

## Institute professor receives Nobel Prize

By Ben Stanger

Franco Modigliani, Institute Professor of economics and finance, became the sixth member of the MIT faculty to win a Nobel Memorial Prize and the second faculty member to win the prize in Economic Science. Modigliani was notified of the award last Tuesday and will receive it Dec. 10.

The selection committee awarded the prize to Modigliani for his work on consumer saving behavior and corporate financial structure in relation to stock value.

"It was not a question of if,

but when he would get it," said Professor of Management Robert C. Merton '70, a long-time colleague and ex-student of Modigliani.

"Economists all over the world are students, admirers and friends of Franco Modigliani," said Paul A. Samuelson, professor of economics and the first American to win the Nobel Prize in Economic Science.

Modigliani's life-cycle hypothesis of consumption and savings, a model of lifetime saving strategies, was one of the accomplishments cited by the Nobel committee.

This hypothesis has been the key model for examining countries with social security systems, according to Robert M. Solow, Institute Professor of economics at MIT. "He's been a great thing for MIT," Solow said.

Modigliani was also chosen to receive the 1985-86 James R. Killian, Jr. Faculty Achievement Award last May. The faculty selection committee cited Modigliani's life-cycle hypothesis as the "dominant paradigm" for looking at the effect of the Social Security program on savings. Modigliani will deliver two Killian lectures this spring.

Modigliani's corporate finance theories are "still at the core of financial decision making" 25 years after they were formulated, Merton said. These theories propose that the value of a corporation does not vary with changes in debt.

Modigliani holds joint appointment from the Department of Economics and the Sloan School of Management. He teaches a graduate course, Capital Markets and Financial Institutions (15.432), in the spring, and two seminars, one in Money and an-

other in Finance, in the fall.

Modigliani was born in Rome in 1918 and received degrees from the University of Rome and the New School for Social Research.

He joined the MIT faculty in

1962, and was appointed Institute Professor in 1970. He has consulted for the Federal Reserve System, the US Treasury Department, the Bank of Italy and the Bank of Spain.



Photo courtesy Calvin Campbell/MIT News Office

Professor Franco Modigliani speaks at a press conference after being named to receive the 1985 Nobel Memorial Prize in Economic Science. Shown at left is Dean Abraham J. Siegel of Sloan School.

### HASS to get student input

By Katie Schwarz

An *ad hoc* faculty committee reevaluating the humanities, arts and social science (HASS) requirement will soon include a student member, according to Professor of History Pauline R. Maier, chairman of the committee.

Dean for Undergraduate Education Margaret L. A. MacVicar '65 and the members of the committee suggested student involvement. The committee showed "enormous enthusiasm" for a student position at its meeting Friday, Maier said. "The sooner we have a student, the better."

She has asked the Nominations Committee (NomComm) of the Undergraduate Association to nominate a student as soon as possible. NomComm members said they would hold hearings Monday, Oct. 28, and rank candidates that evening. The HASS committee would then approve a student member, who could begin attending committee meetings that Friday, Maier said.

The duties of the student on the committee would be similar to those of the other members, Maier said. Members of the committee will discuss the HASS requirement and propose possible changes.

The Office of the Dean for Undergraduate Education established the HASS committee after humanities and social science faculty discussed the role of the humanities in an MIT education at a meeting last May. The committee is addressing problems raised at that meeting, particularly lack of breadth in the requirement and lack of focus in the humanities curriculum. It will draft a proposal for a revised requirement by the end of January.

## Pornography bill defended

By Harold A. Stern

### Analysis

Second in a series on proposed Cambridge pornography legislation.

Supporters of the Cambridge anti-pornography referendum used last week's MIT/Harvard symposium on women and pornography as a forum to justify the referendum. The feminists

concentrated on the socio-economic effects of pornography and the correlation between sexually explicit materials and violence toward women.

Catherine MacKinnon, author of the referendum, claimed "the political question is of primary importance... it is not a question of good or bad — rather, of power and powerlessness."

Pornography, which "sexualizes women's inequality," is a symbol of male supremacy, MacKinnon continued. It is a crucial part of the "institutionalized, victimized second-class status for women" in this country, she added.

Norma Ramos, member of the National Organization of Women's subcommittee on pornography, spoke of the social injustices that resulted from pornography. She cited the "fun-

damental elements of inequality inherent in the word pornography" saying that this inequality is responsible for maintaining the second-class status of women, she continued.

Pornography "eroticizes social, political and economic inequality," Ramos said, and is "the best insurance that cruelty will continue and increase." Opponents of the legislation "deny the class stratification that pornography produces and requires," she added.

### Women and sexual assault

Psychological studies performed on "non-predisposed normal males," or those selected without any indication of hostility toward women, indicate that exposure to pornography "increases attitudes of aggression and discrimination toward women." (Please turn to page 18)

## LCS computer systems filter media

By Lauren Seeley

### Technology

If you're tired of sifting through 50 sheets of newspaper to find the few articles you actually want to read, three research

projects at MIT's Laboratory for Computer Science (LCS) may interest you.

A research group, led by Assistant Professor David K. Gifford '76, has built three different communication systems that are designed to screen the enormous volume of information available in the press.

Gifford's premise is that the media provide much more information than any one person could realistically absorb. All three systems filter articles according to a list of subjects that interest the user.

The MIT Community Informa-

tion Service, one of the three projects, combines computer technology with broadcast communication to send newspaper articles over the airwaves. Articles are picked up, sorted and filtered by users' personal computers.

The second program is an electronic clipping service. The service mails articles to users' accounts according to their filter lists. This project will begin a three-month trial at Project Athena in November.

The third program, named Walter after Walter Cronkite, differs from the first because it allows two-way communication between

(Please turn to page 15)

### Erratum

MIT has not changed its financial aid policy as reported ["MIT changes its financial aid policy," Sept. 24]. The Pilot Outside Scholarship Incentive Program applies narrowly, said Director Leonard V. Gallagher '54. See text, p. 16.

## Students attend safety screenings

By Dorit Brenner

Terrie Antico of the Center for Women's Safety Education (CWSE) conducted two public prescreenings last week of a safety education program intended to teach students how to protect themselves against assault.

The program is a condition of a \$1000 grant from the MIT

Community Service Fund to the CWSE, a branch of the Cambridge Commission on the Status of Women, according to Campus Police Lieutenant Anne P. Glavin.

Antico said the CWSE allocated \$500 of the grant for ten presentations of the safety education program to MIT students, staff

and faculty.

The purpose of the prescreenings was to interest MIT groups in sponsoring the remaining eight lectures by providing a location and an audience, Antico explained. The Campus Police sponsored the two prescreenings, held in the Julius A. Stratton '23 Student Center.

Antico based her hour-long lecture on a five-step safety cycle she formulated to guide people through events that make them uncomfortable or afraid.

The first step of the cycle is awareness. Antico recommends looking up every once in a while in any public situation and paying attention to one's environment as ways of increasing awareness. "What we need to do is make a conscious effort to look up," she said.

Antico cited trusting one's own (Please turn to page 15)

### Robert Lockett

Robert Lockett G, a candidate for a master's degree at the Sloan School of Management, died on Oct. 7 after a long illness. He was 30 years old.

Lockett took his undergraduate education at Rice University, where he received his bachelor's degree in mechanical engineering in 1977.

He continued to study mechanical engineering, gaining a master's degree at Rice in 1980. He was a doctoral candidate and research assistant at MIT in the Department of Mechanical Engineering during the years 1980-81.

Lockett also worked on the MIT campus as an Industrial Liaison Officer from 1981-83.

Lockett's home was in Dallas, TX.



Tech photo by Sidhu Banerjee

A group of MIT students assembles in front of Lobby 7 Friday to protest US involvement in South Africa. Individual speakers spoke out against current foreign policy towards South Africa, occasionally rallying the group with anti-apartheid chants. The group later marched across the Harvard Bridge to meet with students from other area schools in Boston.

# Bexley "houseparents" discuss dorm reputation

By Irene E. Skricki

## Interview

Judah Schwartz is professor of Engineering Science and Education at MIT and housemaster of Bexley Hall. The Tech interviewed him and his wife Ellen about Bexley Hall's activities during Residence/Orientation week and about life as housemasters of an MIT dormitory.

**Q:** Do you believe that there was an anti-rush at Bexley Hall this year?

**Judah Schwartz:** No.

**Q:** Do you believe Bexley was made to feel open for all new students?

**JS:** No. But you are perfectly capable of inventing a position between those two. Bexley's position on Rush is that of presenting itself as it is and allowing students to see it as it is. It makes no overt effort at presenting a misleading picture of life in the dormitory. . . . So there are no lobster dinners, there are no ice cream parties — but there is also no showering. . . . Bexley just sits there, and that's the character of Bexley's Rush.

"There are no lobster dinners, there are no ice cream parties — but there is also no showering. Bexley just sits there, and that's the character of Bexley's Rush."

**Q:** Bexley Hall has a negative image in some people's minds on campus. Do you know why that is?

**JS:** I have a very good notion of why that is. Because there are a lot of people who work quite hard at providing a negative image for Bexley, which includes LSC putting up slides saying, "No smoking — violators will be forced to live at Bexley," which includes R/O workers telling people who are temporarily assigned to Bexley, "Don't worry about it, you can put yourself in limbo right now, you won't have to live there," which includes people in the Dean's Office telling students who want to move into Bexley that they don't want to move into Bexley; . . . which includes alumni telling incoming freshmen to avoid Bexley at all costs; [and] which includes members of the faculty saying, "You live in Bexley? But you're such a nice person." Shall I go on?

**Q:** What do you think can be done to counteract this image?

**JS:** You know the difference between non-discrimination and affirmative action? The defense rests.

**Q:** Do you intend to protest LSC's action directly?

**JS:** . . . Not on this occasion. But I think that's the appropriate responsibility of the Dean's Office. They have the responsibility for disciplining student organizations. I am waiting for them to do it.

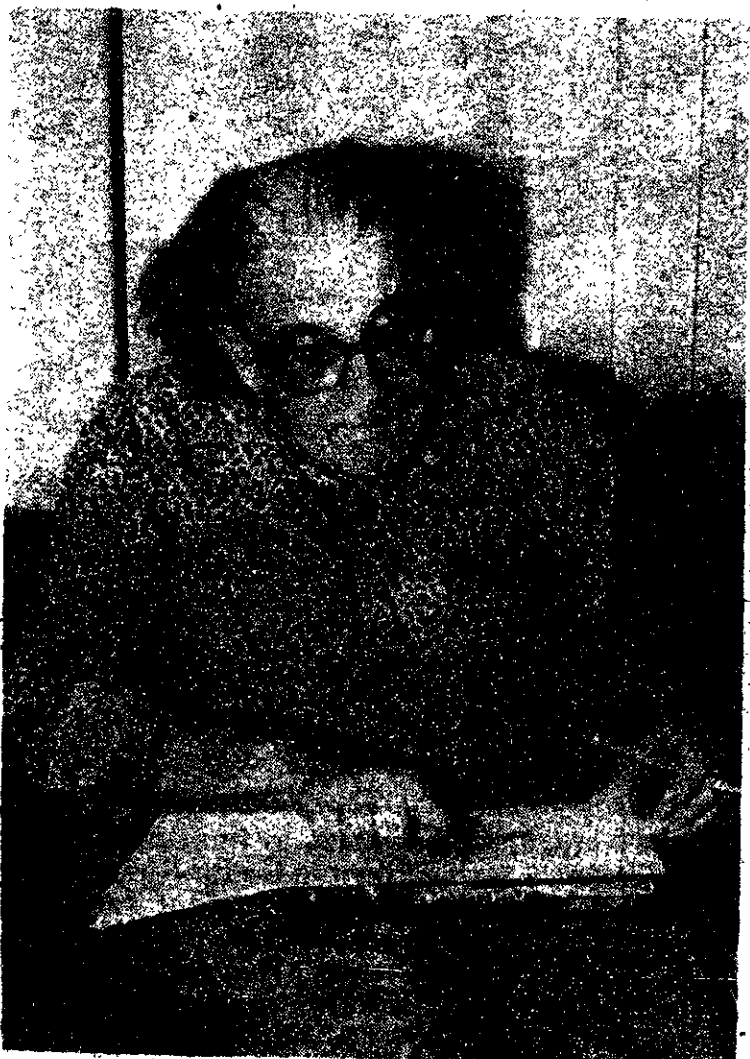
**Q:** Is there any chance that Bexley will be closed or turned over to Alpha Phi?

**JS:** You have to ask higher authorities than me.

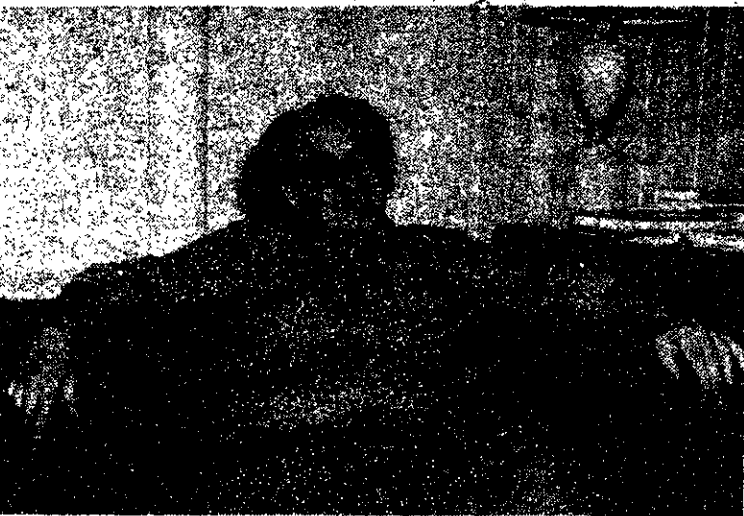
"The fact is that more upperclassmen try to get into Bexley than try to leave by a factor of ten or more."

**Q:** Do you feel that the administration has treated Bexley unfairly in these issues?

**Ellen Schwartz:** I think that it has not been as conscientious as it could have been in checking exactly what happened.



**JS:** Let me simplify that. There has been a list of incidents presented to the house that constitute at least part of the basis for the administration's displeasure with Bexley. Many of the entries on the list are factually wrong and could have been ascertained to be factually wrong. Many of them represent either minor or in some cases quite major differences of opinion as to what constitutes appropriate behavior. I think it's perhaps best left there.



**Q:** Are there crowded rooms at Bexley this year?

**ES:** Yes. We have, I think, 124 students and 122 places. We may have 125. I'm not sure.

**JS:** The difficulty with crowding Bexley is that Bexley has no public space. There are no lounges to crowd.

**ES:** And the rooms that are crowded are really very small.

**Q:** This year there were a number of people who were assigned to Bexley who didn't want to come. Do you think that has affected Bexley's morale?

**JS:** Happens every year. They never leave.

**ES:** Our biggest problem is getting them to leave.

**JS:** The fact is that more upperclassmen try to get into Bexley than try to leave by a factor of ten or more.

**ES:** I have periodically asked the Dean's Office for a list, a breakdown by dormitory of students transferring out and into other dormitories. Everybody's saying how terrible Bexley is. I have been unable to get that list.

**JS:** Now one can recite over and over again on instances of people who were assigned here against their will and who somehow never manage to leave.

"The fact that they're not turning handsprings to attract people with inaccurate representations of what dormitory life is like and then faulted for that is a source of enormous resentment."

**Q:** How do you feel the residents of Bexley feel about the current controversy?

**JS:** [The students] feel outraged. They feel put upon. They feel harassed.

**ES:** And they feel that they're here for a different reason than to be harassed and outraged. They're here for an education. And what is happening now is impinging upon their ability to get an education.

**Q:** Is there anything the residents feel that they can do about it?

**JS:** They feel wronged. They don't feel that there's anything immoral or inappropriate about maintaining an R/O position which accurately reflects the quality of dormitory life. The fact that they're not turning handsprings to attract people with inaccurate representations of what dormitory life is like and then faulted for that is a source of enormous resentment. So it's not clear to Bexley what Bexley has to do.

**ES:** For example, do you suppose the freshmen in other dormitories where they practice showering were told that that's going to happen to them? That's the ultimate indignation.

**JS:** That's the quintessential anti-rush activity.

**Q:** Do you think that the current situation with Bexley and the Dean's Office is parallel with what Senior House went through last year?

**JS:** We do not believe that the situation is in any way parallel.

**Q:** What is it like to be housemaster of Bexley?

**ES:** Wonderful.

**JS:** I wouldn't be in any other dormitory. I love this place and I love the students. I use that word advisedly. It is a place in which there is a deep respect by students for one another. It is a place in which issues of the world are taken seriously and cared about. It is a place where there is very little hassling of students by students. I wouldn't be in any other dorm.

**Q:** What are your duties as housemaster?

**JS:** First of all, a problem of notation. It is the tradition in Bexley to call the faculty residents "houseparents." That has a number of functions. First of all, it restores the symmetry between the faculty member of the family and the non-faculty member of the family. Secondly, it gets away from the nuance of "master." Our responsibilities are complicated, and it's hard to make an ordered list with any kind of sensible priorities. The Dean's Office once tried and failed. What follows is my list. In the first instance, to live in the house as a pair of cultured adults. In the second instance, it is our responsibility to provide a kind of bridge between the students and the various resources of the adult world that students may not know the existence of or may not be able to avail themselves of for one reason or another having to do with timidity or shy-

ness or whatever. In the third instance, it is to be a kind of intellectual gadfly to provoke students to think about the nature of and the quality of their education in ways that are broader than that which can happen via problems sets and hour quizzes. And then there are a whole range of other things dealing with overloud stereotypes and the like.

"I wouldn't be in any other dormitory. I love this place and I love the students. Bexley has never felt the urge to avail itself of the putative advantages of" being a member of the Dormitory Council.

**Q:** Do you have any further comments?

**ES:** There's always been an unease about Bexley's form of government. . . . [but] when it works it is superb. When we have a problem, the kids are great.

**JS:** The fact is, Bexley's government follows an old New England tradition, and it's absolutely workable.

**Q:** Could you explain your government system?

**JS:** Yes. What you have to do is read an American history book. Something called "town meeting."

**ES:** Anybody can put up a sign saying "house meeting."

**JS:** The governance mechanism is the meeting of the whole body.

**Q:** So there are no regularly scheduled meetings?

**JS:** No. You meet when there's an issue, when anybody who is concerned about an issue is moved to call a meeting about the issue.

**ES:** And they can go from, "Let's get a keg and have a party because we haven't for a while," to some very, very serious things. . . .

**Q:** Is it true that Bexley has elected as its president a bag of popcorn?

**JS:** Of course.

**ES:** [Our] dog has been elected president — on a regular basis.

**JS:** That's a way of thumbing one's nose at the larger machinery.

**ES:** The other interesting thing that you might want to know is that members of the committee that is sitting with the dean now will not, by house consensus, ever be on any other [committee] in the dormitory.

**JS:** That is, there is a strong effort to avoid the localization of power in any one individual. There is a clear agreement that the people involved in this discussion will not be involved in any other representation of the house in any other situation.

**Q:** Bexley is also not a member of Dormcon?

**ES:** It [left] Dormcon ages ago.

**JS:** About 25 years ago. And since then, Bexley has never felt the urge to avail itself of the putative advantages of that membership.

**ES:** One of the advantages of the way the place functions is when someone does something really stupid, he has to take responsibility for it. House presidents in other dorms, house Judcomms in other dorms, get away with a lot of things. Here, if you do it, you're responsible and there's nothing you can twist to get away with it.

**Q:** Any final comments?

**JS:** . . . Never underestimate the importance in a social institution of having an institutionalized scapegoat. . . . Bexley is not the institutionalized scapegoat around all issues, but in the present instance it is very clearly in my opinion an institutionalized scapegoat. Let me make an observation. There are roughly 1070 freshmen. The total number of freshmen who came and requested tours of Bexley was about 70. Now what do you imagine accounts for the other 1000 freshmen not coming to look at Bexley when every other dormitory is visited by roughly half the freshman class?



Tech Photos by Dan O'Day

# news roundup

## World

**Italian prime minister resigns over hijacking** — Italian prime minister Bettino Craxi resigned yesterday under criticism for his handling of the Achille Lauro hostage crisis. Italy's small but influential Republican Party, led by Defense Minister Giovanni Spadolini, withdrew from the five-party governing coalition Wednesday, leaving the coalition seriously weakened. The party objected to the release of Abul Abbas, a Palestinian Liberation Organization leader wanted by the United States in connection with the hijacking of the cruise ship Achille Lauro. Craxi will be replaced in a parliamentary election.

**Hostage's body identified** — A body found on the Syrian coast was positively identified as that of Leon Klinghoffer, the American passenger believed to have been killed by the Palestinian hijackers of the Achille Lauro. The body appears to have two gunshot wounds, one in the head and the other in the back. The body has been flown to Rome for an autopsy.

**Nobel Prizes in physics, chemistry and literature announced** — Klaus von Klitzing of West Germany received the Nobel Prize in physics for his discovery of the quantized Hall effect, a phenomenon which permits accurate testing of theories about semiconductors. Two American physicists, Herbert Hauptman and Jerome Karle, won the chemistry award for their work on a method of determining crystal structure which has become important to chemists. Claude Simon of France was presented with the prize in literature for his work in the 1950's, when he pioneered the so-called "new novel" style, typified by such features as eliminating plot and character development.

## Nation

**US may reinterpret ABM treaty to allow "Star Wars" testing** — National security adviser Robert C. McFarlane claimed last week that the 1972 Anti-Ballistic Missile treaty does not prohibit research, development and testing of ABM systems involving "new physical concepts." This interpretation would permit wider research, development, and testing of Strategic Defense Initiative technology.

## Local

**Record Megabucks jackpot numbers drawn** — Five players picked the winning series of 1-2-6-10-19-28 for this week's jackpot of \$25 million, a record for the Massachusetts lottery. The odds of winning were one in 1.9 million.

## Sports

**Cardinals, Royals advance to World Series** — The St. Louis Cardinals won the National League championship with a 7-5 victory over the Los Angeles Dodgers. A crowd of 55,208 witnessed Jack Clark put away a homer with two out and two on in the ninth. The Kansas City Royals defeated the Toronto Blue Jays, 6-2, coming back two games to win the American League pennant.

## Weather

**Sunny but cool weekend weather** — Today will be sunny with highs in the low 60s. Saturday and Sunday will be fair with highs in the mid 50s to mid 60s.

Ezra Peisach

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# opinion

## Guest Column/Alan Szarawarski SDI is impractical and fatally flawed

Few problems are as troubling and frustrating as the threat of nuclear war. For the last four decades, through Republican and Democratic administrations alike, the size, sophistication and cost of the superpowers' nuclear arsenals have increased steadily. Presently, even a tiny fraction of either side's arsenals is enough to destroy both the United States and the Soviet Union.

President Reagan appeared before this dismal backdrop in the spring of 1983 and offered a glimmer of hope: the Strategic Defense Initiative. Rather than build more weapons, he said, we would render nuclear weapons "impotent and obsolete" by developing a defense against Intercontinental Ballistic Missiles (ICBM's).

SDI is promising. To beleaguered citizens it promises hope. Here at last is a plan that does not require the cooperation of the Soviets. To military contractors and their employees, SDI promises money. Most defense contractors have already appointed vice presidents in charge of getting SDI funds. Finally, to scientists and engineers, it promises research grants and a never-ending supply of interesting technical problems.

Tragically, SDI is fatally flawed. It is at best impractical and at worst dangerous.

The Soviets could launch some 10,000 warheads in a nuclear attack. Even General Abramson, the head of SDI, does not say that a 100 percent effective missile defense is possible. No one does. And even an SDI system that is 98 percent effective will not prevent the destruction of the United States in a nuclear war.

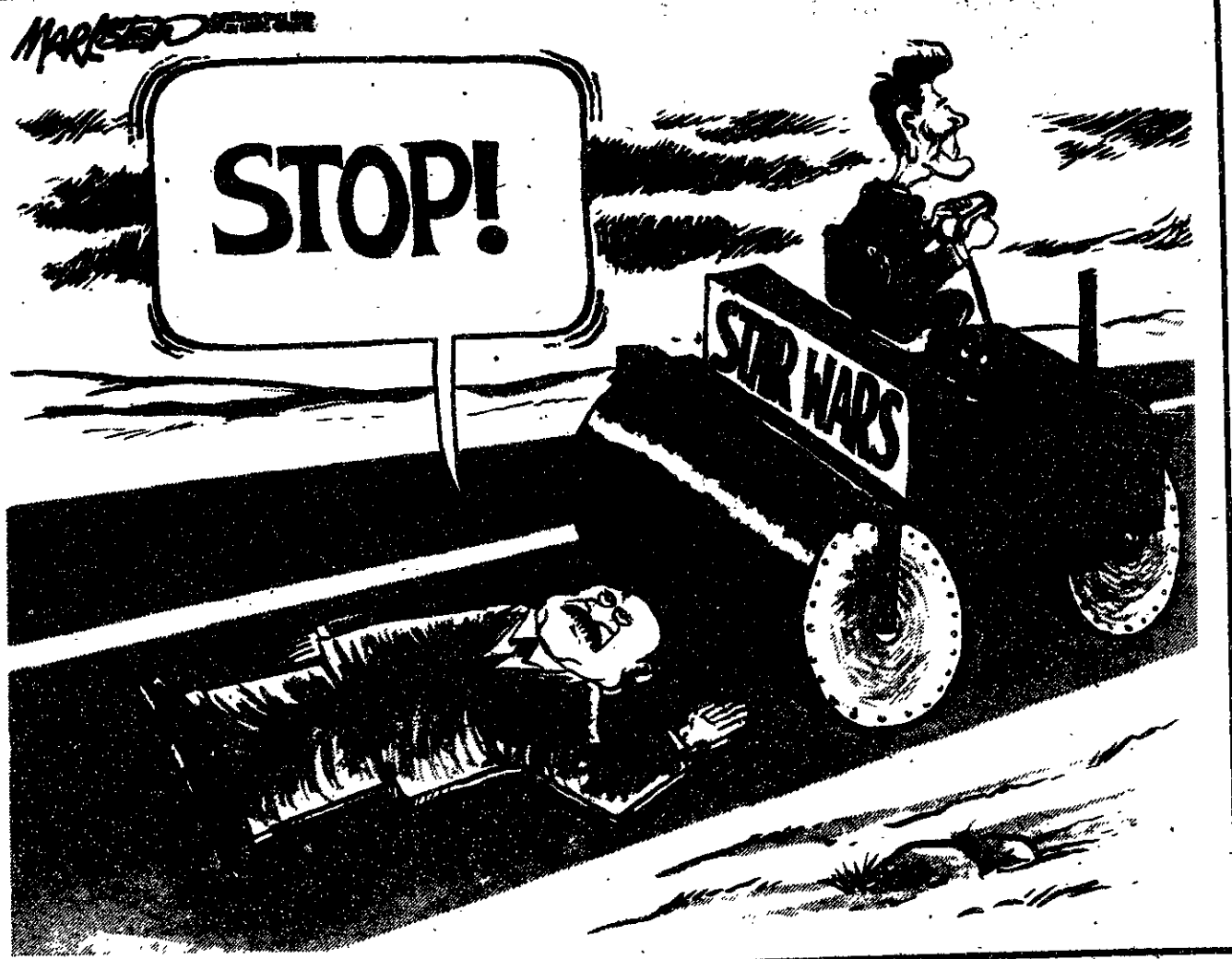
Furthermore, SDI is only effective

against ICBM's. The United States would still be vulnerable to attack by submarine-launched missiles and cruise missiles. Even the impossible, a perfect shield against ICBM's, will not bring the security we yearn for.

But even a 98 percent effective system is ridiculous. The technology to shoot down even one missile exists only in the dreams of some military planners. Many experts say that shooting down even a small fraction of incoming missiles is impossible. SDI supporters concede that even a 50 percent effective SDI system will not be ready for decades.

Ironically, the same people who argue that we need SDI to defend against the aggressive, war-mongering Soviets tacitly assume that the Soviets will do nothing while the United States

(Please turn to page 5)



feedback

## Action opposes individual freedom

To the Editor:

In the October 8th issue of *The Tech*, two letters urged student action that is clearly opposed to individual freedom ["Pledge against SDI has arrived at MIT" and "Deny CIA recruiters access to MIT."]. These people, of course, have the freedom to oppose freedom. Yet, we should be aware that this is what they are doing and more enlightened students and faculty should take heart that there are also many who will stand fast and not see themselves shackled by restrictions concocted by these groups.

Most importantly, the Institute itself should take no stand on is-

such as the Strategic Defense Initiative, and should not selectively deny individuals access to any prospective employer, including the CIA.

However, the undersigned individuals have the right to, and do make the following political statement: "We urge that research on SDI be vigorously pursued. Research is needed because there are many problems involved in constructing a defense against nuclear weapons. Research is warranted because it is the legitimate concern of government to provide for the common defense."

One must wonder how people can sit at a booth and point out difficulties with a project, then put forward a petition to prohibit research to resolve these difficulties. This is what research is for! The fight against cancer, the search for viable fusion energy, and many other research goals have huge problems facing them. That is why research institutions, such as MIT, are legitimately offered support to do such research.

One must also stand amazed at the argument that if some faculty do research on this subject, it will lend MIT's name to the pro-SDI

forces. Please note that this assertion comes only two weeks after the New York Times (Sept. 13, 1985) devoted a full page to Professor Morrison's and Professor Kistiakowsky's vilification of SDI. Incidentally, their institutional affiliation was mentioned.

Samuel Park G  
Ronald G. Lovejoy  
Perry Lee Anthony G  
John F. Pitrelli G  
Gregory D. Troxel '87  
John K. Burroughs '87  
Lisa Ezrol '88  
Charles E. Davis '87  
Bernard Bishop '86  
Jennifer Wiseman '87

## SDI software to be debated

To the Editor:

In recent months, scientists throughout the country have begun questioning the feasibility and desirability of President Reagan's proposed "Star Wars" defense against ballistic missiles.

Much of the debate has focused on the computer software required to support Star Wars: ten million lines of code, distributed among ground, air, and space components, which would control the detection, tracking, and interception of thousands of enemy missiles. Such software would have to accomplish its task within minutes, with little or no human intervention.

This Monday, Oct. 21 at 8 pm in Kresge Auditorium, four computer scientists will debate the feasibility of building software that can reliably accomplish this mission.

Two members of the Star Wars panel on Computing in Support of Battle Management — Danny Cohen of the University of Southern California's Information Sciences Institute, and Charles Seitz of Caltech — will face professors Joseph Weizenbaum of MIT and David Parnas of the University of Victoria, Canada. The formal topic will be: "Star Wars: Can the Computing Requirements be Met?"

Last June, Parnas resigned from the panel of which Cohen and Seitz are members, claiming that the required software could never be built.

In a series of memos attached to his resignation letter, Parnas

explained why he believed Star Wars software could never be fully specified or adequately tested before use, why it would inevitably contain serious bugs, and why research in artificial intelligence, program verification, software engineering, and automatic programming would not improve its feasibility.

In his resignation memos, Parnas also claimed that panel members have a vested interest in continued funding for Star Wars computer research, and have no experience in developing battle management software.

Next Monday's debate will be

co-sponsored by MIT's Laboratory for Computer Science and the Boston chapter of Computer Professionals for Social Responsibility (CPSR). CPSR is a national organization of computer professionals concerned about the effect of computer technology on society, and especially on the arms race. The organization began in 1981 as an electronic mailing list at a Palo Alto research center, and gradually grew to a national group of 700 members in twelve chapters throughout the country. CPSR's Boston chapter meets monthly at MIT.

Ron Newman '79

## Tsongas' Star Wars views were dismayed

To the Editor:

I enjoyed Paul Tsongas' speech Wednesday, Oct. 2. On the whole, I found him to be wise, charming, and all that. I am also glad that he at least briefly discussed the infeasibility of Reagan's Strategic Defense Initiative.

I was, however, a bit dismayed when he assured us that the Star Wars program is nothing for us to worry about. He said the program would eventually disappear because the American people would realize it is not in their best interests before long. According to his "keel" theory, our government sooner or later does what its people want.

There have been situations, though, in recent US history in which our government seems to have acted against the will of the majority of Americans. One ex-

ample is Nixon's secret bombing of Cambodia during a time of intense anti-war demonstration. Another example is Reagan's push for cuts in social security benefits, farm subsidies, and higher education financial aid. Do Americans really want these cuts?

The "keel" theory does not say how much time or public demonstration is necessary before the government responds to the needs and desires of the people. For SDI funding to cease, we may all have to go onto our grooves and shout for an end to this technological arms race. Even when Congress finally stops funding Star Wars, a large part of the trillion dollars estimated for it may already have been wasted.

Julian Joseph '85

## TheTech

Volume 105, Number 42

Friday, October 18, 1985

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# opinion

Column/Steven H. Wheatman

## Meeting a Mensan — who is also a Playboy model

Many of us know how hard it is to meet people of the opposite sex at MIT. Many of you may wonder how you can get lucky. Well, it's easy. Join *The Tech*.

*The Tech* provided yours truly with the opportunity of a lifetime: dinner with a Playboy model.

Valerie C. Coel SM '80 has posed for the November issue of *Playboy* magazine in "The Women of MENSA" spread. MENSA is an international society for people with high IQ's. The feature promises brains and beauty, all rolled into one.

Valerie has been on campus often since she received her degree, most recently in MTG's production of *Applause*.

Last week *The Tech* received a phone call about the *Playboy* pictorial. Joanne Selig, publicist, told us that Valerie is in town touring to publicize the feature. She asked if we "would like to do anything with her?" Valerie would be in town at the Copley Plaza Marriott for one day only. A woman attractive enough for *Playboy*. A meeting at her hotel. An offer not to be refused if I've ever heard one.

As photo editor, it was my responsibility to send a photographer to cover this interview. I am a fair person and I would never ask one of my staff members to do anything that I would not do myself. A staff member and I scheduled the event for Friday evening.

Leaving MIT, we wondered, "How will we recognize her when we get to the hotel." The solution — we stopped into Kendall Drugs and purchased a copy of *Playboy*.

On Friday, inside the T-station, we waited. A garbled voice mentioned something about delays. At this rate we would never make our meeting on time. We dashed out of the station, searching frantically for a cab. But there is never a taxi around when you need one, is there? Out of breath, sweating, we finally caught a cab in front of Lobby 7, told the driver our destination and rode off into rush hour traffic.

We pulled up to the lobby of the Marriott. The doorman met our cab dressed somewhat like a major-general in the Austrian army and offered assistance. The place has style. We were to meet them in Singletons, a coffee shop that rates two dollar signs in Boston Magazine. Very expensive. They wouldn't let us in the door. Our appearance was not up to their standards of dignity.

The front desk of the hotel told us that Joanne checked out

early that morning. At that point, the whole episode began to look like a giant practical joke.

We were ready to give up when suddenly there they were, Valerie, Joanne Selig and Joann Harjes, one of the other models appearing in the pictorial. Valerie wondered how we had picked her out. Two models and a rep who could have been a model herself? There was no need to refer to the magazine we had purchased earlier to pick them out of a crowd.

We entered the lounge. There was a lot of music and talking all around — not the best surroundings for an interview. But we journalists must learn to work under adverse conditions.

During the interview it came up that the model's hectic schedule that day had not allowed a chance to eat lunch. Being gentlemen, we asked if they would like to grab a bite. Our invitation was eagerly accepted. After a bit of discussion we decided to dine at Singletons (remember \$\$). This time the hostess let us in. Maybe because of our guests?

Now that we were not conducting "business," everyone was

much more relaxed. Conversation ranged widely.

Valerie went to MIT for the usual reasons. "Do you know of a better place to get a Masters in Computer Science?" she asked.

Why did she model for *Playboy*? She said it was to show that brains and beauty could coexist in the same person. (The feature in *Playboy* claimed that her prom date ignored her looks, and only dated her for her intelligence. I wonder, who was that poor deluded person?)

In this reporter's opinion (I have always wanted to use that line) it was to promote her career as a rock singer. Her group is putting together an album which should be released in a month or two. Can the publicity possibly hurt?

After dinner, we gathered in the lobby of the hotel to take pictures. That is the reason I was there, remember. As we were about to say goodbye, she graciously presented me with an autographed picture addressed to "the world's greatest photographer." How could one argue with a Mensan?

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- Controls

For more information on these programs and the major business areas available refer to the General Electric file located in your placement office.

### When and Where?

Thursday, October 24th, 5:00 — 6:00 p.m.  
Bldg. 4, Rm. 149

### What else?

Informal mixer with various GE technical recruiters. Refreshments served.

### When and Where?

Immediately following recent MIT graduate's presentations 6:00 — 7:00 p.m. Same location.

The future is working  
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## Imperfection plaguing SDI is very dangerous

(Continued from page 4)

tries to build SDI. They will not. They will surely develop counter-measures.

The most obvious one is simply to build more missiles. Suppose that after twenty years and a trillion dollars the United States deploys a missile defense that is 75 percent effective. The Soviets could, at a lower cost, quadruple the size of their offensive arsenal. The final result? The United States is no safer, the Soviets have spent less than us, and there are more nuclear weapons in the world.

Other responses include switching from ICBM's to submarine-launched missiles, building inexpensive decoy warheads, "hardening" existing missiles or developing anti-anti-missile weapons. Scientists at Livermore are already discussing how to protect

SDI satellites (anti-anti-anti-missile weapons, presumably).

The preceding points are frequently countered with arguments that technical innovations will make SDI effective. But shooting down warheads is not much different from shooting down SDI battle stations. Unforeseeable technical advances that might make SDI feasible will also make it a sitting duck.

In desperation, SDI proponents assert that while it will not protect us from the Soviets, it will defend against terrorist attacks. Terrorists are more likely to deliver a bomb in a truck than with an ICBM. SDI will not protect us from terrorists.

In short, we can't have a perfect shield, and we don't want an imperfect one. The sooner we abandon the Star Wars fantasy, the safer we will be.

## feedback

### Rights are independent

To the Editor:

"Do human rights exist independent of human society?" Yes.

In Mark Kantrowitz's column in the *Tech* ["Our human rights have been created by society," Oct. 8], he poses this question but with a different answer. To say that society grants human rights is putting the cart before the horse. Societies are created by man. They are a manifestation of man's needs and desires. The only powers societies have are those given to them by man. This means that the "power to grant rights" comes from man not society. Therefore man, by his very existence, must have certain rights.

Societies are formed, not out of altruism, but out of the self-interest of man. One man alone may have a tough struggle to survive, while many together can ensure survival. But living together poses many problems. There are no visible borders to let one know if he is encroaching upon another's rights. Therefore societies (rules) are formed with the intent to help protect the already existing rights of the individual. This then should be the starting point of any discussion of societies: man has rights independent of societies and societies were created to serve man, not the other way around.

Perry Lee Anthony G

# opinion



## feedback

### Extremism is not a vice

To the Editor:

I am not a war-monger and I don't want to overthrow peaceful governments. I don't approve of some of the CIA past deeds and I am far from being fully supportive of them now. However, I must stress: by and large they try to do what they are supposed to — keep the “red cancer” from spreading over the world's body. Perhaps abuse is inevitable in any governmental agency and it is certainly hard to keep on's hands clean in a dirty world, but...

About clean hands: isn't this a true reason of protests against the CIA recruitment on campus? The logic is simple: I don't care if a particular government slaughters its own as long as I am not involved. It happened before in Cambodia and Nicaragua, it's probably gonna happen again in South Africa. Well, there is an-

### Porn measure violates rights

To the Editor:

Cambridge wants to control our speech and actions through the pornography bill that, if passed will ironically be amended to the Human Rights Ordinance.

This bill will violate our freedom of speech. The bill defines pornography as “graphic sexually explicit subordination of women through pictures and/or words that also includes one or more of the following...” There is a long list that follows. This bill would, among other things, outlaw for writing and even the telling of many dirty jokes.

The amendment is so ridiculous that it even invades our privacy. One of the parts of the definition of pornography is,“(viii) women are presented as being penetrated by objects or animals.” Among other things this clause describes sex. If someone blatantly proposes sexual relations with someone else, that would be pornography — “graphic sexual explicit subordination... by words.” A casual comment, in privacy, to a female friend about certain body parts would be pornography if this amendment is passed.

This bill is a step towards a police state. The bill does not protect you even in your own home. Unlike almost all other laws intent is not a requirement (sec. 18 e.). If this bill is passed, and challenged, there is a good chance that it will be struck down as unconstitutional. We should not have to let a bill like this get that far.

The only reconciliation that I see in the bill is that a police officer photographing or taping pornographic acts as evidence is himself producing pornography and could therefore be charged well.

Adam Dershowitz '89

other term for this kind of attitude: to wash one's hands out.

I came to this country from Russia less than two years ago. I tasted the KGB there. And I believe I have a proper background to remind the protesters that extremism in defending freedom is no vice and moderation in pursuing justice is no virtue.

Slava Serota G

To the Editor:

Regarding the letter [“Deny CIA recruiters access to MIT,” Oct. 8] signed by Katherine Macgraw G and others seeking to stop the CIA from recruiting at MIT:

Do Macgraw and her colleagues seriously expect the United States to operate without intelligence gathering capacity? In the international arena, survival is determined by might, not right. This is unfortunate, but to deny this is to close one's eyes to reality.

Intelligence gathering is indispensable to our ability to react to world events. We must know what our enemies are up to in order to counteract their moves. It is too late to respond effectively after the arrival of a new weapon is announced, or after a coup is executed, or after a troop buildup has been completed, or after our military and technical secrets are stolen.

The writers of the letter complain that the CIA does not represent respect for democracy and universal human rights. Who stands for human rights, then, the KGB? America stands for democracy and human rights, and the CIA is indispensable to our survival.

The letter complains that CIA operations are not a matter of public information. How can an intelligence agency operate if everyone knows what it is doing? Secrecy is an absolute requirement for such an organization.

Where are all these people when it comes to protesting the actions of the Soviet Union? I don't see any booths in Lobby 10 keeping people informed about the invasion of Afghanistan. The latest Soviet tactics there include dropping brightly colored toys filled with explosives into rebel villages, where children pick them up, leaving them without

hands. Many are rightly angered that the oppression of blacks in South Africa, but what about the oppression of the Poles? The Czechs? The Hungarians?

Those who blind themselves to the reality of the world situation represent, as I believe Winston Churchill names them, a “fifth column” residing among us. Whether due to naivety, ignorance, or actual malevolence to America, these people serve the purposes of the Soviet Union. Their actions weaken America's will and ability to survive.

Everyone agrees that war is terrible. Why don't we throw our weapons into the sea today and declare world peace? Idealism is nice, but you can't be idealistic when you're dead. Ideals rot in the prison of totalitarian society. Let us not delude ourselves as to what keeps us free and safe.

Paul Sherer '87

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# opinion

## feedback

### Morality should precede the law

To the Editor:

Imagine yourself imprisoned in a dictator's concentration camp, locked in an underground cell with the premonition of death in the next footsteps you hear. What would give you the moral fire to attempt escape? What would justify your friends' outside to work for a change in government? Even in the event of certain death at the hands of your jailers, why should you refuse to see this as your natural fate on earth? What makes you the victim?

The answer to these questions is that an innocent person has the moral right to his own life. This is a moral principle, not a legal one. It is *inalienable*, that is, it cannot be taken away by any legal system, whim of a king, or executive order.

But now slithering up out of a crack in the dungeon floor comes Mark Kantrowitz ["Our human rights have been created by society," Oct. 8]. Give up, he squeaks, you are in the wrong. Accept the status quo. Any rights you many have are a *gift* from the state or "society" — and in your case the gift has been withheld. The only "right" you have is to serve our leader!

This is like a street lout snatching your purse and jeering, "You have no right to your purse, because I've got it now."

When Dave Honig ["Your work is for your own benefit; decide your obligations for yourself," Oct. 4] referred to rights, he meant moral rights. One can split the idea of individual rights into two parts: moral (natural-human) rights, and political (legal) rights. The former have their source in the nature of man, the latter are a government's recognition in law of the former. That is, a just government protects individual rights (i.e. the right to be free from coercion, to privacy, to keep, use, and dispose of what you produce; in short, the right to pursue your own happiness). This is capitalism.

Valid legal rights are not a *gift*, but the political *recognition* of an ethical principle: that of self-interest. Individual rights are the bridge between the politics of capitalism and the ethics of self-interest. Mark Kantrowitz is consistent, at least he realizes that the ethics of altruism (the opposite of self-interest) entails the total denial of human rights.

America was originally based on the idea that government is the servant of the people. Mark Kantrowitz wants it the other way around. He would make you a vassal of the state, his protestations to the contrary notwithstanding. He says "society can choose to establish rights (and responsibilities) for its members, and to enforce them through the government."

He maintains that "each individual should feel grateful to society for granting him or her these rights, and . . . the individual should attempt to repay society for them. The only obligations are those that society imposes on its members. . . ." (He then remarks parenthetically that one such obligation is to respect "the rights of others" — what rights?)

Then he claims that all this does not mean slavery! But it clearly does — he is advocating the ethico-political basis of station, indeed of a totalitarian state.

He abuses the English language to help put this over. An obligation results from a voluntary contractual relationship. "Impose an obligation" is a contradiction in terms.

He uses "society" as a mystic entity to which anything can be sacrificed (eg. you). In the practical implementation of his ideas, "society" would turn out to be an aristocratic elite.

Observe that the very same ideas, expressions, and collectivist claptrap like "society" are being used to revive the old Selective Service draft, and to establish a colossal new one: a "National Youth Service." In this

(Please turn to page 9)

FRIDAY, OCTOBER 18, 1985 The Tech PAGE 7

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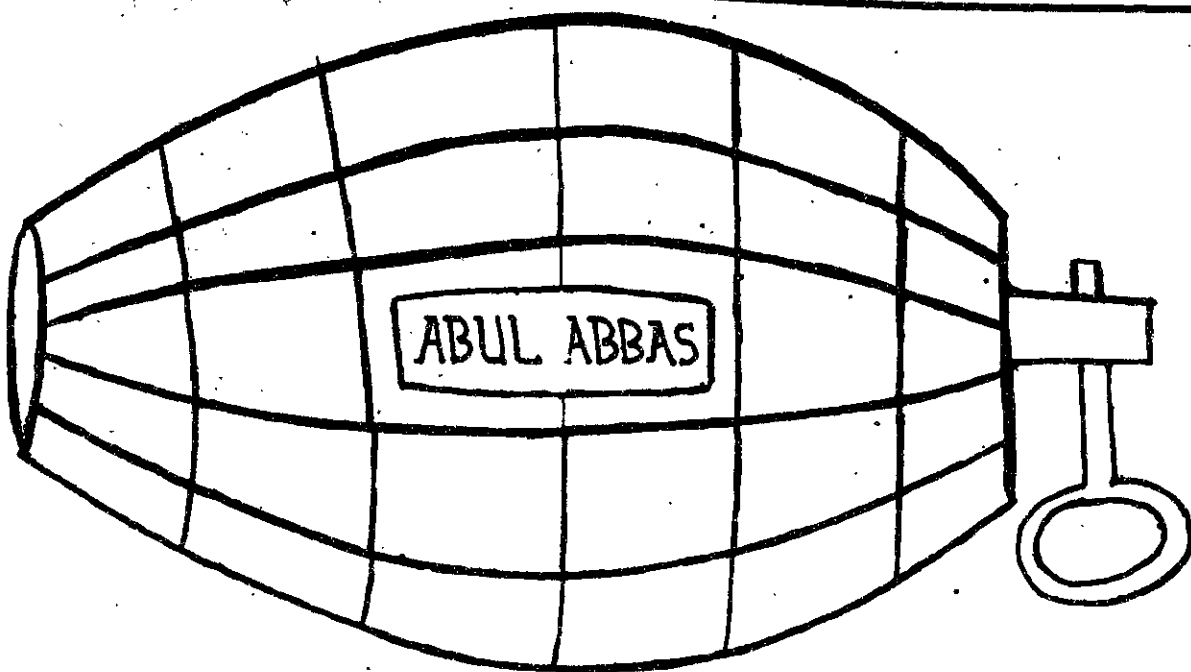
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# opinion



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## feedback

### You are not owned by the state

(Continued from page 7)  
scheme, which would be a permanent law, the federal government would compel every young man and woman (no exceptions or deferrals) to labor at either military or "social" federal projects during one year (or two — details differ among the NYS's advocates) of his or her life sometime between the ages of 19 and 24 (again, details differ).  
Sir, or madam, it is your duty

to serve society! You are obligated to the State which does so much for you. You should feel grateful because social-spirited people will not leave you to your own business. If you disagree, we'll just have to throw you in jail for welching on your debt to society.

Needless to say, I was taken over by a spook in that last paragraph.

Why self-interest (and capitalism) instead of altruism (and statism)? Ayn Rand argues that self-interest follows from reason

— see her work. For now, note that Mark Kantrowitz, in arguing for altruism, is reduced to that signature of intellectual bankruptcy, "why not?" — like a peddler of little opium pills.

Mark Hunter

Jet Propulsion Laboratory/CALTECH  
Campus Interviews Th., Oct. 31 & Fri., Nov. 1

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Tech photo by H. Todd Fujinaka

Sally Ride, the first American woman to go into space, spoke at MIT yesterday. After speaking, she fielded questions from the audience on topics of the shuttle missions, the prospect of colonization, and her personal feelings while in space.

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We are interested in candidates from any country. We are particularly keen to meet candidates from Singapore, Malaysia, Taiwan, and Hong Kong.

We are holding an information meeting between 5 and 7 p.m. on Thursday, October 24, in Room 12-142, and will be interviewing candidates in the Careers Office, Room 12-170, on Friday October 25.

Bring your resume to the Careers Office in 12-170 to make an appointment for an interview.



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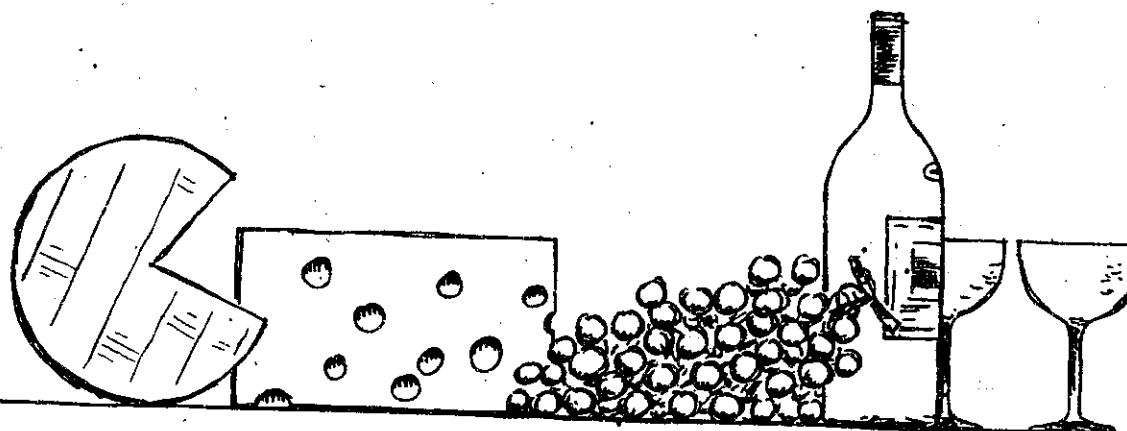
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### Graduate Students Faculty, Staff

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Friday, October 18

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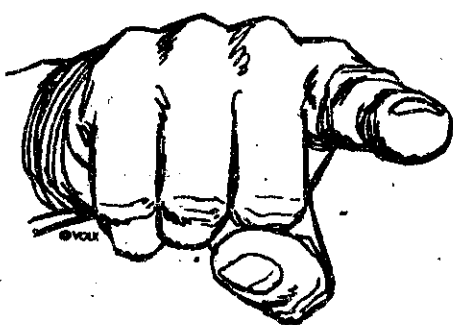
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## COMMENCEMENT 1986

The Commencement Committee invites recommendations for speakers and/or topic-areas from all members of the MIT Community for a Commencement speaker at MIT's Commencement on Monday 2 June 1986. The Commencement speaker should be one who will be able to address topics of relevance to MIT. Written nominations and topic areas may be dropped off at the following locations:

**The Undergraduate Association Office  
Room W20-401**

**The Graduate Student Council Office  
Room 50-222**

**The Information Center — Room 7-121**

Deadline for nominations and suggestions is 6 November. In addition, suggestions may be filed with any member of the speaker subcommittee. They are John H. Slater, Chairman; Donald R. F. Harleman, Ex-officio and Chairman of the Commencement Committee; William J. Hecht, Executive Vice-President of the MIT Alumni Association; Vivienne Lee, Senior Class President; Walter L. Milne, Assistant to the Chairman of the Corporation and Assistant to the President; Mary L. Morrissey, Executive Officer for Commencement; and Janine M. Nell, President of the Graduate Student Council. The speaker subcommittee will review all suggestions and make a short list for submission to President Gray. The list will not be made public nor will it be rank ordered. The responsibility and authority for selecting a Commencement speaker and issuing an invitation will rest with President Gray.

## Attention Graduate Students!

### STANDING COMMITTEES OF THE FACULTY:

Committee on the Undergraduate Program (1)\*

\*(The prerequisite for this seat is that the student must have attended MIT as an undergraduate)

Faculty Policy Committee (1)

Committee on the Library System (2)

### COMMITTEES APPOINTED BY THE PRESIDENT:

Commencement Committee (1)

Community Service Fund Board (2)

Dining Advisory Board (1)

Equal Opportunity Committee (2)

Committee on Foreign Scholarships (1)

IAP Policy Committee (1)

International Institutional Commitments (1)

Prelaw Advisory Council (1)

Medical Advisory Board (2)

Radiation Protection Committee (1)

Committee on Safety (1)

Student Activities Development Board (1)

Toxic Chemicals (1)

Use of Humans as Experimental Subjects (2)

Committee on the Visual Arts (2)

Committee on Women Students Interests (3)

FOR FURTHER INFORMATION, APPLICATION FORMS, AND TO  
SCHEDULE AN INTERVIEW, PLEASE CALL THE GRADUATE  
STUDENT COUNCIL OFFICE (x3-2195) BETWEEN 1:30 - 5:00  
p.m.

Jet Propulsion Laboratory/CALTECH  
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# ON THE TOWN

## Friday, October 18

LSC shows *Return of The Jedi* no less than four times: At 7 and 10pm in 26-100 and 8 and 11pm in Kresge. *Guys and Dolls*, starring Maflon Brando will be shown at 7:30 in 10-250.

MIT Community Players continues its performances of Bertolt Brecht's *Galileo*. Through Saturday, October 19, in Kresge Little Theatre at 8pm. Admission \$6, or \$4 with MIT ID.

Schubert's *Winterreise* will be sung by Hermann Frey, in Jordan Hall, tonight at 8pm. *Event in The Tech Performing Arts Series.*



The Museum of Fine Arts shows *La Bête Humaine*, and *La Marseillaise*, in its Jean Renoir Film Series. At 5:30 and 8pm respectively.

Still more Renoir (he is all over Boston): The French Library, at 53 Marlborough Street, Boston, shows *La Grande Illusion*, today, Saturday and Sunday at 8pm. Admission \$2.50.

## Saturday, October 19

LSC presents the cult classic, *The Blues Brothers*, starring none other than John Belushi and Dan Akroyd. At 7 and 10pm in 26-100.

The New Orchestra of Boston, composed of free lance musicians from MIT and the surrounding Cambridge/Boston community, will play at The American Academy of Arts and Sciences, 136 Irving Street, Cambridge. The program features Mozart and Arthur Berger. At 3pm, admission is free. For info call 492-8800.

"Support Human Rights: Save Lives." This is the motto of an exhibition and sale of original works of art by local artists, to benefit Amnesty International. Today and tomorrow from noon till 8pm, at Modestino Gallery, 426 Broadway, Cambridge.



New Works in Computer Arts will be shown in the Auditorium of the First Church, 11 Garden Street, Cambridge.

Featuring music by MIT's Marco Stroppa. At 8pm, admission \$6, students and senior citizens, \$4.

The Guarneri String Quartet plays Haydn, Bartok and Arensky, in Jordan Hall at 8pm. Remaining tickets are \$16.50 and \$14.50.

Don't Look Now, directed by Nicholas Roeg, is an incredibly terrifying and erotic story of a couple whose child is murdered. Starring Donald Sutherland and Julie Christie. At The Modern Times Cafe, 134 Hampshire Street, Cambridge, 9pm. The surrealist classic *Un Chien Andalou* will also be shown. Admission is \$3.50.



## Sunday, October 20

The MIT Brass Ensemble, directed by Gregory Hopkins, will perform in Kresge at 3:30. Admission is free.

The French comedy, *Cousin, Cousine*, is be screened in 26-100 at 6:30 and 9pm.



Under the patronage of His Grace the Duke of Norfolk, The Westminster Cathedral Choir from London will sing plain-song, polyphony and modern works. In Symphony Hall at 3pm. *Event in The Tech Performing Arts Series.*

## Tuesday, October 22

Kurt Vonnegut, author of *Slaughterhouse Five*, *Cat's Cradle* and *Jailbird*, will be at MIT due to popular demand. At 8pm in Kresge. Admission \$4 and \$3.

## Thursday, October 24

The Noon Chapel Series presents guitarist Glorianne Collver-Jacobson who will play Latin American guitar music. In the MIT Chapel at noon.

Tonight the MIT Shakespeare Ensemble opens their new production of *Much Ado About Nothing* at 8pm in the Sala de Puerto Rico. \$4 for students, \$6 for fat cats. Plays until October 29.

Michiel Bos  
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**MONDAY, OCTOBER 21**

**ROOM 9-150**

**4:00 PM**

Informal Supper and Discussion will Follow

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**Tuesday, October 22, 1985**

**7:00 p.m.**

**Hyatt Regency  
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**Reception to follow**

## ARTS ARTS

## Sinfonova - purest brand of Mozart

Sinfonova conducted by Aram Gharabekian, Jordan Hall, October 11, Event in The Tech Performing Arts Series. Andrei Gavrilov makes his Boston debut, Symphony Hall, October 13, Event in The Tech Performing Arts Series.

Dr. Eric Block, senior physician of the women's hospital in Halmstad, Sweden, uses an unusual aid to childbirth: Wolfgang Amadeus Mozart. When contractions start, a tape of Mozart's K. 467 Piano Concerto is played. The relaxed atmosphere in the labor room is said to make birth less painful and dangerous for the mothers-to-be, who have already practiced relaxation exercises to the music. The infant mortality rate in Halmstad is far below the average of other clinics.

Any American maternity units contemplating use of this all-soothing drug-without-side-effects would do well to prescribe heavy doses of Sinfonova brand, the purest form of the drug currently available.

Sinfonova's Jordan Hall concert last Friday night danced with delight but also

fathomed what Alfred Einstein identified as quintessentially Mozartian "poignant pessimism," and did it with such touching contemplative beauty that no listener could escape finding elation in sadness.

Mozart's Divertimento in B flat, K. 137, began the evening in elegant and vibrant style. But it was in the Andante of the Divertimento in F, K. 138, that we reached the height of Mozartean rapture. The orchestra — behaving as one transparent instrument — evoked a texture of greater sublimity than words can describe: such pleasure in pathos can only be adequately expressed in tones, and Sinfonova's tones breathed the soul of Mozart.

We heard next the Boston premiere of Mozart's recently rediscovered Symphony in A minor, K. 16a. An early work — and exercise in *sturm und drang* — it is a symphony of contrasts, and Sinfonova brought it off with panache. The work opened with urgent dynamics, but the orchestra never failed to eloquently display the many curious little details to be found

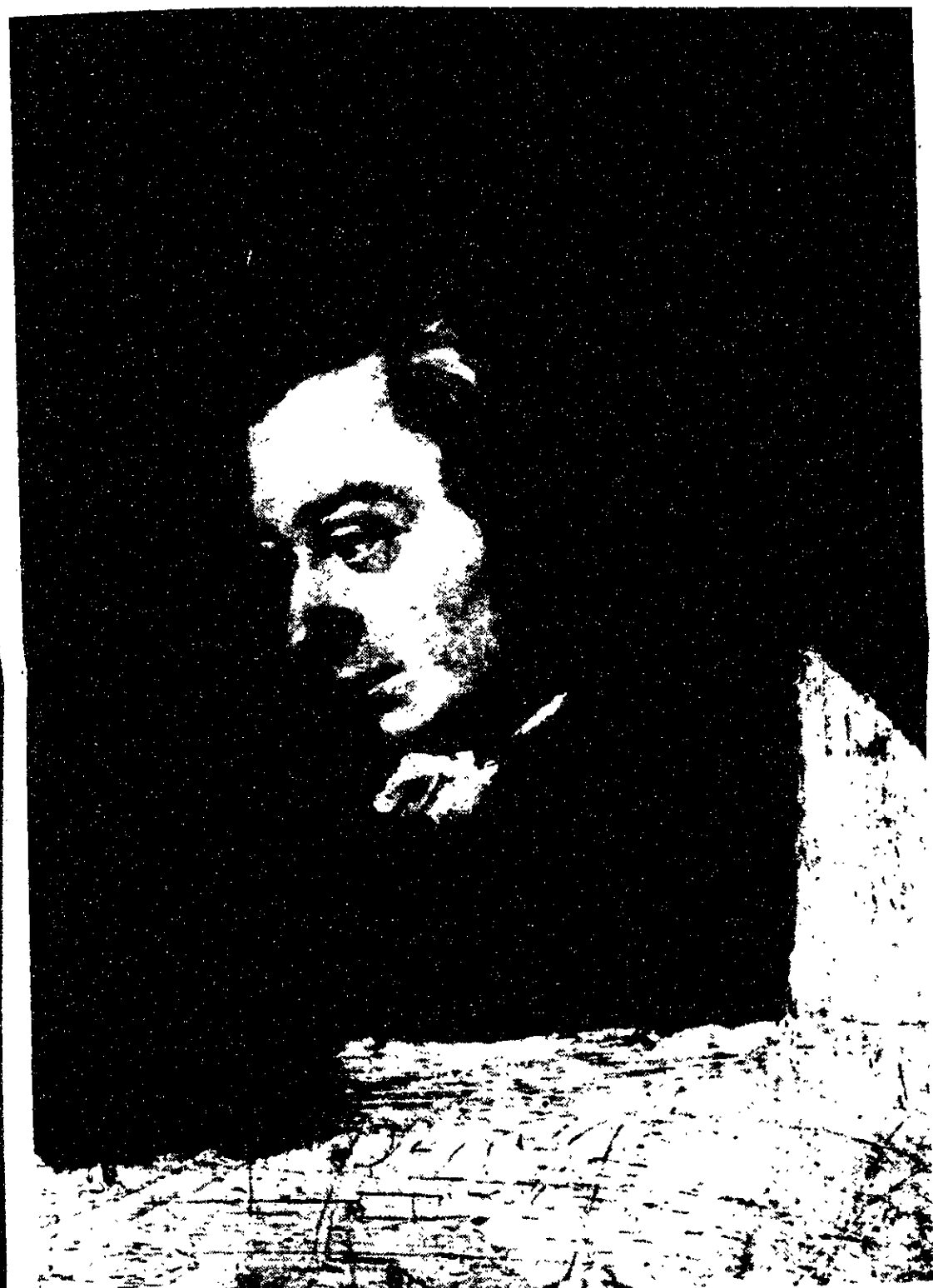
in the score with dash and taste.

David Deveau — an instructor at MIT — and Randall Hodgkinson provided a lively account of Mozart's Concerto for

Two Pianos in E flat, K. 365. The humor, the playfulness — of Mozart the eternal child — between the pianists was uplifting; (Please turn to page 14)



Aram Gharabekian, conductor of Sinfonova—dancing with delight, finding elation in sadness.



Mozart, unfinished portrait by Joseph Lange.

## Whales, trout, birds - pleasure

MIT Chamber Players, Kresge Auditorium, October 11.

If the last MIT Chambers Players concert had a motto, it probably was the following: there are very few things to be said in art, and an infinite number of ways to say them. The theme of the concert was sounds of animals. Schubert's Trout Quintet, Messiaen's Oiseaux Exotiques and George Crumb's Vox Balenae could hardly have been better chosen to exemplify the variety of approaches of composers to the sounds of nature.

Oiseaux Exotiques was commissioned by Pierre Boulez from Messiaen in 1955. Messiaen responded with a mini-piano-concerto for piano and chamber orchestra. Each instrument represents a bird. The sounds are taken from almost twenty birds from India, Malaysia, China, North and South America. The percussion instruments play ancient Greek and Hindu rhythms. The E-flat clarinets and the xylophone have secondary solo parts.

The combination, as director Marcus

Thompson put it, "is quite an aviary." All of the birds sing, whistle, fly, fight together. None of them ever tires of claiming its own part in the listener's ear.

The piano impersonated mainly the red cardinal. The bright red of the cardinal and its liquid, shrill voice lit-up the entire piece. The pianist, guest artist Martin Amelin, seemed made for his part. He played the red Cardinal passages — marked at times "brilliant, as fast as possible" — with a vivacity that would have done justice to the brightest-colored bird.

Crumb's Vox Balenae was similar in concept to Oiseaux Exotiques: it too, seemed to imitate the sounds of nature. But the comparison went no further.

Crumb was inspired to write this piece by a tape of whale sounds he heard. He wrote it in 1971, for three masked players: electric flute, electric piano and electric cello. The piece was premiered by the New York Camerata.

In Thursday's performance, Monty Mc-

(Please turn to page 14)

The Tech Performing Arts Series presents...

## WESTMINSTER CATHEDRAL CHOIR

From London

Westminster's famous boys' choir will perform a program of plainsong, polyphony and modern works ranging from Dupré and Bach to Howells and Elgar.

Symphony Hall, October 20, 3pm. MIT price: \$6.

## BOSTON LYRIC OPERA COMPANY

La Voix Humaine & Façade

La Voix Humaine, Poulenc's tale of a woman who cannot face the end of an affair is paired with Walton's Façade.

Northeastern University, Alumni Auditorium.

October 25 at 8pm. MIT price: \$6.

## CHAMBER MUSIC SOCIETY

Boston, Lincoln Center joint concert

Members of the Chamber Music Society of Lincoln Center will join the Boston Chamber Music Society for a special gala concert of works by Doppler, Dvorak and Mendelssohn.

Sanders Theatre, October 27, 8pm.

Tickets normally \$35 or \$12.50. MIT price: \$8 or \$5.

## COLLAGE

MIT goes contemporary

MIT Professor John Harbison conducts Collage, the contemporary music ensemble, in 1985 Pulitzer Prize winner Stephen Albert's Into Eclipse and works by Christopher Rouse, Robert Selig and MIT senior lecturer Edward Cohen. Edward Pickman Hall, Longy School of Music, November 4, 8pm. MIT price: \$4.

Tickets for all four events are on sale courtesy of the Technology Community Association.

Drop by Room W20-450 in the Student Center, or call 253-4885 to check on availability.

The Tech Performing Arts Series, a service for the entire MIT community from The Tech, MIT's student newspaper.

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# ARTS ARTS ARTS

## Chamber group in performance

(Continued from page 13)

Govern played the piano, Cynthia Woolley the flute and Stephanie Wingfield the cello. The players used regular instruments. This set them at a relative disadvantage, but they overcame it remarkably well.

The piece began with "Vocalize for the Beginning of time", for solo flute. The marking for the "Vocalize" is "wildly fantastic, grotesque". The flautist sings while playing. The slow, voice-instrument lamentation, the performers' black-masked faces, the blue light bathing the scene, all transported the listener into the composer's eerie fantasy on "the beginning of time."

Toward the end of the Vocalize the piano introduced a brief motif recalling the opening of *Also Sprach Zarathustra*.

The body of *Vox Balenae* is a set of five variations on a haunting sea-theme, introduced by the cello. The variations take the listener from the Archeozoic (marked "timeless, inchoate"), through the Mesozoic ("exuberant"), up to the Cenozoic era. In this era, the motif from *Also Sprach Zarathustra* returns to mark the drama and sense of destiny associated with the appearance of man.

Unfortunately, this theme was not prominent enough and the message failed to get through. One was left wishing to hear more of it.

From the Cenozoic, we passed to the end of time. This was described in a "sea nocturne (... for the end of time)", marked "adagio, pure, transfigured". The piece ends with seven repetitions of a simple ten-note motif. The motif diminishes until it becomes so soft that the last time it has to be performed in pantomime. The final instruction in the score commands the players to remain immobile after the end of the piece.

The piece, as theatrical as it was musical, created a forceful, lingering impression. The players deserve congratulations for tackling this unusual music, which required them to explore the least-known facets of their instruments.

The 19th century amateur cellist Sylvester Paumgartner was so entranced by Schubert's short song *Die Forelle* — "The Trout" — that he commissioned from the composer a quintet based on this song. Schubert accepted the offer in the countryside in Steyr. "There are eight girls here," he wrote to his brother, "almost all pretty. The country around Steyr is unbelievably lovely." From that carefree atmosphere was born the unbelievably beautiful *Trout Quintet*, perhaps Schubert's best known work.

The five movements of the piece, although structurally correct, are considered very simple from the musical point of view. A breathtaking wealth of melodies takes the place of musical complexity, making the piece a counterpart to Mozart's divertimenti and serenades.

The beginning, *Allegro Vivace*, introduces all the instruments, as if each competes with the others, unable to wait for its turn.

The weakest part of Thursday's performance was the second part, a lyrical *Andante*. The players started too slowly, and the music tended to drag.

*The Andantino* — Theme with variations — on the other hand, was beautifully played. One had the impression that the piece only started with that part. The cellist, David Finch, played especially well. His interpretation was extremely sensitive, laden with the lyricism and simplicity the music called for.

The impetuous *Finale*, with its melodies inspired from carefree Hungarian dances, ended the quintet and the entire program.

Jacqueline Gottlieb

## Sinfonova has Mozart magic

(Continued from page 13)

but their response to the deeper questions asked in the *Andante* was breathtaking. The wonderfully colorful strings provided a serenely unifying force to support the soloists. Deveau, energetic and flighty, Hodgkinson, the introverted dreamer became one with the orchestra, and with Mozart too.

Andrei Gavrilov gave his Boston debut last Sunday. His command of the keyboard and exciting — if massive — style showed that this will not be the last time he plays in this town. Scriabin's *Twenty-four preludes* were shown in many lights, from icy harshness to romantic warmth. His grip on the works was mesmerizing. Perhaps particularly remarkable was his treatment of the *Prelude in C sharp minor for the left hand*, Op. 9, No. 1: One had to look to appreciate that he was only playing with one hand.

In the Rachmaninov, which followed the intermission, there was, at times, a little too much nervous frenetic energy and a few resultant passages of rawness, but his romance with the pieces shone through, making Gavrilov's a captivating recital.

Jonathan Richmond

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Career Fair Banquet:

October 18, 6:00 PM Hyatt Regency

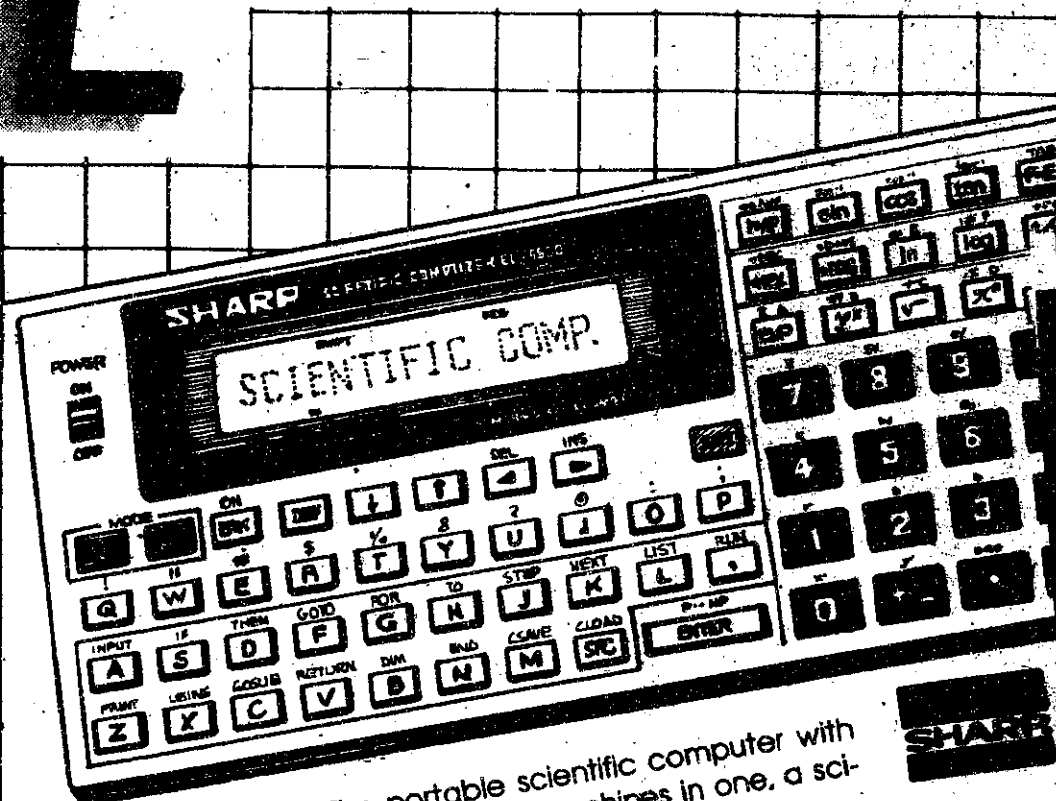
Speaker: Dr. Paula Wells

Principal Owner and Executive Vice President, Wells Engineers, Inc.

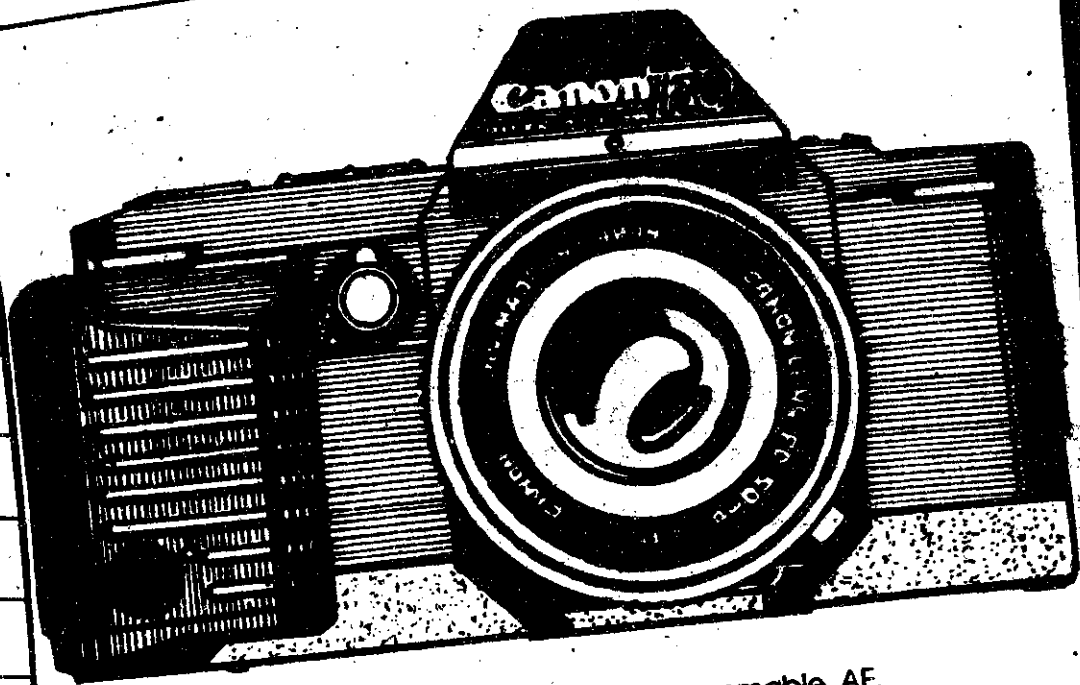


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## Three systems designed to sort news

(Continued from page 1)

tween users and the LCS. This program has not yet been tested with users.

The MIT Community Information Service continually collects articles from *The New York Times* and the Associated Press (AP) at several databases in the LCS, Gifford said. The articles are then broadcast "almost 24 hours a day" using available channels at WMBR and WERS, the radio stations of MIT and Emerson College. Receivers attached to users' personal computers enable the computers to intercept information from the airwaves.

Users create set filter lists which indicate the types of articles they would like to receive. "For example, I like Janet Maslin's movie reviews, so I get all her articles," Gifford said.

The personal computer then matches all incoming articles with the filter list, discarding those that do not fit the user's interests, and storing the rest in reverse chronological order.

"The technology is aimed at ordinary folks who would like to use the computer every day," Gifford said. The system is designed so that it could "serve an entire metropolitan community."

The LCS has been testing the system since April 1984 by providing ten users in the Boston area with articles from *The New York Times* and the AP, as well as community news on an electronic bulletin board.

One of the system's technical advantages is that the most of the information is "sorted and processed at the users' homes," Gifford said. This reduces the work done by computers at the LCS. Another advantage is that the technology is relatively inexpensive; the receivers cost only \$100.

### Students must stay alert in public areas

(Continued from page 1)

feelings about a person or situation as the second step of the safety cycle. People can be swayed by friends to discount a sense of discomfort, Antico said. But "I don't question that sense. I accept it," she added.

"Look for safety resources available in the situation" as the third step, she continued. The last two steps of the safety cycle involve using the safety resources and completing a follow-up so that the dangerous situation will not recur.

Antico emphasized that the program is not only for women and that men are just as vulnerable to crime.

Campus Police Officer Cheryl Vossmer, who was also present at the prescreening, discussed the relevance of Antico's advice to MIT students. She outlined precautions students can take to reduce their chances of becoming victims of crime. For example, students should not read while walking in public places because this diminishes awareness.

Gifford remarked that the communication system involves interesting social as well as technical issues. The AP releases more than 4000 articles each day, but newspapers do not have space to print them all. "So there's a lot of pre-selection going on," Gifford said.

The MIT Community Information Service gives users access to all AP articles so they are not limited to "an edited view of what someone at *The New York Times* thought was important," Gifford said.

One possible drawback of filtering is that users narrow their interests by reading only certain types of articles. "But like any powerful tool, [the system] can be put to good means and bad," Gifford said.

The electronic clipping service, which will be tested by 40 Project Athena students and staff, avoids the need for users to own a personal computer, Gifford said.

A user only needs access to a terminal and an electronic mail account. The program will automatically forward appropriate newspaper articles to the account.

"For example, if you're interested in nuclear accidents, you

just tell the clipping service, and the program will send those articles to your account," Gifford said.

Project Athena's three-month trial of the electronic clipping service will end during Independent Activities Period. "At [that] time we will evaluate it, and decide whether to expand or suspend the program," said Assistant Director of Project Athena William Hogue.

The Walter program operates like the MIT Community Information Service. But Walter also allows users to request articles that are not specified on their filter lists from LCS databases. "Walter gives information on demand, but it also overloads the computer at the LCS," Gifford said.

Gifford stressed that the three communication systems are strictly research projects; MIT owns the software, but the LCS does not intend to turn them into commercial ventures. The purpose of the three-month trial with Project Athena is to get feedback on the electronic clipping service. "We are not going to become Project Athena's general information service," Gifford said.

## DROP BY

## AND

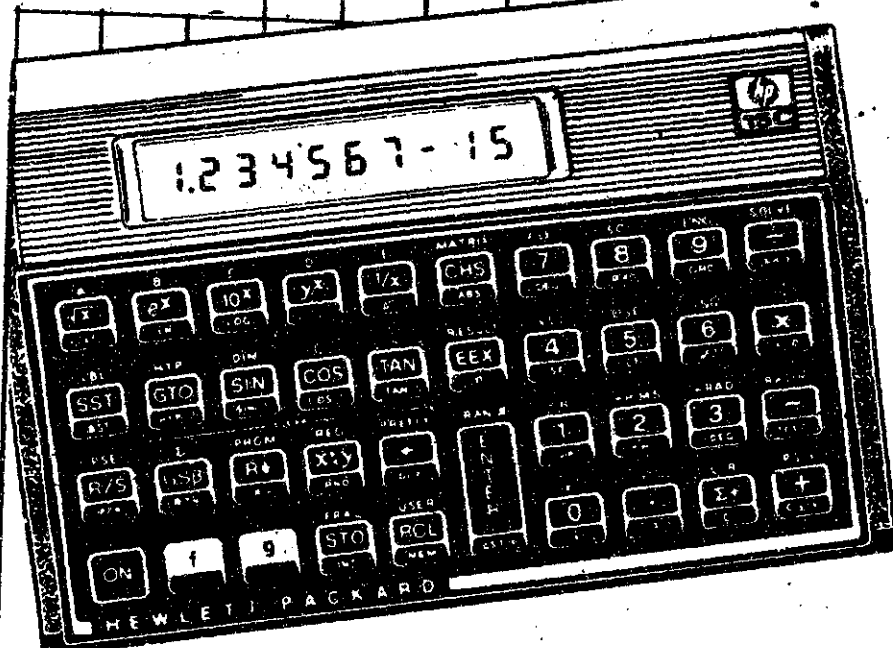
## MEET

### THE PEOPLE WHO HELPED TO PUT THIS ISSUE TOGETHER

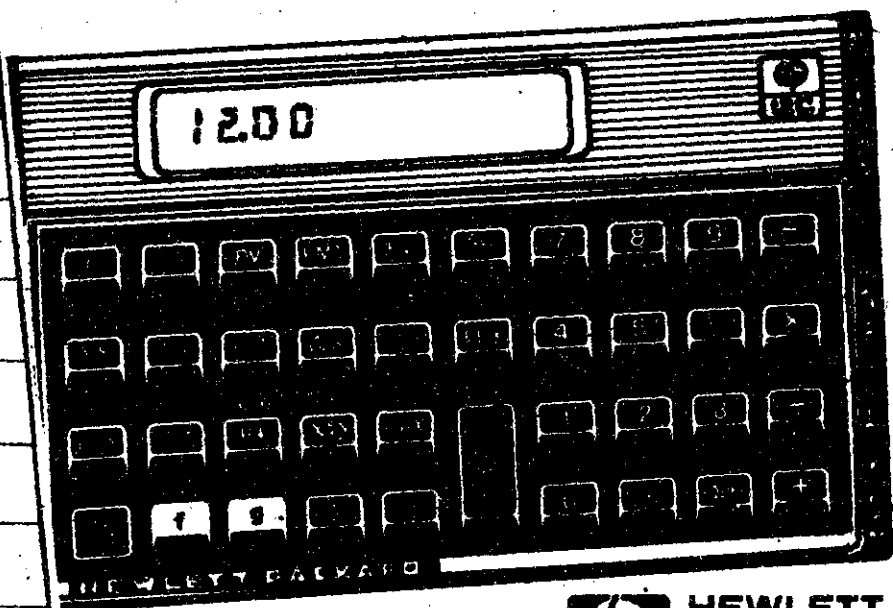
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# Electronic & Photo Fair

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11:00 - 3:00 Sony 8mm Cameras  
12:00 - 2:00 AT&T Telephones  
2:00 - 4:00 Sharp VCRs

### October 21st

10:00 - 2:00 Berkey Film Processing  
11:00 - 2:00 Canon 8mm Cameras  
2:00 - 4:00 Texas Instruments

Come in and register to win free prizes including a Toshiba Compact Disc Player!

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## Announcement of pilot scholarship incentive

*The text announcing the Pilot Outside Scholarship Incentive Program, which was distributed to eligible students this summer, follows:*

The Student Financial Aid Office, in conjunction with the faculty Committee on Undergraduate Admissions and Financial Aid (CUAFA), has decided to test

a plan which provides incentive for upperclassmen who apply for and receive scholarships from sources outside the Institute. On a trial basis, therefore, when we receive notice of a new outside

*scholarship awarded to an upper-class student, the amount of that award (or a combination of such awards) up to \$1000 will be used to reduce the National Direct Student Loan (NDSL) in the*

awardee's standard package of aid, rather than reducing MIT Grant.

This trial exception to a long-standing MIT policy will apply only to scholarships awarded for years following completion of the first academic year at MIT. It will exclude awards made prior to, as

well as during, that first full year of enrollment.

To illustrate: If an upperclass student receives a new award of under \$1000, the MIT grant already assigned *will not* be reduced — the NDSL loan in the self-help portion of the aid package *will* be reduced in the amount

of the new award. If the new award exceeds \$1000, the NDSL would be reduced by \$1000, and the amount of the award (or awards) exceeding \$1000 would result in an equal decrease in any MIT-administered grant.

Some outside scholarships meeting the requirement of "newness" will nevertheless be excluded from this pilot program.

These include (but are not limited to) new: Pell Grants; ROTC Scholarships; state scholarships; and corporate scholarships administered as gifts to MIT.

This pilot program will be in effect for 1985-86 and 1986-87. An evaluation will then be made, taking due notice of our experience with and comments by students and sponsors.

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## JEWISH INTRODUCTIONS



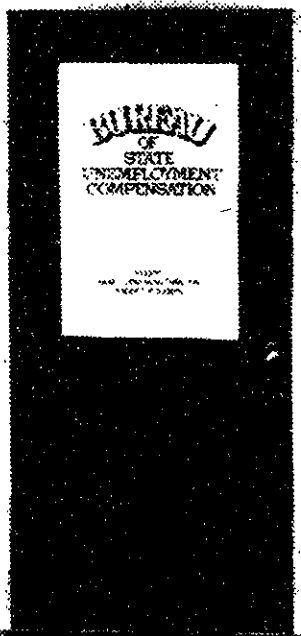
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- You and your potential friend will each receive a confidential letter, so that you can arrange to meet each other at your mutual convenience. Whenever possible, participants will receive more than one match. All inquiries and information will be held in strict confidence.
- Interviews will be conducted at your campus beginning in October and at regular intervals throughout the academic year. Matches will be made whenever appropriate between November and May. There is a five dollar registration fee, a ten dollar interview fee and a deposit which will be returned upon completion of a follow-up questionnaire.
- Call 266-3882 between 9 a.m. and 2 p.m. for interview appointments and information.

A project of the Metropolitan Outreach Program of the B'nai B'rith Hillel Council of Greater Boston, 233 Bay State Road, Boston, MA 02215.

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pronounced  
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didn't.**



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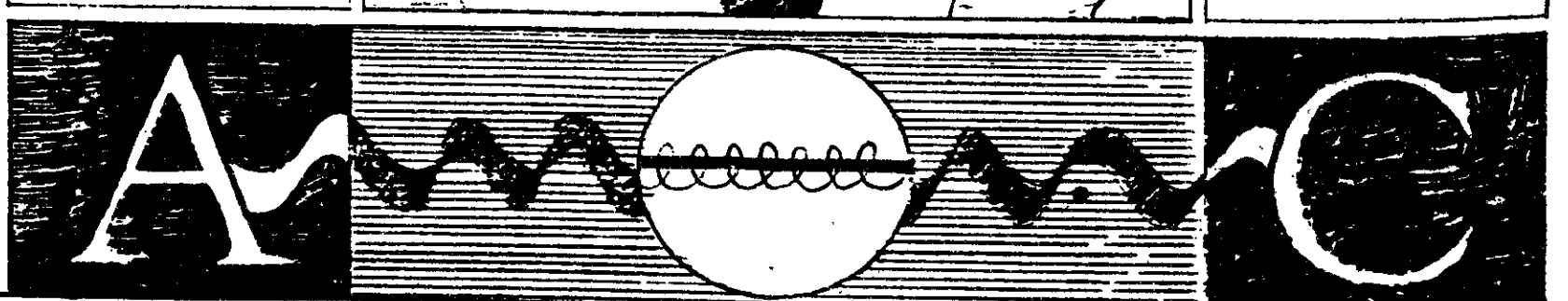
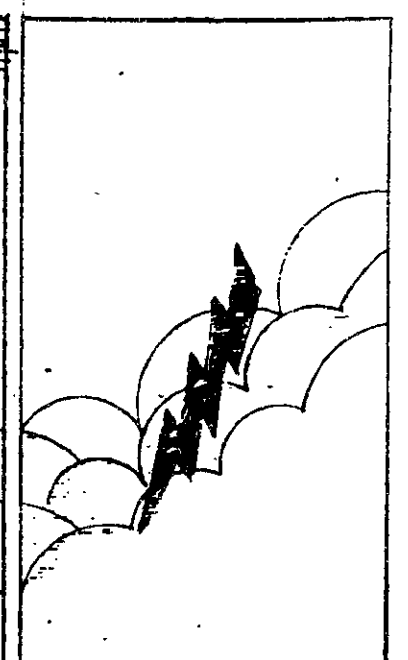
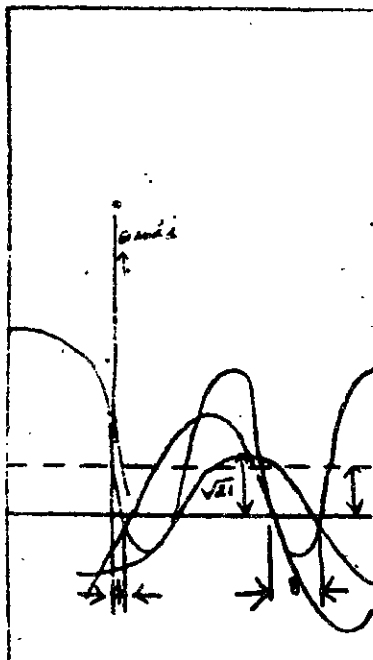
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## notices

### 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.

### Friday, Oct. 18

Black Rose Lectures will present a lecture by Michael Ziesing entitled "Anarchism and the Irish Struggle." The program will take place at 105 Mass Ave. (Building 9), room 150 at 8:00 PM. Admission is free and all are welcome to attend. Michael Ziesing is a philosopher, long time political activist, and coeditor of the Ly-sander Spooner Society's periodical, *Instead of a Magazine*. He also wrote the pamphlet *No Statist Solutions: Anarchism and "The Troubles" in Northern Ireland*.

### Saturday, Oct. 19

Famed economist Lester Thurow and other authorities will in international fields will be featured speakers at the **International Careers Forum**, scheduled for 8:30 am to 5 pm, at the Starr Auditorium of Kennedy School of Government, Harvard University. The event is sponsored by the United Nations Association of Greater Boston and the Office of Career Services, Harvard University, and will provide a rare occasion to interact with international professionals and to hear their viewson available opportunities. Careers in International Law, International Finance, International Health, Government, United Nations, Non-Profit and Journalism will be discussed. For registration, interested persons should call 482-4587 or contact their college career counselor.

### Monday, October 21

Elie Wiesel, chairman of the U.S. Holocaust Memorial Council and Andrew W. Mellon Professor in the Humanities at Boston University, will present the first in his three-lecture series "The Fascination with Jewish Legends" at 7 p.m. in the Ballroom of Boston University's George Sherman Union, 775 Commonwealth Ave., Boston. For more info, call Robin Littauer at 353-2224.

### Ongoing

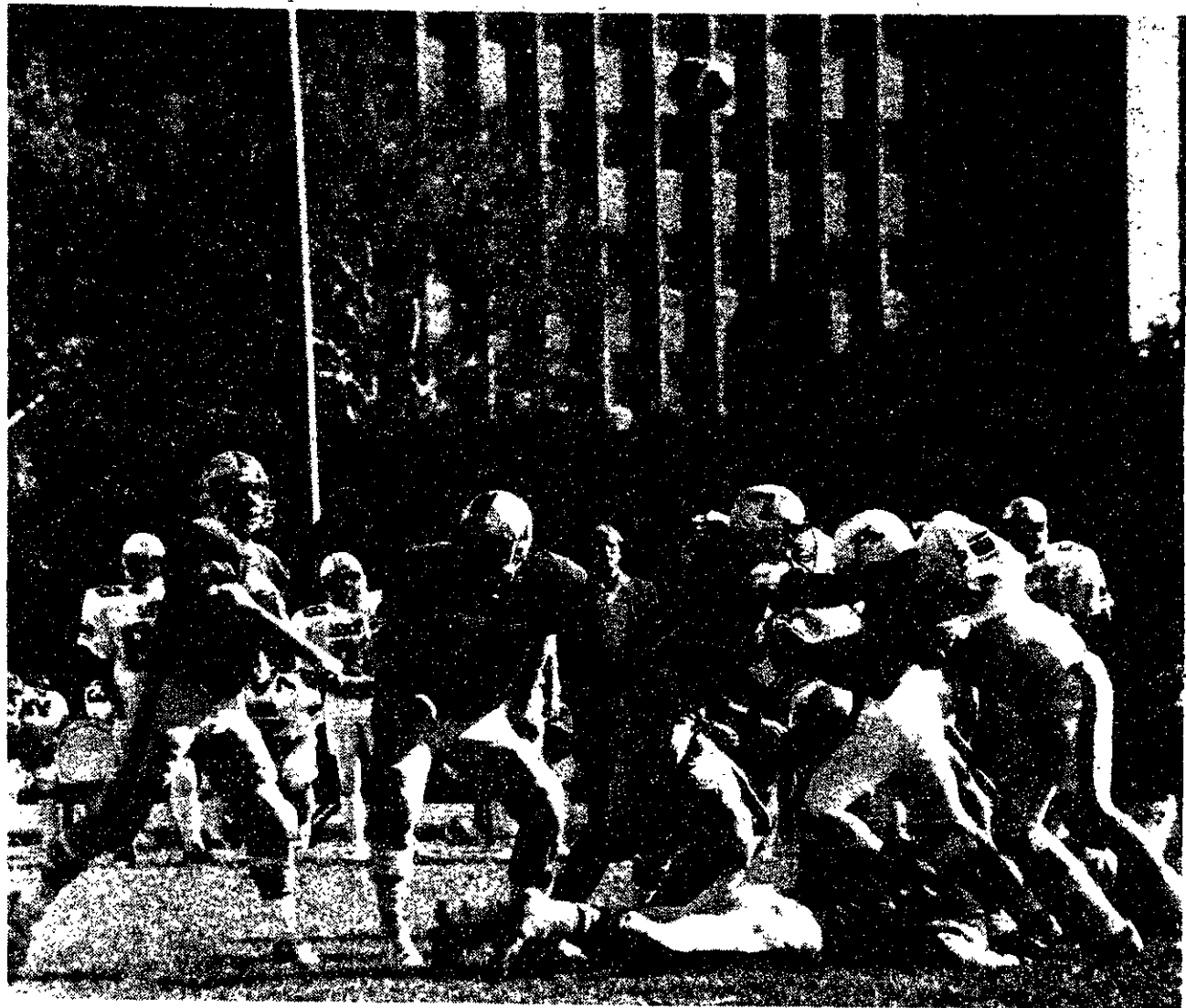
Reference librarians in each of M.I.T.'s fourteen libraries will be glad to explain how to find and use the materials in their libraries. Call to find out about scheduled or specially arranged tours.

THE CHINESE INTERCOLLEGIATE CHORAL SOCIETY meets Sundays 3-5PM in W20-491. Anyone who likes to sing and can speak any chinese dialect is welcome. Currently rehearsing chinese folk songs. Free voice lessons and music theory classes at 1 P.M. For further info., call Thanh Huynh at x5-9678.

The MIT basketball cheerleading squad is looking for a coach. Anyone with cheerleading experience should contact Paula Blizzard, basketball cheerleading captain, at 225-8522:

\* \* \* \* \*

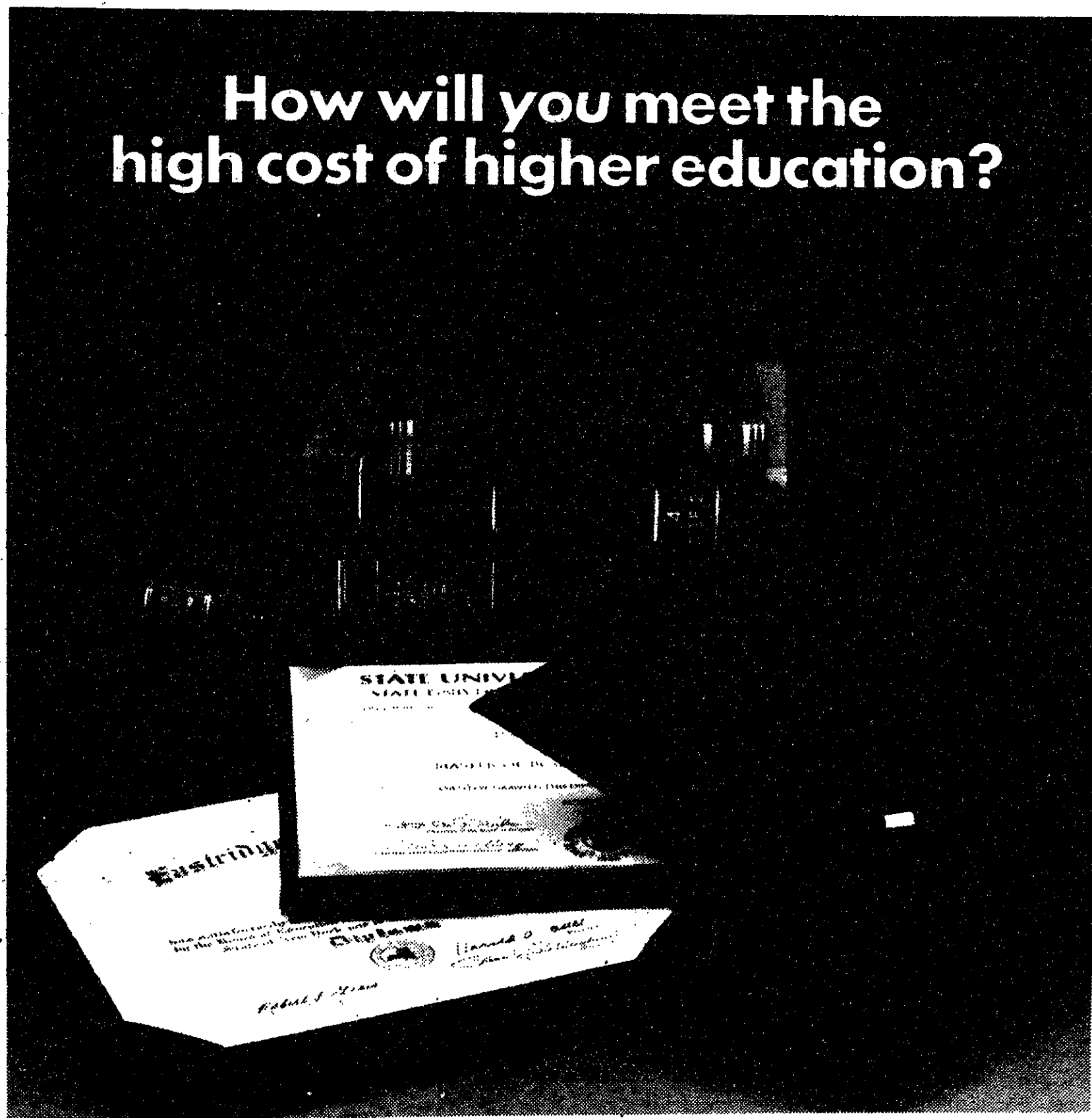
Boston University's Fatherhood Project now offers programs for both mothers and fathers alike in recognition of the stress and complexity of family life. Workshops being offered this fall are: "Becoming Parents: A Workshop for Couples with Babies," Wednesday, 6-8:30 p.m., October 2-November 20; "Co-parenting: Balancing Work and Family," Tuesday, 6-8:30 p.m., Oct. 1 - Nov. 19; "Single Parenting: Going it Alone," Tuesday, 6-8:30 p.m., Oct 8-Nov.26; "Step-Parenting: The Second Time Around," Wednesday, 6-8:30 p.m., Oct.9-Nov.27. All workshops will be held at Boston University's School of Education, 605 Commonwealth Ave., Boston. For reg. info., contact Dr. Ronald Levant at 353-4227.



MIT players defend their quarterback Saturday against Assumption College

Tech photo by Sidhu Banerjee

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# Feminists speak against pornography

(Continued from page 1)

men," MacKinnon explained.

Sexually explicit material need not be violent to qualify as pornography, MacKinnon said. Items portraying subjection of women can cause attitudinal changes in the consumers of these materials, she said; the type of pornography made only a slight difference in the consumer's reaction.

"No one thinks that pornography is the cause of sexual abuse," said Barbara Findlen, a founder of Women's Alliance Against Pornography (WAAP). "It is used in acts of sexual assault, and women in the pictures are abused — these are facts we know."

Findlen cited two instances in which pornography was used in actual assaults:

- A December 1984 issue of *Penthouse* featured a pictorial that contained photographs of Asian women bound and hung from trees. A month later, according to Findlen, North Carolina authorities discovered the body of a female Asian child hanging from a tree.

- A feature entitled "Dirty Pool" appeared in *Hustler* shortly before the New Bedford rape incident. A woman is attacked by a group of males on a pool table in the pictorial, according to Findlen.

Ramos reported that a woman is assaulted every 18 seconds and a rape is committed every four minutes. Sponsors of the referendum would not guarantee that these statistics will decrease if the measure becomes law, Findlen said.

"If nobody is helped, then we will start again," she said, adding that WAAP will call for repeal the referendum referendum's repeal if it does not accomplish the hoped for goals.

## Abuse of women in "sex industry"

Evelina Kane, coordinator of Women Against Pornography (WAP), focused upon the conditions of the women appearing in pornographic magazines. "Women are killed, beaten, sodomized and raped on screen," she said. These acts of violence are identical to real acts, she said, "except there is a permanent record in pornography."

"I am tired of hearing that it is just another job . . . models are bound, gagged and hung from trees," Kane claimed.

"Snuff" pornography, first produced in South America, is a genre of sexually explicit films in which the sexual climax of the material is the mutilation and/or murder of women. In 1983, Findlen said, two California teenagers were killed in murders recorded by pornographers.

Many women are held captive and used for the most demanding and degrading work, Kane said. This referendum will help women harmed for the production of pornography to get redress, she said. Others, who work in the production of pornography voluntarily, will not be affected, she added.

Ramos, reacting to accusations from members of the audience that the referendum could put many women who are involved in the production of pornography out of work, told the audience that "freedom comes at a cost." She compared the workers from the sex industry who opposed the legislation to slaves after Emancipation who worried, "what will we do for jobs?"

## Backers discount danger of abuse

Findlen denied that outside organizers or members of the right wing have played a major role in the initiative. "The initiative came from the citizens of Cambridge, not from outside," she said.

Opponents of the measure claim that the referendum could be used in ways unintended by

the feminists who support it. Ramos answered this accusation by claiming that all abuses which could be brought on by the Cambridge bill have a basis in existing obscenity laws.

The difference between Massachusetts' obscenity laws and the proposed legislation, Ramos said, is that "this [referendum] puts power in the hands of the people injured."

There are many different opinions concerning the difference between erotica and pornography, Findlen said. "It's a dangerous area to legislate," she added. The referendum applies to "graphic

and sexually explicit subordination," she emphasized.

Several exceptions to the First Amendment's guarantee of freedom of speech have been recognized, MacKinnon claimed. Legislation outlawing the expression of racism and anti-semitism are constitutional, she said. In addition, criminal laws against the production of child pornography have been upheld by the courts.

The harm done by pornographic material, MacKinnon continued, is "much more important than the speech value."

The American Civil Liberties Union, which supported the anti-

child pornography legislation in New York, is against passage of the referendum, Ramos claimed. "Too many liberals see injustices as [free] speech — denying our injuries, victimization and despair."

Pornography, Findlen said, is the "antithesis of equality. You can't be a feminist and be in favor of pornography." Kane gave a word of warning to opponents of the referendum: "Get on our side or get out of our way."

(Next week: feminists opposed to the referendum present case.)



Smoking in forests causes fires DON'T!!!

## Varsity Club/MITAA

### OPEN MEETING

October 21, 1985

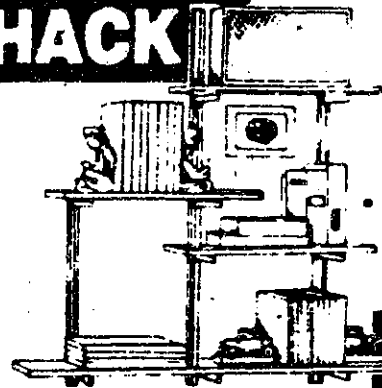
7:30 p.m.

Student Center Room 491

**Purpose:** To hear student input on all aspects of athletics at MIT to prepare for Visiting Committee.

(Come comment on facilities, equipment, etc.)

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## notices

### Announcements

#### ATTN SENIORS:

Those who wish to apply for graduate study in the Department of Electrical Engineering and Computer Science during 1986 are urged to apply by Nov. 1, 1985. Applications may be picked up in Rooms 38-444 and 3-103.

Undergraduates who are interested in communicating with high school students (and guidance counselors) what it's like to be an MIT student are encouraged to join **Project Contact**. For more information please contact the Educational Council Office, 4-240, 253-3354.

#### HTLV-III SCREENING

Counseling and blood screening services for individuals concerned about exposure to the virus associated with AIDS. For more information about this free confidential service sponsored by the Department of Public Health and Counseling Services, Inc., call (617) 522-4090. Weekdays 9 am to 5 pm. Outside Boston call collect. For more information call James Varnum at (617) 542-5188, Monday through Friday, 10 am to 4 pm.

The Cambridge Dispute Settlement Center has announced that it is making its service of mediating disputes available to roommates in the Cambridge area. Those interested in using CDSC's service to resolve a roommate dispute or any other dispute should contact the mediation center at 876-5376.

Anyone wishing to serve as a football statistician or Public Address Announcer at the MIT home football games this season may contract Ken Cerino, Sports Information Director, at 253-7946, or stop by W32-129.

#### FINANCIAL AID OFFICE NOTICE:

-The "Statement of Registration Status" is still required of all male students who are (by law) expected to register for the draft, if they desire to receive federal financial aid.

-Whether the "Statement" is also required of all *other* students as well, and whether it is required *every year*, have become an institutional option.

-MIT is opting *not* to require the "Statement" of women, or of students whose date of birth indicates they are not required to register for the draft.

-MIT is opting not to require annual submission of the "Statement" by male students who have once indicated that they have registered.

-Male students who have completed the "Statement" by indicating they are "underage" will be required by MIT (as a condition for receiving federal aid) to submit the "Statement" annually until they state that they are registered.

-Student aid delivery agencies other than MIT are free to exercise the new options differently. Students may therefore find that GSL lenders and state scholarship agencies require the "Statement" where MIT does not. And we suspect that applications for Pell Grant will still be consummated by the student's completing the "Statement" reproduced on the Pell "SAR."

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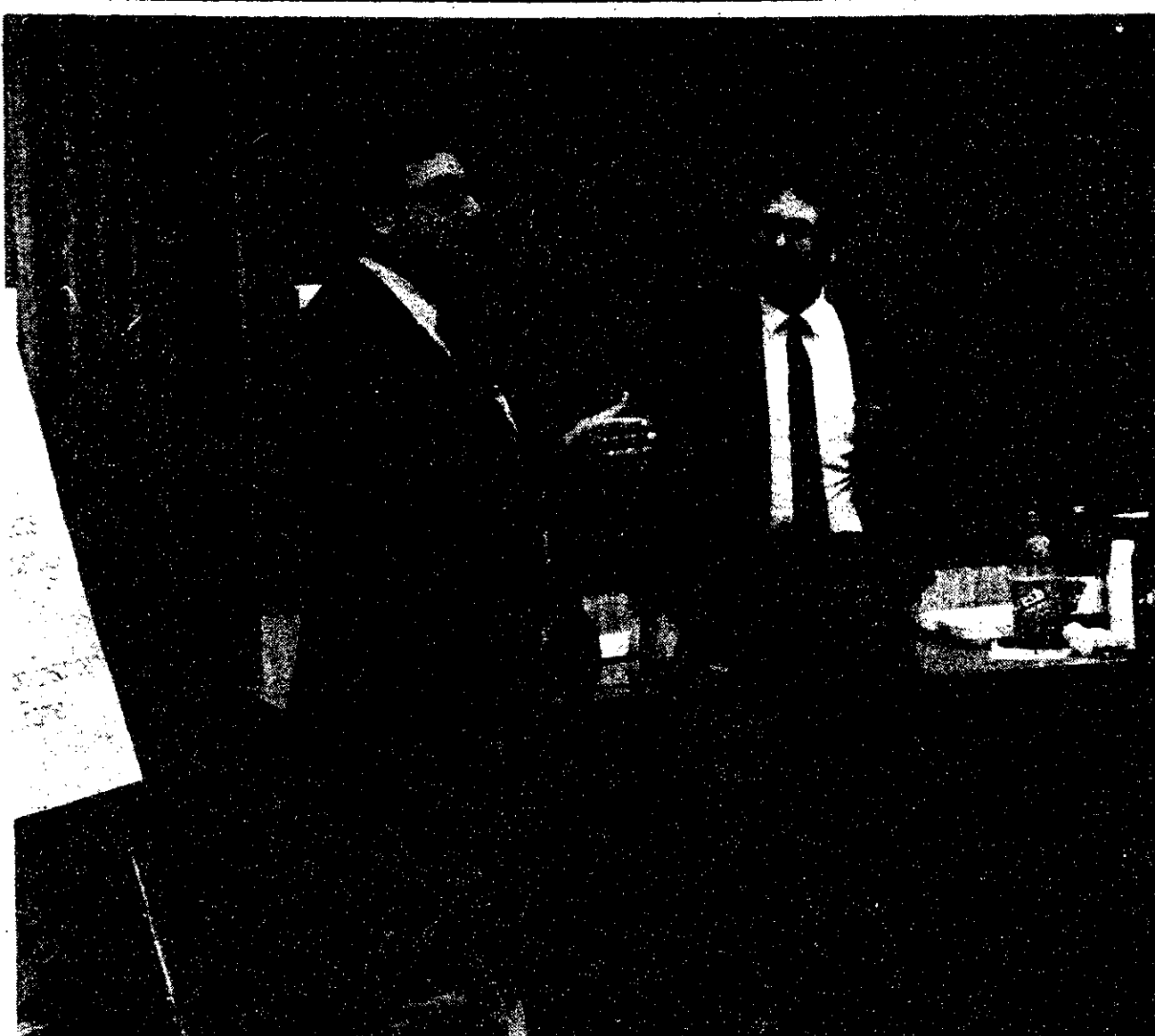
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Tech photo by John M. Krusac

Jeff Sloff watches as Charles Bruin explains to volunteer callers the need for student participation in the Alumni Telethon.

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There are 25,000 engineers already with us, but we always need new talent. New men and women who wouldn't be satisfied if they'd invented the wheel. They'd go on and invent the axle. We need some more Marconis.

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Tech photo by Eric I. Chang

After having lived for five years as a vagabond in 48 American states, Jacob Holdt produced a unique documentary of the American underclass. The documentary, a four-hour slide show, was presented at MIT on Oct. 10.

The pictures shown were ones of dire poverty. Holdt lived with black workers on Southern cotton and tobacco plantations. Their conditions, he said, were not much different than those of blacks during slavery.

Holdt also lived with poor southern whites and with criminals, drug addicts and prostitutes in the slum areas of most major American cities. Setting no barriers around himself, he also accepted invitations into the houses of the richest southern land owners, dined and partied with the Rockefellers, the Kennedys, the Amstel family, and others. (Cancel if necessary).

Holdt emphasized that, in sharp contrast with America, poverty is virtually nonexistent in socialist European countries. "Americans say that there will always be poor in America," he said. "But there is no reason why this has to be true. Poverty can be eliminated forever."

Holdt founded the American Pictures Foundation in Africa. The organization is currently building a school in Namibia.

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A lot of companies call themselves leaders in electronics technology. But Hazeltine's leadership is based on fact, not talk. Our R&D facility, Wheeler Lab, is world renowned. The FAA awarded us the contract for the Microwave Landing System—making us the undisputed leader in that field. Add all this to our ongoing breakthrough work in electronic systems and software development, signal and information processing, radio communications, VLSI and microelectronic design, and antenna research.

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Or, if you're unable to meet us, send your resume to Doreen Cassidy, indicating your specific area of interest. Details on the diverse career opportunities at Hazeltine are available in your school's placement office. HAZELTINE Corporation, 780 Park Avenue, Greenlawn, NY 11740. An Equal Opportunity Employer Committed to Affirmative Action. A Hazeltine Corporate Policy.



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Campus Interviews October 23, 24, 25, 1985  
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## UA NEWS AND WORLD REPORT

# DiehTrapa

Thursday  
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UAC

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This is a coupon for amazing things. The Undergraduate Association is now printing *The UA News and World Report* in *The Tech* every week! The purpose of the *UA News* is to keep everybody informed about parties, events, issues, special meetings, even the *UA News*. So the UA is making a standing offer to print any information of interest to MIT undergrads for FREE.

**FREE ADVERTISING**

Yes, you heard it right. But wait, don't order yet. Your announcement must arrive in the *UA News* folder in the UA office (Room 401, Student Center) on Saturday to appear in the Tuesday paper. We will normally publish on Tuesday. Your announcement must be typed and include a name and phone number. This offer is good all year long, with or without the coupon, but we reserve the right to edit as we see fit.

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| Senior House | New House | PKT          |
| Baker        | PKS       | Class of '86 |
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## comics

## The Legend of Fred

By Jim Brett



# sports

## X-country triumphs

By Robert Zak

The MIT men's cross country team beat 21 teams, including St. Joseph's, the University of Massachusetts at Boston and Southeastern Massachusetts University, in the Codfish Bowl Invitational Cross Country Championship.

The team scored a resounding victory, despite losing two of its top runners, Sean Kelley '89 to injury and Bill Mallet '86 to the Graduate Record Examinations. The Engineers defeated second place St. Joseph's by over 30 points. The junior varsity team also won.

Will Sauer G said after the race that the first mile felt pretty fast, but that the second mile felt even faster. Gordy Holterman '87 and Anton Briefer '88 led the team through the first mile in 5:15 and through two miles in 10:17. By the third mile, Holterman began a bid for the lead group and Sauer moved up with Briefer.

At the finish of the five-mile race, it was Rick Garcia (St. Joseph's) in first and Chuck Martin (UMass Boston) in second. Holterman outkicked the fourth-place finisher to take third place. He bettered his personal record by nearly a minute, with a time of 25:47. Sauer and Briefer finished 11th and 12th. Sauer's time of 26:16 was also a new personal best.

Turan Erdogan '87 ran a surprisingly good race, finishing fourth for the Engineers and 15th overall in another personal record time of 26:34. He was followed closely by Terry McNatt '87 and Rod Hinman '88, who took 17th and 19th. Sean Kelley, who has been running first for MIT in past races, was forced out of the race after three miles with a shin injury.

Even without Kelley, the Engineer's score of 58 points was good enough for a strong first place. For their efforts, team members received T-shirts and a share in the Codfish Bowl Winner's Cup. Holterman's third-place finish earned an individual trophy.

In the second race of the day, Ed Sweeney '87 led the JV team

to victory with a second-place finish. Other members of MIT's scoring squad were Andreas Judas '89, Brian Callaghan '87, Dave Schultz '86 and Kyle Robinson '89.

It showed "real character" for the team to run as well as they did despite the midrace loss of their first man, said Coach Halston Taylor. Although a few of the teams did not send their full squads (Brandeis University, for example, ran their top 7 in the Greater Boston Championships the day before), the fact that the Division III National Qualifier race will have much the same competition cannot help but boost MIT's confidence.

Next week, the Engineers travel to Williamstown, MA, to defend their unbeaten record against Williams and Tufts in their last regular season meet. Following this race are the New England Championships, the National Qualifiers and, barring disaster, the National Division III Championships in Atlanta.

(Editor's note: Robert Zak is the manager of the men's cross country team.)



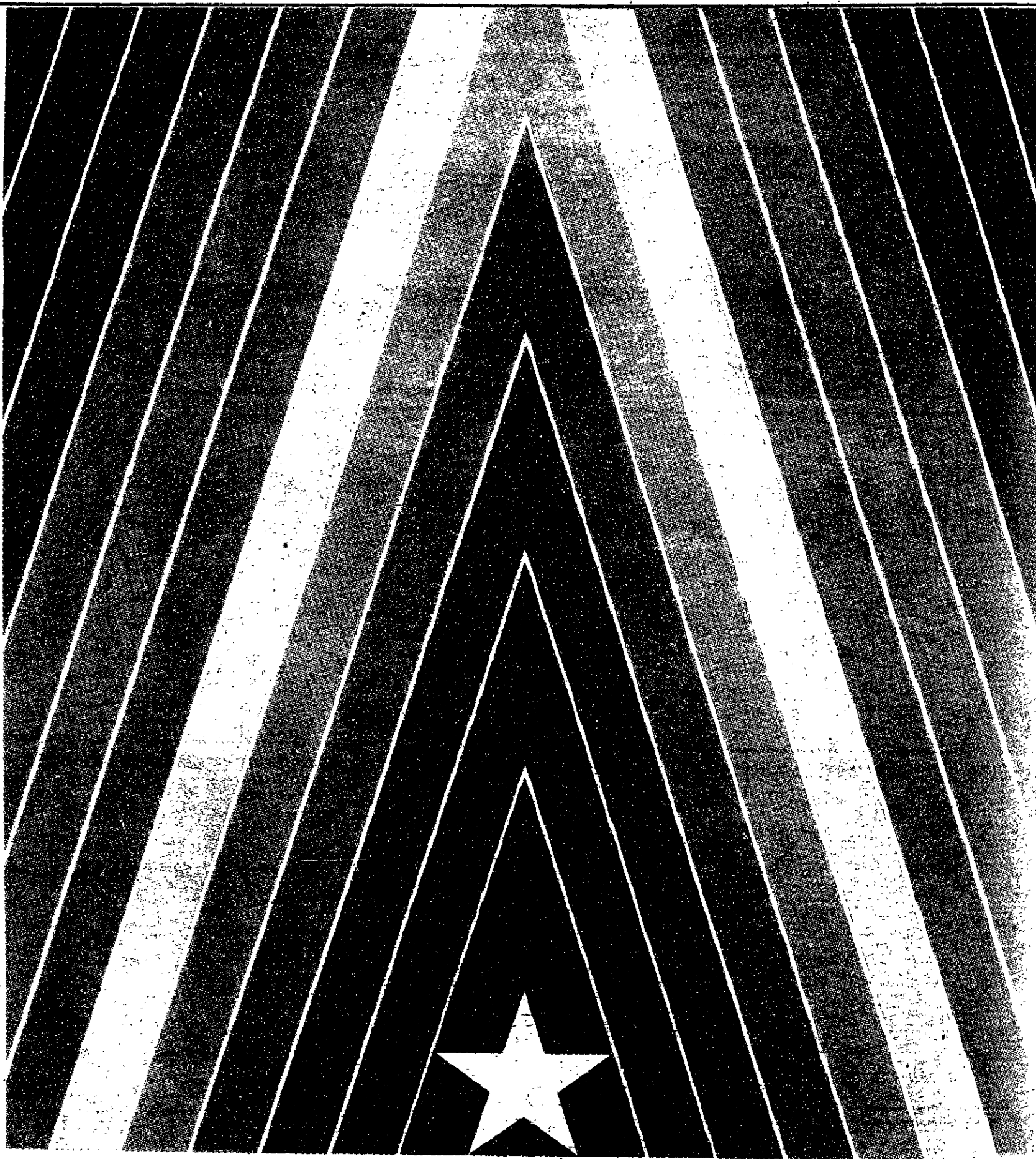
Tech photo by Sidhu Banerjee

Hugh Ekberg '88 carries the ball in a move against Assumption College Saturday. MIT, after leading in the first half of the game, eventually lost 26-25.

### Go football!



### Beat SMU



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