floor only. "They did away with connectivity because of cleanliness. We have to maintain a Class Ten clean room. The building will be all one unit," Colozzi said. Only the second and fourth floors had previously been connected with adjacent buildings.

Ten professors from the Department of Electrical Engineering and Computer Science will work in the VLSI labs. Prof. Dimitri Antoniadis will direct the facility, and Prof. Paul Penfield will direct the Microsystems Technology Laboratory on the second floor.



Tech file photo

The Building 39 VLSI labs will open this winter on schedule.

## Delegates from Central America spoke at MIT, Harvard last week

By Greg Makoff

Delegates from four Central American universities gathered in Cambridge last week to address the repression and conflict they perceive in their home countries.

MIT and Harvard University hosted the Federation of Central American Universities, which held discussions at the MIT Department of Political Science Thursday and the John F. Kennedy School of Government Friday night.

The delegation included rectors — presidents elected by students and faculty — from the national universities of Guatemala and El Salvador, and student representatives from Nicaragua and Costa Rica.

The universities' roles are more than academic; they propose solutions to Central American problems and strive to "be heard

in the centers of political and economic decision-making," according to a federation statement.

The delegation stressed the importance of this role in societies that have few channels to develop independent analyses.

Students and faculty members have become targets of repression because many dissent to what they see as unjust economic and social structures, according to the statement. The situation is most serious in El Salvador and Guatemala, the delegates said.

Forty student leaders have disappeared this year, said Eduardo Meyer Maldonado, rector of the Guatemalan National University.

Miguel Angel Parada, rector of El Salvador's National University, recounted the army's occupation of his campus in June of 1980. Between 27 and 50 students were killed, he said.

The Salvador campus remained closed until last May. It sustained over \$26 million in damage during the occupation, Parada said. Many students must now sit on the floor unless they bring their own chairs, he continued.

Teachers held classes off campus during the four years, Parada said. Over 6000 of the university's 30,000 students attended the classes in secret, since teachers and students were prime targets

of paramilitary death squads, he said.

Juan Manuel Quesada, president of the student federation at the National University of Costa Rica, said Guatemalan delegates were arrested when they returned to their country after a recent meeting of the federation. They have not been seen since, he said.

Local military action is not the delegation's only concern. It also expressed its fear of direct US military involvement in El Salvador and Nicaragua — likely to originate from bases in Honduras, they charged.

Expansion of the military conflict could draw Costa Rica and Guatemala into the confrontation and engulf the entire region in war, according to the delegates.

The delegation said it hopes this trip will encourage American universities to play a more active role in promoting peace in the region.

The delegates also supported the Contadora process, an attempt led by Mexico, Panama, Venezuela, and Colombia to find a diplomatic formula to reduce tension in Central America.

Approximately 15 students and faculty members attended the MIT presentation, and close to 100 people were present at the Harvard forum.

## 15 MIT students live at Wellesley

By Brian E. Simmons

The Wellesley College-MIT Residence Exchange accepted 15 MIT students this year. Thirteen men and two women make up the fourth group of MIT students to live on the Wellesley campus since the program was reinstated in 1981.

Mary Z. Enterline, manager of the MIT half of the program, said the two schools had a residence exchange in the early 1970s, but it was discontinued in 1972 because of a lack of housing space at MIT. "The housing exchange resumed when the [dormitory] at 500 Memorial Drive was completed," she said.

Two subcommittees of the Wellesley-MIT Joint Committee

chose the students from a pool of 45 applicants. The committee selected the 30 students by ranking the top fifteen candidates from each school.

Two of the students did not follow through with their applications. The waiting list consisted of five Wellesley students this year. "MIT didn't construct a waiting list for MIT students who wanted to live at Wellesley," Enterline said.

The program is running smoothly, Enterline said. "It's still early in the year, but we haven't had any problems with the exchange this year."

Dorothy Moeller, head of the program at Wellesley, said 13 Wellesley women are living at

MIT this year. "I haven't heard about any problems that the Wellesley women participating in the residence exchange are having at MIT," she said.

Each school holds an orientation meeting for the students involved in the exchange. "I think it's important to hold an orientation meeting for the Wellesley women to help them get acquainted with the lifestyle here at MIT," Enterline said. "I try to make sure that they know what they are getting into."

"A lot of things here at MIT are decentralized," Enterline said. "Wellesley students involved in the exchange have to figure out what they need here, and where to get it."

Moeller includes MIT students in the orientation for transfers she holds each year. "At the beginning of the term, it seems that the MIT men are sometimes overwhelmed to be the only man in a class full of women, but they quickly get used to this fact."

"One former student told me the hardest thing for him was walking into the dining room alone and being the only man there," Moeller said. "But it appears that MIT women who live here at Wellesley enjoy being in the majority."



Tech photo by Jonathan Cohen

Mary Z. Enterline, director of the Wellesley-MIT Exchange Program.

## inside

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A menu of great escapes for the long weekend. Page 13.

Baroque bacchanalia in Beantown. Page 15.

Water polo inches ahead in invitational. Page 23.

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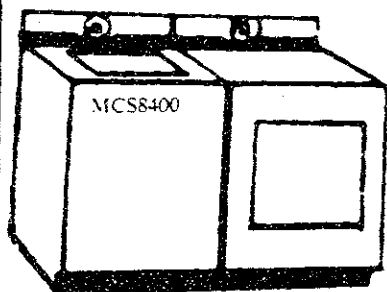
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## news roundup

### World

**Ortega alleges US attack** — Nicaraguan leader Daniel Ortega Saavedra accused the United States of planning a military offensive to prevent the Latin American nation's Nov. 4 elections. Ortega, speaking to the United Nations, also charged that the US was responding to Latin American peace attempts with terrorism and the installation of military bases. An official from the US State Department called the allegations "absurd."

**Schultz refuses Lebanese appeal** — Secretary of State George P. Schultz PhD '49 turned down a Lebanese plea to arrange the withdrawal of Israeli forces now in Lebanon. The request came because the Lebanese government will not negotiate directly with the Israeli government. There must be more agreement among all parties involved before a withdrawal is possible, he said.

### Nation

**ACT test scores rise** — Scores on the American College Testing Program's examination rose by two-tenths of a point last year to 18.5 on a scale ranging from 1 to 36. The scores on the test have remained relatively stable, fluctuating between 18.3 and 18.6 since 1975, which marked the end of a lengthy decline that began in the 1960's. The announcement comes within a week of an announcement that Scholastic Aptitude Test scores also had risen.

### Local

**Massachusetts drinking age to be 21** — The Massachusetts Senate overwhelmingly voted to raise the state's drinking age from 20 to 21. The move follows federal legislation refusing millions of dollars to the state in highway funds if the legal age was not raised. The House approved the measure last June, and Governor Michael S. Dukakis said the state had "no alternative" to raising the age. The change will take effect June 1.

### Sports

**Hey Hey Hey** — The Chicago Cubs need just one more win over the San Diego Padres to clinch the National League pennant. They pounded the Padres 13-0 before a crowd of 36,282 on Tuesday, booming in five home runs. The 13-run margin over the mustard-colored Padres was the worst playoff beating ever. The next day, the Cubbies edged out their shell-shocked opponents 4-2.

**Tigers, too** — The Detroit Tigers also hold a 2-0 lead over their opponents in the best-of-five American League playoffs. They took down the Kansas City Royals 8-1 last Tuesday with ace pitcher Jack Morris confounding the Royal bats. "We had to [win]," manager Sparky Anderson said, "because after hearing that all these other teams were the best this or best that since July 18 or June 1, being the best in October is the only thing that counts." Sparky nearly ate his words when the Tigers barely squeaked by the Royals 5-3 in the 11th inning of the second game. Designated hitter John Grubb pulled a pitch up the right-center-field gap for two runs in that inning.

### Weather

**No wet stuff, but...** — Today should be sunny, but also windy, with a low around 50. Expect temperatures of 35-40 tonight. Tomorrow will be sunny but chilly, with little chance of rain. The next few days will be cool, with no precipitation in sight.

Charles Jankowski  
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# opinion

Column/Charles P. Brown

## Many students exceed limits

Third in a series.

There are several types of petitions to the Committee on Academic Performance filed by students who have had previous academic and financial difficulties.

The most common such petitions are requests to exceed a prescribed unit limit while on academic warning. The CAP is authorized to constrain a student's course load to a maximum or minimum number of units after a semester of poor academic performance.

The CAP usually sets 48 units as the normal credit limit, routinely raising the limit to 51 units (not to exceed four subjects) for Course VI students who still have a 15-unit requirement to complete.

Until last fall, students under academic warning had to be within the credit limit by Drop Date, the tenth week of the semester. The week after Drop Date students who exceeded their credit limit would be warned that they must drop a course, or the CAP would drop one for them. Unfortunately, this just did not work.

The rationale for a credit limit is that it forces a student to concentrate his or her efforts on an "average" number of courses in an attempt to reverse previously poor academic performance, and it prevents "overloading" in an attempt to make up for lost ground. Allowing students on

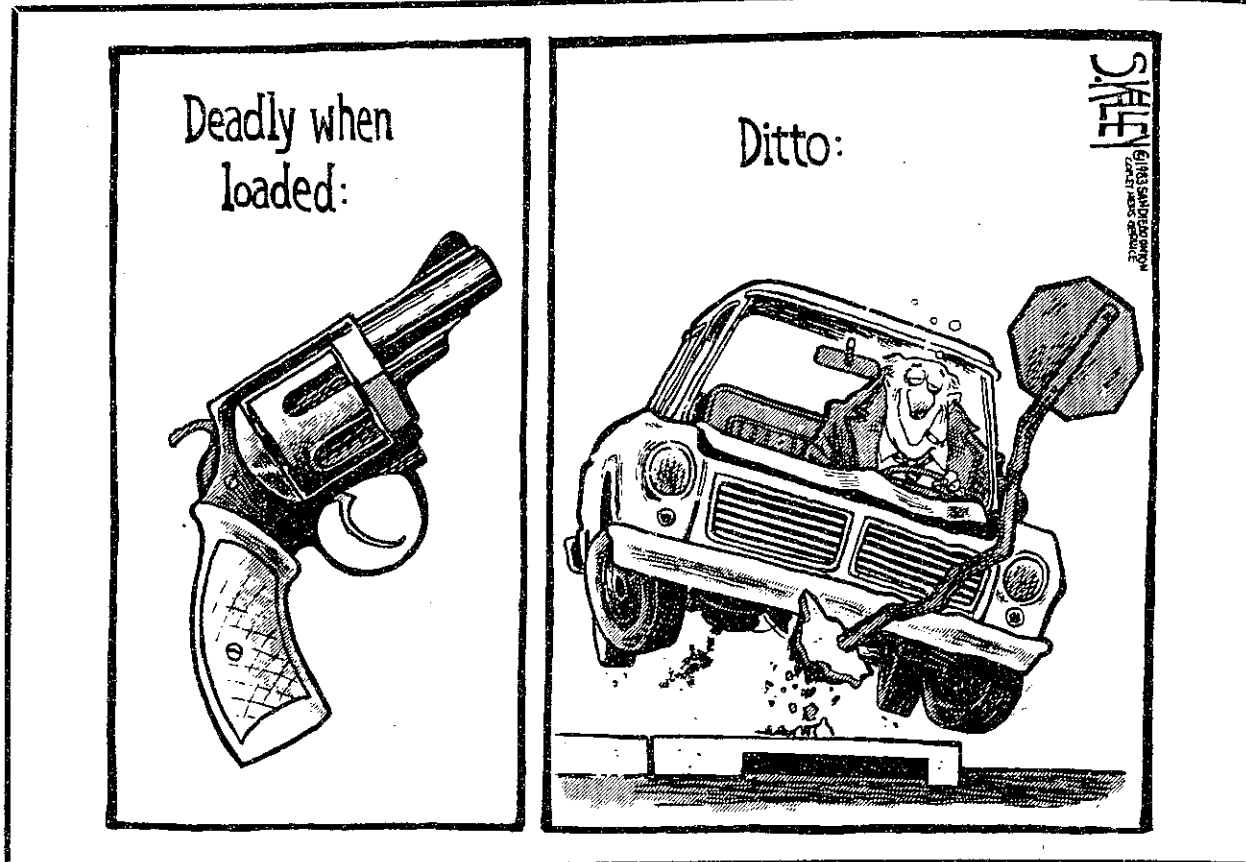
warning to stay above the credit limit until Drop Date permits them to essentially circumvent the credit limit for ten weeks. The main objective of many of these students was probably to maintain a grade acceptable to the CAP in all their courses, and then petition just after Drop Date to exceed their credit limit. The result was usually another poor academic semester and another warning or a required withdrawal.

The committee discussed this problem last fall, and decided that starting in the spring of 1984 students with a credit limit would be warned about exceeding their limit on Add Date.

At the end of the spring term, particularly the last month, there were many fewer petitions to exceed the credit limit so the policy was at least partially successful. Perhaps the only way to totally avoid those petitions at the end of the semester is to forbid students on a credit limit to register for more than their limit.

The other credit limits that students petition to exceed are the freshman limits. Freshman credit limits are viewed as a safeguard against abuses of Pass/Fail, and requests to exceed them are almost always denied.

The CAP receives a small number of petitions each semester for reinstatement or cancellation of a semester. Petitions for cancellation (Please turn to page 5)



Column/James F. Kirk

## Raising legal age not solution

So they want to raise the drinking age? Well, I'm afraid I will have to break ranks with Reagan on this one. I am well past the age in question, so I can flame on this issue without fear of charges of self-interest.

Drunk driving is definitely a problem. Of some 50,000 automobile fatalities and some 2 million injuries each year, over half occur in accidents involving drunk drivers. No matter how disproportionate their representation in these statistics, however, intoxicated young adults are not the problem.

"Is this guy crazy?" you think to yourself; but wait. Any self-respecting liberal worthy of the title will laugh derisively upon spying a National Rifle Association bumper sticker proclaiming, "Guns don't kill people, people kill people!" This derision holds the key to solving the drunk driving problem.

Let's face it, the present methods for curtailing drunk driving really do not address the problem of intoxicated people getting behind the wheel. Fines are burdensome to the poor and inconsequential to the rich. Suspending drivers' licenses fails on two counts.

Denying a driver the authority to drive while sober is a punishment whose impact depends on the importance of driving to that individual; again burdensome to some, inconsequential to others. Second, more than a few drivers drive without licenses anyway.

As for jail, some policemen do not want to arrest a drunk driver if that arrest will send the driver to jail when there has been no accident. After an accident? Most drunk drivers are truly repentant after smearing some kid for twenty feet along a bridge abutment. The judges are loath to punish with imprisonment anyone who is truly repentant, and society gains little else from imprisoning drunk drivers.

Finally, raising the drinking age has several shortcomings. It will not affect drunk drivers over the age limit. It inconveniences law-abiding young adults. The type of person who would try to circumvent the law is probably a more likely candidate for driving while intoxicated (DWI) anyway, so raising the age is only an inconvenience to the would-be drunk driver.

The solution? Don't hold the people responsible, hold the cars responsible. When a gun is used in a crime, it is impounded. Why

not impound the car for, say, sixty days when a driver is caught DWI, independent of who owns it (except in the case of stolen cars)?

This gets the judges and the cops off the hook. They are no longer the heavies coming down on the little guy. They are merely denying someone the use of a particular piece of property for a short period of time.

Drivers who truly need to drive for their livelihood will still have the authority to do so, provided they can convince someone that they will stay sober while driving the car they want to borrow. This gets society involved in evaluating the rehabilitation of drunk drivers on a very personal level. The

exchange goes something like this: The query, "Frank, my car was impounded, can I borrow yours?" The reply, "Sure George, but if you get my car impounded, I'm going to give you a haircut using a baseball bat."

Rental agents will love this law. What agent does not enjoy renting a car for sixty days? If that one gets impounded, all the better. A few good drunks could put a rental agency in the black for the year.

But best of all, it addresses the real problem: the ready access to automobiles that drunk drivers of all ages possess. If society can not or will not restrain drunk drivers, then, at least, it should impound their cars.

## The Tech

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## feedback

### Porn very educational

To the Editor:

Recently, there has been quite a debate over the showing of pornographic films on campus. Many letters have been published *The Tech* opposing the showing of these films on the grounds of immorality, and the insinuation that they are degrading to women. Just as many letters, however, have appeared saying that whether or not they are immoral or degrading, the First Amendment of the Constitution guarantees the right to show and view them. I thank the people who support this notion.

The purpose of this letter is not to reaffirm that self-evident argument, but to enlighten the opposers of pornography to a different, but very basic, point of view. Because of my strong conviction in this area and the evident need for this opinion to be stated, I will risk personal ridicule to reveal my argument.

I enjoy viewing pornographic films.

In times such as these when sex has become such an integral part of our society, it is no wonder that young men and women seek the advancement of their understanding of the human sexual response, sensuality, and love. Many would argue that love and sensuality have little to do with pornography, but, these people have obviously not seen a great many pornographic movies. I have found that some of them are exceptionally well written with good acting and very emo-

tional, erotic themes.

Watching pornographic movies stimulates my libido. Considering my age, this is not a big problem for me, but many middle-aged men and women find themselves afflicted with various forms of impotency. As I looked around the Pussycat West End theatre recently, I found that the audience was not filled with leather and chain-wielding motorcycle gangs, nor shaved-head psychopaths wearing long trench coats with their hands in their pockets. The average viewer was a middle aged professional wearing clean expensive business clothing who would probably return to her/his spouse that evening and satisfy her/him more than she/he has in several months, possibly averting a divorce or mitigating disputes. I am sure that some of these couples have children attending MIT.

Pornographic movies are a valuable learning tool. Many male students can sympathize with the argument that dating competition is fairly stiff around MIT. A valuable asset for anyone seeking intimate companionship is an active knowledge of the needs, desires, fears, anxieties, and responses of a potential companion. One of the best sources of such knowledge is pornographic films; not only for physiology, but also for insight into the fantasies people have, why they have them, and how a partner can best make them come true. The second most common viewers are young couples seeking

(Please turn to page 7)

# opinion



"I'm not quite sure. It could be a benign \$1,700, but there's a chance it's a malignant \$18,000."

## CAP considers readmissions

(Continued from page 4)

tion of a semester are granted usually only if there are extenuating medical or personal circumstances, accompanied by strong support from the Office of the Dean for Student Affairs or the Medical Department.

The petitions for reinstatement of a semester almost always center around financial difficulties.

Until last year, students who did not pay their Institute bill were withdrawn from the Institute and were not permitted to re-register until they settled their account. Students who lost a ROTC scholarship or who were unexpectedly denied a loan in the middle of a semester were faced with the prospect of finding a new source of support in addition to completing their course work. This encouraged students to complete the semester, and to petition for reinstatement of the full semester when they had their account settled.

In the past, students have petitioned the CAP to reinstate one, two, or even three semesters. MIT obviously does not want to encourage students to take subjects without paying for them, but it is extremely difficult for the committee to deny such a petition.

A working group with representatives from the area of student financial services developed and implemented a new policy starting last spring: students who are not able to pay their bill during the semester will be allowed to finish the term but will not be allowed to register for further semesters until their accounts are settled.

Finally, the CAP also receives petitions from students seeking readmission to MIT after being required to withdraw.

When the CAP requires a student to withdraw, it stipulates whether the student's readmission will be through the CAP or the Office of the Dean for Student Affairs.

In the past, the CAP recommended what a student should do during his absence from MIT. Beginning this year the committee has had the various academic departments and the ODSA make these recommendations. It is almost impossible for the CAP to recommend a meaningful program for a student to follow during the short time it discusses a student's case.

Usually the CAP will readmit a student after one required withdrawal. There have been cases where students, after a required withdrawal, have been denied readmission due to a combination of terrible academic performance at MIT and a lack of progress while away from MIT.

A student stands a reasonable chance of a second readmission if he has several acceptable semesters of performance at MIT and

done above average work at another school or worked in a professional capacity in his field. It is extremely difficult to be admitted a third time; three strikes and you are out.

Unfortunately, the CAP cannot flatly withdraw a student and deny possibility of readmission. There were several readmission

petitions last year from students who had been denied readmission three, four, and even five times, yet they were petitioning again for readmission. If the committee ever writes you and bluntly states that it sees no prospects for your success at MIT and recommends you go elsewhere for your education, believe it.

Column/Joseph L. Shipman

## Moral judgements must enter policy

Second of three parts.

This summer Ronald Reagan asserted that "religion and politics are necessarily related." He defended this thesis by saying that politicians cannot ignore moral issues, and that "religion is the basis of all morality."

That last line got a lot of applause from the fundamentalist ministers he was addressing, but it is certainly questionable. I have atheist friends who would be very insulted if someone told them they had no morals. It is not clear to me that one must believe in a supreme being (or beings) in order to be "moral." In fact, when leaders of groups like the "Moral Majority" denounce atheists as evil and dangerous, they often seem to me to have rather a childish view of morality: you'd better not lie, cheat, and steal because God will send you to Hell, and since atheists don't believe in God or Hell you'd better watch out, as there's nothing stopping them.

Nonetheless, the first premise

of Reagan's syllogism is valid.

Politicians cannot ignore moral issues. At least, they ought not to. Almost any political act has a moral dimension. Even something as mundane as a change in the tax code raises issues of fairness. (Remember Geraldine Ferraro's famous line: "[Reagan] claims to be a good Christian but I don't believe it because his policies are so terribly unfair.")

Consequently, since it is one of the jobs of religious leaders to speak out on moral issues, it seems strange to tell them to keep silent during political campaigns.

That is fine, many will say, but don't we have to draw a line somewhere? After all, we don't want to reestablish organized prayer in the public schools, or outlaw birth control, do we? (Actually, the Catholic church in America has not said recently that birth control should be outlawed, although it has resisted legalizing it in other countries.)

Well, it's a free country, and if

(Please turn to page 8)

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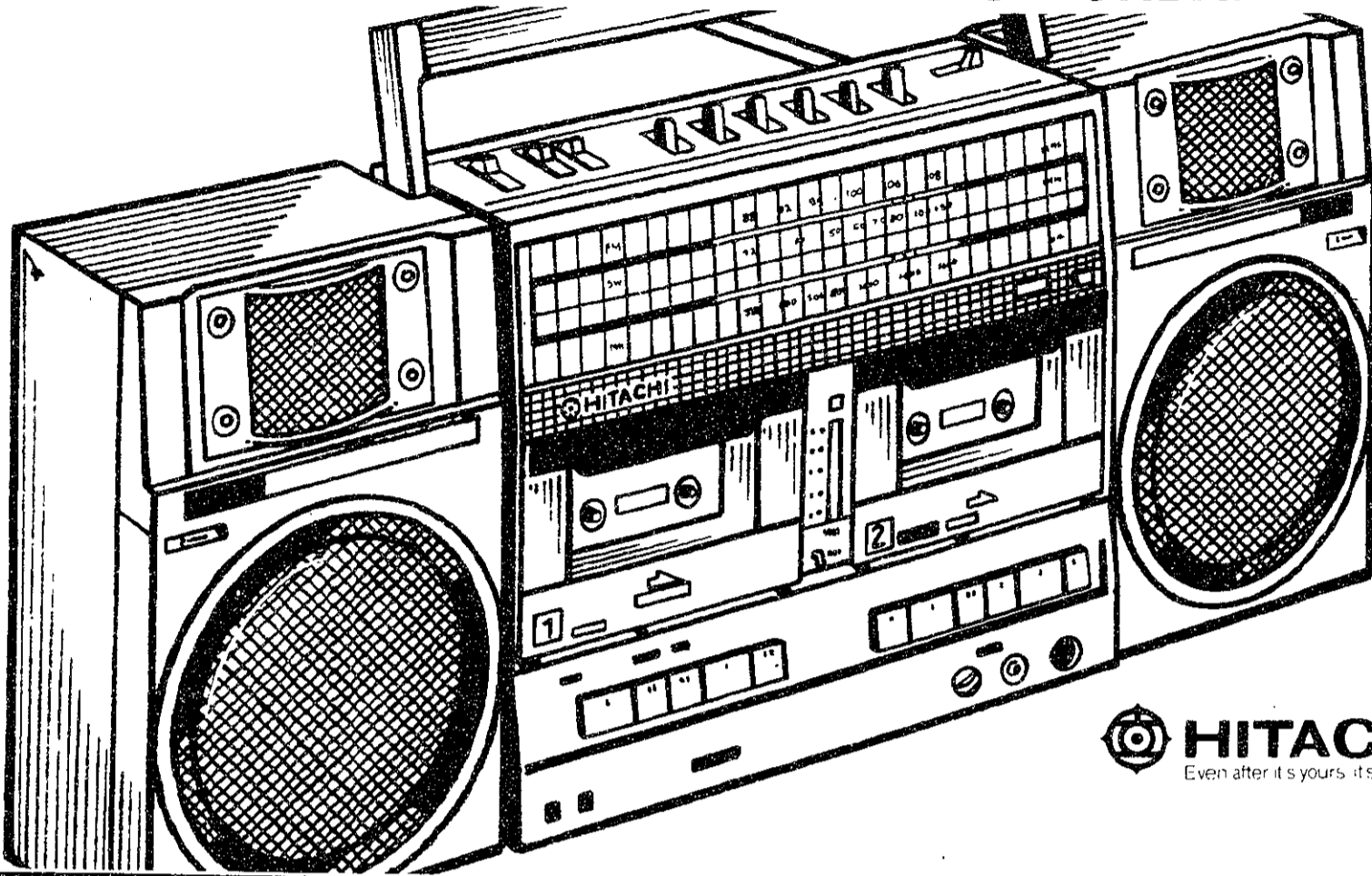
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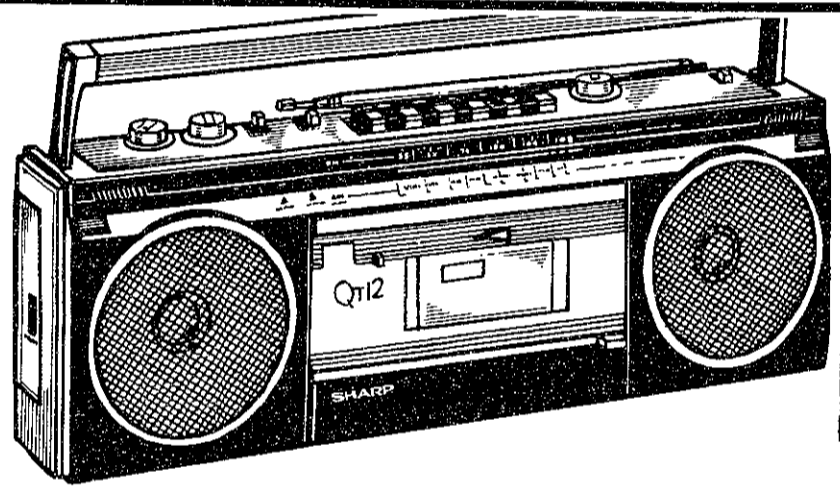
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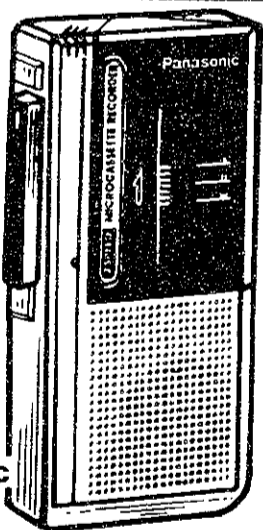
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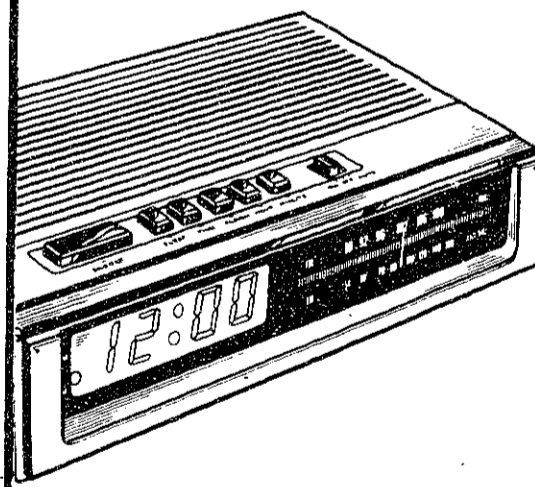
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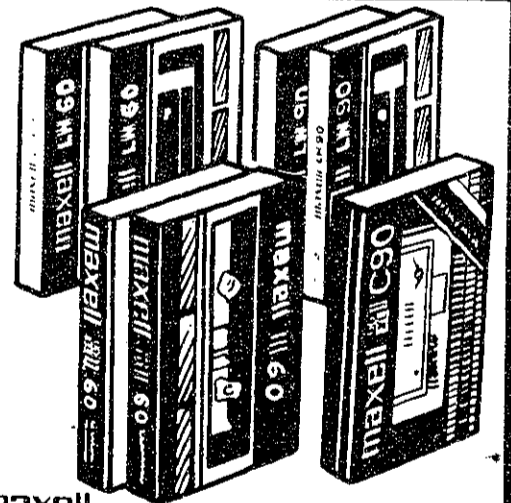
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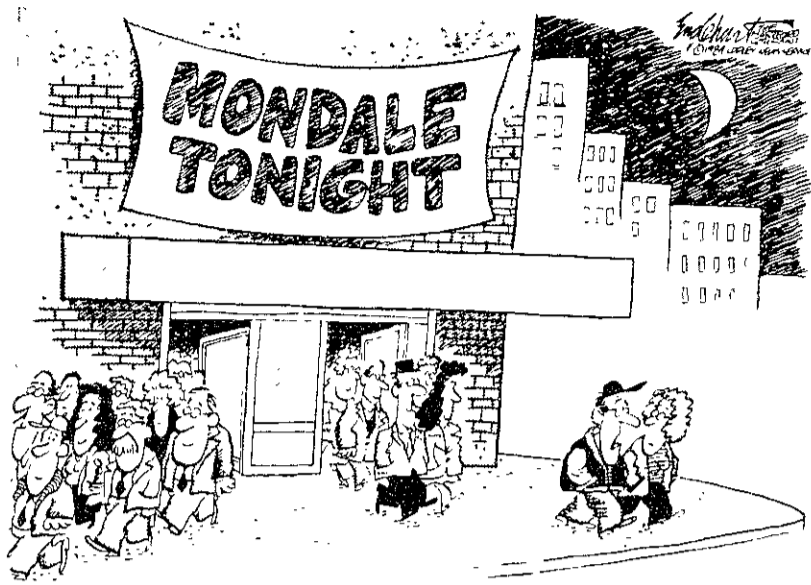
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# opinion

"I DON'T KNOW...  
HE SEEMS SO  
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## feedback

### Should MIT be exempt from law?

To the Editor:

MIT's recent request for an exemption from the state right-to-know law raises the issue of safety at MIT. MIT Student Pugwash, an organization concerned with the socially responsible applications of science and technology, hopes to promote discussion of safety at the Institute in an open forum to be held in the near future.

The right-to-know law, which became effective on September 26, gives employees the right to obtain information from their employer on the potential hazards posed by chemicals in the workplace. In the request for an exemption, MIT claims that the Institute safety practices and standards already exceed the protection offered by the right-to-know law. Thus, according to MIT officials, an exemption would relieve the Institute of the onerous bookkeeping required by the law, without sacrificing safety.

Student Pugwash would like to hear what the Institute community thinks about safety at MIT. Pugwash is concerned that MIT's request for exemption may not address certain potential safety problems. We would like to raise two issues for the MIT community to consider: the role of advisors in informing lab members of potential risks and insuring adequate safety education, and the significance of the hazards posed by chemicals which may have chronic or long term effects.

Safety information and advice is available at MIT from several offices, including the safety office and the environmental medical service. These offices do not have any "policing" function. The responsibility for informing lab workers and students of potential hazards in the lab, and for monitoring their procedures, falls predominantly upon faculty advisors or principal investigators.

Do advisors take an active role in informing their students of potential hazards? Many advisors are seldom in the lab, and may therefore be unaware of their students' practices. Furthermore, if students have not received guidance from their advisors, or have disagreed with them on safety issues, they may be reluctant to air those problems, fearing that it could damage the student/advisor relationship.

One justification for the exemption is MIT's apparently excellent safety record. According to John M. Fresina, Director of the Safety Office, there have been only twelve serious accidents requiring student hospitalization in the last twenty years. Although this is certainly commendable, one might ask how many less serious accidents go unreported.

Also, there could be many instances where students or staff are exposed to hazardous levels of chemicals or radiation, knowingly or unknowingly, but do not require hospitalization. Such cases may go unreported because

the potential effects are uncertain or long term. This last issue raises the question of whether accident statistics are a meaningful measure of safety.

Student Pugwash would like to  
(Please turn to page 9)

### Likes pornography

(Continued from page 4)  
to heighten their sexual awareness by seeing new and different sexual acts, situations, and roles and to analyze them from an objective point of view. I have seen pornographic movies with large and small groups of friends (both male and female), girlfriends, and alone, and all agree the experience was educational.

Pornographic films relieve me of suppressed sexual anxieties and free my mind for activities such as school work.

I feel that pornographic films are educational, enlightening, and enjoyable. I'm not asking anyone to adopt my opinion, nor am I saying that I am right and you are wrong. All I ask is for you to understand that I am right and you are wrong. All I ask is for you to understand and accept my opinion. I am not a criminal, nor a violent person. I have many friends who trust me, and have been told I am a fairly competent boyfriend by past girlfriends. As far as pornographic viewers at MIT are concerned, I am the rule, not the exception. I dare anyone in this community to tell me that I am any less moral than

they. Nobody has the right to dictate what is right or wrong as far as pornography goes. It is all opinion. It is a violation of my First Amendment rights to attempt to hinder my enjoyment of these movies. I respect and understand other persons' opinions and beliefs and I request only the same courtesy.

I believe the demand for pornographic films is quite high here, judging by the lines that precede them, and I believe that MIT should remain objective and allow students to choose their own entertainment. I thank the Lecture Series Committee for treating the students as mature adults, rather than as children at a summer camp, bringing mature themes to the screen and sparing me the risk of walking through the Combat Zone at night.

If you don't like porn films then don't go see them. Surely there must be some other activity you could think of during the one or two nights a term they are shown. Again, I feel very strongly on this issue and welcome the opportunity to confront opposing opinions.

Warren Jay Katz '86

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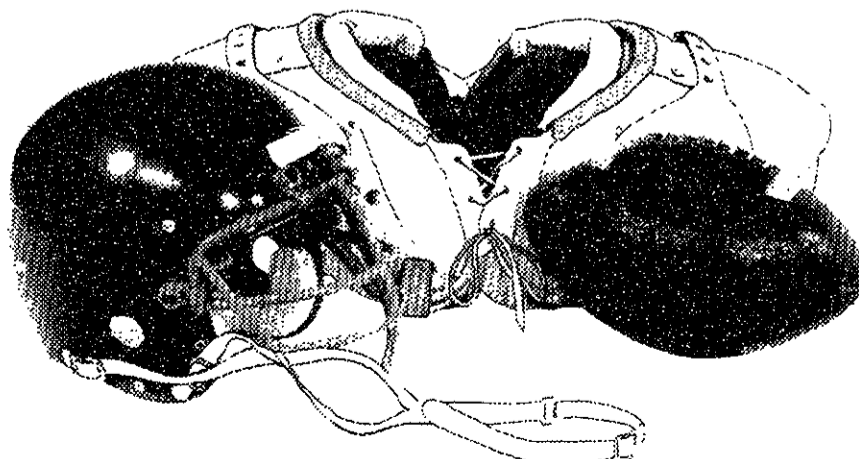
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## notices

### Listings

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

### Tuesday, Oct. 9

**Beth Israel Hospital's Mind-Body Group Program** can teach you to manage your stress by using the relaxation response, awareness training, and exercise. New groups begin today. For more information, call 735-3154.

### Wednesday, Oct. 10

**Beth Israel Hospital's Quit Smoking Program** helps participants master the art of controlling the urge through hypnosis, relaxation techniques, and the use of new Nicorette gum. New groups begin today. For more information, call 735-4735.

Monthly meeting of **Computer Professionals for Social Responsibility (CPSR)** at 7:30 pm at MIT, 545 Technology Square, room 800. Discussion topic: "Transforming Concern into Action". Public is welcome. For further information contact Steve Berlin, 253-6018.

### Thursday, Oct. 11

The MIT International Shipping Club announces its first fall seminar: "In Search of a U.S. Maritime Policy" with speaker Mr. Richard Daschbach, former chairman of the Federal Maritime Commission. It will be a 30-50 minute lecture, followed by discussion and questions. The seminar will take place in the Sloan

School of Management, E51-311 and begin at 4:15 pm. Everybody is welcome.

### Friday, Oct. 12

The **United States Air Force** will have a specialty theater van at MIT to enlighten students with current Air Force programs and career opportunities. The van will be located between Buildings 33 and 9 on Mass. Ave from 10 am to 3 pm.

### Sunday, Oct. 14

The **MIT European Club** announces a foliage trip to Sandwich Mt. in the White Mts., NH. Leave at 8 am, return at 8 pm. For information and reservation call Manfred 623-2986 (home), Guillemette x3-6483 (day). Members and non-members welcome.

### Monday, Oct. 15

**Teach an adult to read.** If you have just 2 hours a week to spare you can become a volunteer basic reading or ESL tutor and help

one of Boston's 100,000 illiterate adults learn to read. The **Adult Literary Resource Institute** is offering tutor training from 6 to 9 pm at 625 Huntington Avenue, Administration Building, Room 210 to persons interested in volunteering at one of the 15 learning centers serviced by the Institute. No prior teaching experience is required — just a high school diploma and a desire to help. Call Sandra Johnston-Smoake at 232-4695 or 734-1960 ext. 112 for details.

### Tuesday, Oct. 16

A career workshop on "What Am I Worth? Negotiating Your Salary", sponsored by the Jewish Vocational Service, will be held from 7:30 to 9:30 pm at Gosman Jewish Community Campus, 333 Nahant Street, Newton Centre, MA. Fee is \$15. To pre-register, please contact Meryl Glatt 723-2846 or Emily Kirshen 965-7940.

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# opinion

Column/Adam B. Rosen

## Sex, drugs, and cockroaches

"NEW HAVEN - Chemists at Yale University have produced a synthetic cockroach aphrodisiac. . . the result could be a new way of killing *Periplaneta americana*, the American cockroach, which now infests seven continents and is particularly well known in the New York metropolitan area."

— *The New York Times*, Wednesday, September 26, 1984.

Will wonders never cease? Within ten days of my column on the roach problem at MIT ["Killing roaches in the dorms" September 18], Yale scientists announced a solution. Maybe those Ivy boys have something on the ball after all. Here's their theory:

A chemical substance, periplanone-B, is used to lure male cockroaches into a trap. When exposed to the chemical in high enough quantities, the male insects go into ". . . sexual frenzies. . ." They immediately stand on their back legs and start flapping their wings madly. This behavior lasts approximately twenty minutes, followed by a fifteen minute cooling down period. Do roaches smoke cigarettes?

The article continues, "It is easy to see then that they are suffering from severe sexual fati-

gue' . . . this often means having broken antennae, gnawed legs and tattered wings."

Presumably, that would be enough to kill your average cockroach. But what of those few, resilient individuals who, far from dying, thrive on this kind of sexual activity? We would have produced a race of super-cockroaches, living twice as long as normal, whose sole intentions would be finding periplanone-B and getting their kicks. Once they learned to handle their newfound sexuality they would start having more babies, who would, in turn, repeat the process, *ad infinitum*. My, my, what kind of maelstrom would result?

The scientists, however, do not foresee this conclusion. Their responses to the scenario above would be quite predictable:

"Yes, we agree that a minority sub-group could survive, with a tolerance to or dependence upon periplanone-B, and that these few would eventually rebuild the whole species," they would say. "However, their initial ranks would be few in number and easy

to kill. Conventional anti-cockroach weapons would still work against them."

This debate might not concern us at all; periplanone-B doesn't affect the German cockroach. "In northern cities," says the *Times* article, "American cockroaches are outnumbered slightly by German cockroaches, which are smaller and a lighter brown." Thanks to the virtues of imported pests, we've been spared a major moral dilemma.

Perhaps I'm being too brazen about the whole idea; after all, I'm also guilty of first degree cockroachside. Besides, if they've got to die this seems like a fantastic way. Before passing judgement, one final quote from the article is appropriate:

"The only person who took the project seriously, Dr. Schreiber said, was his wife, who asked him to wash his hands more carefully than usual for fear any pheromone on them would one day bring home a trail of cockroaches."

The defense rests.

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## ARTS

## Hüsker does

*Zen Arcade*, a new double LP by Hüsker Dü on SST records; \$10; 75 minutes.

Let's start by saying that this latest release, *Zen Arcade*, from Hüsker Dü is a bit different. In fact, Hüsker Dü itself is a bit different.

For those of you who are unfamiliar with them, Hüsker Dü (a Scandinavian phrase meaning "do you remember") is a hardcore band from Minneapolis (the same city that brought us the phenomenon of Prince). Since their emergence around 1980 they have attracted a fairly large following among the hardcore crowd. To date they have released one live LP, two EP's, and one 45. Last year's *Metal Circus* EP gave just a slight hint of what was to come on *Zen Arcade*.

*Zen Arcade* is a double LP, which is very unusual for a hardcore band. Most bands of this genre have a hard enough time putting out a single LP. (The Minutemen, another hardcore band, have also just put out a double LP, but that is another review.) Make no mistake about it, however, there is not one second of filler on this record. This is not just four sides of hundred-mile-an-hour trash, or four sides of droning heavy-metal power chording. The musical style varies widely, displaying a range of musical influences ranging from folk-rock to the classics of Bo Diddley. Within the four sides of this album Hüsker Dü has broken out of the confines that the hardcore label imposes on most bands.

Songwriters Bob Mould and Grant Hart use their songs to reflect their observations of life. Much of the album is cynical and angry, questioning the conventions imposed by society. The two songwriters also question what people do and say in their everyday lives. The first song, "Something I Learned Today," sets the tone for much of the rest of the album.

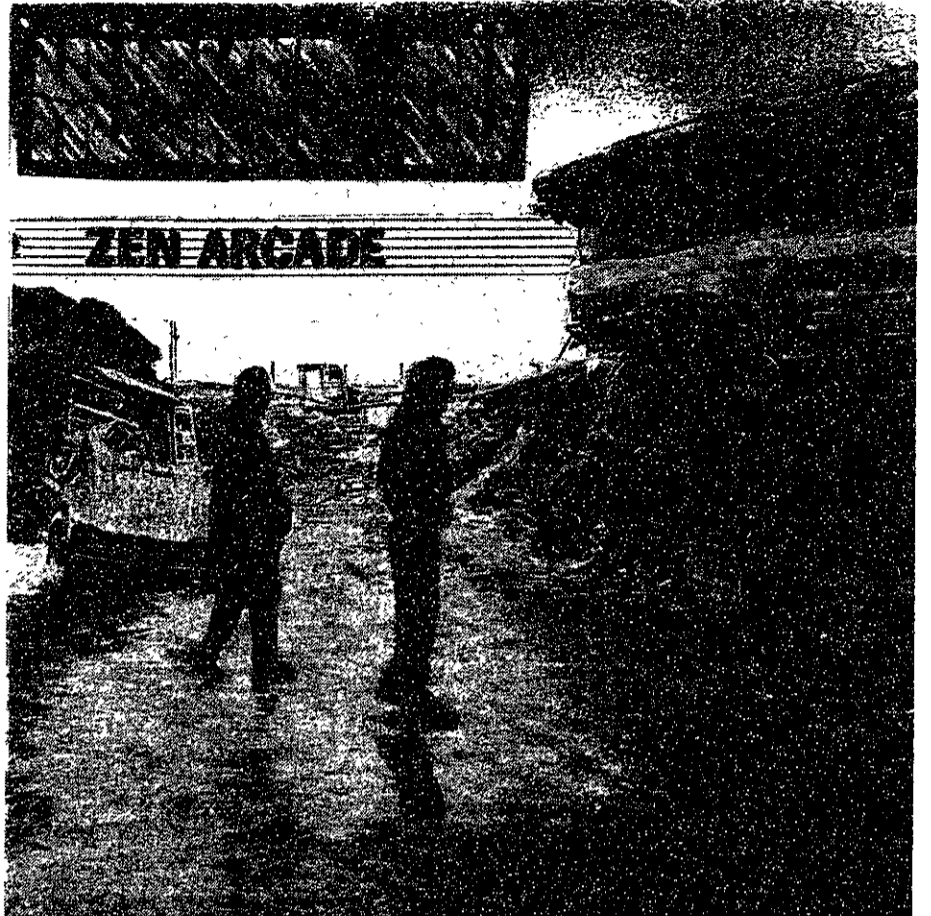
*Something I learned today  
Black and White is always grey  
Looking through the window pane  
I'm not inside your brain  
Something I learned today  
Yield to the right-of-way  
Stopping at a 4-way sign  
Someone else's rules, not mine...*

Most of the other songs are in the same vein. Guitarist Mould and drummer Hart seem very concerned about the present state of affairs, and there is extreme urgency in their voices as they trade off vocals. In songs like "Turn on the News," they exhibit no hesitation in their view of the world:

*If there's one thing that I can't explain  
Is why the world has to have so much pain  
With all the ways of communicating,  
We can't get in touch with who we're hating  
So turn on, turn on, turn on the news  
I hear it everyday on the radio  
Somebody shoots a guy he don't even know  
Airplanes falling out of the sky  
A baby born and another one dies  
Highways fill with refugees  
Doctors finding out about disease  
With all this uptight pushing and shoving  
That keeps us away from who we're loving*

Greg Norton's bass provides a solid beat to all this philosophizing. In certain songs he displays amazing speed — check out the bass lines on "Reoccurring Dreams." The combination of Norton's bass and Hart's drumming produces a classic hardcore rhythm throughout the album. Of course, Hüsker Dü just wouldn't be Hüsker Dü without Bob Mould's tremendous washes of distortion and compression combined with whining solos that make the sound unique.

"Never Talking to You Again" is played



entirely with an acoustic guitar (and this band is called hardcore?), and its lyrics are basically in tone of the rest of the album. But it could easily be mistaken for something from R.E.M. Hüsker Dü also displays some studio aptitude on "Dreams Reoccurring" (which is actually a portion of "Reoccurring Dreams" played in reverse) and on the backing tapes for "Hare Krsna."

Side two contains the album's hardest songs. "Beyond the Threshold" and "Pride" are at the top of the hardcore heap. The thirteen-minute instrumental "Reoccurring Dreams" concludes the album, and is totally unlike anything else on it. Mould, Norton, and Hart all display proficiency on their instruments, and in spite of

its length, "Reoccurring Dreams" does not even approach boringness. At times it is very reminiscent of some of Jimi Hendrix's live jams.

*Zen Arcade* establishes Hüsker Dü as one of the most important bands of any type to come out of the early 1980's surge of bands. This album is worth listening to, even just for the wide range of styles that it displays. Hüsker Dü obviously has a message to get across in their music and lyrics. They don't preach, they observe, and some of their observations are more than you would expect from a hardcore band.

Don't be put off by the price of a double LP; buy this album.

Adam Ryssdal

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Wednesday, October 17, 1984  
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- Manufacturing Systems
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- Guidance and Navigation Analysis
- Electronic System Engineering
- Optics
- Instrumentation System Development

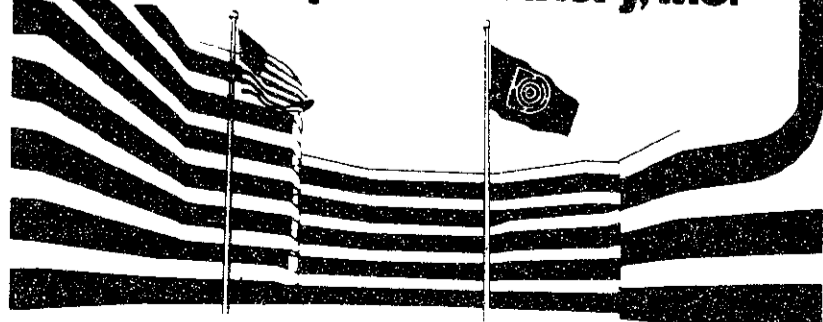
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# ARTS

## Things to go...

Welcome to the first long weekend of the school year. Here are some suggestions for the motivated student wishing to do something different.

Most of these suggestions require a car. If you do not have one, National Car Rental and Avis rent to people 18 years or older with a major credit card or a deposit. Many places in Harvard Square rent cars cheaply; believe it or not, the Avis location in Harvard is one of the cheapest places to rent a car at the weekend anywhere in the Boston area.

Additionally, both Avis and National have locations at Logan Airport open 24 hours a day, although if you want to go to Logan, try Alamo, which has the cheapest deal in town.

**Suggestion #1:** Fall Foliage Tour. Take Route 93 from Boston up to Concord, New Hampshire. Concord, the state capital, will be slightly south of the peak foliage, so consider trekking further north. Laconia makes a fantastic final destination. The area houses many factory outlets for shoe and shirt manufacturers in New Hampshire and Maine. The foliage in New England, at its peak, ranges from green to yellow, to brilliant orange, to flaming red, and even purple. Note: This trip takes between 3 and 4 hours each way.

**Suggestion #2:** Provincetown, Massachusetts. Believe it or not, this little summer town on the Cape is open 365 days a year. Provincetown is known primarily as an artist colony; a number of very eccentric people inhabit the streets. Marvelous Marvin Hagler trains here, and he might be visible if you are very, very curious. Otherwise, Provincetown houses a number of wonderful art galleries and restaurants. Be prepared for the eccentrics. Forewarned is forearmed.

**Suggestion #2a:** Hyannis and Hyannisport. A side trip on the way back from Provincetown, Hyannis and Hyannisport

are two of the most beautiful cities on the Cape. In fact, taking Route 28 back from Chatham will allow you to see the south coast of the Cape. Hyannis has a number of really delicious restaurants. The Kennedy family resides in Hyannisport, and even though you cannot visit their home, Hyannisport has a number of beautiful houses.

**Suggestion #3:** Newport, Rhode Island. If you really want to see beautiful houses, Newport has them. The city was once the exclusive locale for New York socialites. A number of mansions are open for public tours, including The Breakers, a mansion unequalled in this area. Because this is a popular time to visit Newport, expect long lines.

**Suggestion #4:** The Freedom Trail, Boston. See the historic locations in Boston on a two hour long walking tour of the city. It starts at Boston Common just down Tremont Street from the Park Street "T" station. For \$1 you can get a book describing all the old churches, houses, and government buildings along the way. If you want to wing it, follow the red path which starts at The Common and ends in Charlestown at the U.S.S. Constitution.

**Suggestion #5:** The Museum of Fine Arts, Boston. Accessible by the "T" via the Arborway "E" branch of the Green line, the MFA holds fantastic collections of Impressionism, American art, ancient works, Renaissance Italian and French works, and an amazing collection of lithographs. Your MIT I.D. will get you in for free! Visit it once, even if you do not think you like art. The Museum also hosts an excellent concert series, often featuring instruments from its musical instruments collection.

**Suggestion #7:** Anywhere. Get away from the Institute. It's the last time you can go out before the cold weather hits. Have a fun time!

Michael Battat

## Places to see...

**Places in the Heart**, written and directed by Robert Benton, now playing at Sack Copley; presented to the MIT community October 1st in a free preview showing courtesy of the Lecture Series Committee.

Robert Benton, who wrote and directed *Kramer vs. Kramer*, has brought to the screen another sure Academy Award winner. In a biographical *Places in the Heart*, Benton takes us back to the Waxahachie of his grandparents.

Sally Fields portrays the recently widowed Edna Spalding overcoming hardship after hardship in a small Depression-era town in Texas. The film starts with the death of her husband and revolves around her fight to prevent foreclosure on her home.

The style and story of *Places in the Heart* are reminiscent of another Depression classic, *To Kill a Mockingbird*. Benton lets us see what it meant to be right on

the edge; neither wealthy enough to forget the bad times nor poor enough to be overwhelmed. *Places* is about the big struggles of the little people in a desperate time.

Yet, for all the adversity it reveals, *Places* is an up-beat film. The characters face their problems and strive to solve them. They make mistakes and pick themselves up and start again. While the end of the movie paints a less than rosy picture of the near future, you know these people will keep trying.

Ed Harris (John Glenn in *The Right Stuff*) gives us another excellent performance as Edna's straying brother-in-law. Special mention should be made of newcomer Danny Glover. He plays the part of a beggar befriended by Edna Spalding with both wit and charm. Let's hope he returns to the screen soon.

James F. Kirk

## People to watch...

Scenes from Shakespeare and Stoppard, performed by the MIT Shakespeare Ensemble on October 2 at the Gardner Museum.

This reviewer will never again take the Green Line to a production given by the MIT Shakespeare Ensemble. A less than sparkling performance by the MBTA caused me to miss the first third of a very enjoyable evening at the Gardner Museum.

The Ensemble breathed life into five scenes from Shakespeare and one from Tom Stoppard's *Rosencrantz and Guildenstern are Dead*. Brian Latt '86 and Joshua Lubarr '86 did justice to the opening sequence of the Stoppard play. Although, methinks Mr. Latt doth not protest loudly enough.

Andrea McGimsey '87 is to be compli-

mented on her voice in her short a cappella piece during a scene from *Othello*. While less than fair to the less fairer sex, Dawn La France '87 does well as the saucy maidservant, Emilia, in the same scene.

William Kasper '87 is only a mediocre Macbeth. However, his portrayal of the adulterous rascal in *Cymbeline* is so real that by the end of the scene even I wanted to take a swing at him.

Anyone who enjoys Shakespeare can't afford to miss the Ensemble. If last Tuesday's offering is any indication, the 1984-85 season will be a good one for Shakespeare at MIT.

The MIT Shakespeare Ensemble will be presenting Twelfth Night in the Sala de Puerto Rico, October 25-30.

James F. Kirk

# ARTS ON THE TOWN

## Friday October 5

Catch a class act. MIT Dramashop will be presenting their first set of one-act plays tonight and tomorrow night at 8 pm in the Kresge Little Theater. They will perform three Provincetown Plays, *Not Smart, Suppressed Desires*, and *The Long Voyage Home*. Dramashop will host a critique and coffee hour after the shows. Admission is free. Call 253-2877 for more information.

Francesco Rosi's film of *Carmen* opens tonight at the Sack Copley. Placido Domingo sings Don Jose.

LSC will be showing two blockbuster films tonight. *Rebel Without a Cause*, the James Dean classic, will be shown at 7:30 pm in 10-250. *All That Jazz* will be shown at 7 and 10 pm in 26-100.

Mobius presents the zany *Prairie Home Computer* tonight at 8 pm. A performance art vaudeville act by Eric Hughes and the computer R-U-1-2, the act happens at 354 Congress St. in Boston. Call 542-7416 for information.

The Brattle Theatre continues its series of *Italian Masters* this weekend. Fellini's *La Strada* plays at 3:45 and 7:50 pm and Vittorio de Sica's *Two Women* will be shown at 6 and 10 pm tonight and tomorrow (Saturday matinee at 1:50 pm). Call 876-4226 for information.

## Saturday, October 6

October is *Boston Museum Goer's Month*. In line with this event, this weekend is packed with great things to do in the City of Beans. The following four events run all weekend.

At the *Blue Hills Trailside Museum* there will be special goings-on about bees. Par-

ticipate in the Honey Harvest. Special demonstrations and exhibits about bees will also be shown. For more information call the Museum at 333-0690.

Straight from the bees you can go to the MSPCA's *Macomber Animal Life Center*. If beekeeping is too tame for you, you'll be sure to enjoy the ox plowing, cider making, and milking demonstrations. To hell with high-tech! The Center will also be offering hayrides and walking tours. Call 1-879-5345 and ask for the person in charge of the ox.

If you aren't the outdoorsy type, you can see a large collection of Currier and Ives prints at the *Concord Antiquarian Museum*, which is hosting a display of 56 Currier and Ives prints from the Library of Congress. For more info call Ann Chang at 1-369-9609.

But what's good on TV, you ask? If sitting in front of the tube is more your natural habitat, the *Institute of Contemporary Art* will be showing the works of video artist *Naim June Paik*. The title of this group of videos is "BSO and Beyond." For times and location call Lorretta Cubberly at 266-5152.

*Alea III* plays works of Seymour Shifrin, Iosif Papadatos, Tobias Picker, Ludovico Einaudi and Donald Fox at 8 pm at the Longy School of Music, 1 Follen St., Cambridge.

LSC presents Dudley Moore in *Unfaithfully Yours* at 7 and 9:30 pm in 26-100.

At 3 pm *Ivete Piveteau* will perform harpsichord works of Couperin, Bach, Rameau, Handel and Forqueray at the Isabella Stewart Gardner museum.

## Sunday, October 7

Kiri te Kanawa makes her Boston recital debut in Symphony Hall at 7 pm. Included in her concert will be selections from *Les Chants d'Auvergne* which she has already recorded beautifully. Known also for the depth of her Mozart interpretations, te Kanawa includes two Mozart selections along with works of Schubert, Strauss, Faure and Duparc.

LSC presents *The Odessa File*, a spy-thriller, at 6:30 and 9:30 pm in 26-100.

Tonight Fellini's *La Dolce Vita* (7:30 and 7:30) and Vittorio de Sica's *Miracle in Milan* (5:45 and 10:30) show at the Brattle.

## Monday, October 8

Kim Scholes received the highest award for performance at the New England Conservatory when he was chosen for an artist diploma last year. He plays cello works by Beethoven, Crumb, Schubert, Chopin, Rautio and others tonight in a free Jordan Hall concert at 8 pm.

## Wednesday, October 10

The 1984-85 season of the *Boston Symphony Orchestra* opens today at with a concert of works by Berlioz, Mozart, Rodrigo and Tchaikovsky in Symphony Hall at 6:30 pm. James Galway will be soloist in Mozart's *Flute Concerto no.2 in D* and Rodrigo's *Fantasia para un gentilhombre* for flute and orchestra. Call 266-1492 for information.

Boston University's *Program in Artisanry* will show a slide lecture tonight at 7:30 pm displaying the works of Wendy McGaw, a metalsmith and sculptor. This event takes place at the George Sherman Union, 775 Commonwealth Ave. For more about this or other aspects of the Program call 353-2022.

Space, the final frontier. . . Tonight at 8, *Scott Carpenter*, the second American to orbit the earth, will speak on his hopes for the future of the space program. In Kresge, admission \$1, sponsored by LSC.

## Thursday, October 11

Composer, improviser and guitarist *Christopher Brooks* performs selections from his upcoming LP *Ilenné Rainbow* and improvisations with New England Conservatory faculty members Joseph Maneri, clarinet and Gerald Zaritsky, piano. In Jordan Hall at 8 pm.

N-tet plays at the *SCC Pub* tonight 9:30 pm to 12:30 am. Cover charge is \$1. Take a break and have some fun.

Hungry for some real art? Come to the Royal Sonesta Hotel tonight to join in the *Institute of Contemporary Art's Fourth Annual Art Tasting Contest and Party*. Entrants create art from food and guests are welcome to sample (after the judging). The judging and party begin at 6:30. Call 266-5152 for more information.

## Ongoing

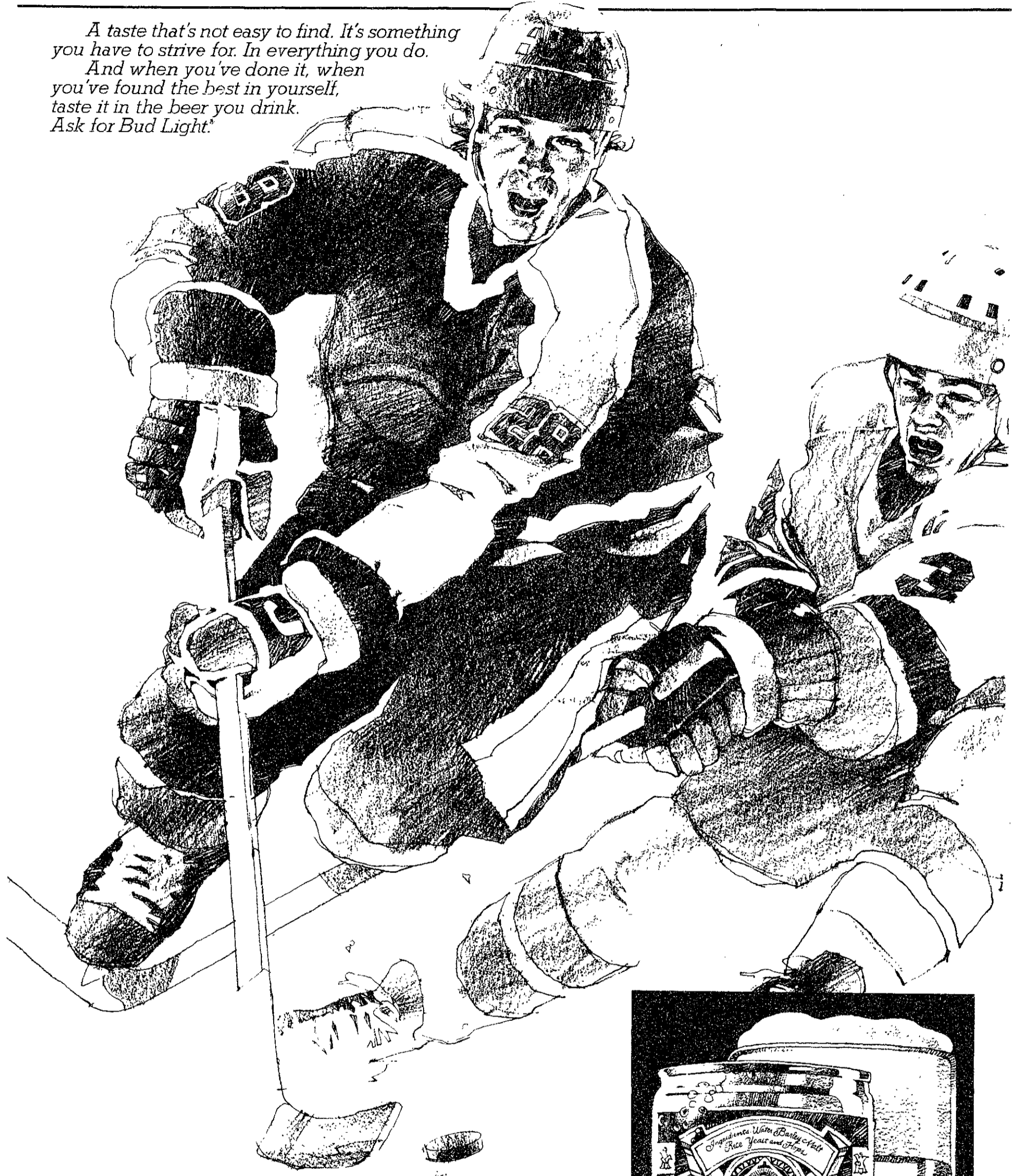
You say you've never been over the Harvard Bridge? Don't miss out on one of the cultural centers of the United States. There are more museums to Boston than the Science Museum. They can even be more fun! This is the month to get a little culture into your system. Why? Because **October is Boston Museum Goer's Month!** I have a leaflet in front of me here that is just loaded with nifty things to do. I will do my best to let you know about them as they come up. See the listings for this weekend for more specifics.

Ronald E. Becker  
Jonathan Richmond

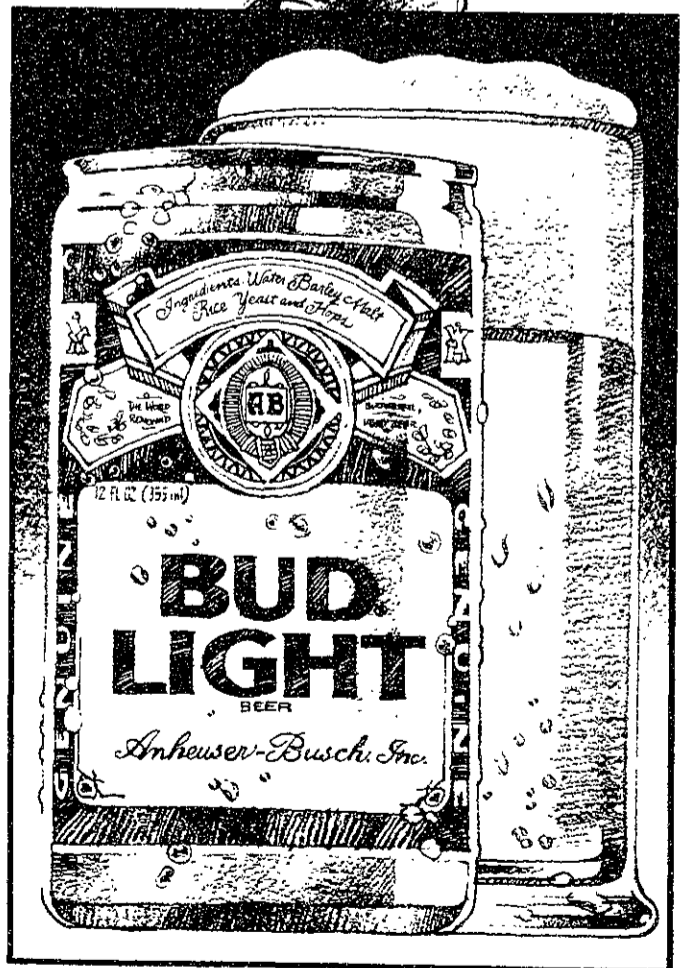
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# ARTS

## Going for baroque

**Banchetto Musicale** opened their season September 28 at 8 pm, *First and Second Church, Boston*. **Boston Museum Trio** with counter-tenor Jeffrey Gall at the *Museum of Fine Arts, September 30 at 3pm*. And the first weekend of the *Boston baroque season ended in triumph with the inauguration of the new Willard Martin harpsichord in a more-than-overflowing MIT chapel on September 30 at 8pm*.

The opening fanfare of a weekend of baroque in Boston came from *Banchetto Musicale*, starting their season-long series of Bach concerti in the intimate setting of the First and Second Church in Boston.

The *Harpsichord Concerto in F minor BWV 1056* was played with an open grace; in the second movement, especially, one was left with an impression of baroque grandeur without the least taste of the sugar which detracts from too many larger-scale performances of Bach. The harpsichord seemed to dwell pleasurably on each note, the ambience completed by vibrant plucking on strings; it was a shame that the third movement came across a tad unevenly.

Daniel Stepner, one of this country's foremost baroque violinists, gave a studied interpretation of the *Violin Concerto in A minor, BWV 1041*. The play between and subsequent union of soloist and continuo was quite exquisite. The second movement saw an pensive violin wander on a serenely mournful trip: the mysterious ethereal quality of Stepner's playing was mesmerizingly beautiful.

Martin Pearlman's qualities at the harpsichord were further demonstrated in the *Harpsichord Concerto in D minor, BWV 1052*. There is a crisp freshness to his style which makes all the more brilliant the intricate virtuoso solo work to be developed in this work. The warmth of string playing in contrast to the almost mathematically-precise percussiveness of the harpsichord produced an effect at once thrilling and full.



The Boston Museum Trio performs at the Museum of Fine Arts

Frances Fitch joined Martin Pearlman in an accomplished rendition of the *Concerto in C for Two Harpsichords and Strings, BWV 1061*, to bring the concert to a conclusion.

At the time of the baroque, the high-pitched male voice was provided by the *castrato*, many of whom had celebrated careers. Nowadays there is a lack of volunteers for this esteemed role — the fringe benefits don't quite make up for the side effects. But with accomplished counter-tenors such as Jeffrey Gall, no matter; the sound can be quite as pure.

Gall opened the Museum of Fine Arts' 1984-85 concert season in Remis Auditorium with Buxtehude's *Jubilate Domino*, accompanied by Laura Jeppesen, viola da gamba and John Gibbons, harpsichord. Gall's voice, full-bodied and natural, made this an illuminating performance.

Buxtehude's rarely performed *Trio Sonata in B-flat, Op. 2, no. 1* for violin,

viola da gamba and basso continuo was next performed with panache.

Jeffrey Gall returned to sing a series of Purcell songs: all sung with style, the concluding song *Here let my life* was given a particularly sensitive performance: the intensity of the words "silence slide" at the end of the first line lingered in the memory as Jeffrey Gall sang on, a doleful gamba adding pathos.

Vivaldi's *Qual per ignoto calle* received a lively rendition, instruments and voice writing a musical essay in onomatopoeia.

After the intermission, the ensemble played Handel's *Sonata in D for Violin and basso continuo*, Daniel Stepner shining once more this weekend. And Stepner's solo work was particularly affecting in the final work of the concert, Handel's *Mi palpita il cor*, the fine recitative singing of Jeffrey Gall only adding, in anticipation, to the pleasure of the subsequent arias.

Finally it was time to enter the MIT Chapel to hear the first recital on the Institute's new harpsichord. Now, the Chapel has wonderful acoustics, and is a place of great ambience for baroque music when filled to normal capacity. This concert, however, was widely advertised and was, furthermore, free, so the resulting crush was not altogether surprising. Still, a seat in the "front row" gave the unusual opportunity to sit in the middle of the players, and, despite close encounters with violins and cello, luckily no bow came into conflict with the motley Bach addicts seated on the rather cold floor.

James David Christie, Institute Organist, started the concert with Bach's *Toccatina in D, BWV 912*: it was a performance marred by moments of sloppiness.

The sweetness of Fenwick Smith's flute, carefully paced and full of color lent character to the *Flute Sonata in B minor, BWV 1030*.

The ensemble was well balanced in a dynamic performance of the Bach *Concerto in C minor for two harpsichords, BWV 1050*. The fluid violin playing of Gerald Elias was particularly notable, and the understated contribution of Michael Curry's cello and Timothy Pitts' bass added delight. The third movement saw further effective ensemble work, the free floating bass and cello seeming to mock the faster paced harpsichords.

The opening to the *Brandenburg Concerto No. 5* had an easy airiness to it, thanks particularly to the enchanted flute of Fenwick Smith. The subsequent build up and interplay of tensions, culminating in an exhilarating rendition of the harpsichord cadenza in James Christie's best performance of the evening, was breathtaking. The concerto continued, intricate harmonies of the baroque playing on the sensibilities of those present to create total pleasure and cementing MIT's contribution to the world of music in one of the world's most musical cities.

Jonathan Richmond

# open house

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## Career Opportunities



## Slide Show

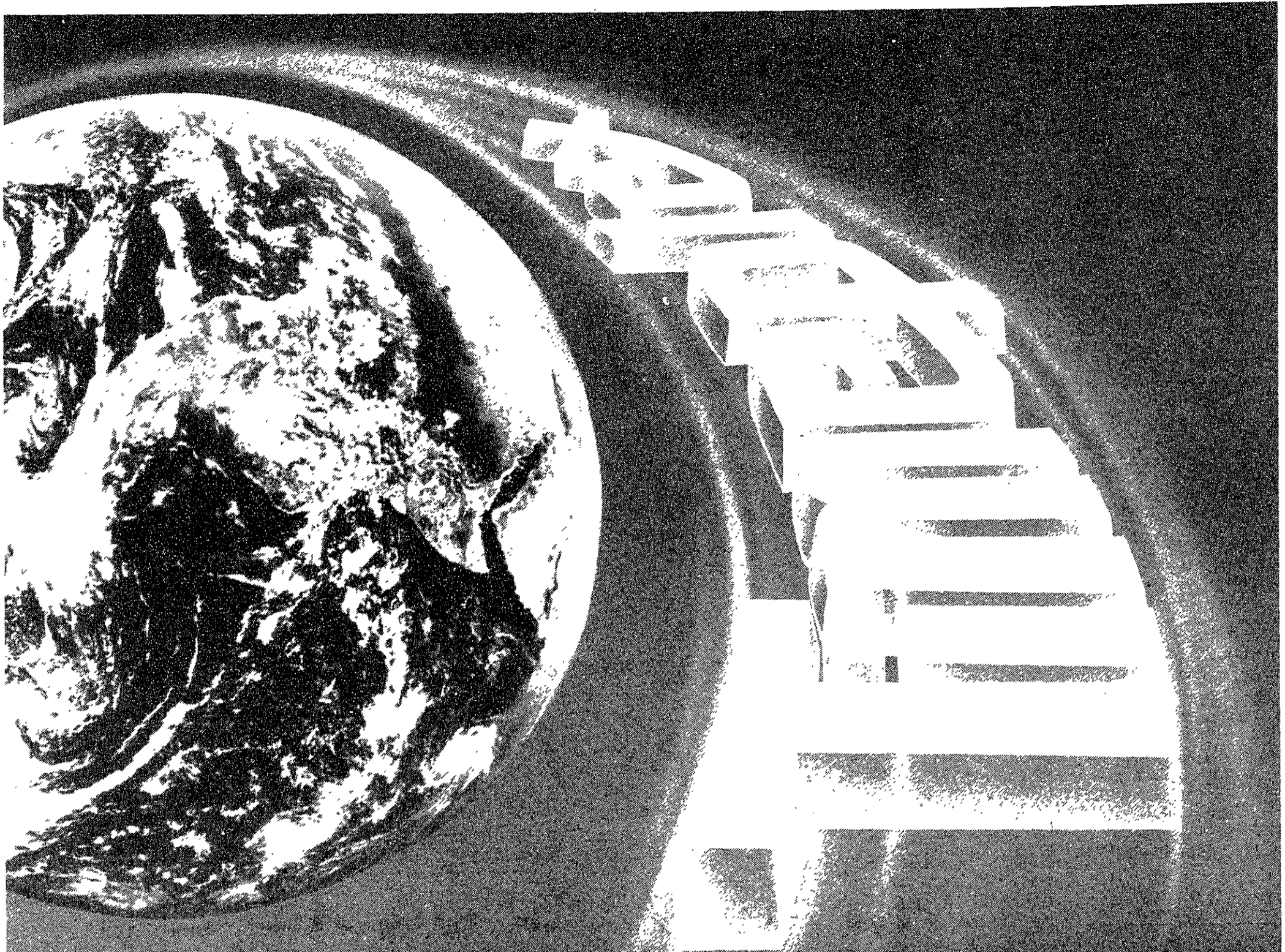


## Refreshments

**October 9, 1984 5-7 pm Room 1-190**

**CAMPUS INTERVIEWS**

**Oct. 10, 11, 12 1984 Placement Office**



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# notices

## Listings

**New England Winds**, the Air Force Band of New England's Woodwind Quintet will present a program of varied musical selections at 8 pm in St. Mary's Church, 155 Washington Street in Winchester, MA. The program is free and open to the public. For further information, call James Moritz at 729-0055

## Thursday, Oct. 18

**Meeting for students interested in medicine** will be held at 10 am in Room 37-252. Topics to include: pre-medical requirements, office procedures, pre-medical advisor, and handbooks and materials. Sponsored by the Office of Career Services and Preprofessional Advising. For further information, contact Ann x3-4737, Room 12-170.

A seminar entitled "**Competition for Intelsat**", sponsored by the Research Program on Communications Policy, will be held at 4 pm in the Marlborough Lounge, Room 37-252, 70 Vassar Street, Cambridge. Speakers are Christopher Vizas, Orion Satellite Corporation and Joseph Pelton, Intelsat.

## Monday, Oct. 22

**Beth Israel Hospital** is offering a new **therapy group for women who have been sexually assaulted**. The session will begin at 6 pm and will meet weekly. For more information call 735-4738.

## Tuesday, Oct. 23

A panel on "**Careers in T.V. and Radio Broadcasting**", sponsored by the Jewish Vocational Service, will be held from 7:30-9:30 pm at Gosman Jewish Community Campus, 333 Nahanton Street, Newton Centre, MA. Admission is \$5. For more information, please contact Gail Liebhaber at 965-7940.

## Sunday, Oct. 28

WBZ's 3rd Annual **Halloween Lite Monster Dash Road Race** will start at 12 noon at Jimbo's Fish Shanty. All proceeds will benefit Children's Hospital. Also, immediately following the race, there will be a "Dash Bash" celebration party for the runners. For more information, please contact Donna Howard at 926-8523.

## Tuesday, Oct. 30

A career workshop on "**Interviewing: For Information Only**", sponsored by the Jewish Vocational Service, will be held from 7:30 to 9:30 pm at Gosman Jewish Community Campus, 333 Nahanton Street, Newton Centre, MA. Fee is \$15. To pre-register, please contact Meryl Glatt 723-2846 or Emily Kirshen 965-7940.

## Ongoing

Students and faculty are cordially invited to flex their vocabularies at the **Boston Scrabble Club** — any Monday evening in the Teachers' Lounge of the Jackson-Mann Community School, Union Square, Allston. The club features "social Scrabble" for nervous newcomers, as well as officially-rated competitive play for the real addict. Club hours are 6:30 to 9:30 pm. For more information, contact P.G. Kaufmann at 784-5325.

## Announcements

Invitation to the MIT Community: The UEA is running a slide show which will appear at the LSC movies showing the weekend of Oct. 5. We would appreciate it you please try to attend a LSC movie to see our presentation.

Randy Winchester of MIT Cable TV is looking for students who would be interested in founding a new student activity to program channels on the cable system. Possible programming could include Arts and Entertainment, live coverage of campus events, student projects, or classic films. Suggestions would be welcome. Those interested should contact Randy Winchester at x3-7431, Room 9-030.

**Add Date is Friday, October 12.** The Registrar's Office would like to remind students that corrections cards will not be accepted without all the necessary signatures. You are urged to obtain all signatures well before deadlines to avoid having to petition the CAP for approval to make a late change. If your advisor is unavailable, contact your undergraduate office or department headquarter. Freshmen should go to

the Undergraduate Academic Support Office, Room 7-104. Also, this is the last day for juniors and seniors to change and elective to or from Pass-Fail grading.

Seniors who wish to apply for **graduate work in the Department of Electrical Engineering and Computer Science** during 1985 are urged to apply by November 1, 1984. Applications may be picked up in Rooms 38-444 an 3-103.

All students interested in **applying to law school** for fall '85 should make an appointment in the Preprofessional Advising Office. Phone Ann at x3-4737 or stop by Room 12-170.

**National College Poetry Contest**, Fall Concours 1984, is offering \$200 in cash and book prizes and free printing for all accepted poems in the American Collegiate Poets Anthology. For more information, write International Publications, P.O. Box 44044-L, Los Angeles, CA 90044.

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**REFORM** (Chapel) \*  
Friday, October 5, 7:00 pm  
Saturday, October 6, 10:00 am & 6:30 pm

**CONSERVATIVE** (Stu. Ctr. Sala de Puerto Rico)  
Friday, October 5, Mincha at 5:30 pm  
Kol Nidre at 5:45 pm  
Saturday, October 6, 8:30 am & 3:45 pm

**ORTHODOX** (Stu. Ctr. Mezzanine Lounge)  
Friday, October 5, Mincha at 3:30 pm  
Kol Nidre at 5:45 pm  
Saturday, October 6, 8:30 am & 3:45 pm

Tickets will be required for all Friday services. Students can pick up free tickets at Hillel by October 4. Non students should contact Hillel.

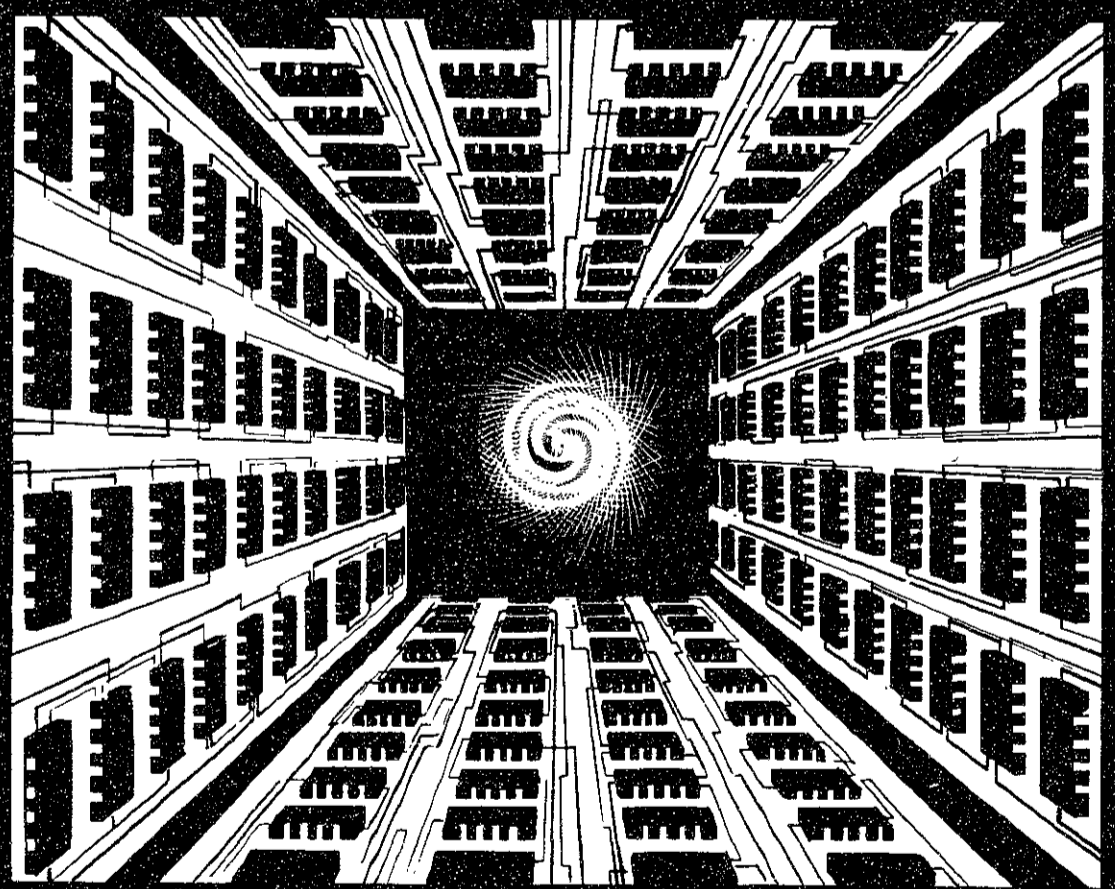
A pre-fast meal will be served in the K kosher Kitchen. (Walker Hall, Room 007) on Friday, October 5 at 4:30 pm. Payment can be made in valdline or cash.

A community break fast will be held in the Sala de Puerto Rico for partilpants of all services.

\* Reform Services are co-sponsored by the UAHC College Education Dept.

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If you are unable to meet with us, please contact Rena Mackie, Tektronix, Inc., MS 46-570, P.O. Box 500, Beaverton, OR 97077, or call (collect) (503) 627-6936.

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# notices

\* \* \* \* \*

The MIT Speech and Debate Society is sponsoring a **Fall Speech Contest**. Winners will receive cash prizes. We are now canvassing the MIT student community for interests and suggestions. If you have the slightest interest in talking for fun and profit, call Lisa x5-8922, Nick x5-6352, Meryll x5-6354, or Christine x5-8360.

\* \* \* \* \*

The **Christian Science Monitor** is sponsoring an **essay contest** challenging its readers to come up with possible scenarios that could lead to world peace in the next 25 years. Students and faculty at colleges and universities around the country are also invited to participate. Participants might consider such factors as economic conditions, the role of moral leadership and world armaments. Essays will be judged on the feasibility of the ideas they contain and will be expected to show a knowledge of the framework of international relations in the world today and the process by which those relations are bettered. Entries of not more than 3,000 words in English, French, German, or Spanish will be accepted. The best three will be printed in The Christian Science Monitor. Entries should be post-marked not later than December 31, 1984 and sent to **PEACE CONTEST**, The Christian Science Monitor, One Norway Street, Boston, MA 02115.

\* \* \* \* \*

The **National Research Council** announces the **1985 Postdoctoral, Resident, and Cooperative Research Associateship Programs** for research in the sciences and engineering to be conducted in behalf of 21 federal agencies or research institutions. Approximately 250 full-time associateships will be awarded on a competitive basis for research in chemistry, engineering, and mathematics, and in the earth, environmental, physical, space, and life sciences. Most of the programs are open to both US and non-US nationals, and to both recent Ph.D. holders and senior investigators. Awards are made for one or two years with stipends beginning at \$23,350 a year for Ph.D.'s and an individual determination for senior associates. Postmark deadline must be no later than January 15, 1985. Information on specific research opportunities and federal laboratories, as well as application materials, may be obtained from Associateship Programs, Office of Scientific and Engineering Personnel, JH 608-D3, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 334-2760.

\* \* \* \* \*

The annual **Harry S. Truman Scholarship Awards** will be made to current college sophomores in good standing who are US citizens or nationals. Two MIT students will be nominated by the Institute. The awards will be for \$5000 and are renewable for the senior year and for up to two years of graduate study. Any sophomore wishing to be considered should contact Dr. Louis Menand III, Room 3-234, x3-7752, NOT LATER THAN OCTOBER 5, 1984.

\* \* \* \* \*

Notice to the Class of 1987 and Transfer Students who entered MIT in the fall of 1983: If you have not yet completed Phase I of the **Writing Requirement**, you may do so by submitting Spring '84 papers until **add date**, October 12, 1984. Remember that you must first pick up a cover sheet from our office, Room 3-231, x3-3039, and have it signed by the instructor for whom you wrote the paper. Both paper and cover sheet should then be turned in to the committee.



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## notices

### Announcements

The Huguenot Society of America provides a \$1000 scholarship annually to one student at MIT, who is nominated by the Institute, and who presents to the Society a verifiable line of descent from a Huguenot family. This scholarship is presently open, and application forms are available in the Student Financial Aid Office.

The Jeffrey M. Frank Scholarship for Spring 1985 is currently available through the Combined Jewish Philanthropies. Preference will be given to Jewish students from the greater Boston area. Please contact Lucy Van der Wiel or Lisa Oteri in the Student Financial Aid Office for further information.

The German Academic Exchange Service (DAAD) announces the availability of scholarships for students and faculty members: **German Studies Summer Seminar at the University of Marburg** during June/July 1985. This 4-week course is designed for faculty members and, in exceptional cases, Ph.D. candidates. The seminar provides intensive language courses, seminars and lectures on political, social and economic aspects of contemporary Germany. In addition, meetings with representatives of professional groups, and excursions to places of interest are on the agenda. **Deutschlandkundlicher Sommerkurs at Regensburg University.** This course offers a 6-week German Studies program providing language instruction and concentrating on historical, cultural and economic aspects of contemporary Germany. Students from all fields with at least junior status and a good working knowledge of German are eligible. All application deadlines are January 31, 1985. For further information and application forms, please contact German Academic Exchange Service, 535 Fifth Avenue, Suite 1107, New York, NY 10017 or call 212-599-0464.

The Peace Corps is offering skill-training for programs utilizing the backgrounds of college graduates with mathematics and science minors. Peace Corps volunteers serve for two years. During their service they receive a generous living allowance, paid travel, training and health care. A post-service readjustment allowance of \$175 per month is paid to each volunteer. For information on Peace Corps service, call 223-6366 or 7366, or write PEACE CORPS, 1405 McCormack POCH, Boston, MA 02109

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Last day to register to vote is Oct. 9th. Go to Election Commission at 362 Green St., Central Square with evidence of residency such as a phone bill. To volunteer go to Republican headquarters at 18 Brattle St., Harvard Square or call 354-5566.

The MIT Medical Department Pharmacy is extending its hours of operation. As of Tuesday, September 4, the Pharmacy will be open from 8:30 am to 5:30 pm. To take full advantage of these earlier hours, prescriptions may be called in a day in advance and can then be picked up the following morning.

**Interested in children?** Teenagers? Innovative education? The Cambridge School Volunteers needs you as a tutor, classroom aide, big brother or big sister, or a mini-course teacher. Work with any age student in any subject. Credit may be available. For more information, call 498-9218.

The National Consortium for Graduate Degrees for Minorities in Engineering, Inc. (GEM) is now accepting applications for its Graduate Fellowship Program which will provide one hundred-fifty awards to minority students in engineering. Candidates for participation must be American Indian, Black American, Mexican American, or Puerto Rican. Each fellowship pays full tuition and fees at a member university and a stipend of \$5000 for the academic year, as well as provides summer employment at a member-research laboratory. Deadline for application material for the 1985-86 fellowship year is December 1, 1984. For further information contact: Graduate Engineering for Minorities, P.O. Box 537, Notre Dame, Indiana 46556.

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**MICROSOFT**  
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# comics

Stickles  
By Geoff Baskir



Room 001  
By Carol Yao



## THE 1984 HONEYWELL FUTURIST AWARDS COMPETITION

**TRAVEL AGENDA:** Your mission, should you decide to accept, is to transport yourself 25 years into the future, take a look around and write three essays of up to 500 words each. For the first two essays, you are to write about significant developments in any two of the following subject areas:

- 1) Electronic Communications,
- 2) Energy, 3) Aerospace, 4) Marine Systems, 5) Biomedical Technology or 6) Computers. In a third essay, you are to write about the societal impact of the changes you've predicted. Your entries will be judged according to creativity (30%), feasibility (30%), clarity of expression (30%) and legibility (10%).

**PASSENGER QUALIFICATIONS:** Any person enrolled as a regular full-time student at an accredited U.S. college or university may enter, with the exception of full-time faculty members, previous winners and Honeywell employees.

**PACKING LIST:** To enter the contest, type (or clearly print) your name, address, college and declared major on an 8½ x 11" sheet of paper. We also need your T-shirt size so we can send you a Honeywell Futurist T-shirt designed by French illustrator Jean Michel Folon. Each of the three essays should be typed, double-spaced, on separate 8½ x 11" sheets *without* your name at the top. All sheets should be stapled together and sent, unfolded, to:

**The Honeywell Futurist Awards Competition, P.O. Box 2009F, 600 South County Road 18, Minneapolis, Minnesota 55426.**

All entries must be postmarked no later than December 31, 1984. Winners will be notified by mail by February 1, 1985. All prizes will be awarded.

**PAYLOAD:** A total of 30 winners will be selected and awarded the following prizes:

10 First Place Winners will receive \$2,000 and an all-expense paid trip for two to the Honeywell Futurist Awards Banquet in Minneapolis. They will also be offered a paid 1985 Honeywell Summer Internship.

10 Second Place Winners will receive \$250.

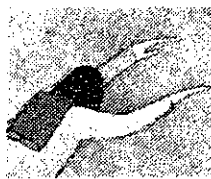
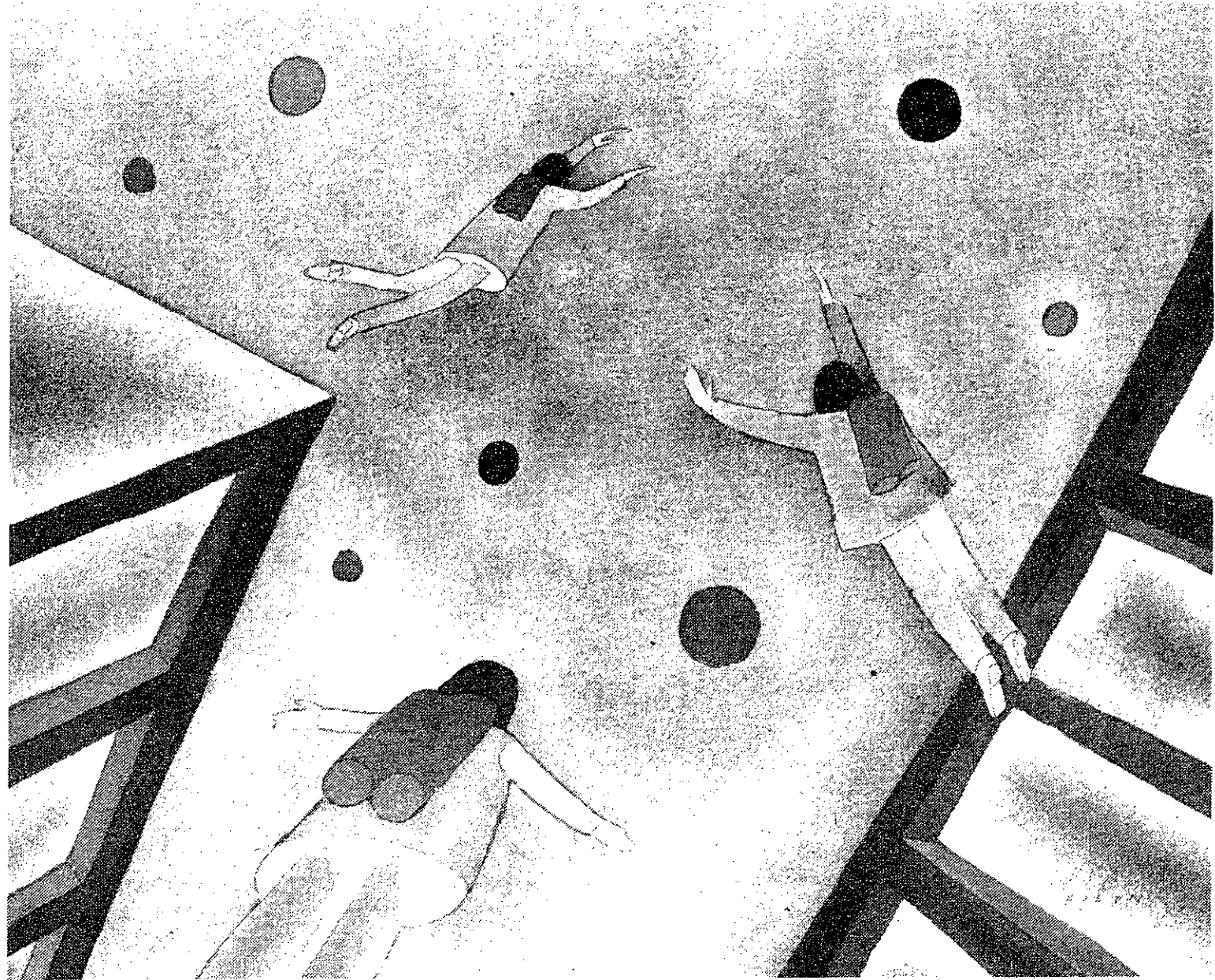
10 Honorable Mention Winners will receive \$100.

All entries are subject to official rules and regulations for participation and entry. If you are interested in receiving a copy of more detailed regulations, write: Futurist Rules, P.O. Box 2009, 600 South County Road 18, Minneapolis, Minnesota 55426.

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Beyond scientific speculation and extrapolation, perhaps the richest inspiration for imagining the future comes from exploring our daydreams and realizing that today's fantasy may become tomorrow's reality. If you have imagined what our world will be like in 25 years, now is your chance to release those thoughts - tempered with your knowledge of technology - by entering the 1984 Honeywell Futurist Awards Competition. If your ideas are among the most imaginative and feasible, you will be awarded \$2,000, a trip to a futurist awards banquet and a Honeywell internship. Read the accompanying travel plans to find out how to enter. And fuel up for a trip to the year 2009.

Together, we can find the answers.

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# sports

Column/Daniel J. Crean

## World Series next week

MIT students are often isolated from the real world, and the most important thing in the outside world this month is the major league baseball playoffs. The league championships will be decided in a best-of-five series this week, and the World Series will commence next week. The east has dominated the west so far, with the Chicago Cubs leading their series two games to one and the Detroit Tigers leading theirs two games to none.

The American League playoffs pit the Tigers from the Eastern Division against the Western Division Champion Kansas City Royals. The Tigers are the favorite to go all the way, because of the way they dominated their division in the regular season. Jumping out to an incredible 35-5 start, the Tigers didn't come close all year to relinquishing their lead. Laden with a lot of hitting talent, some superb pitching, and one of baseball's best managers, Sparky Anderson, Detroit has all the necessary elements to win the World Series easily.

The Kansas City Royals are the team that never quite made it. In the late 1970's and early 80's, they were one of the best teams in baseball and often took the Western Division crown. But they always seemed to lose in the League Championships, making it to the Series only once. Their once awesome hitting lineup is now fading, due to old age and drug problems. Even George Brett isn't the superstar he once was. The old Royals may have a last burst of greatness left, but if Kansas City is to do anything this weekend, it will likely be their younger (and perhaps less talented) players, that will come through.

The National League contenders are teams that have not won anything in recent years. The Eastern Division Chicago Cubs haven't won a pennant since 1945 and the Western Champions San Diego Padres have never won one.

The Cubs are something of a surprise team. They finished fifth in last year's race, although it was apparent even then that they had the potential to do a lot better. The Cubs are an almost completely different team from a few years ago, due largely to the trading activity of General Manager Dallas Green. Green's trades, which often upset fans at the time they were made, have built Chicago into a solid, fairly well-balanced team. The Cubs have been propelled to the top by several streaks from key players, especially that of pitcher Rick Sutcliffe, who went an incredible 16-1 after joining the team in May.

The Padres are one of those teams which is always expected to do well at the beginning of the season, but usually gets lost somewhere in the standings. This year, the Padres finally broke free of their problems, leading the Western Division handily for most of the season. The Padres have a ton of talent. They also have one of the best, although least well-known managers in baseball, Dick Williams.

Pete Rozelle wanted parity in the National Football League and he got it. Bowie Kuhn never made a big deal about parity in major league baseball, but we seem to have it, too. It's not that the divisional races were all that close this year. (Kansas City was the only winner to clinch in the final week.) It's that from year to year, baseball doesn't have dominating teams anymore. Gone are the Cincinnati Reds and New York Yankees of a few years ago.

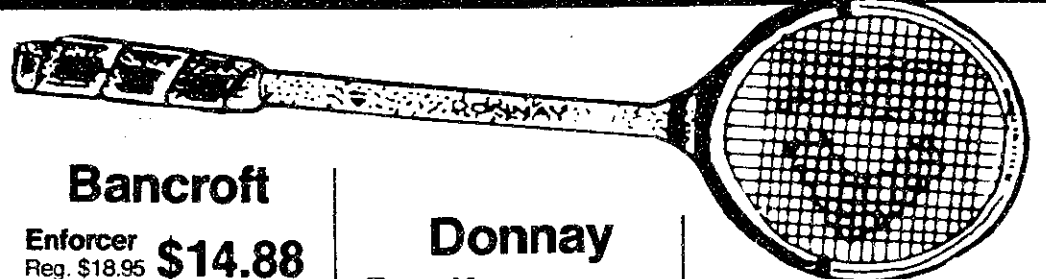
In all four divisions, different teams have won in each of the last three years.

None of the 1984 divisional champions have won the World Series in recent years. The Tigers haven't won it since the sixties, the Cubs haven't won it since the forties, and the Padres and Royals have never won it.

A World Series pitting the Cubs against the Tigers would be good for baseball nostalgia. Their home stadiums are two of the three oldest parks in major league baseball and both teams have been around for decades. The Padres and the Royals have legitimate shots at the series, though, even if they are now at a disadvantage. In short series, any team can beat any other team. But, as Howard Cosell said Tuesday night: "Mr. Rickey said luck was the residue of desire."

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# sports

## Update

### Water polo team ahead 6-5-1

The water polo team hosted the MIT Invitational tournament Saturday, coming away with a pair of wins, a tie, and a loss.

The squad opened the competition with an 8-6 loss to the Brown "B" team, but the Engineers went on to defeat Williams, 9-3, tie Yale, 6-6, and trounce Queens College, 14-3.

The tournament results raise MIT's record to 6-5-1 on the season. The team will travel to Harvard Saturday and participate in the New England League Tournament. Harvard is ranked eighth in the East in the latest coaches poll. MIT is ranked 10th.

### Women's tennis romps

The women's tennis team raised its record to 6-1 and ex-

tended its winning streak to three games with an 8-1 pounding of visiting Clark Tuesday afternoon.

The squad hosted Babson yesterday afternoon, and visits Wheaton Saturday. The Engineers will return home next Friday for a 3:30 pm match against Salve Regina.

### Fall varsity captains

The following students have been selected as captains for their respective varsity teams:

Michael DiChristina '85, Vincent Martinelli '85 and John Trantillo '85 are the tri-captains for the baseball team. Women's cross country has chosen Sarah de Leon '85 as its captain. Julie

Chen '86 and Stacy Thompson '86 share the seat on the women's field hockey team.

The football club's captaincy has been awarded to Michael Ambrogio '85 and John Newton '85. Robert Irion '85 and David Lineman '85 co-captain the golf team. Stephen Paradis '85 is the single captain of the men's sailing squad, while the women have picked Marian Evatt '85 and Melody Gower '85.

Bill Lundberg '85 and Gary Willson '85 are the co-captains for the men's soccer team. Lisa Shields '85 captains the women's tennis team, and Robert Craig '86 the men's. Julie Koster '85 and Anella Munro '85 co-captain women's volleyball, and George Jaquette '85 and David Trepel '85 captain the water polo team.

### New England Collegiate Football Conference Team Standings

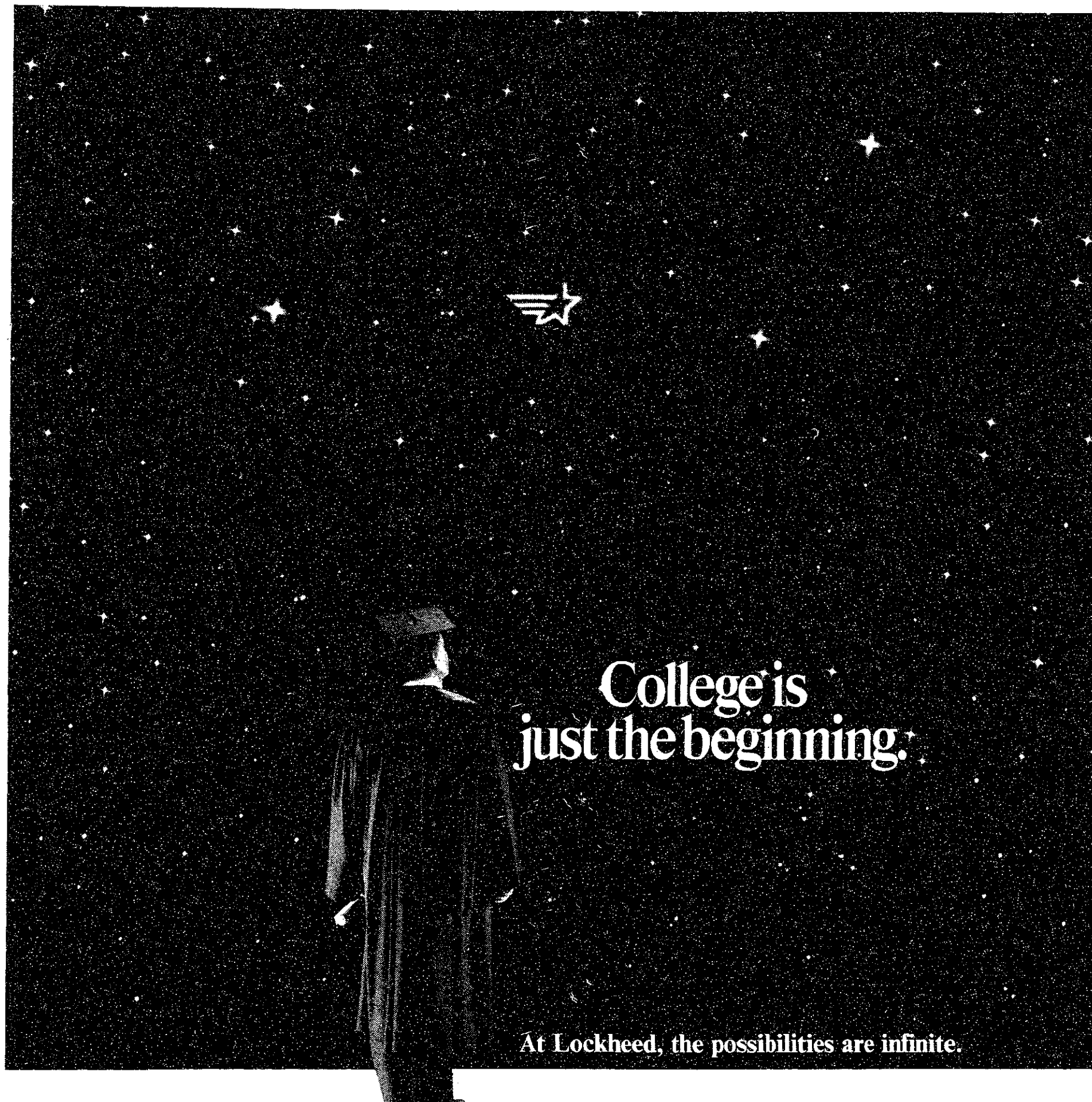
	W	L	T	PF	PA
MIT	2	0	0	43	29
Worcester State	1	0	0	29	9
Providence	2	1	0	66	42
Stonehill	2	1	0	52	54
Bentley	1	1	0	34	36
Roger Williams	1	2	0	47	46
Assumption	0	2	0	24	33
UMass-Boston	0	2	0	20	66

### Last Week's Results

The Bentley College Falcons took advantage of AIC's junior varsity squad, coming away with a 24-17 win. . . Providence extended the UMass-Boston's losing streak to two games, as the Friars defeated the Beacons, 34-12. . . Stonehill and Assumption hooked up in a close battle, with the Chieftains coming out on the winning end of the 20-14 score. . . Worcester State demonstrated once again why it is ranked first in the nation with a 29-9 pasting of Roger Williams in the Lancers' first league game.

### Saturday's Schedule

Assumption at Providence, 1 pm.  
Manhattan at MIT, 1:30 pm.  
Stonehill at Roger Williams, 1:30 pm.  
UMass-Boston at Worcester State, 1 pm.



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# sports

## Debaters flame anew

By Lisa Y. Bell

After two years of inactivity, the debate team started the 1984 season with a first-place varsity win, first and second-place speaker's awards, and an overall team record of 8-4.

Three two-man teams travelled to the University of Rhode Island to debate this year's Cross-Examination Debate Association (CEDA) fall resolution: "The method of conducting presidential elections in the United States is detrimental to democracy."

Each team debated four rounds — two for the resolution and two against. A round consists of four sequences of debate, alternating between the affirmative and negative. A sequence consists of a constructive case, cross-examination, and rebuttal delivered in an 8-4-3-minute format.

Every team member must give a constructive case, a cross-examination, and a rebuttal sometime in the round. Points are awarded at the end of each sequence on the basis of argument cohesiveness and delivery. The team with the most points at the end of the hour wins the round.

Twenty-five teams from 10 col-

leges participated in the competition, including the US Military Academy, Emerson College, St. Anselm's College, St. John's College, Bridgewater State College, University of Pennsylvania, Claire Anne College, and Southern Connecticut State University.

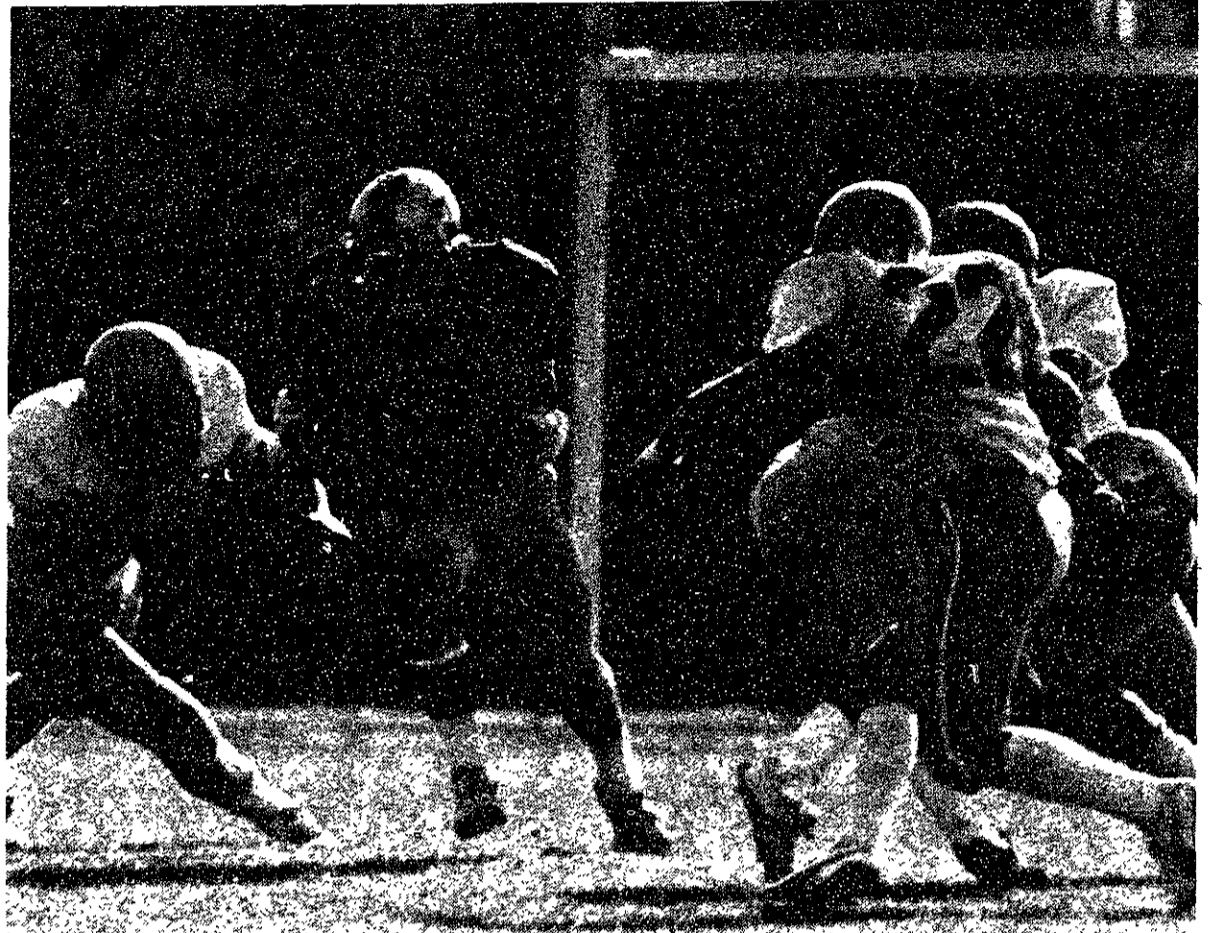
Team captain Derryl Mavis '88 and his partner Richard Seitz '88 went undefeated to clinch the first-place varsity trophy. The pair also took the first and second-place speaker awards, respectively.

MIT's two other teams split their rounds. Anthony Polito '86 and Tony Pac '88 scored one of their victories when they were pitted against teammates Elizabeth Duxbury '88 and Brian Baker '86.

"The team's performance gives MIT the credibility it needs to go against even tougher competition later in the season," Mavis said.

The speech team will join the debate team at the West Point Speech and Debate Tournament, Oct. 12 to 14, to compete in what they expect to be the toughest tournament of the season.

(Editor's note: Lisa Y. Bell is vice-president of the MIT Speech and Debate Society).



Tech photo by Steven H. Wheatman  
Running back Hugh Ekberg '88 bullies his way through the Providence defense during Saturday's 23-22 victory. See standings, page 23.

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- Plastics
- Metallurgy
- Ceramics
- Software Engineering
- Signal Processing
- Controls

### When and Where?

Monday, October 15, 4:00-5:00 p.m.  
Faculty Club Penthouse (7th Floor)  
50 Memorial Drive, Bldg. E52

### What else?

Wine and cheese informal mixer with various GE technical recruiters.

### When and Where?

Immediately following recent MIT graduate's presentations 5:00-6:00 p.m.  
Faculty Club Lounge (6th Floor)

The future is working  
at General Electric



An equal opportunity employer.