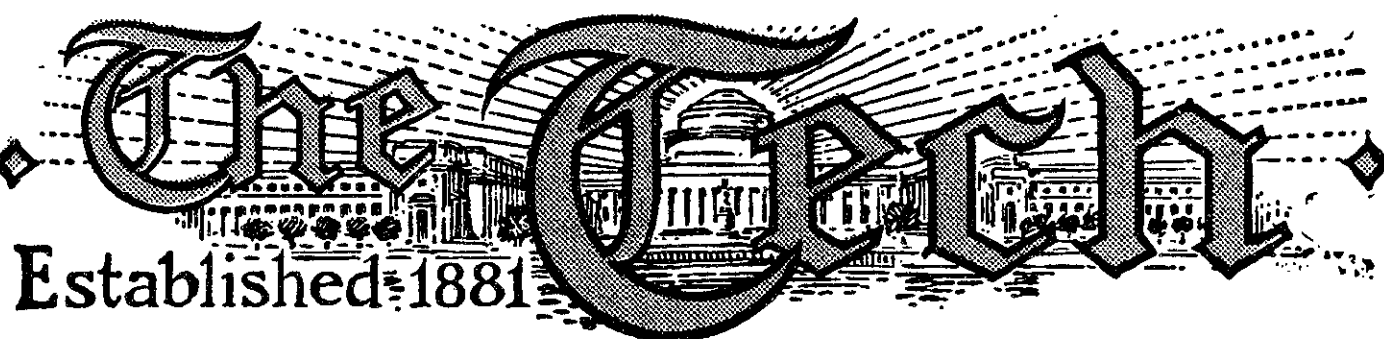


COMMENCEMENT TODAY

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Vol. CX No. 28

CAMBRIDGE, MASS., MONDAY, JUNE 4, 1990

Free

FACULTY CONDEMNS ROTC POLICY ON HOMOSEXUALS

Committee Formed to Examine Role of ROTC on MIT Campus

MAY RECOMMEND SEVERING TIES

(By Dave Watt)

The MIT faculty voted overwhelmingly at their May 16 meeting to condemn the Reserve Officers' Training Corps policy of discriminating against homosexuals.

The faculty will form a committee which may set a deadline for ending MIT's relationship with the ROTC program. The committee's proposals will be voted on at the October faculty meeting.

The faculty vote follows a letter sent in April by Provost John M. Deutch '61 to Secretary of Defense Dick Cheney which strongly protested the ROTC policy. The letter, which Deutch said has provoked widespread and sometimes hostile comment, called for an end to discrimination based on sexual orientation in the military, arguing that continued discrimination would give critics of the military a weapon for driving a wedge between the defense establishment and universities.

Deutch commented at the meeting that he was surprised by the level of opposition he has encountered to his call to end discrimination by ROTC. He said that he has talked with former secretaries of defense and congressmen about the issue, and warned that, "If the secretary of defense were to change the policy, there is a real chance that the Congress would vote the prohibition [on gays in the military] into law."

PENN AND FRANCIS ARE CLEARED BY COD

Pair were Accused of
Assaulting Officers
during March 2 Protest

(By Linda D'Angelo
and Dave Watt)

The Committee on Discipline has found Ronald W. Francis G and Steven D. Penn G "innocent on all counts" of assault and assault and battery on a police officer after 11 hours of hearings last Tuesday and Wednesday, Penn said after a telephone conversation with Assistant Dean for Student Affairs. (Continued on page 20)

1712 TO GRADUATE AT COMMENCEMENT

(By Niraj S. Desai)

A total of 1712 seniors and graduate students will receive some 1900 degrees today at MIT's 124th Commencement.

Colombian President Virgilio Barco '43 will deliver the commencement address to the graduates and their relatives and guests at the exercises in Killian Court.

Barco, who will step down in August after four years as president, has gained international attention for his declared war against drug traffickers in Colombia, and his staunch refusal to negotiate with drug kingpins.

In October 1989, the MIT Corporation adopted a resolution saluting Barco "for his courageous leadership of Colombia during a time of formidable challenge." Drug trafficking. (Continued on page 24)



The graduating class of Theodore M. Edison '23 — son of Thomas A. Edison — was the first to wear caps and gowns. (Wide World Photo courtesy Francis E. Wylie, MIT in Perspective)

COD RULES ON SENIORS IN 1.00

Committee Chair Says to Expect "Familiar Faces" at Graduation

68 CASES YET TO BE RESOLVED

(By Irene C. Kuo)

The Committee on Discipline concluded the cases of seniors accused of turning in duplicate code on problem sets in Introduction to Computers and Engineering Problem Solving (1.00) last Wednesday, according to course professor Nigel H. Wilson SM '70.

EECS WEIGHS CHANGE TO 5-YEAR PROGRAM

Undergraduates Would
Receive SM Under Plan

(By Reuven M. Lerner)

A committee of faculty members in the Department of Electrical Engineering and Computer Science is considering a plan that would effectively replace the four-year bachelor's program with a five-year master's degree.

The EECS Committee on the First Professional Degree (CFPD) has been meeting since early this year to determine which changes, if any, are necessary in the undergraduate Course VI curriculum. Their initial proposal, which EECS Professor and committee member Leonard A. Gould '48 described as "more administrative than academic," would let "the vast majority" of EECS undergraduates receive a master's degree after a fifth year of study.

Gould said that the changes are unlikely to take effect for. (Continued on page 21)

Committee chair Sheila A. Widnall '60 refused to discuss the outcomes of the 10 cases, except to note that there would be a lot of "familiar faces" at Commencement and that the affairs of 68 other students in 1.00 remain to be examined in September.

As the COD will eventually present to the faculty what it has learned about unauthorized access to programs, committee members have welcomed the chance to examine the 78 cases, Widnall said. She did not foresee policy changes resulting from the COD's review.

The discovery in late April of duplicate code in 1.00, a class with an enrollment of 240, (Continued on page 22)

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Campus Police issue annual
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Technique '90 offers absorbing
glimpse of MIT life. Page 15.

Geeky charm of They Might Be
Giants hard to resist. Page 17.

NO DECISION ON NEW PRESIDENT

Search Committees May Choose Nominee by End of this Month

FEWER THAN TEN ON SHORT LIST

(By Reuven M. Lerner)

The MIT Corporation will not announce a successor to President Paul E. Gray '54 today, according to spokesman Walter A. Milne.

Milne said that the faculty and Corporation presidential search committees, which have effectively functioned as a single group, have narrowed their search down to fewer than 10 candidates. He added that there is a possibility that the committees will finish the search process by the end of the month.

If the committees were to recommend someone before the Corporation's next quarterly meeting in September,

the trustees would have to hold a special meeting to vote on the new president, Milne said. He added that there would simply have to be "due notice" to Corporation members in advance of the meeting.

One source in the administration said that the committees might have already found a possible candidate from outside of the Institute, who would be unavailable until January.

(Continued on page 21)



Speakers discuss the Chinese pro-democracy movement on the anniversary of the Tiananmen Square massacre. (Tech photo by Michael Franklin '88).

Noble lawsuit will go before a jury

Tenure documents to become public

By Annabelle Boyd

After more than four years of court deliberation, former Associate Professor David F. Noble's tenure suit against MIT is going to trial before a jury. This marks the end of the confidentiality restriction imposed on the court proceedings in 1986 at MIT's request.

In a telephone interview last week, Maggie Hassan, MIT's lawyer from the Boston-based firm of Palmer and Dodge, claimed that the confidential nature of the tenure review process led to MIT's decision to fight for a confidential status on the court proceedings. "MIT has consistently filed briefs calling for confidentiality and closed hearings," she said.

"MIT has wanted privacy from the beginning [of Noble's suit]," she added. She declined to comment on MIT's response to the public trial.

Noble, in a letter to the chairman of the MIT Corporation, David S. Saxon '41, explained that he undertook the tenure suit because "the strict confidentiality of MIT's tenure proceedings and the lack of any meaningful institutional appeals procedure, [compelled him] to file suit in order to make the record public and thereby restore his rightful reputation."

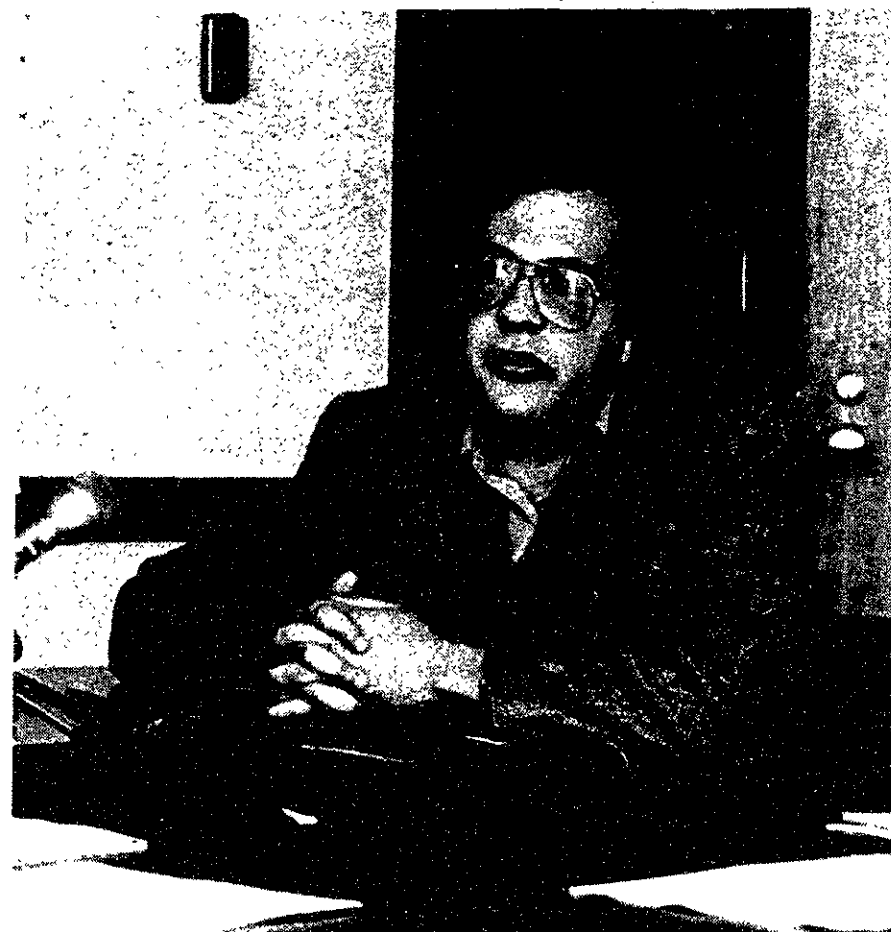
Noble, now a full professor at Drexel University, filed a lawsuit in September 1986 asking for \$1.5 million and/or reinstatement as a faculty member in the Program in Science, Technology, and Society. Noble charged that the Institute violated his First Amendment rights by denying him tenure in the STS program on political, not academic, grounds. Some of Noble's scholarly work and public statements had criticized MIT as an institution and its ties to industry.

Noble spent two years in the courts earning the right to see the documentation from his tenure review committee. He spent another two years trying to make that documentation public.

The American Association of University Professors guidelines define the right of a professor under tenure review to look at the documentation of his case as "essential." Noble's case is being partially financed by the National Coalition of University Professors, and is being used as an example of the drawbacks of confidentiality in the University of Pennsylvania tenure suit that went before the Supreme Court two months ago. The latter suit is still in litigation.

In its official policy guidelines, MIT claims that confidentiality in tenure reviews is an important guarantee of quality and, ultimately, is in the best interest of

(Please turn to page 23)



Tech file photo

Former Associate Professor David F. Noble

Property thefts went up in 1989

By Niraj S. Desai

Thefts of personal property on campus increased substantially in 1989, according to the just-released annual report of the MIT Campus Police Department. A total of 346 such thefts were reported last year, compared to 229 in 1988. The dollar value of stolen items rose from \$38,007 to \$71,132 — an 87.2 percent increase.

At the same time, the number of thefts of Institute-owned property rose only slightly, with the value of the stolen merchandise dropping sharply. Last year, 143 incidents of theft resulted in dollar losses of \$169,274. In 1988, 135 thefts totaled \$354,587 in losses. Computers and computer components were the MIT-owned items most frequently stolen in

both years.

Most of the personal property thefts occurred in non-residence Institute buildings. The number of thefts reported was 277 with a total value of \$52,105. Wallets and pocketbooks were the most commonly stolen types of property.

Personal property thefts from residence halls totaled 69 with a value of \$19,027. Burton House and MacGregor Hall, each of which reported eight incidents, experienced the most thefts. The residence hall thefts mostly involved the taking of wallets, cash, and audio equipment.

Forty-one motor vehicles were stolen from the MIT campus in 1989, compared to 30 last year.

The number of bicycle thefts

(Please turn to page 23)

NSF head foresees university problems

By Niraj S. Desai

American research universities will face serious problems involving funding and enrollments in the future, according to Erich Bloch, director of the National Science Foundation, who spoke last Tuesday in room 9-150. But despite potential future problems, he believes that this is in some ways "the golden age" of research.

Bloch noted that the dollar value of federal support for research and development has been rising steadily and called the US research enterprise "still the most creative and powerful in the world." The discoveries being made today are fundamental and far-reaching, Bloch said, and universities have been at the center of the discovery process.

Despite these signs of success, Bloch saw a mood of uncertainty and pessimism in academia. As a percentage of gross national product, US spending on R&D has remained relatively constant at about 2.8 percent since 1975. During the same period, other countries, notably Japan and West Germany, have increased their shares, and the per-unit cost of research and development has risen substantially.

The composition of R&D spending has also caused concern in universities, Bloch noted. Over the last decade, the military took a heavier share of the country's

total research budget, a trend only recently reversed. And the physical sciences and engineering have experienced less growth than other disciplines, including the life sciences.

Moreover, a small number of very expensive projects are seen as draining money and personnel away from the rest of the research enterprise, Bloch said. Among such "big science" projects are the \$1.5 billion Hubble Space Telescope and the proposed Superconducting Super Collider, which is expected to cost \$8 billion.

Given the size of the federal

(Please turn to page 22)



photo courtesy MIT News Office
Eric Bloch, NSF Director



Two versions of the "Batmon" cartoon's first panel. The upper one is from *Nonsense* May 1989, the lower from *Voo Doo*'s winter 1990 issue.

Contest entry called plagiarism

By Dave Watt

Mikung Kwah '91 has been accused of plagiarizing a comic she submitted to a contest run by MIT's humor magazine, *Voo Doo*. Associate Dean for Student Affairs James R. Tewhey is looking into the matter, which may be forwarded to the Committee on Discipline for further action.

Kwah won \$25 for her submission of the comic "Batmon: The Killing Toke," which was published in the Winter 1990 edition of *Voo Doo*. A substantially identical cartoon, also called "Batmon: The Killing Toke," was published in the Hofstra University humor magazine *Nonsense* in May and September 1989. The authors of the Hofstra comic were listed as Rick Engdahl and Pat S. P. Fitzgerald, members of the *Nonsense* staff.

David Streich, a student at Hofstra in Hempstead, NY, and the editor of *Nonsense*, noticed the similarity between the two comics and contacted Tewhey's office.

Only then did he contact any

members of the staff of *Voo Doo*, according to Lawrence J. Appleman '76, a veteran *Voo Doo* staff member. "I would have handled it differently," Appleman explained, saying that Tewhey and *The Tech* could have been notified after contacting *Voo Doo*.

Streich threatened *Voo Doo* with legal action initially, but decided after consultation with Hofstra Dean of Students Maureen Murphy not to file a lawsuit for copyright infringement. Instead, Murphy sent a letter to Tewhey requesting that *Voo Doo* run an apology, and that Kwah be taken to the Committee on Discipline.

Tewhey would not confirm that Kwah would be taken before the COD, but he did say in a recent phone conversation, "Most plagiarism cases are handled through the COD."

To produce their winter 1990 issue, *Voo Doo* held a contest, offering cash prizes for jokes, prose, and art. Kwah won her \$25 prize for submitting the Batman satire, which took the sec-

ond prize for art.

The Association for Student Activities, which funds production of *Voo Doo*, has not taken any action on the charges, since some of the ASA officers have gone home for the summer.

Voo Doo, which has no formal editors this term, is waiting for a lead from Tewhey before they decide how they will respond. On seeing Murphy's letter, Appleman said that there was nothing in the conditions, outlined that he objected to, but that he could not speak for *Voo Doo* as a whole. Murphy's letter calls for *Voo Doo* to print a disclaimer in the next issue saying that the magazine believed the submitted work to be original.

Explaining their reluctance to talk to *The Tech*, Larry Johnson, another *Voo Doo* staff member, said, "The main thing we were worried about was the lawsuit. It's a matter of publicizing something that's going to be a discipline committee action."

Kwah did not return repeated phone calls.

news roundup

from the associated press wire

World

Summit ends without accords on Lithuania, Germany

President George Bush and Soviet President Mikhail S. Gorbachev concluded their summit in Washington yesterday with a joint news conference. They said they remain at odds over Moscow's response to Lithuania's declaration of independence and NATO membership for a unified Germany.

Bush said Gorbachev did not give any reassurances that he would end the economic sanctions against Lithuania. Gorbachev responded that the rights of Soviet republics are being expanded, and that any change must take place within the framework of the Soviet constitution.

Gorbachev flew west for a brief visit to Minneapolis, MN, where he was greeted by cheering crowds. He then flew on to San Francisco, where he arrived yesterday evening.

Palestinian anger at the US growing

A Palestinian leader sympathetic to the Palestine Liberation Organization said US interests in the Middle East may be attacked as anti-American sentiment intensifies in the West Bank and Gaza Strip. The leader, Sari Nusseibeh, said that those who have urged restraint are becoming increasingly isolated. He added that Palestinian anger has been particularly kindled by last week's US veto of a United Nations Security Council resolution calling for an observer team in the region.

The veto was attributed to PLO chief Yasser Arafat's refusal to condemn an attempted guerrilla raid on an Israeli beach last week. However, a Kuwaiti newspaper quoted a Palestinian chief as saying Arafat had no advance knowledge of the attack. Mohammed Abbas, who has claimed responsibility for the raid, has pledged to continue attacking the Jewish state.

Fighting in El Salvador intensifies

There was intensified fighting over the weekend in El Salvador. Residents reported that leftist rebels attacked army positions just west of the capital city of San Salvador. A guerrilla leader said on the rebel radio service that the insurgents are trying to pressure the government of Alfredo Cristiani into negotiating an end to the country's 10-year-old civil war.

Rebels advance on Liberian capital

Rebel troops are closing in on Liberia's capital, and they do not seem to be meeting resistance from the forces of President Samuel K. Doe. There was no fighting reported Saturday. One diplomat said it may mean that the two sides are working out a deal. Or, the official said, Doe's troops may be deserting. The only significant military presence was Doe's 2000-troop elite guard.

Six US Navy ships carrying 2300 Marines are on the way to the west African country to prepare for the possible evacuation of American citizens. Western diplomats said the convoy is expected to reach the Liberian coast tomorrow.

IRA says it killed two soldiers

The Irish Republican Army claimed responsibility on Saturday for the shooting deaths of two British soldiers, one in England, the other in West Germany. The shootings occurred less than a week after the IRA mistakenly killed two tourists in the Netherlands.

East German communists protest plan on party assets

There was irony in Saturday's protest in East Berlin — tens of thousands of supporters of communism were demonstrating against the East German government. They do not like the democratically-elected government's plan to seize control of old Communist Party wealth. The government wants an independent commission to decide what to do with the vast holdings.

Nation

Researcher reports progress against muscular dystrophy

A muscular dystrophy researcher says a new procedure can help fix a protein defect that causes the most common childhood form of the disease. Peter Law of the University of Tennessee at Memphis said his preliminary study involves injecting healthy muscle cells into young victims of Duchenne, MD. However, Law said, he cannot yet tell how much improvement the treatment makes, or how long the benefits last. Law spoke Saturday to a Muscular Dystrophy Association meeting in Tuscon, AZ.

Actor Rex Harrison dies

His colleagues say the death of Rex Harrison is a great loss to the theater — and marks the passing of a unique style. Harrison died of cancer Saturday at his home in New York. In the course of his 50-year career, Harrison won both a Tony and an Oscar for his portrayal of Professor Henry Higgins in the stage and screen versions of *My Fair Lady*.

Local

Barbara Bush delivers Wellesley address

Barbara Bush on Friday addressed the graduating class of Wellesley College, confronting criticism of her selection as Wellesley's commencement speaker. More than a quarter of the class of 575 had signed a petition objecting to Bush's selection because she had gain recognition only because of her status as the president's wife and not because of her own accomplishments. Bush told the seniors that husbands and children are ultimately more important than careers.

"As important as your obligations as a doctor, a lawyer, or a business leader may be, your human connections with spouses, with children, with friends, are the most important investment you will ever make," Bush said.

Soviet First Lady Raisa M. Gorbachev also spoke at Wellesley's graduation ceremonies, making it the most widely-watched commencement this year. She echoed many of her husband's ideas about peace, friendship and perestroika.

Harvard president to retire

Derek C. Bok, president of Harvard University, last week announced that he will retire next June, ending a 20-year tenure at the head of the nation's oldest university. Bok, 60, said he had been contemplating stepping down for several years, and decided to do so before Harvard begins a \$2 billion fund-raising drive. Bok was not sure what he would do after leaving the post.

Bok was described by many of his colleagues as one who favored conciliation over confrontation, guiding Harvard from the Vietnam War era into the 1990's with a calm, careful manner. During Bok's tenure, Harvard's endowment increased fivefold to an estimated \$5 billion, the highest of any university, and the John F. Kennedy School of Government was founded.

Recently, Bok's administration has come under criticism by students and some faculty at the Harvard Law School. They claim that not enough has been done to recruit minority faculty members. Bok was dean of the law school before becoming president.

The first president since the 17th century who did not graduate from Harvard College, Bok was an alumnus of Stanford University and Harvard Law School.

Court stays execution despite killer's wishes

The killer wants to die, but federal appeals judges won't let him — not yet, anyway. A three-judge panel ordered a stay of Thomas Baal's scheduled execution Saturday for knifing a bus driver during a robbery in Las Vegas. His parents had asked for a stay, saying their son was brain-damaged and could not be rational about requesting an appeal.

Campaign

Democratic convention endorses Bellotti; Silber on ballot

Delegates to the Democratic State Convention in Springfield Saturday endorsed former state Attorney General Francis X. Bellotti for governor.

Bellotti got 51.42 percent of the vote from the 4800 delegates on the second ballot. Lt. Gov. Evelyn Murphy finished second with about 40 percent. Bellotti got about 42 percent of the vote on the first ballot, during which the delegates gave Boston University President John R. Silber 15.46 percent of the vote, enough to assure him a spot on the primary ballot this fall. After the first ballot, Silber withdrew from further voting in the convention.

State Rep. John Flood of Canton got 4.5 percent of the vote on the first ballot and 8.5 percent on the second — falling short of the required 15 percent minimum to get his name on the ballot.

Science

Fuel leak delays shuttle launch

NASA said yesterday that it will have to chill the space shuttle *Columbia* before it can nail the source of a fuel leak down cold. A spokesman said the space agency plans to pump in liquid hydrogen fuel so it can see where the leak came from. It is to happen on Wednesday — a week after the shuttle was supposed to lift off on an astronomical mission.

Weather

Showers possible during Commencement

The passage of a couple of cold fronts will trigger a few showers and thundershowers in the area early today and again later this morning and afternoon. After the front moves on, cooler and drier weather will arrive.

Monday morning: Showers ending early, then partly to mostly cloudy and warm. Temperatures in the middle 70's (22-25°C). Clouding up towards noon with heavier showers and thundershowers likely.

Monday evening: Clearing, breezy and drier. Low 59-64°F (15-18°C).

Tuesday: Mostly sunny, breezy and cooler. High around 70°F (21°C). Low 55-60°F (13-16°C).

Wednesday: Partly sunny and mild. High 70-75°F (21-24°C). Low 60°F (16°C).

Forecast by Michael C. Morgan

Compiled by Niraj S. Desai and Dave Watt

The Tech would like to congratulate its staff members who are graduating today:

Joan Abbott	Niraj S. Desai
Annabelle Boyd	Irene C. Kuo
Ken Church	Lisette W. M. Lambregts
Robert J. Conzemius	Neil J. Ross
Linda D'Angelo	Genevieve C. Sparagna
Jigna Desai	Elizabeth Williams

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opinion



The Tech

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LETTERS TO THE EDITOR

Disinvestment would hurt South African blacks

I am writing in response to the numerous letters, articles and protests in favor of MIT divestment from South Africa. I wish to present the opposite side of the argument of which the Coalition Against Apartheid is either uninformed or selectively chooses to ignore.

The CAA is calling for MIT to withdraw holdings in companies which do business in South Africa. This would presumably put pressure on these companies to disinvest which would, in turn, put pressure on the South African government to make concessions on its apartheid policies. In theory, this would appear to be the answer. However, while divestment does admittedly make a symbolic and moral statement, on further examination, the argument for its implementation, I believe, falls apart.

Assume, for argument's sake, that MIT divestment did not result in a transfer of ownership but instead was an impetus for the disinvestment of the affected companies. Ignoring, for the moment, the effects on the US and world economy, what would happen in South Africa? Unfortunately, the black population would be the hardest hit. They would lose employment that offers them integrated facilities, equal pay for equal work, extensive training programs, housing assistance and education. Unlike their South African counterparts, American corporations address the single most important need for all South African blacks — a quality education.

Not only do American corporations provide training for their employees, but many support community-wide educational programs that benefit the entire black community. Pace Commercial College was one of the first tangible signs of commitment. It was planned and built by the American Chamber of Commerce six years ago and has since provided blacks with an education comparable to that received by the whites. Pace is a private school where 90 percent of the students rely on support of American companies who pay part or all of their tuition.

The headmaster, Rex Pennington, concedes "we realize that our effort here is but a small start, but every drop of water makes up the ocean, too." It is with such an education that the black people will be equipped to compete for jobs against their

white coworkers. And in fact, in American companies, this is just what they are beginning to do. While an unthinkable practice in most South African companies, an increasing number of black employees of American corporations are being promoted to posts in which they supervise white workers.

The value of employment by American companies to the black population is apparent. Although US corporations employ only one percent of the black population, their commitment to equal opportunity provides a positive stimulus for the other 99 percent to move at a faster rate on the road to reform. Although there can be no easy solutions, the American presence in South Africa can only help the blacks in their struggle for equality.

The CAA has contended that: "Black South Africans feel the best way to end apartheid is through international economic sanctions and multi-national corporate withdrawal. Though these actions may hurt South Africans in the short term they feel economic pressure is the only way to bring lasting change to their troubled land" ["Gray's message on divestment clashes with Mandela's," April 10]. They charge President Paul E. Gray '54 with falsely claiming to know what is best for black South Africans. I have some doubts that the CAA really knows what is best for them.

In fact, polls have indicated that 70 percent or more of South African blacks oppose disinvestment. Although Nelson Mandela of the African National Congress supports disinvestment, many of the other prominent black leaders are strongly opposed to it. Numbered among these is the Zulu Chief Gatsha Buthelezi, who is also leader of the Inkatha, a one-million member black pro-liberation political organization.

Is short term suffering worth the cost? I am not so sure that the risks can be justified. Total corporate disinvestment could be viewed antagonistically by the South African government and result in the opposite of the desired long term effects. Even if it had beneficial effects several years down the line, can the blacks afford to sacrifice until then? Sam Tsagae, a 30-year-old black sales representative for American Cyanamid Co. in Edenvalle, South Africa, claims:

"Supporters of disinvestment argue that blacks who stand to lose their jobs must be prepared to suffer in the short term for the long term benefit. That theory is easy for Americans living 8000 miles away to use because they're not directly affected. While it may sound reasonable in theory, it's not practical."

I lived in Johannesburg for almost three years and witnessed the tremendous suffering of the black people. They cannot bear to suffer any more than they already are.

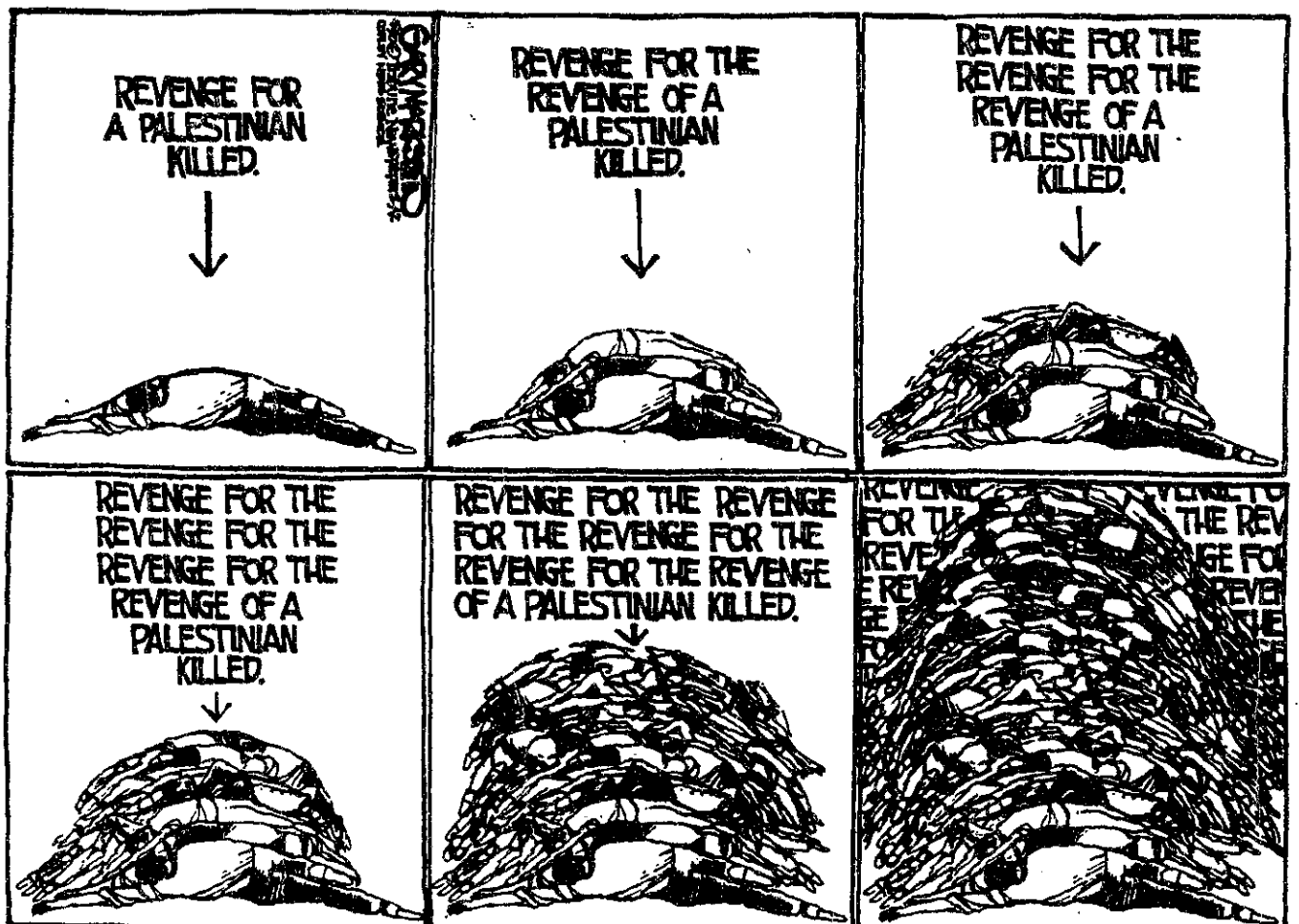
I have been upset by the amount of misinformation that has been presented in *The Tech*. A light-hearted scenario by columnist Bill Jackson '93 of Gray as a young South African black man ["No more twinkies: Gray in black South Africa," May 11] was presented, which was not only in poor taste but contained many blatantly false accounts. The "Immorality Act", of which the column speaks, prohibiting interracial intercourse and marriage, was abolished over five years ago. The pass laws, restricting travel of black South Africans within the country, were revoked four years ago. Obviously, Jackson has not been doing his research.

I was also distressed to hear that in last month's Undergraduate Association referendum on the issue, a margin of less than 10 percent in favor of divestment justified the statement that "the voting body of the UA" supports divestment. This is certainly, at best, a misinterpretation of the results.

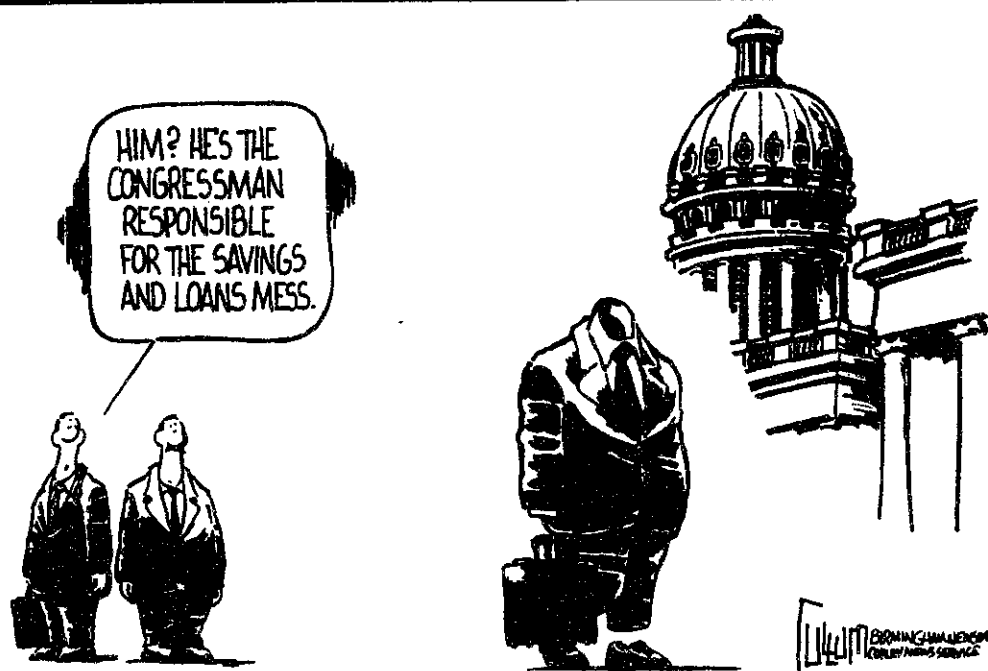
I have also been disappointed by the extensive disrespect shown for Gray and others by many divestment supporters. Not only are they reluctant to listen to opposing views, but they try to make their points through channels which are often offensive to those around them. I am asking them to please treat me and others with similar views with the respect that we deserve.

I find myself frustrated and discouraged because I am restricted from joining the CAA because I do not support divestment. The implication that supporting divestment is synonymous with protesting apartheid is a fallacy. It is unquestionably possible to oppose both, and I most certainly do not stand alone in my position.

Sharlene Day '91



opinion



LETTERS TO THE EDITOR

ROTC and protesters both deserve tolerance

I read with both amusement and dismay your edition of April 10.

My dismay arose from 32 arrests at peaceful rallies sponsored by the Coalition Against Apartheid. Why anyone would be arrested at a peaceful demonstration is beyond me, because the university's role is to foster an open mind and tolerance. Although I was persuaded by President Paul E. Gray '54's rebuttal on the issue, I believe that a little perestroika is needed in Cambridge. Apparently, the editors of *The Tech* share this position ["MIT wrong to crack down," April 10].

I was a staff reporter and news editor of *The Tech* between 1968 and 1973, a turbulent time which seems to have achieved near-mythical proportions. Then, although there was a war on and tensions were running unusually high, the administration somehow managed to show a reasonable degree of tolerance and did not resort to arrests during

nonviolent demonstrations, even when the offices of the president and the chairman were occupied for many days. Why arrests of peaceful demonstrators are necessary now is beyond me.

My amusement arose from another editorial published that same date ["MIT should eject ROTC from campus"]. On the one hand, *The Tech* called for greater tolerance of demonstrators protesting apartheid and other fashionable causes. On the other hand, it editorialized in favor of immediately evicting ROTC from campus. Free expression of ideas by all parties, whether popular or not, is the essence of any university worthy of the name. ROTC has as much right to be on campus and ex-

press its views as do the anti-apartheid demonstrators. ROTC deserves similar tolerance from you and other dissenting students.

My former roommate during the early 1970s was enrolled in Naval ROTC and commissioned upon graduation. He was a tolerant, liberal, and educated person who chose to become a career naval officer rather than attend medical school. He hasn't changed despite 18 years in the Navy; he is far from being a "fascist" and still opens his mind to the opinions of others. I trust that *The Tech* likewise will support free and open exchange rather than suppressing a particular point of view.

Joseph Kashi '72

Letters policy

The Tech welcomes letters from its readers. All letters are subject to editing and are published solely at the editors' discretion. Authors must sign their letters and include their phone number, and MIT affiliation, if any, for verification, and should type letters double-spaced for ease of reading. Letters should be kept under 500 words. *The Tech* publishes letters anonymously only in rare circumstances, at the editors' discretion. Bring letters to *The Tech*'s office on the fourth floor of the MIT Student Center or send them to: Letters to the Editor, *The Tech*, P.O. Box 29, MIT Branch, Cambridge, MA 02139; or to Room W20-483 by interdepartmental mail. Electronic submissions may be mailed to tech@athena, and must contain the writer's full name, phone number, address and MIT affiliation (if any).

Evelyn Murphy: abortion decision should be private

This letter is in response to Douglas Galbi G's recent letter to the editor characterizing my position on choice ["Evelyn Murphy's absolutist abortion stand is untenable," March 9].

I would first like to apologize for any problems or misunderstanding Galbi may have had with my staff.

In regard to my record, my pro-choice position is simple. I believe that the decision whether or not to bear a child is a decision to be made by a woman in consultation with her physician and her moral and religious beliefs. I want to keep the government and courts out of this private decision.

The fact is that doctors do not perform third trimester abortions. If a doctor interrupts a pregnancy in the third trimester, it is to protect the life of the mother. The procedure used takes all measure to deliver a viable fetus with every chance for survival. Any exceptions to this occur only in the case of a fetus which has been determined not to be viable.

While the choice issue is emotional and one which tends to elicit a strong position on one side or another, let me urge all those who participate in the debate that they accord those with whom they disagree respect and that they do not inflame the discussion with factual inaccuracy.

Evelyn Murphy
Lieutenant Governor

LETTERS TO THE EDITOR

Institute group attempts to provide sufficient maps to reduce confusion

Mary L. Morrissey, director of the Information Center, asked me to respond to Gwen Freyd G's letter regarding campus maps ["More maps necessary to guide through MIT maze," May 15]. She and I, along with a small group of others, have been working all this past year to identify the content, means, and methods of making public information broadly available across campus.

Central to our task was the need to provide for the kinds of campus maps Freyd referenced in her note. Freyd's description of the problem was certainly consistent, both in perception and in fact, with the frustrations which we found many people experiencing around the campus.

I am pleased to say that our group was successful in augmenting the funding (originally initiated by a class gift) for the design of a new campus map and its installation in three locations: one will be installed by the T stop at

Kendall Square, one near the bus stop on the Student Center side of Massachusetts Avenue, and one to replace the map in the lobby of Building 7.

We identified several other locations which we could not cover with the funding we received. The additional locations Freyd mentioned in her letter were on our list as well. We have recommended that additional maps be installed in future years as funding becomes available.

I want to thank Freyd for her interest and concern about this important issue. Should she be interested in reviewing the substantial amount of detail that we developed around the issue of communicating public information on the campus, she should not hesitate to stop by my office or to call me.

Stephen D. Immerman
Director of Special Services
Office of the
Senior Vice President

Deans: debate should be civil

MIT is a place where ideas are debated and challenged. It is also a community. Sometimes these two notions come into conflict. An individual may feel strongly about religion and seek to share ideas. It is important that individuals respect one another. "I am not interested" means "I am not interested." The same is true for those who feel strongly about other civil and political issues. We may exchange ideas; we may differ strongly, but we must also respect those with whom we differ if dialogue is to go on.

In our office we have heard lately of repeated instances of individuals confronting those who disagree with them in ways that are unacceptable. We must respect one another enough to allow individuals to follow their own consciences. The Reserve Officers' Training Corps' policy on sexual orientation is a concern to many. Feeling strongly about this topic does not give individuals the right to harass students in uniform. MIT has gone on re-

cord disagreeing with ROTC policies discriminating against gay, lesbian and bisexual students. We are working to change things. The climate for constructive dialogue sours when we treat one another in an uncivil fashion.

The same holds true when the Boston Church of Christ recruits new members. Those with strong religious and political views look a lot alike when their righteousness propels them to ride roughshod over those who are unfortunate enough to be the object of their attention. A healthy community needs a climate of mutual respect. In such a community learning, growth and even change will take place.

We encourage those who feel they have been harassed to be in touch with our office.

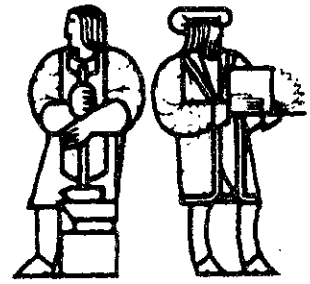
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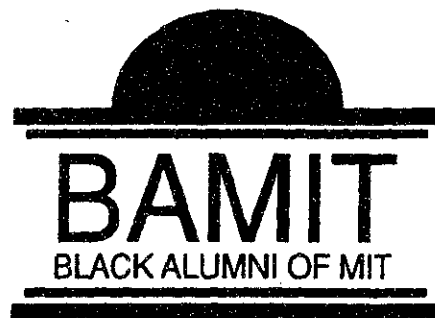
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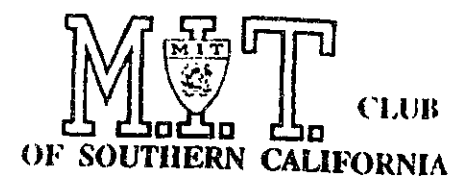
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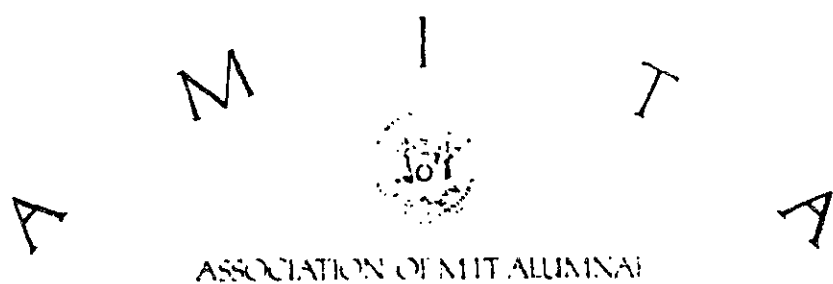
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LETTERS TO THE EDITOR

US and Barco should address current social concerns present in Colombia

I have recently learned that Colombian President Virgilio Barco '43 is this year's commencement speaker. The April 1990 issue of *Technology Review* quoted a MIT Corporation resolution saluting Barco's "courageous leadership of Colombia during a time of formidable challenge." Clearly the resolution is referring to Barco's efforts against drug traffickers. However, impartial human rights organizations such as Amnesty International and Americas Watch have concluded that Colombian security forces are responsible for large numbers of death squad killings. The victims are often those who peacefully speak up for the poor and oppressed, sometimes asking only for things as basic as respect for human rights, clean water, or health care.

heard, Barco has not publicly acted or spoken against political killings carried out by the security forces. Although I would be very pleased if Barco has privately acted against the killings, I doubt that he has, and in any event this was not why the MIT Corporation was praising him. The MIT Corporation was praising him for doing the bidding of the US government rather than facing the real problems of poverty and injustice afflicting Colombians.

At a time when US foreign assistance to Colombian security forces is being increased, it should be our responsibility to see that the priorities of the nation's foreign policy are changed to the promotion of peace and justice rather than attempting to solve our own problems on the backs of Colombian peasants.

According to the reports I have

Richard Koch '89

Gray morally inconsistent on South Africa divestment

With the renewal of the debate on divestment in the last few months, both the aims and methods of the Coalition Against Apartheid have been criticized by various parties. However, there seems to be a consistent lack of substance on the anti-divestment side.

First, there are those few who readily admit that their major concern is the potential economic risk of divestment for MIT. These people need to evaluate how credible President Paul E. Gray '54 is when he contends that MIT's portfolio will be less fruitful no matter how funds divested from firms doing business in South Africa are reinvested. It would lead one to conclude that all the other American institutions which have divested (many in the last few years) have either a part of their operating budget that is superfluous or a portfolio that differs fundamentally from MIT's. Or, perhaps they felt that the moral strength of such a statement far outweighed the meager financial losses.

Nevertheless, the most interesting comments against divestment which have come to my attention

allegedly arise from a concern for the well-being of the oppressed majority of South Africans. Gray has told us that morality requires consistency. I submit that, first and foremost, morality demands action — action upon one's convictions. If Gray truly believes that divestment by important shareholders does not affect a company's decision to leave South Africa, then why does he not push for continued investment, even in companies which have a low rating on the Statement of Principles?

Indeed, if we cannot convince companies to leave South Africa by not investing in them, why does Gray not push for MIT to take advantage of the high profit margins which these firms achieve by a complete disregard for the most basic rules of moral conduct? Surely, there must be some use for more revenues at MIT. For example, we could offer more scholarships to black South Africans.

If there is a single person at MIT who feels that the logic of divestment is fundamentally flawed, why have we not seen a single leaflet or petition against

divestment? It will not suffice to merely restrain from supporting divestment, or vote in a referendum of no consequence or write a letter to *The Tech* between problem sets. Morality demands that anybody who cares about the oppressed of South Africa, and feels strongly that divestment can only hurt them, come forward, educate the MIT community and take whichever action is deemed necessary to ensure that MIT never divests.

The members of the Coalition Against Apartheid have shown through incessant efforts this term that they are dedicated to the cause of divestment, and will continue to act in defense of their belief that they stand united with South Africans fighting for freedom. Anyone who presents differing views without at least as much commitment is advocating a position which he/she is not ready to engage in to any extent, and as such is hardly qualified to speculate on the best interests of the people of South Africa who wage a daily, often fatal, battle against a system which shames us all.

Mountaga Aw '90

Pledge encourages socially responsible careers

You've received your degree; so what now? Today you have reached an important milestone in your career; tomorrow you will undoubtedly hold many new professional responsibilities. At this time, it seems appropriate to ask, to what extent have you had the opportunity, while at MIT, to consider the societal implications of your future work? We encourage you to give thought to the Graduation Pledge of Social and Environmental Responsibility as a means of enabling serious consideration of such issues.

First proposed in 1987, the pledge has since spread to colleges around the country. In 1988, the pledge was distributed here at MIT and at Stanford University where it was endorsed by Stanford President Donald Kennedy in his commencement address. This year thousands of graduates will receive the pledge.

The pledge distributed here reads, "I pledge to investigate thoroughly and weigh the social and environmental consequences of any professional activity that I may undertake."

The pledge has two complementary purposes. The first is to stimulate a lively and constructive debate about the meaning of "professional responsibility."

Such discussion would raise important issues which, for the most part, receive minimal attention in higher education.

Of course, this dialogue should take place not just at the conclusion of the educational process, but rather throughout it. However, the establishment of the pledge as a part of the annual commencement activities would encourage all students to consider the issues which it raises. Moreover, a yearly pledge would affirm the importance of critical thought and discussion about the nature of professional responsibility.

The second goal, closely linked to the first, is to achieve a genuine commitment by graduates to make responsible action an integral part of our professional lives. One who chooses to sign the pledge is committing herself wholeheartedly to a continuous and rigorous examination of her actions and the effects on society. Moreover, she is also pledging to use this examination as a guide in her decision-making. It is important to note that the pledge does not seek to engrave in stone a fixed set of rules. On the contrary, the pledge requires each person to make her own deci-

sions based on her own moral judgment.

A significant aspect of the pledge is that it is voluntary. Mandatory signing of the pledge would reduce it to a meaningless gesture. Essentially, a decision to sign the pledge should be independent and based on serious consideration of the meaning of one's societal responsibilities. In addition, the pledge is private; only the person signing has to know she has signed. Nobody monitors who has or has not taken the pledge. This measure works to ensure that the effects of the pledge will depend only on the signer; no overseeing body checks the individual's judgment against that of some fixed standard.

By signing a pledge which embodies the aphorism that we must each think and act responsibly, you would carry the thought that you should exercise moral judgment in evaluating ideas, making decisions, and choosing action. If you do not feel ready to sign the pledge today, it can wait. Remember that the pledge is a serious commitment, so give it serious thought.

Abby Karmali G
Ajay Advani '91

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group, desiring a social environment which consists of other people with a similar background. However, it is discriminatory when a group denies, or in our case, revokes, membership to people who may not share this same religious or ethnic background. We feel that AEPi acted in such a manner with regards to the reorganization of our chapter.

We believe that Jewish people do have a right to form a fraternity at MIT, but Alpha Epsilon Pi, as a result of its past actions, should not be that fraternity.

I am writing to express my concern with MIT's tenure policy and academic attitude. When I was accepted by MIT, a press release was sent to my local paper by MIT saying that I had been accepted to "one of the great learning institutions in the world." This should have been rephrased "one of the great research institutions in the world." It is obvious that this is where MIT places its priority. This is a sad truth which should cause embarrassment to every member of the faculty and administration.

Although Associate Professor Jeremy M. Wolfe PhD '81's tenure denial motivated this letter ["Whitaker denies Wolfe tenure," May 11], it is not just this decision I am criticizing. Most undergraduates are well aware that we are given second priority to research. We have come to accept this fact. I was not the least bit surprised to learn about Wolfe's case. I was disgusted to have been reminded so blatantly just how unimportant education is in the eyes of the Institute.

Provost John M. Deutch '61 said he was "pleased that the office of the provost intervened in this matter [Wolfe's tenure case] in a way which demonstrates the value we place at MIT on under-

graduate education." I believe the outcome of this case has shown quite clearly the value MIT places on undergraduate education.

Vice President Kenneth A. Smith '58, the head of the Whitaker council which denied Wolfe tenure, said himself that there is a tendency to give research more weight in tenure decisions, but that "there is not any intent to ignore teaching." It should be just the opposite! If MIT feels research is more important than education, it should start a company and use something other than tuition to pay the people it decides to employ.

Our tuition was recently raised to \$15,600. In a statement in *The Tech* it was explained that the \$1100 tuition increase was necessary because it is important to provide competitive salaries to maintain the high quality teaching staff here at MIT. So, we raise tuition to pay teachers who are hired on the basis of their research? It does not seem fair that our tuition is being raised at outrageous rates to employ professors given tenure on the basis of the quality of their research. What are we, the students paying tuition, getting out of this?

MIT has earned the reputation of being one of the best colleges

in the United States. What signal are we sending the world with such tenure policies? If even our best colleges do not treat education as top priority, it comes as no surprise that the American education system is corroding. Doesn't MIT have a responsibility to act as a leader in changing this situation? Instead we encourage it.

As a student, I strongly recommend that Wolfe's tenure case be reconsidered. MIT cannot afford to lose such a great instructor. On a larger scale, MIT's tenure process, "which has not undergone any major revision since its beginnings in 1940" should be reviewed and restructured so that education is given not an equal priority, but a greater priority than research.

I have been lucky to have had several excellent teachers in my three years at MIT. However, it has been my experience, as well as that of most of my classmates, that many of the professors here do not have a high level of competence in the classroom. Any college owes its existence to its students. It is time that the students here be given the attention and educational priority we deserve.

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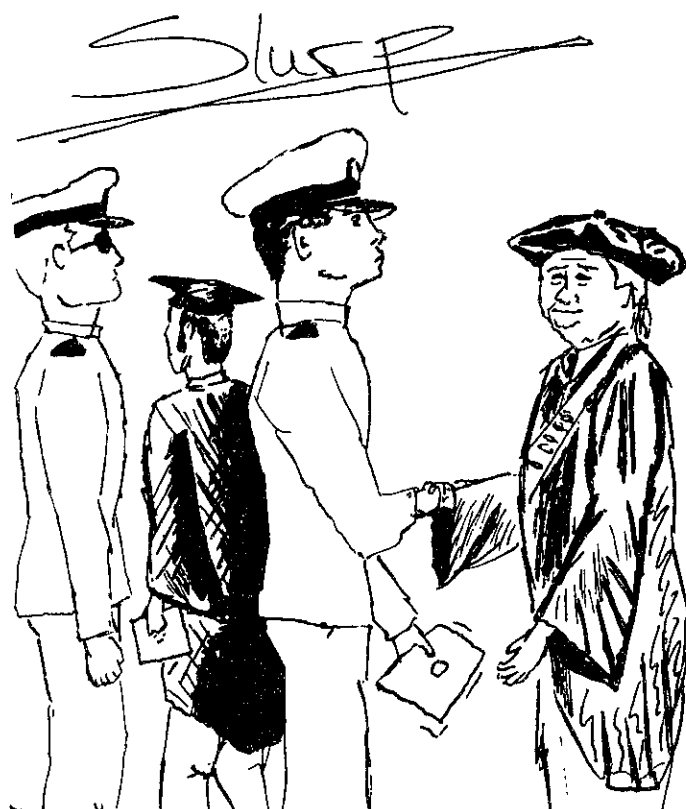
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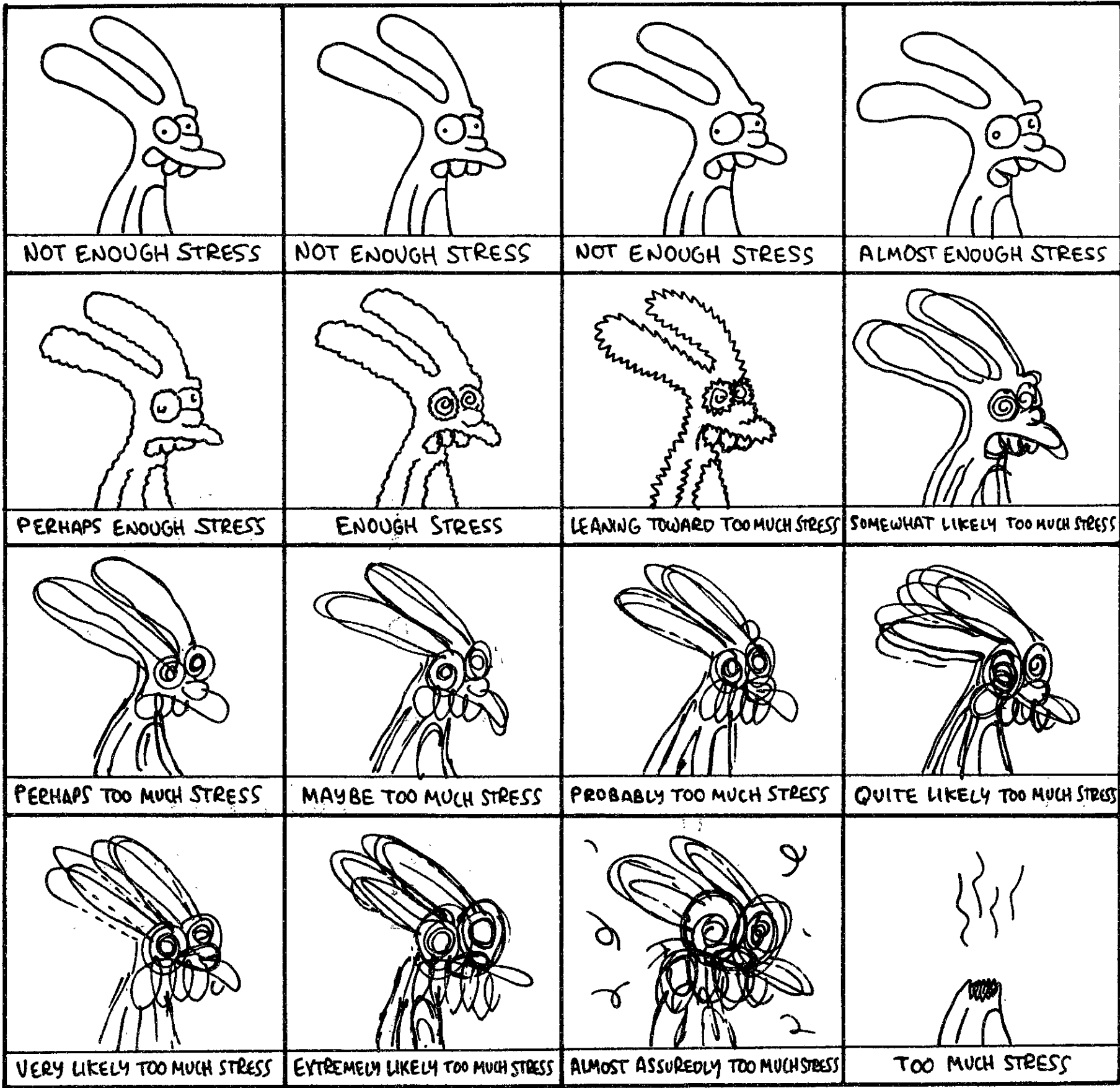
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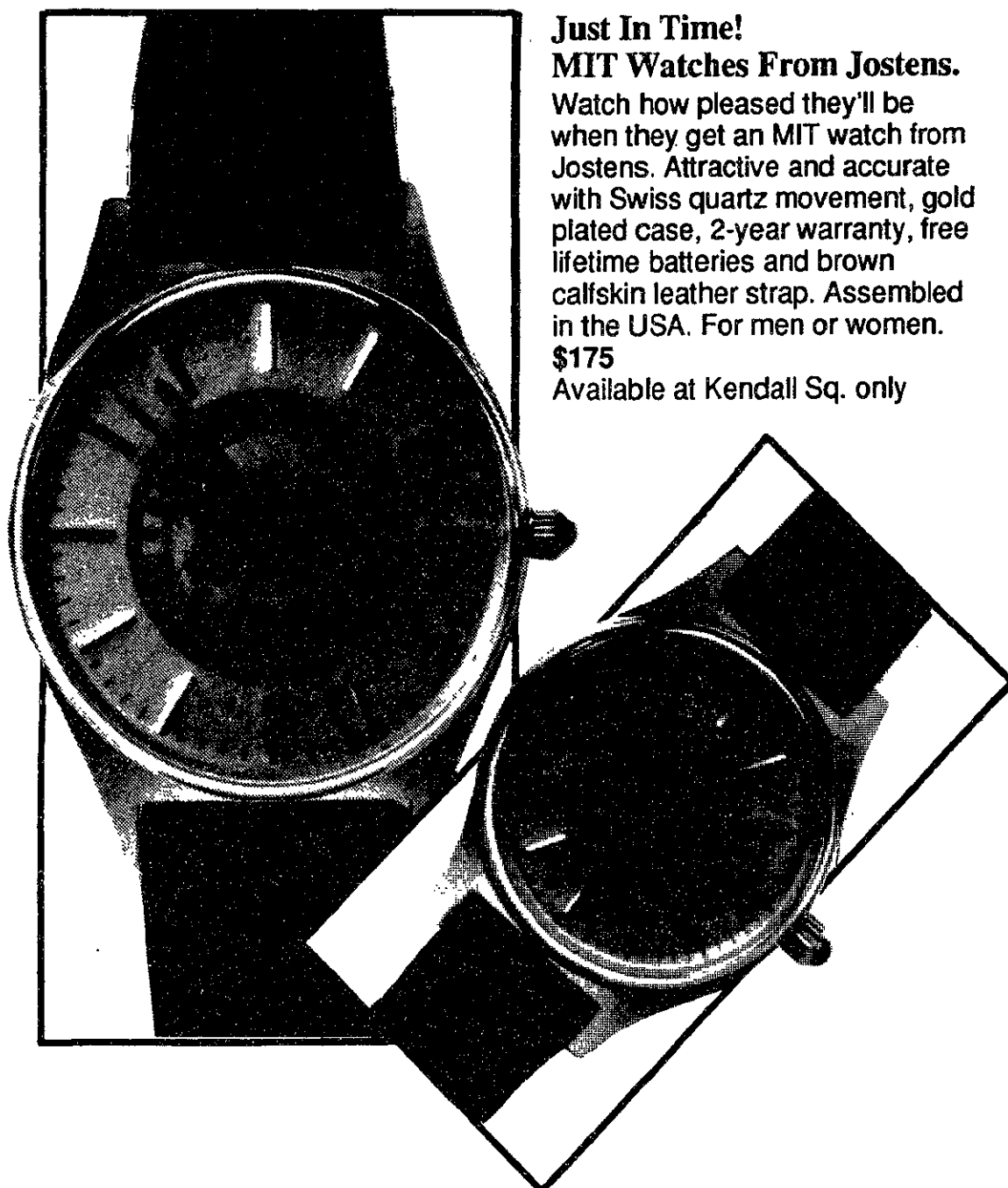
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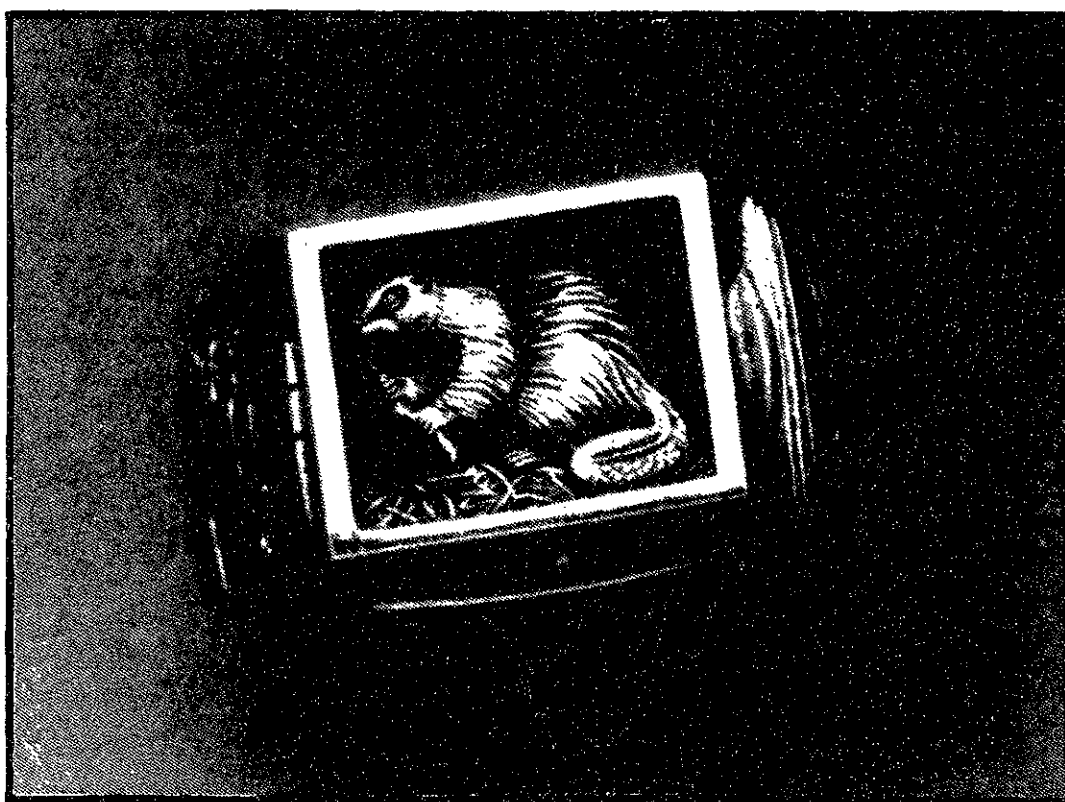


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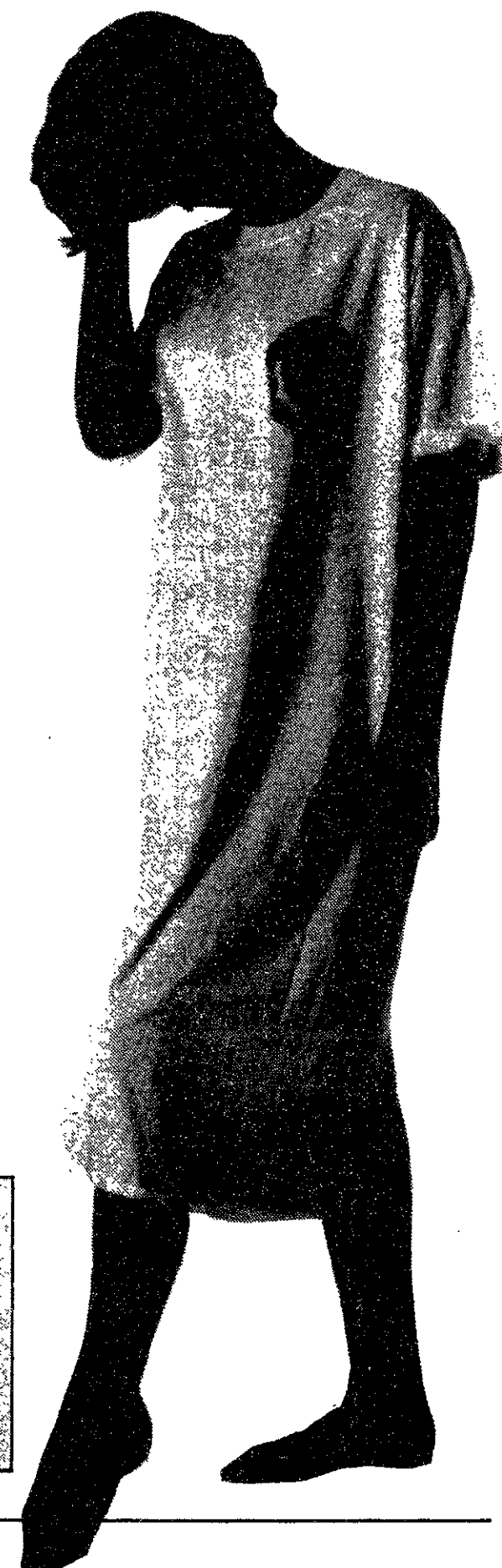
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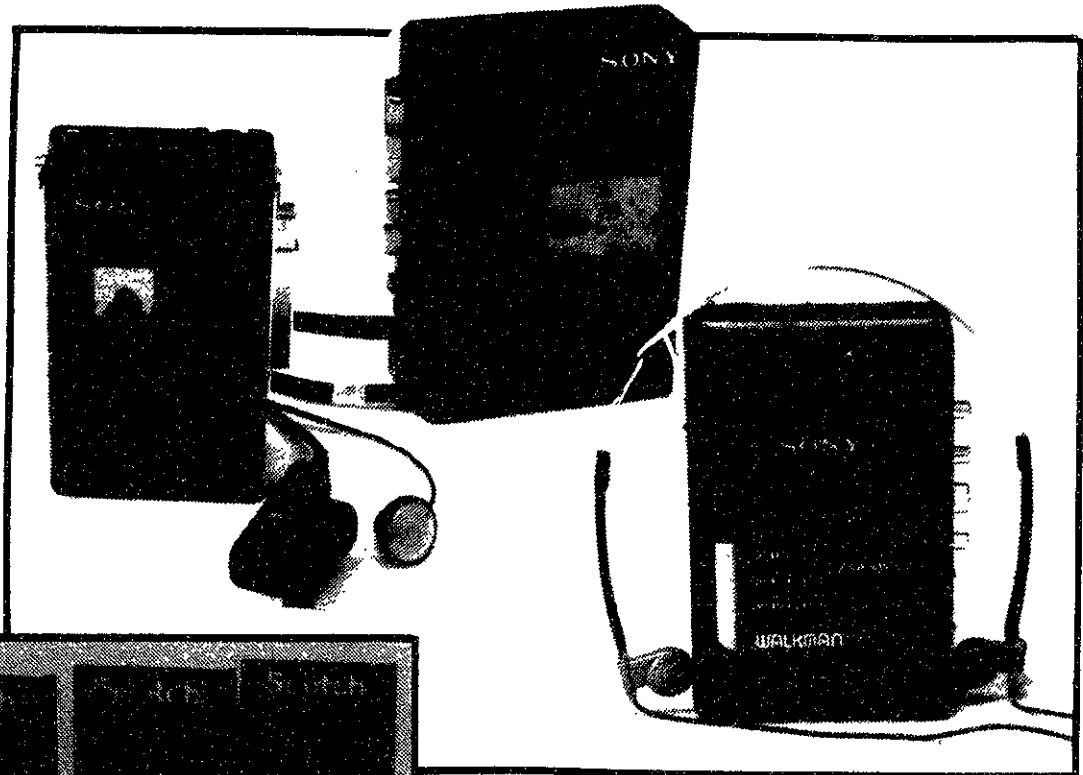
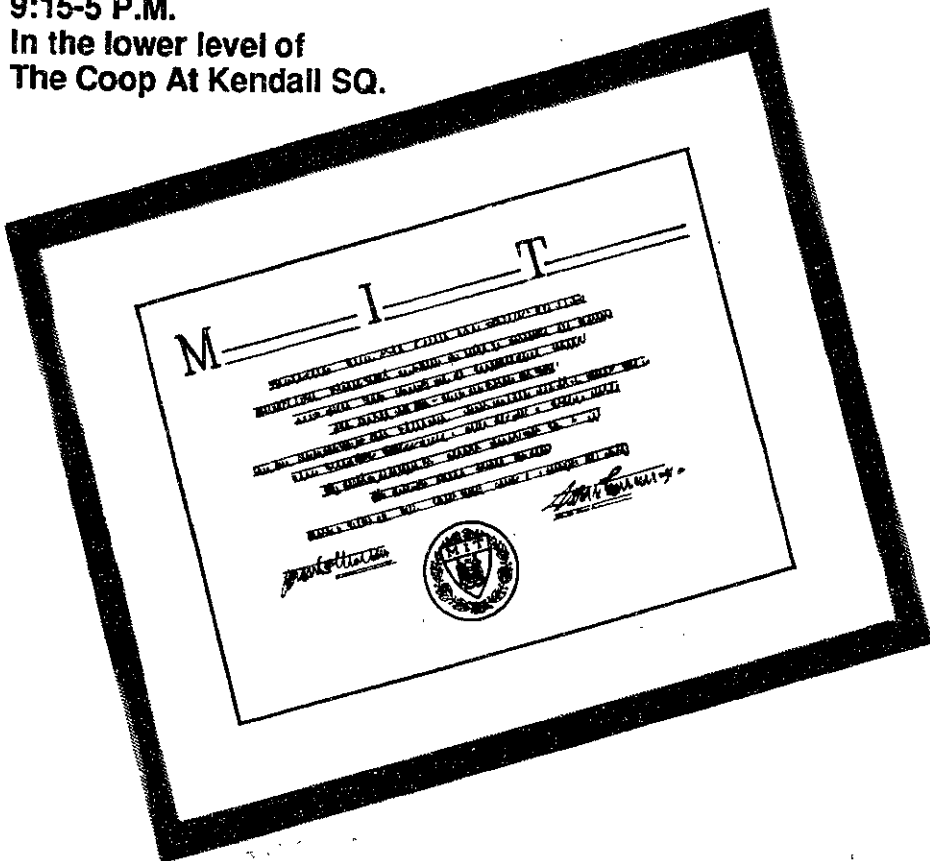
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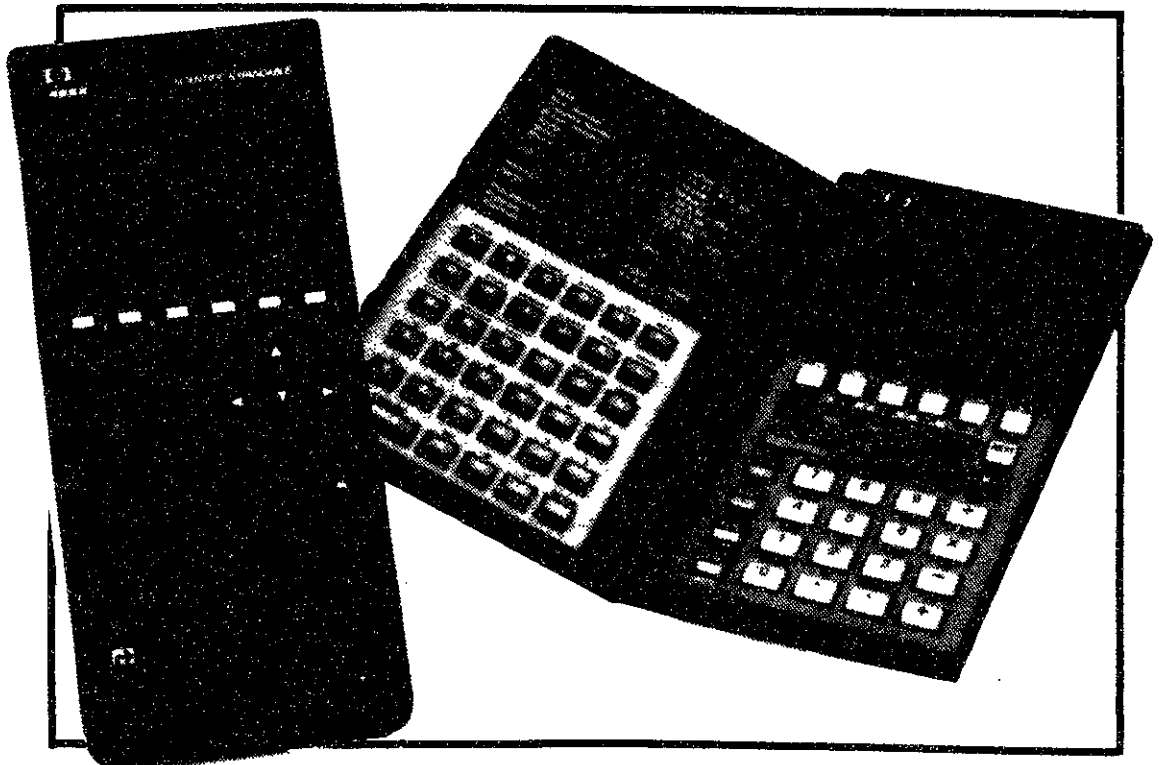
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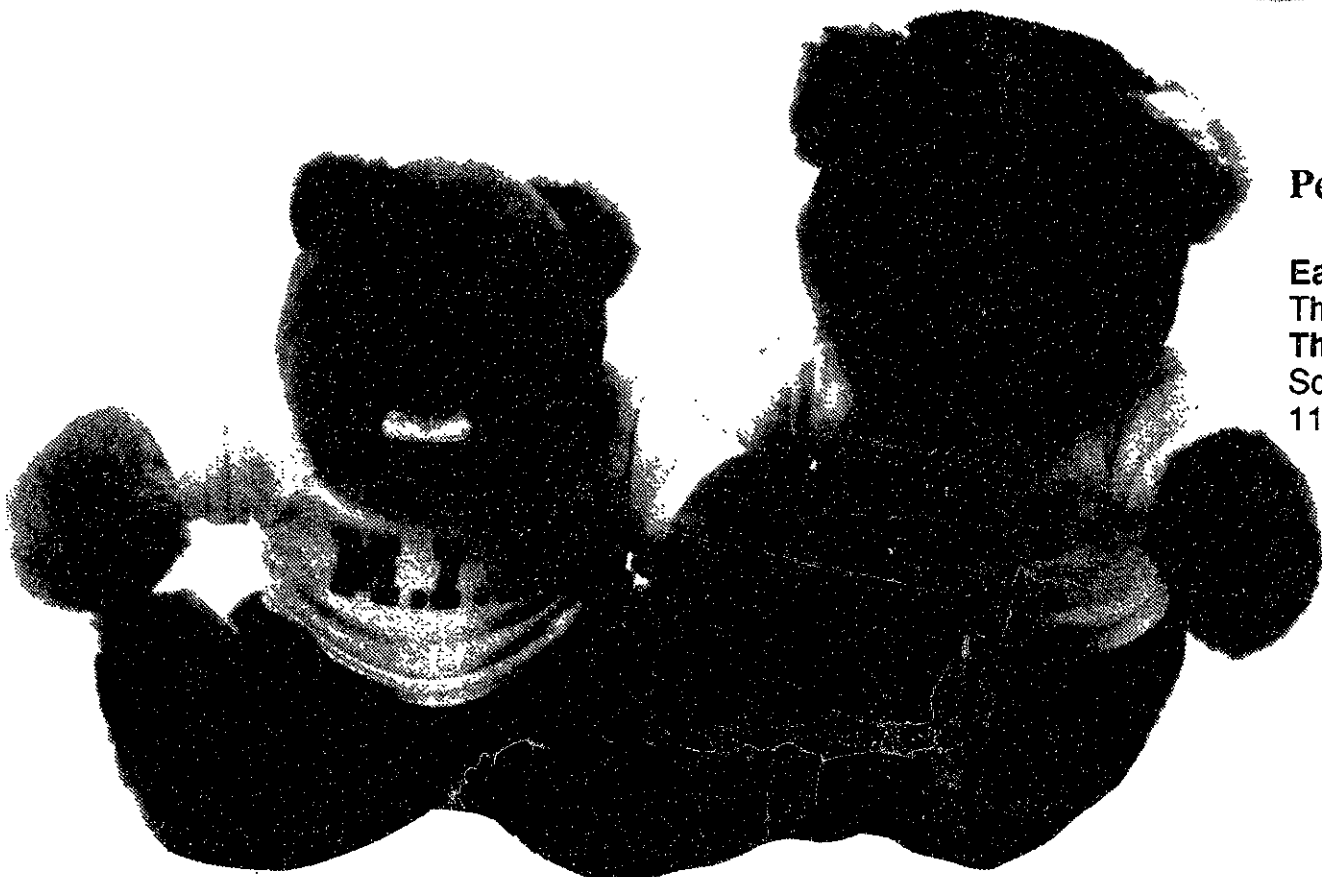
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**the
Coop**

Light, farcical comedy with Feydeau's *Lady from Maxim's*

THE LADY FROM MAXIM'S

Written by Georges Feydeau.

The Huntington Theatre Company.

Starring Greg Mullavey, Lynnda Ferguson,

Jo de Winter, and Humbert Allen Astredo.

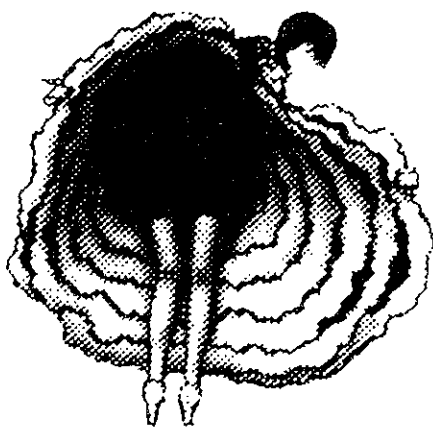
At the Boston University Theatre,

May 25 to June 24.

By MICHELLE P. PERRY

"THE WORST MEETING OF ALL is that between the guilty husband and his suspicious wife, or the suspecting husband and his wife caught in compromising circumstances," says Georges Feydeau. His play, *The Lady from Maxim's*, is full of meetings between guilty or suspecting husbands and wives, plus uncles, nieces, soldiers, dukes, and household help.

The result is a witty, crazily twisted tale, set in France in the early 1900s. Doctor Lucien Petypon (Greg Mullavey) awakes



from an evening of drunken debauchery to find "The Shrimp" (Lynnda Ferguson), a notorious dancer from the Moulin Rouge, in his bed. The Shrimp takes a liking to the doctor's lifestyle and decides to stick

around for a while, despite the appearance of the doctor's wife (Jo de Winter). When General Petypon du Grele (Humbert Allen Astredo), Dr. Petypon's Uncle, mistakes The Shrimp for the doctor's wife, Petypon is trapped into bringing The Shrimp to his niece's wedding in the country. The twists and turns which evolve from this basic structure are indescribably complex.

Lynnda Ferguson is delightful as The Shrimp, a tall, curvaceous blonde with "a hard shell and lovely pink center." She swivels her hips around the stage, charming every man and woman in sight, and takes the annoying edge off the endless repetition of her philosophy of life: "Well, what the hell, he's not my father."

Mullavey as Dr. Petypon, and Richard Russell Ramos as his fellow debauchee, Doctor Mongicourt, both play their lines for the laughs. In many other cases, this would be a criticism. However, their style is more than appropriate for the play, which is full of gag lines directed to the



Portrait of Georges Feydeau (Carolus-Duran, 1899)



The Shrimp (Lynnda Ferguson) and General Petypon du Grele (Humbert Allen Astredo) in *The Lady from Maxim's*

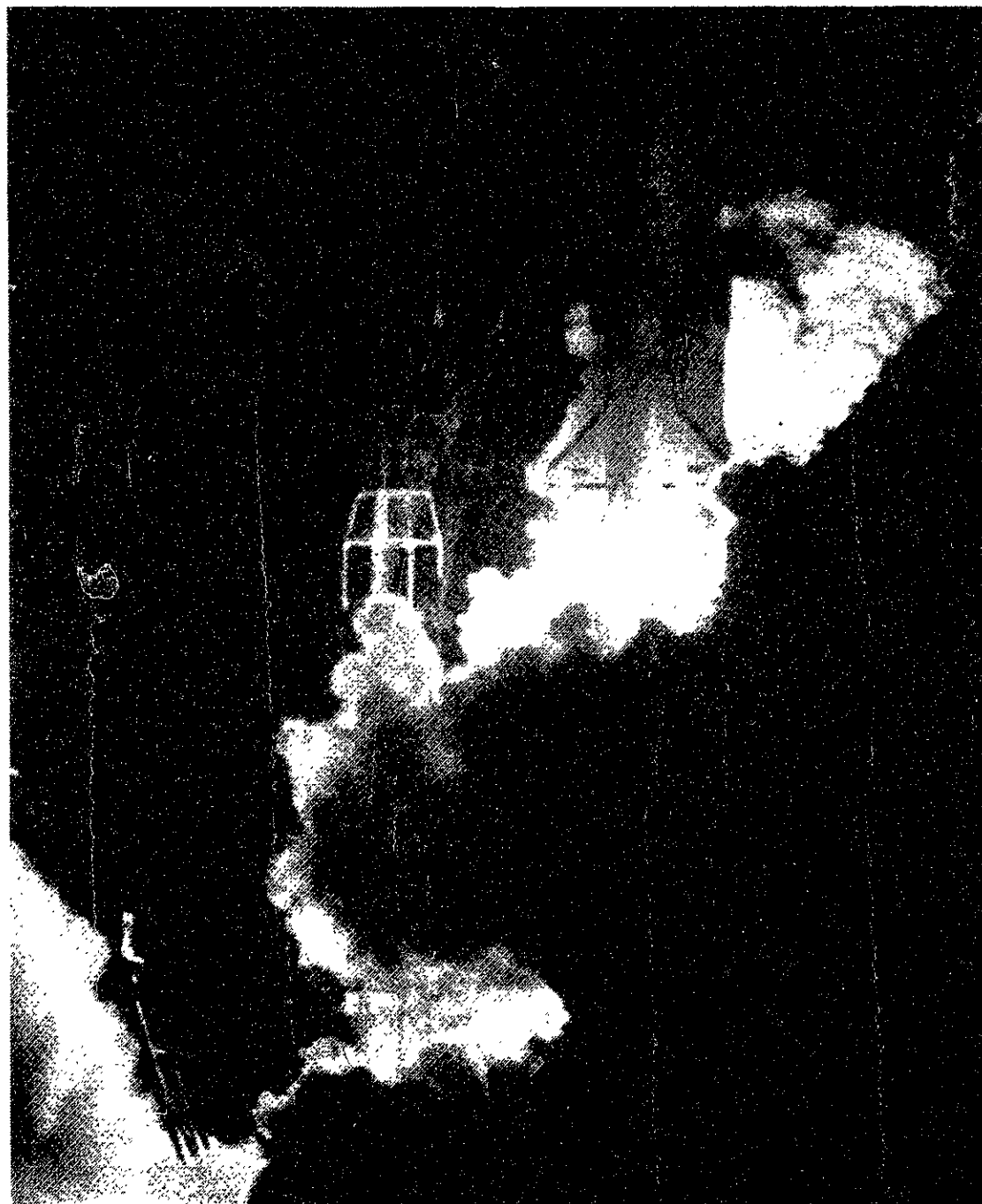
audience.

Mme. Petypon is devoutly religious and finds it perfectly believable that a seraphim has appeared to her and told her to await divine impregnation. De Winter plays the role very straight, which is necessary to avoid complete ridicule and is a noticeable contrast to the rest of the actors. Unfortunately, on occasion she does not seem to match the energy of her companions on stage.

Very strong supporting performances are given by Astredo as the irascible Uncle whose mirth equals his great girth; Tony Alyward as Etienne, Petypon's shrewdly observant butler; and James Judy as the Duke de Valmonte, a country bumpkin smitten with The Shrimp.

The realistic sets are attractive, and the lighting effects are appropriately subtle. Costumes are well done, and The Shrimp's several pink frou-frou dresses are particularly lovely.

Maxim's is pure, light, farcical comedy, and pokes fun at everything from provincial life to the medical profession. However, it has nothing of real value to say about life, and certainly will not provoke self-reflection in audience members. It is the marshmallow fluff of theater: seeing it is pleasurable, but real substance will have to be found elsewhere.



Soviet Space, exploring the history of the Soviet space program, continues through September 23 at the Boston Museum of Science.

On The Town

Compiled by Peter Dunn

Monday, June 4

CONTEMPORARY MUSIC
Travelin' Light, Someday Vegas, Chris DePinto, and The Pipers perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Brown Bag Gusselers perform at the Plough & Stars, 912 Massachusetts Avenue, Cambridge. Telephone: 492-9653.

FILM & VIDEO

The Coolidge Corner Theatre continues its series *After the New Wave: The Films of Gérard Depardieu and Bertrand Blier* with *Going Places* (1974) at 3:00 & 7:50 and *Buffet Froid* (1979) at 6:00 & 10:00 at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Also presented June 5 and 6. Telephone: 734-2500.

*** CRITICS' CHOICE ***
Race the Wind, a breathtaking encounter with sea, wind, and human ingenuity, and *The First Emperor of China*, a 40-minute film epic on the founder of Imperial China, continue through October at the Mugar Omni Theater, Museum of Science, Science Park, Boston, near the Science Park T-stop on the green line. *Race the Wind* hours are Monday at 11, 1, 2, & 3; Tuesday-Friday at 11, 1, 2, 3, 7, & 8; Saturday every hour from 10 am to 9 pm; Sunday every hour from 11 am to 8 pm. *The First Emperor* hours are Tuesday-Thursday at 4 & 9; Friday at 4, 6, & 10; Saturday at 10 pm; Sunday at 9 pm. Tickets: \$6 general, \$4 seniors and children. Telephone: 623-6664.

The Institute of Contemporary Art continues its series *The Silver Screen and the Baseball Dream* with *Field of Dreams* (1989, Phil Alden) at 7 pm in the ICA Theater, 955 Boylston Street, Boston. The ICA also continues its series *Three by Scorese* with *Italianamerican*, *The Big Shave*, and *American Boy* at 9 pm. *Three by Scorese* also presented June 6 and 7. Tickets: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

Tuesday, June 5

CONTEMPORARY MUSIC
The Boston Pops perform at 8:00 in Symphony Hall, corner of Huntington and Massachusetts Avenues, Boston. Performances continue through July 14, Tuesday-Saturday at 8:00 and Sunday at 7:30. Tickets: \$10 to \$33. Telephone: 266-1492.

The Music of Andrew Lloyd Webber, featuring musical numbers from *Jesus Christ Superstar*, *Evita*, *Cats*, *Joseph and the Amazing Technicolor Dreamcoat*, *Song & Dance*, *Starlight Express*, *Requiem*, and *The Phantom of the Opera*, and starring Sarah Brightman, is presented at 8 pm at the Wang Center, 270 Tremont Street, Boston. Also presented June 6 at 7 pm and June 7-10 at 8 pm. Tickets: \$30.75 to \$40.75. Tel: 1-800-426-5378.

Waywards, Bob Evans, Tripp Lullaby, and Native Green perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Idiot Savant and The Attles perform at 8 pm in an 18+ ages show at Nouveau Club M-80, 969 Commonwealth Avenue, Boston. Telephone: 254-2054.

Medicine Ball and Toe Cutter perform at 8 pm at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$3.50. Telephone: 426-7744.

JAZZ MUSIC

El Eco performs at 9 pm at the Regattabar, Charles Hotel, Harvard Square, Cambridge. Tickets: \$7. Tel: 661-5000.

CLASSICAL MUSIC

Early Music Student Ensembles perform baroque chamber music of Couperin, Leclair, J. C. Bach, and others at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, 27 Garden Street, Cambridge. No admission charge. Telephone: 876-0956.

Wednesday, June 6

JAZZ MUSIC

The Winkler Swing Orchestra performs at 9 pm at the Regattabar, Charles Hotel, Harvard Square, Cambridge. Tickets: \$6. Telephone: 661-5000.

CONTEMPORARY MUSIC

Phil Collins performs at 7:30 at Great Woods, Routes 140 & 495, Mansfield. Also presented June 7 and 8. Tickets: \$21 and \$29. Telephone: (508) 339-3333.

The London Quireboys and Electric Angels perform at 9 pm at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

Marillion performs at 8 pm in an 18+ ages show at the Paradise, 967 Commonwealth Avenue, Boston. Tel: 254-2052.

The Joneses perform at Nouveau Club M-80, 969 Commonwealth Avenue, Boston. Telephone: 254-2054.

Quasi Mojo, Small Town No Airport, Oilmen, and Larry Dulca perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Master & Slaves perform at 11 pm in an 18+ ages show at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

Taj Mahal performs at 8:00 & 10:30 at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

FILM & VIDEO

The Museum of Fine Arts concludes its series of *Two Premiere Engagements* with *A Few Days with Me* (1988, Claude Sautet, France) at 5:30 & 7:50 in Remis Auditorium, 465 Huntington Avenue, Boston. Also presented June 7 and 8. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

Thursday, June 7

JAZZ MUSIC

Rebecca Paris and Quartet perform at 9 pm at the Regattabar, Charles Hotel, Harvard Square, Cambridge. Also presented June 8 and 9. Tickets: \$7 to \$9 depending on day. Telephone: 661-5000.

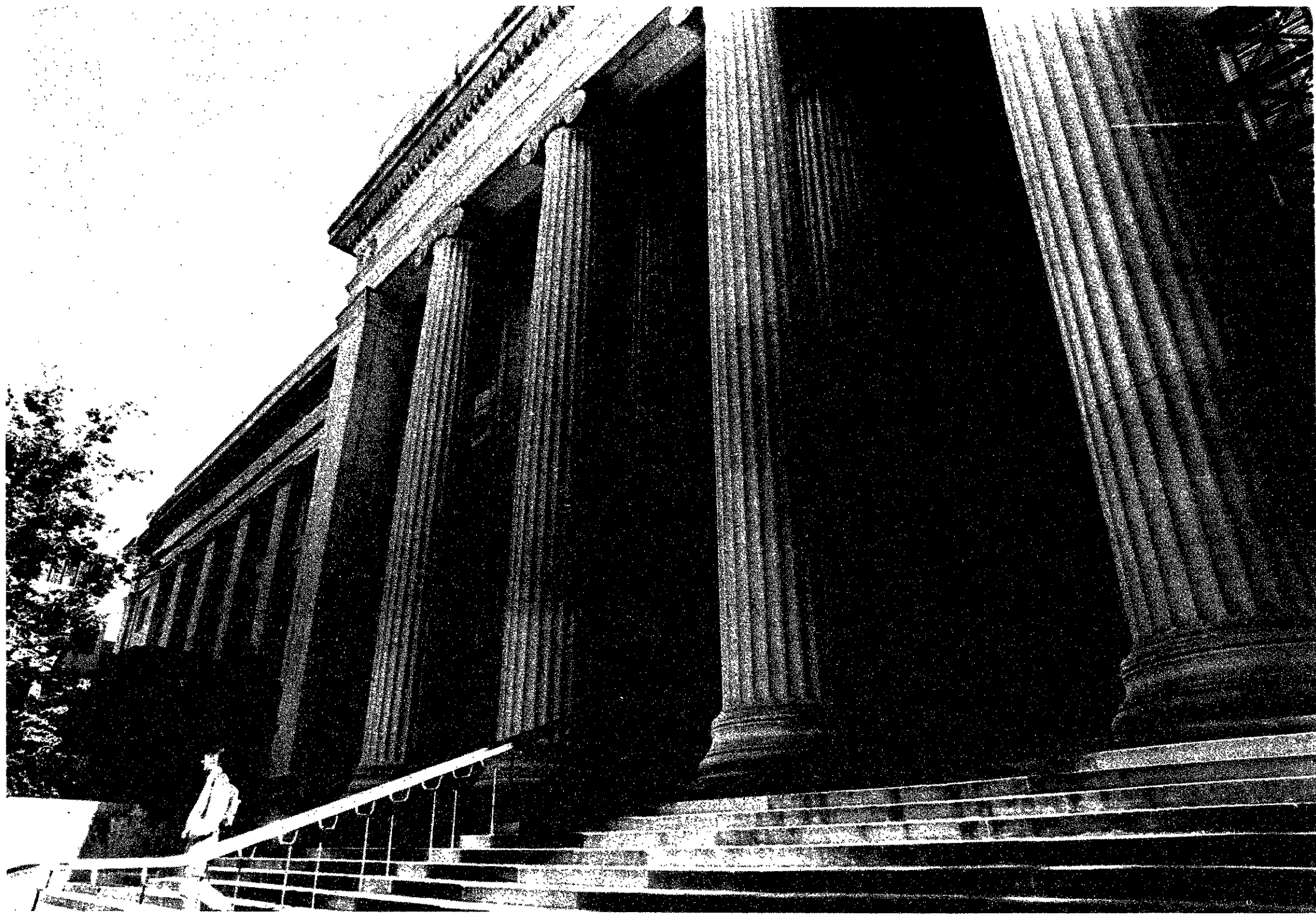
Standard Procedure performs at 8 pm at the Cambridge Center for Adult Education, Blacksmith House, 56 Brattle Street, Cambridge. Admission: \$3.50. Telephone: 547-6789.

DANCE

The MJT/TSLLA Dance Company performs works by Tsilia Goldstein and Margie J. Topf at 12:30 in the Federal Reserve Bank of Boston's auditorium, 600 Atlantic Avenue, Boston, across from South Station. No admission charge. Telephone: 973-3453.

ARTS

Technique potpourri captures memories of past year



Ken Church/Technique

TECHNIQUE

By MARK ROBERTS

A PUBLICATION SUCH AS *Technique* cannot be judged by the usual standards applied to coffee table books, which is what its format of elegantly presented photographs accompanied by a minimal text suggests. Its readership is tightly limited — to the world at large it almost inevitably holds little interest, to a narrow section of it, the book cannot but be fascinating. What makes it fascinating to them is their personal connection with what it depicts, and so naturally a large part of the publication is given over to individual photographs of the senior class, together with their personal testimonials, and to pictures of the various living groups *en masse*.

It is fun to play the game of spotting your friends looking implausibly neat and tidy, grinning glassily, in these parts of the book, and doubtless the faces will provide

fodder for much dewy eyed reminiscence and "well I never"-ing in years to come, but one turns with more curiosity to the general sections.

The first of these is purely pictorial, focusing on the unchanging aspects of MIT, rather than events peculiar to this year. There are large pictures of the Institute, familiar views and odder angles, in snow, in sun, thronged with a crowd, and so on. The standard of these photos is for the most part high, and they have been generously reproduced and laid out. They are well chosen, because they will bear the test of time that has to be one of the criteria in choosing them. At the moment they look familiar, but the compositions are strong enough to render them more than simply snapshots. They stand as thoughtful studies in their own right.

Moving on, one comes to the "Journal," "Activities," and "Sports" sections. At first the text that accompanies the "Journal" seemed oddly chosen. It is a partial

diary of the years events, and mixes MIT news with world events in a haphazard fashion. Thus the election of an Undergraduate Association president rubs shoulders with the opening of the Berlin Wall and the death of Lucille Ball. On reflection this potpourri seems better fitted to its purpose, since it provides the fragmentary tapestry of sublimity and ridiculousness of which memory is composed, and can serve as a trigger to recapturing the larger memories of one's year. And it's already interesting to be reminded of some of what was going on a year ago.

A major event on campus last year was the death of Harold E. "Doc" Edgerton SM '23, and as befits a man whose life touched that of so many people at MIT, this is commemorated with a double page spread of one of his photographs and a chronology of his life. He also appears in photos elsewhere in the book.

The sports and activities section offer a photographic survey of their subjects. One

turns naturally to those with which one is familiar, and I was amused to see the MIT Rugby Club commemorated in a picture of one of its more brutal practitioners doing a particularly illegal and dangerous head tackle on a member of the opposition. The photos could not attempt to be exhaustive, but are representative of a diverse range of activities. Doubtless some will be disappointed that their particular interest has been overlooked, but the impression after a browse through the book is of an eclectic range of activities — and not much work, incidentally, although doubtless people will be quite happy not to be reminded of that.

Technique will be fun to peer at and identify friends and enemies in, and will doubtless be stashed away to be pulled out in future years and reopened to show your grandchildren with a frisson of horror and delight. It should do the job nicely, and the binding looks good and tough, made to last.

CONTEMPORARY MUSIC

3rd Bass performs in an 18+ ages show at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$7/\$8. Telephone: 451-1905.

Something Happens performs at 8 pm at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Johnny Cola performs at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Day and Night, Witch Doctor, and Baldinos perform at T.T. the Bears, 10 Brookline Street, Cambridge, just north of MIT. Telephone: 492-0082.

Freeze and the Bon Temps Zydeco Band perform at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Trace of Red, Lower Wacker Drive, and Dirt Leg perform at 8 pm at Necco Place, One Necco Place, near South Station in downtown Boston. Tickets: \$3.75. Telephone: 426-7744.

Freddy White and The Thirst perform at 9 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

FILM & VIDEO

The Coolidge Corner Theater begins its 1950 Film Festival with *All About Eve* at 8:30 at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Tickets: \$19.50 advance, \$25 at the door. Telephone: 734-2000.

The Boston Film/Video Foundation presents *Video Works* by Daniel Reeves at 8 pm at 1126 Boylston Street, Boston, near the Auditorium T-stop on the green line. Admission: \$6 general, \$5 BF/VF members, seniors, and students. Telephone: 536-1540.

Friday, June 8

CONTEMPORARY MUSIC

The Tubes, Mike Viola & Snap, Close Enough, and Old School perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$7.50/\$8.50. Telephone: 451-1905.

Mozamba, Bob Moses, Figures on a Beach, Lori Laine & The Innocent, and In The Flesh perform at 9 pm in an *Amnesty "Party for Peace"* at Axis, 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

Think Tree and Chucklehead performs at 8 pm in an 18+ ages show at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Pajama Slave Dancers perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Tel: 247-8309.

Ritual Tension performs at 11 pm in an 18+ ages show at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

JAZZ MUSIC

The Steve Cohn Trio performs at the Willow Jazz Club, 699 Broadway, Ball Square, Somerville. Also presented Saturday, June 9. Telephone: 623-9874.

CLASSICAL MUSIC

The Handel and Haydn Chorus performs at 8 pm in Trinity Church, Copley Square, Boston. No admission charge. Telephone: 266-3605.

The Longy Graduation Concert features works by Vittorio Rieti at 8 pm in the Edward Pickman Concert Hall, Longy School of Music, 27 Garden Street, Cambridge. No admission charge. Telephone: 876-0956.

FILM & VIDEO

The MIT Lecture Series Committee presents *Superman* at 7:00 and *Superman II* at 9:45 in 10-250. Admission: \$11.50. Telephone: 258-8881.

*** CRITICS' CHOICE ***
The French Library in Boston continues its film series *Comic Geniuses of French Cinema* with *Les vacances de M. Hulot (Mr. Hulot's Holidays)*, 1953, Jacques Tati, France) at 8 pm at 53 Marlborough Street, Boston. Admission: \$4 general, \$3 Library members. Telephone: 266-4351.

*** CRITICS' CHOICE ***
The Cambridge Center for Adult Education continues its film series *Fantastic Journeys in Time and Space* with *Wings of Desire*, (1988, Wim Wenders, West Germany/France) at 7:30 at 56 Brattle Street, Cambridge. Tickets: \$3.50. Telephone: 547-6789.

The Coolidge Corner Theater continues its 1950 Film Festival with *Sunset Boulevard* and *In a Lonely Place* at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Telephone: 734-2500.

The Boston Film/Video Foundation presents *Video Works* by Daniel Reeves at 8 pm at 1126 Boylston Street, Boston, near the Auditorium T-stop on the green line. Admission: \$6 general, \$5 BF/VF members, seniors, and students. Telephone: 536-1540.

The Institute of Contemporary Art presents the New England premiere of *Speaking Paris* (Atom Egoyan) at 7 pm & 9 pm at the ICA Theater, 955 Boylston Street, Boston. Continues through June 17. Admission: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

DANCE

*** CRITICS' CHOICE ***
The Great Tap Reunion, featuring The Nicholas Brothers, Savion Glover, Brenda Bufalino, Jimmy Slyde, James "Buster" Brown, Steve Condos, LeVaughn Robinson, Gregory Hines, and more, is presented by Dance Umbrella at 8 pm in the Boston Opera House, 539 Washington Street, Boston. Also presented Saturday, June 9. Tickets: \$18, \$22, and \$27. Telephone: 492-7578.

Saturday, June 9

CONTEMPORARY MUSIC
Depeche Mode and Nitzer Ebb perform at 7:30 at Great Woods, Routes 140 & 495, Mansfield. Also presented Sunday, June 10. Tickets: \$19 and \$21. Telephone: (508) 339-3333.

T.S.O.L., Trouble, and The Big F perform at the Channel, 25 Necco Street, near South Station in downtown Boston. Admission: \$6.50/\$7.50. Tel: 451-1905.

Bostonians perform at the Rat, 528 Commonwealth Avenue, Kenmore Square, Boston. Telephone: 247-8309.

Defunk! performs at Johnny D's, 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

Greg Brown and Patty Larkin perform at 5 pm & 9 pm in Sanders Theater, Harvard University, Quincy and Kirkland Streets, Cambridge. Tickets: \$17.50. Telephone: 641-1010.

June Millington performs at 8 pm at Nightstage, 823 Main Street, Cambridge, just north of MIT. Tickets: \$6.50. Telephone: 497-8200.



Mon Oncle (1958) at the French Library on June 9.



Dizzy Gillespie (left), Sonny Rollins (top), and others perform as part of the Boston Globe Jazz Festival. Dizzy Gillespie is at the Opera House on June 21, and Sonny Rollins is at the Berklee Performance Center on June 22.

On The Town

Compiled by Peter Dunn

CLASSICAL MUSIC

John Reidhaar-Olson PhD '90 presents a guitar recital of works by Sor, Bach, Torroba, Bennett, Pearson, and Reidhaar-Olson at 8 pm in Killian Hall, MIT room 14W-111. No admission charge. Telephone: 253-2906.

The Handel and Haydn Society performs Vivaldi's *Four Seasons* at 8 pm in the Hatch Shell, Charles River Esplanade, Boston. No admission charge. Telephone: 266-3605.

FILM & VIDEO

The MIT Lecture Series Committee presents *Ladyhawke* at 8:00 and *Tom Jones* at 11:30 in 10-250. Admission: \$1.50. Telephone: 258-8881.

*** CRITICS' CHOICE ***
The French Library in Boston continues its film series *Comic Geniuses of French Cinema* with *Mon Oncle* (1958, Jacques Tati, France) at 8 pm at 53 Marlborough Street, Boston. Admission: \$4 general, \$3 Library members. Telephone: 266-4351.

*** CRITICS' CHOICE ***
The Coolidge Corner Theater continues its 1950 Film Festival with *Rashomon* and *The Third Man* at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Telephone: 734-2500.

The Institute of Contemporary Art presents *Video Art North '89*, a selection of new video art from the Nordic countries, at 8 pm at 955 Boylston Street, Boston. Telephone: 266-5152.

Sunday, June 10

*** CRITICS' CHOICE ***
Everything But the Girl performs at 7:30 at the Berklee Performance Center, 136 Massachusetts Avenue, Boston. Tickets: \$18.50. Telephone: 931-2000.

CLASSICAL MUSIC

Handel and Haydn Youth Concert is presented at 4 pm in St. Paul's Cathedral, 138 Tremont Street, Boston. No admission charge. Telephone: 266-3605.

FILM & VIDEO

The Coolidge Corner Theater continues its 1950 Film Festival with *Born Yesterday* and *File on Thelma Jordan* at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Telephone: 734-2500.

The French Library in Boston continues its film series *Comic Geniuses of French Cinema* with *Playtime* (1973, Jacques Tati, France) at 8 pm at 53 Marlborough Street, Boston. Admission: \$4 general, \$3 Library members. Tel: 266-4351.

June 11 to 27

*** CRITICS' CHOICE ***
Here Tonight and Smokey Robinson perform as a presentation of the Anti-Defamation League at the Colonial Theater, 106 Boylston Street, Boston. Tickets: \$100, \$250, and \$500. Telephone: 330-9670.

Suicide performs on June 15 at Ground Zero, 512 Massachusetts Avenue, Cambridge. Telephone: 492-9545.

At Axis: The Wedding Present and Buffalo Tom on June 15; Inspiral Carpets on June 21. Located at 13 Lansdowne Street, Boston, near Kenmore Square. Telephone: 262-2437.

At the Paradise: That Petrol Emotion on June 14 and 15; Lloyd Cole on June 21. Located at 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

At Nouveau Club M-80: Nuclear Assault on June 11; Hothouse Flowers on June 12; Heretix and Daisy Chain on June 14; Blood Oranges on June 15; Willie Alexander and Randy Black on June 21; Christmas on June 22. Located at 969 Commonwealth Avenue, Boston. Telephone: 254-2054.

At Great Woods: UB40 and The Smithereens on June 13; Arlo Guthrie, Tuck & Patti, Shawn Colvin, Buckwheat Zydeco, Acoustic Hot Tuna, and Cuchullan Irish All Stars on June 16; Rickie Lee Jones, Joe Ely, Lyle Lovett, Leo Kottke, Mahathi & The Mahotella Queens, and Wayne Toups & Zydecojun on June 17; Tears for Fears and Michael Penn on June 19; The B52's and Ziggy Marley & The Melody Makers on June 20-21; Chuck Berry, Ben E. King, John Mayall, James Cotton, NRBQ, Nighthawks, and Ronnie Earl & The Broadcasters on June 23; John Lee Hooker, Etta James, Buddy Guy, Robben Ford, Roomful of Blues, Pinetop Perkins, and Ronnie Earl & The Broadcasters on June 24; Aerosmith and The Black Crowes on June 26 & 27. Located at Routes 140 & 495, Mansfield. Tickets: \$19 to \$36.50. Telephone: (508) 339-3333.

At Johnny D's: Marcia Ball on June 13; Joe "King" Carrasco on June 14; Luther "Guitar Jr." Johnson on June 15; Master Ibrahim Camara on June 16; Maynard Ferguson on June 19; Laverne Baker on June 20; Saffire-Uppity Blues Women on June 21; The Del Lords on June 22. Located at 17 Holland Street, Davis Square, Somerville, near the Davis Square T-stop on the red line. Telephone: 776-9667.

At the Channel: Spread Eagle and Vain on June 12; Kid Crash on June 14; Crystal Ship on June 15; The Rick Berlin Band on June 16; The Waiters on June 20; Psychic TV on June 21. Located at 25 Necco Street, near South Station in downtown Boston. Tel: 451-1905.

At Nightstage: Roy Hargrove on June 11; Castle-Berry Dupree on June 13; Special EFX and Deborah Henson-Conant on June 14; Reno on June 16; Dr. Karat on June 18; Ginger Baker on June 19; Luka Bloom on June 20; Sugar Minott on June 21; The Raindogs and Border Patrol on June 22; Jonathan Richman on June 26 and 27. Located at 823 Main Street, Cambridge, just north of MIT. Telephone: 497-8200.

The Museum of Fine Arts begins its summer *Concerts in the Courtyard* series with blues vocalist Mae Arnette on June 21 at 465 Huntington Avenue, Boston. Admission: \$10 general, \$8 MFA members, seniors, and students. Telephone: 267-9300 ext. 306.

At the Orpheum Theatre: Suzanne Vega on June 13; The Church on June 14. Located at Hamilton Place, Boston. Tickets: \$19 and \$20. Telephone: 482-0650.

THEATER

The Tempest, by William Shakespeare, is presented June 13 to 30 by the New Boston Theatre at The Performance Place, 277 Broadway, Somerville. Performances are Wednesday-Saturday at 8 pm. Tickets: \$12 general, \$10 seniors and students. Telephone: 625-1300.

The Country Wife, William Wycherley's comic tale about "gentleman" Horner who spurns women in public but woos them in private, is presented June 14 to 17 at the New Ehrlich Theatre, 539 Tremont Street, Boston. Tickets: \$6. Telephone: 482-6316.

*** CRITICS' CHOICE ***
Phaedra, post-glasnost contemporary theater by the Russian poet Marina Tsvetaeva, is presented June 17 to 23 by the Taganka Theatre of Moscow at the American Repertory Theatre, Loeb Drama Center, 64 Brattle Street, Cambridge. Tickets: \$16 to \$33. Telephone: 547-8300.

Le Cirque Imaginaire (*The Imaginary Circus*), created and performed by Jean Baptiste Thierree and Victoria Chaplin, is presented June 26 to July 15 at the American Repertory Theatre, Loeb Drama Center, 64 Brattle Street, Cambridge. Tickets: \$16 to \$33. Tel: 547-8300.

*** CRITICS' CHOICE ***
Photoplay, a comedy focusing on a young depressed housewife who writes to a childhood friend stationed in Vietnam, is presented by the No Theater, a Northampton-based performance group, June 21-23 at the Boston Film/Video Foundation, 1126 Boylston Street, Boston, near the Auditorium T-stop on the green line. Telephone: 536-1540.

DANCE

*** CRITICS' CHOICE ***
Monnaie Dance Group/Marc Morris is presented by Dance Umbrella June 12 to 17 at the Emerson Majestic Theatre, 219 Tremont Street, Boston. Tickets: \$18, \$26, and \$35. Telephone: 492-7578.

JAZZ MUSIC

*** CRITICS' CHOICE ***
The Boston Globe Jazz Festival: Star-seeds: Joanne Brackeen & Her Quartet, the NEC Jazz Band, and The Really Eclectic String Quartet at Jordan Hall on June 18; James Newton Quartet and Jazz Legacy Orchestra at the Tsai Performance Center, BU, on June 19; Spencer Barefield and Oliver Lake at the ICA Theater on June 20; The Dizzy Gillespie United Nation Orchestra at the Opera House on June 21; Sonny Rollins at the Berklee Performance Center on June 22; Cloe Laine and John Dankworth at the Berklee Performance Center on June 23; Jack DeJohnette-Dave Holland-Herbie Hancock-Pat Metheny, Marcus Roberts Group, and Wadette Jackson & The Extremes at the Hatch Shell on June 24. Tickets: \$20 (6/18), \$15 (6/19), \$10 (6/20), \$21.75 & \$24.75 (6/21), \$18.50 (6/22), \$20 (6/23), and free (6/24). Telephone: 523-4047.

*** CRITICS' CHOICE ***
The USTrust Jazz & Blues Festival presents Harry Connick Jr., The Modern Jazz Quartet, and Christopher Hollyday on June 22 at Great Woods, Routes 140 & 495, Mansfield. Tickets: \$19 and \$26. Telephone: (508) 339-3333.

CLASSICAL MUSIC

The Opera Company of Boston, Sarah Caldwell conducting, performs DiDonica's *The Balcony* June 14 and 17 at the Opera House, 539 Washington Street, Boston. Telephone: 720-3434.

Bambini di Praga, world-renowned children's choir of Czechoslovakia, performs works by Handel, Gabrieli, Caldari, Dvorak, Smetana, and others on June 17 at the First Parish Church, 3 Church Street, Harvard Square, Cambridge. Tickets: \$10 general, \$5 seniors and students. Telephone: 547-0473.

The Canadian Brass performs works by Monteverdi, Gabrieli, Bach/Luther, Beethoven, Wright, Wagner, Barber, and Meacham in the first concert of the 1990 USTrust Festival on June 18 at Great Woods, Routes 140 & 495, Mansfield. Tickets: \$5, \$15, \$25, and \$35. Telephone: (508) 339-3333.

FILM & VIDEO

From the MIT Lecture Series Committee: *Body Double* and *Dressed to Kill* on June 15; *A Guy Named Joe* on June 16; *Star Trek I to III* on June 22; *Star Trek IV and V* on June 23. All screenings in 10-250. Admission: \$1.50. Telephone: 258-8881.

At the Coolidge Corner Theater: the 1950 Film Festival continues with *Asphalt Jungle* and *Night and the City* on June 11; *The Men* and *The Glass Menagerie* on June 12; *Variety Lights* and *Stromboli* on June 13; *Kind Hearts and Coronets* and *La Ronde* on June 14. Located at 280 Harvard Street, Brookline, at the Coolidge Corner T-stop on the "C" green line. Telephone: 734-2500.

The French Library in Boston continues its film series *Comic Geniuses of French Cinema* with *The Well-digger's Daughter* (1940, Marcel Pagnol) on June 15 & 16 and *The Sheep Has Five Legs* (1955, Henri Vameuil) on June 17. Located at 53 Marlborough Street, Boston, near the Arlington T-stop on the green line. Admission: \$4 general, \$3 Library members. Telephone: 266-4351.

At the Museum of Fine Arts: *Yiddish Classic Film* with *Uncle Moses* (1932, Sidney Goldin & Aubrey Scotto) on June 20; *Girls' Night Out with Seduction* — *The Cruel Woman* (1985, Elfi Mikesch & Monika Treut, GDR) and *Virgin Machine* (1988, Elfi Mikesch & Monika Treut, GDR) on June 22; *Colombian Cinema* with *Reborn* (1987, Maria Rodriguez), *Love, Women, & Flowers* (1989, Jorge Silva & Maria Rodriguez), and *The Accordionist's Wedding* (1986, Luis Fernando "Pacho" Bottia) on June 27. Screenings in Remis Auditorium, 465 Huntington Avenue, Boston. Tickets: \$5 general, \$4.50 MFA members, seniors, and students. Telephone: 267-9300.

The Institute of Contemporary Art presents the New England premiere of *Yaaba* (Idrissa Ouedraogo) June 22 to 27 at the ICA Theater, 955 Boylston Street, Boston. Tickets: \$5 general, \$4 ICA members, seniors, and students. Telephone: 266-5152.

(Please turn to page 18)



Kurosawa's *Rashomon* at the Coolidge Corner on June 9.



Wings of Desire at the Cambridge Center for Adult Education on June 8.

ARTS

Enjoy the geeky humor of They Might Be Giants

THEY MIGHT BE GIANTS

With the Jack Rubies.

At the Orpheum Theater, May 18.

By DEBORAH A. LEVINSON

THEY MIGHT BE GIANTS have a certain geeky charm about them. With their horn-rimmed glasses and plaid shirts buttoned all the way to the top, they could easily fit in with the average MIT nerd. (The only nerd paraphernalia they're missing are the ubiquitous pocket protectors.) But they're cool geeks; the kind of geeks who get loose and funky at parties and actually manage to tell funny jokes. That's what most of their songs are like: extended monologues-from-outer-space about shoehorns with teeth, purple toupées, and rabid children.

They Might Be Giants (John Flansburgh and John Linnell, two natives of Lincoln, MA) brought their eclectic road show to the Orpheum on May 18. Their stage setup was sparse: seven oversized postage stamps and a wooden column topped with a metronome. The metronome proved to be not just a prop, but a musical necessity for the show: its steady ticking provided the percussion part for the opening number, "Lie Still, Little Bottle," and for "Where Your Eyes Don't Go."

The only problem with TMBG's nerd shtick was that the complicated nature of their songs forced them to perform with a recorded tape in the background. A song like "Twisting" requires at least two guitars, an accordion, a drum kit, and a cheesy-sounding Farfisa organ, and there's only so much you can do with two musicians on stage.

So, for the larger part of the night, Flansburgh stuck to his Telecaster and Linnell to his accordion, and both sang to the pre-recorded backing tape. There were occasional moments when the tape was si-

lent — most notably "Shoehorn with Teeth" and "Kiss Me, Son of God." Still, it was disappointing that TMBG was willing to sacrifice musical spontaneity for the sake of preserving the sound of the original recording of a song.

Even with the mechanical aspects of the show, it was impossible not to enjoy TMBG's goofy, good-natured humor. After all, when you've got songs with lyrics like "Cowtown," you can't lose:

*I'm going down to Cowtown
Cow's a friend to me
Lives beneath the ocean and
that's where I will be
Beneath the waves, the waves
And that's where I will be
I'm going to see the cow
beneath the sea.*

The group whipped through over 22 songs in about an hour and 10 minutes, not surprising since every one of their albums has had 19 songs and clocked in at under 45 minutes. The set list drew favorites from all three TMBG albums, including "She's an Angel," "Purple Toupée," and "Particle Man," but "Don't Let's Start" got the most enthusiastic response from the crowd. That was the song that became a surprise hit on progressive radio and MTV, and paved the way for later TMBG semi-hits "Ana Ng" and the current "Birdhouse in Your Soul."

They Might Be Giants were preceded by London's Jack Rubies and their exuberant, brash guitar rock. Lead singer Ian Wright's guitar solos were uninspiring, but the Rubies seemed much more interested in merely laying down a solid, tight rhythm over which Wright could sing his tuneful, clever songs. Their "Swamp Snake" was the highlight of their set with its unusual, impassioned plea "Let me be your swamp snake."



CONGRATULATIONS!



General Motors Corporation is pleased to announce that GM Scholarships for 1990-1991 and 1991-1992 academic years have been awarded to the following students.

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On The Town

Compiled by Peter Dunn

Ongoing Theater

Design for Living, Noel Coward's 1932 comedy about two men and a woman who can't live without one another, continues through June 23 at the Triangle Theater, 58 Berkeley Street, Boston. Performances are Thursday-Sunday at 8 pm. Tickets: \$15. Telephone: 426-3550.

Forbidden Broadway 1990, the latest updated version of Gerard Alessandrini's musical comedy revue, continues indefinitely at the Terrace Room, Boston Park Plaza Hotel. Performances are Tuesday-Friday at 8 pm, Saturday at 7 pm & 10 pm, and Sunday at 3 pm & 6 pm. Tickets: \$17 to \$25 depending on performance. Telephone: 357-8384.

I Do!, I Do!, the funny and touching musical that follows the 50-year marriage of two characters, celebrating marriage but keeping an eye on its shortcomings, is presented at the Boston Baked Theatre, 255 Elm Street, Davis Square, Somerville. Performances are June 7-9, 15-16, 21-23, & 29-30 at 8:15. Tickets: \$11 to \$15. Telephone: 628-9575.

The Lady from Maxim's, Georges Feydeau's French farce about a middle-aged doctor whose wife has gone away for the weekend and wakes up to find an irresistible dancer in his bed, continues through June 24 as a presentation of the Huntington Theatre Company at the Boston University Theatre, 264 Huntington Avenue, Boston [see review this issue]. Tickets: \$14 to \$29. Telephone: 266-3913.

*** CRITICS' CHOICE ***
Les Misérables, the musical adaptation of the Victor Hugo epic, continues through June 30 at the Shubert Theatre, 265 Tremont Street, Boston. Performances are Friday-Sunday at 8 pm and a matinee Sunday at 2 pm. Tickets: \$25 to \$50 general, \$16 students. Telephone: 426-4520.

Nunsense, Dan Goggin's comedy about the Little Sisters of Hoboken who stage a talent show to raise money to bury four of their number, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8 pm, Saturday at 6 pm & 9 pm, with matinees Thursday at 2 pm and Sunday at 3 pm. Tickets: \$15.50 to \$26.50 general, half-price for seniors and students on Thursday matinee. Telephone: 426-6912.

Seascapes, Edward Albee's 1975 Pulitzer Prize winner about a couple at the beach confronted by human-sized sea lizards, continues through June 10 at the Back Alley Theater, 1253 Cambridge Street, Inman Square, Cambridge. Performances are Thursday-Sunday at 8 pm. Tickets: \$15. Telephone: 491-8166.

Shear Madness, the long-running comic murder mystery, continues indefinitely at the Charles Playhouse, 74 Warrenton Street, Boston. Performances are Tuesday-Friday at 8:00, Saturday at 6:30 & 9:30 pm, and Sunday at 3:00 & 7:30 pm. Tickets: \$16 and \$19. Tel: 426-6912.

Vatzlav, Slawomir Mrozek's surrealist satire on life in a totalitarian state, continues through June 16 as a presentation of the Cicatrix Theatre at the Leland Center, Boston Center for the Arts, 541 Tremont Street, Boston. Performances are Friday-Sunday at 8 pm. Tickets: \$10. Telephone: 282-8348.

Ongoing Exhibits

ON CAMPUS

From the Ecole to Tech: Désiré Despradelle, His Colleagues and Students continues through June 10 at the MIT Museum, 265 Huntington Avenue, Boston. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 10-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4444.

Richard Beriman: Architect and Sculptor, works by the eminent Boston architect, continues through July 29 at the MIT Museum, 265 Massachusetts Avenue, Cambridge. Museum hours are Tuesday-Friday 9-5 and Saturday-Sunday 12-4. Admission: \$2 requested donation, free to MIT community. Telephone: 253-4440.

Matt Mullican, a quasi-architectural space inhabited by found and fabricated objects organized within Mullican's contextual model; **Nancy Burson's "The Age Machine"** and **Composite Portraits**, starting computer-generated composite portraits and participatory video photo-booth; and **Bill Traylor: Drawings**, almost 80 works creating a colorful, whimsical world of humans and animals, remarkable for its directness and invention, all continue through July 1 at the List Visual Arts Center, MIT Wiesner Building E15. Hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.



OFF CAMPUS

A Global Voice, a multi-media participatory exhibition, taking visitors behind-the-scenes into the worlds of TV, radio, and print publishing, continues through June 4 at the Christian Science Center, Massachusetts and Huntington Avenues, Boston. Hours are 10:00 to 7:30. No admission charge. Telephone: 450-7850.

Neon Art Works, works by students of neon artist Wayne Stratman, opens today at the Divine Decadence Gallery, 535 Columbus Avenue, Boston. Continues through June 8. Telephone: 547-6789.

The Wellesley Method, work by collaborative artists Kate Ericson and Mel Zeigler using eye glasses as the central image; **Arcadia in America: Mount Washington from the Valley of Conway** by John Frederick Kensett; and **Recent Acquisitions and Alumnae Gifts** continue through June 11 at the Wellesley College Museum, Jewett Arts Center, Wellesley College, Wellesley. Museum hours are Monday-Saturday 10-5, Tuesday & Wednesday 10-9, and Sunday 2-5. No admission charge. Telephone: 235-0320 ext. 2051.

Various (Male) Responses to Nature (Near and Far), an installation by John Baldessari, continues through June 24 at the Photographic Resource Center, 602 Commonwealth Avenue, Boston. Telephone: 353-0700.

Imperial Taste: Chinese Ceramics from the Percival David Foundation continues through June 24 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. No admission charge with MIT ID. Telephone: 267-9300.

Connections: Martin Puryear, works by the abstract sculptor inspired by a Moghul painting of a falcon, continues through July 8 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. No admission charge with MIT ID. Telephone: 267-9300.

Diamonds Are Forever: Artists and Writers on Baseball, featuring over 120 paintings, photographs, drawings, and literary passages inspired by the social and cultural significance of one of America's most enduring pastimes, continues through July 14 at the Institute of Contemporary Art, 955 Boylston Street, Boston. Institute hours are Thursday-Saturday 11-8, Wednesday & Sunday 11-5. Admission: \$4 general, \$3 students, \$1.50 seniors and children, free to ICA members and MIT students. Telephone: 266-5152.

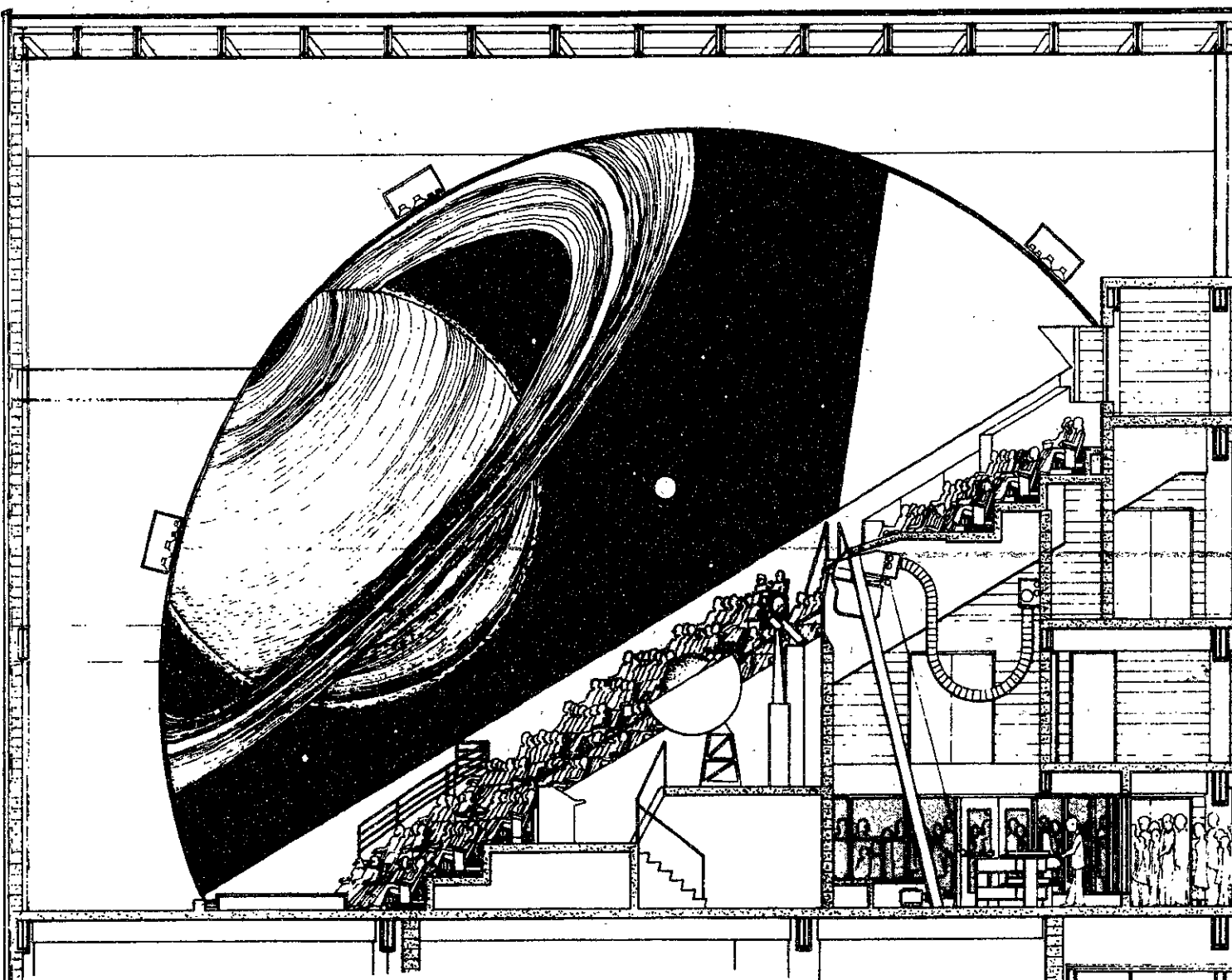
Visual Poetry: The Drawings of Joseph Stella, works by the American artist most identified with the dynamism, abstraction, and illusion of movement that characterized the work of the Italian futurists, continues through July 22 at the Museum of Fine Arts, 465 Huntington Avenue, Boston. No admission charge with MIT ID. Telephone: 267-9300.

Pierre Bonnard: The Graphic Art, surveying the rich and prolific contributions from 1890 to 1930 of one of the masters of French post-Impressionism and a founder of the Nabis, continues through July 29 at the Torf Gallery, Museum of Fine Arts, 465 Huntington Avenue, Boston. No admission charge with MIT ID. Telephone: 267-9300.

*** CRITICS' CHOICE ***
Soviet Space, the world premiere of a new exhibition exploring the history of the Soviet Union's space program, assembled in Moscow in association with Glavkosmos, continues through September 23 at the Museum of Science, Science Park, Boston, near the Science Park T-stop on the green line. Exhibit hours are daily 9-5. Admission: \$6 adults, \$4 seniors and children, no admission charge with MIT ID. Telephone: 523-6664.



Les Misérables continues through June 30 at the Shubert Theatre.



The Museum of Science's Mugar Omni Theater, where *Race the Wind* continues through October.



Gregory Hines (left), The Nicholas Brothers (right), and others perform in Dance Umbrella's *Great Tap Reunion* on Friday, June 8 at the Opera House.

ARTS

Robbins revels in the bizarre in *Skinny Legs and All*

SKINNY LEGS AND ALL

Written by Tom Robbins
Bantam Books
422 pages, \$19.95

By MARK WEBSTER

FROM THE FIRST CHAPTER of Tom Robbins newest novel, *Skinny Legs and All*, the reader enters that peculiar world that is common to all his novels. In one short chapter Robbins manages to delight and confound, impress and frustrate, using metaphors that no one on this earth could have thought of except Robbins. Just a sample gives an idea: "This is the room of the wolfmother wallpaper. The toadstool motel you once thought a mere folk tale, a corny, obsolete, rural invention. . . . This is the room where Jezebel frescoed her eyelids with history's tragic glitter, where Delilah practiced for her beautician's license, the room in which Salome dropped the seventh veil while dancing the dance of ultimate cognition, skinny legs and all."

Like his previous novels, plot matters little in this story. The important part of the book is its attitude, the attitude of take no prisoners, no-holds barred, full speed ahead use of the language to pontificate, cajole, wax lyrical, and just plain be humorous. For humor is here in abundance — I found myself laughing out loud at almost every other page. Robbins creates unique situations and looks at ordinary situations in a slightly skewed manner that creates that kind of humor.

The politics are unabashedly liberal and green at a time when one is passé and the other the flavor of the month. The religious viewpoint is mainly New Age, although it could really be characterized as anti-religion. Surprisingly, with the fantastic nature of the story, a good deal of the outright philosophizing has much in the way of common sense.

Robbins uses magical realism, pure fantasy, romanticism, ancient mythology, cur-



rent events, absurdity, and lots of steamy sex to tell this story. It starts with Ellen Cherry and Boomer, newlyweds who have married after Boomer drove from their hometown of Colonial Pines, VA, to Seat-

tle to propose to Ellen Cherry and present to her a camper in the shape of a roast turkey. Ellen Cherry is an artist on her way to New York to start her career, with Boomer supporting her in his chosen

career of welder.

Along the way, they inadvertently perform an ancient ritual in a cave (they make love while yelling certain words) and awaken two important icons from a religion that predates Christianity, Islam, and Judaism. These animate and sentient objects set off with certain other objects that the hastily departing couple have left behind to try to reach Jerusalem in time for the building of the promised Third Temple.

Meanwhile, Boomer and Ellen Cherry make it to New York where domestic bliss is short-lived when Boomer manages to sell his giant roast turkey as a work of art and Ellen Cherry must take a job as a waitress. The job is at Isaac and Ishmael's, a new restaurant across from the United Nations, opened by a Jew with a foot fetish and an Arab who believes in the zen of washing dishes. It is meant as a symbol of brotherhood, compromise, and peace. Within a week of its opening, the place is bombed and attacked by both sides of the Middle Eastern conflict.

During this fantastic story, we meet a whole slew of interesting and unusual characters, including a can of beans, a silver spoon, and a dirty sock (Robbins may be the only writer who can make you sympathize with a beat up can of beans). We also meet Ellen Cherry's uncle, the Reverend Buddy Winkler, a fundamentalist preacher who sees the fabled Third Temple as a means to an apocalyptic end. And it isn't giving away too much to say that the climax of the novel is the show-down between the Super Bowl and the Dance of the Seven Veils.

If all of this sounds quite bizarre, it is. Robbins revels in the bizarre and unusual. Inanimate objects not only come to life but serve as a sort of chorus. An extremist preacher and militant orthodox Jews plot against peace-minded politicians. Inarticulate welders become darlings of the New York art scene. This book observes and celebrates life with a finely honed, ironically humorous style.

classified advertising

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Athanassios G. Siapas awarded Bose® Fellowship

The 1990 Bose Foundation Fellowship for graduate study in electrical engineering and computer science has been awarded to Athanassios G. Siapas.

The award includes tuition and a stipend for one year of graduate study at M.I.T. The fellowship is awarded on the basis of academic excellence and for technical achievement outside of academic study. Particular emphasis is placed on a high level of initiative and creativity.

This year's applicants demonstrated gratifying accomplishments not only academically but in technical achievement in work assignments and class projects.

Athanassios G. Siapas exemplifies the criteria for the fellowship award. He has pursued a double major in Electrical Engineering and Theoretical Mathematics. In addition he has investigated new research areas through the Undergraduate Research Opportunities Program (UROP).

During his first two years he worked on asynchronous distributed systems and parallel algorithms under the supervision of J. N. Tsitsiklis at the Laboratory for Information and Decision Systems. He then worked on Nonlinear Dynamics and Chaos at the Artificial Intelligence Laboratory under the supervision of professors H. Abelson and G. J. Sussman.

Mr. Siapas' research accomplishments have made a strong impression on his supervisors. Professor Meyer commented on "Thanos' extraordinary performance in coursework and the breadth of his interests in computation, mathematics, and physics . . ." describing him as a potential "research star." Professor Sussman characterized Mr. Siapas as "quiet, determined, brilliant and deep." Professor Tsitsiklis was impressed with his ability "to get a mature and deep grasp of difficult ideas . . ." He also described him as "hard-working, conscientious, (and) polite."

Mr. Siapas' primary interest lies in the areas of theory of computation and complexity. In his own words: "I am very much interested in a new theory of continuous computation over the real numbers, which is in a way a more appropriate idealization of scientific computation than classical discrete computability, and brings the theory of computation into the domain of analysis and topology."

Mr. Siapas is a native of Greece. He graduated from the Second Lyceum of Alexandria.

The Bose Foundation is proud to have Athanassios G. Siapas as the 1990 recipient of the Bose Foundation Fellowship.

COD drops charges against Penn, Francis

(Continued from page 1)
fairs Arnold R. Henderson Jr.

Penn and Francis believe that the COD decision supports their claims that the case was not grounded in factual evidence and that the Campus Police, who brought the charges before the committee, did so to harass Penn and Francis for their political activities on campus, specifically their active role in organizing divestment protests as members of the Coalition Against Apartheid.

The COD has yet to notify Penn and Francis of the decision in writing and will not do so for about two weeks, according to COD chair Sheila A. Widnall '60. While she stated that "at some time we will be able to communicate with the community," Widnall refused to comment specifically on the Penn and Francis case.

Before evidence against them was presented, Penn and Francis tried to persuade the COD to allow them to videotape the proceedings, waiving their right to privacy and arguing that the MIT community had a right to view the proceedings. The committee denied permission to tape the proceedings.

Widnall later commented that the COD's rules do not provide for taping, and that she was not sure if the COD was even legally allowed to permit open hearings, citing an interest in protecting students' rights. In accord with their usual procedure, the COD did make an audio tape of the proceedings.

The charges against Penn and Francis stemmed from CP statements on a March 2 demonstration organized by the coalition. During the protest, demonstrators called for South African divestment in front of the home of President Paul E. Gray '54 and in the lobby of Building E52 during an MIT Corporation meeting and luncheon.

The police had charged Penn and Francis with assault, claim-

ing they "led a rush of demonstrators into [the] elevator at E52," and that this rush "caused an injury to Officer Rosie Sanders." After three months, Sanders has still not returned to work.

Francis was also charged with assault and battery on a police officer for allegedly kicking Officer Robert J. Molino while demonstrators were trying to enter the sixth floor from the stairwell of E52.

Campus Police Chief Anne P. Glavin was disappointed by the COD decision. "I think it is unfortunate that that was the decision," she commented.

Penn charged that the COD lacked established procedures. There is "no documentation on either how the COD proceeds or formal categories of its rulings," he said. Penn argued that the lack of procedures "allows for a lot of arbitrariness on the part of the chair, [who is] given discretion to do whatever is seen as reasonable."

COD keeps hearing closed

Penn and Francis' attempt to get the hearings opened to the MIT community took up the first three hours of the hearing on Thursday, according to Francis. Penn said that he and Francis waived their rights to privacy, arguing that the MIT community should have been able to view the proceedings, and brought in a videocamera and witnesses who would have viewed the proceedings. According to Penn, the COD refused, saying that committee members, too, had a right to privacy.

The students then argued that the community had invested the COD with power, and with that power should come a degree of scrutiny, but that also failed to win the COD over, Penn said. Widnall said later that the COD rules do not provide for videotaping the proceedings.

Finally, said Penn, "the committee threatened to move the tri-

al to another room without us if we did not" give in. At that time the witnesses left and Penn and Francis agreed there would be no videocamera.

Penn, Francis not in elevator, CPs say

According to Penn, the Campus Police's own witnesses admitted that the two students were not in the elevator when the injury to Sanders occurred. While Penn was accused of assault for leading the rush into the elevator, Detective Eugene H. Salois "testified that he was with me in the back of the lobby when the rush occurred," Penn said. Officer Cheryl Vossmer also testified that Penn was not in the elevator, according to Penn.

"Since Vossmer was in the elevator," Penn argued, the CPs "should have asked her if we were there." The fact that they did not, Penn added, shows that "they couldn't even prove [the charges] themselves, with their own witnesses, and they knew it."

Although Glavin refused to comment on the proceedings in the COD hearing because she was not present at the hearing, a source within the Campus Police Department confirmed that CPs did indeed testify that Penn was not in the elevator.

COD standards questioned

Penn charged that the COD lacks firm rules for introducing evidence, and claimed that Widnall refused to let him introduce some photographs unless he gave her the whole roll of film.

Widnall would not confirm or deny these claims by Penn, but said that the COD "will take any evidence that a student wishes to bring."

"I might say if you present this the committee might say can we have the following things. Everything is admissible," Widnall continued.



Steven D. Penn G and Ronald W. Francis G during the March 2 demonstration outside of president's house.

Reaction to decision

Penn believed that while Glavin "may deny it . . . she knew that I was nowhere near [the elevator] and that she brought these cases forward to harass me for my political activity."

Penn was not surprised that he and Francis were found innocent of the charges against them. "They had about as much chance of voting against me as they did changing the laws of physics, and they should have known that before they brought this case to tri-

al," he said in a recent interview.

"I think that Glavin is either through incompetence or through her selective use of evidence committing harassment, and that Widnall should have demanded much higher standards of evidence and should not have tolerated the level of unsubstantiated claims that the CPs were making," Penn said.

Glavin denied political motives, saying that she did "feel it was a legitimate case of assault on the officers," and stated that assault was "the sole issue."

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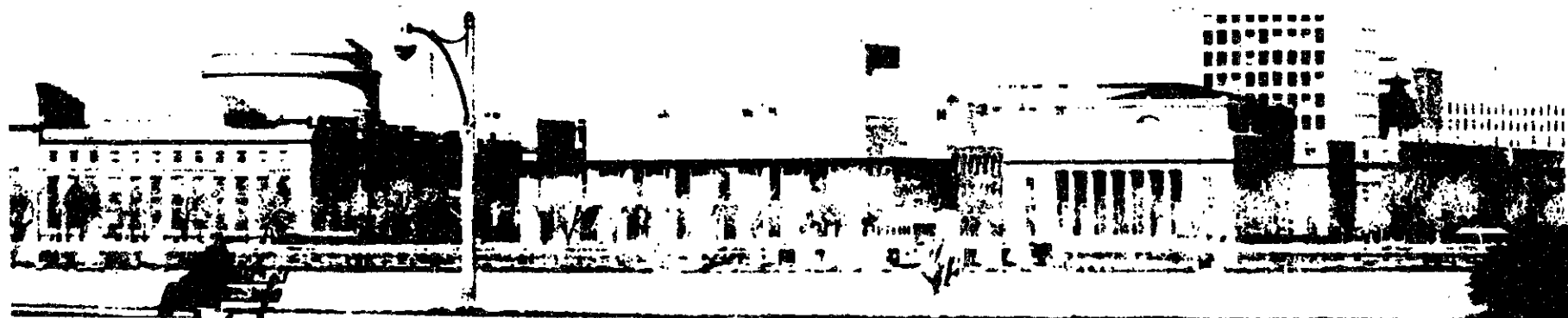
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Search process goes on

(Continued from page 1)

Milne acknowledged that there were external candidates "this time, as well as last time." He said, however, that there is no deadline for a new president to take office, and explained, "an outsider . . . would have to disengage from wherever he or she is" before taking office.

Resumed search enters fifth month

This is the second time that the search committees have been asked to look for a new president. Biology Professor Phillip A. Sharp was nominated for the position in early February. He initially accepted, but then reversed himself one week later, saying he could not bear to give up his research. Sharp's action surprised both the search committees and the Corporation, Milne said.

Sharp's withdrawal meant that previously rejected candidates could be reconsidered for the job. Prominent among this list were Stanford Engineering Dean James F. Gibbons, Economics Professor Paul L. Joskow, and Provost John M. Deutch '61. Deutch had previously withdrawn himself from consideration at a meeting of the Academic Council

in January.

In addition, *The Boston Globe* recently reported that Michael L. Dertouzos '64, director of the Laboratory for Computer Science, had been picked for the presidency. But Dertouzos has reportedly denied the claim, saying that he met with the committee only once, in October. Dertouzos was unavailable for comment.

Despite the possibility of a former candidate's selection, it appears that the current list is quite different from the original group. Milne said that "there are always people who, for one reason or another, withdraw from a process like this," and added that some new names were under consideration.

Process began over one year ago

The search for a new president began almost immediately after Gray announced his resignation at the March 1989 meeting of the Corporation. According to the original plan, Gray was to have become chairman of the Corporation at the beginning of next month, replacing David S. Saxon '41, who is retiring.

The Corporation search committee was formed to accept recommendations, interview candi-

dates, and recommend someone to the Corporation Executive Committee, which would then formally make the nomination to the Corporation. The faculty formed their own search committee as well, to help with the screening process. The two groups have effectively been functioning as one since the start.

Had Sharp accepted the nomination, the Corporation would most likely have elected him president at its March 2 meeting. After Sharp's decision to refuse the presidency, Gray and Saxon agreed to continue in their present positions beyond this month.

Some students have criticized the closed nature of the search process, including the lack of any official information about candidates. The Undergraduate Association gathered student opinion in a referendum during March elections, in which over 63 percent of the students agreed with the statement that "the committees responsible for choosing the next president of MIT were too secretive about the process and candidates."

Milne said that the committees "did pay attention" to the vote, but that no specific action was taken as a result. "We did not sit with any groups as a formal part of the process," he added.



David W. Schneider '90, host for the Senior Week "Fun in the Sun" event, presents awards to winners of the contest.

EECS considering 5-year SM program

(Continued from page 1)

at least four or five years. According to a memorandum written by CFPD chair David H. Staelin '60, the committee is considering changes because "EECS SB students are not adequately mastering the fundamentals." The report adds that since it would be impossible to exclude material from any of the current EECS core courses, the only remedy for this situation is to add more required subjects.

The committee considered extending the bachelor's program by one year, but rejected the idea because previous attempts at "five-year accredited SB programs . . . have failed." The only solution, they decided, would be to offer a new master's degree at the conclusion of five years of study. An unaccredited bachelor's degree, without a thesis requirement, would be available after four years.

Staelin's report acknowledged that "a great deal of weight is being placed" on the idea that all of the material in the current core subjects is relevant and necessary. "The single most important thing we must do, therefore, is review the basic core curriculum and collectively validate that crucial assertion," he added.

The memorandum explains that the program would be "presented for faculty review," and that students would "also be

asked about these individual proposed changes to the degree programs."

Gould said that CFPD members had spoken with between 40 and 50 EECS faculty about the proposal, almost all of whom approved of the idea.

One potential problem with the proposal is how students will finance a fifth year of study. While most undergraduates pay for their own education, Gould said, graduate students usually are paid for through a teaching assistantship, research assistantship or fellowship. The committee report suggested that fifth-year master's students be restricted to "three terms as an RA or four terms as a TA prior to completion of the SM program," in order to make the funds available to more students.

The report describes the revised master's program as one which would take "the equivalent of one-half term of effort . . . spread over a longer period." Theses written under the new system would generally be shorter than they are now, though their quality would remain a major factor in a student's admission into the doctoral program. Students entering the MIT graduate EECS program would "generally proceed directly to our PhD program," although "less qualified students" would have to complete a masters program either at MIT or at another school.

Faculty forms ROTC committee

(Continued from page 1)

faculty voted that down 53-33, Deutch promptly rose in support of the motion which might set a deadline.

Robert L. Bettiker '90, who was expelled from the ROTC after telling his commanding officer that he was gay, was hopeful that the resolution would help end military discrimination against gays. "I'm glad that MIT will work together with other universities to encourage the military to change its policies. I hope that the military and the universities will work together, without confrontation, as they try to resolve this." The Navy originally demanded that Bettiker repay the roughly \$40,000 he had received for his participation in ROTC, but dropped the demand in April after reconsidering his case in Washington.

The faculty also voted to form a panel that would formulate guidelines for the conduct and handling of demonstrations, which may subsequently lead to the formation of an advisory panel which would monitor major student demonstrations. The decision to form a panel follows several violent confrontations between demonstrators and campus police on campus during the past term, at which members of the MIT Coalition Against Apartheid and police officers have been injured.

Twenty-six students were arrested on April 6 when the CAA attempted to erect a shanty on the lawn in front of the Student Center. Eight Campus Police officers were injured during the arrests and demolition of the shanty. Statistics for student injuries were not compiled.

One police officer was seriously injured March 2 when demonstrators stormed an elevator during a CAA-sponsored protest at an MIT Corporation meeting.

It was also announced at the meeting that George Büchi, Camille and Henry Dreyfus professor of chemistry, was awarded the James R. Killian Faculty Achievement Award for the 1990-91 academic year.

The Killian Award is given annually to recognize extraordinary professional accomplishments and service to MIT. Büchi was cited for his outstanding research contributions to "photochemistry, natural products and molecular toxicology which comprise cornerstones of these diverse areas of organic chemistry." The citation calls him "one of the best scientists at MIT, and one of the most human."



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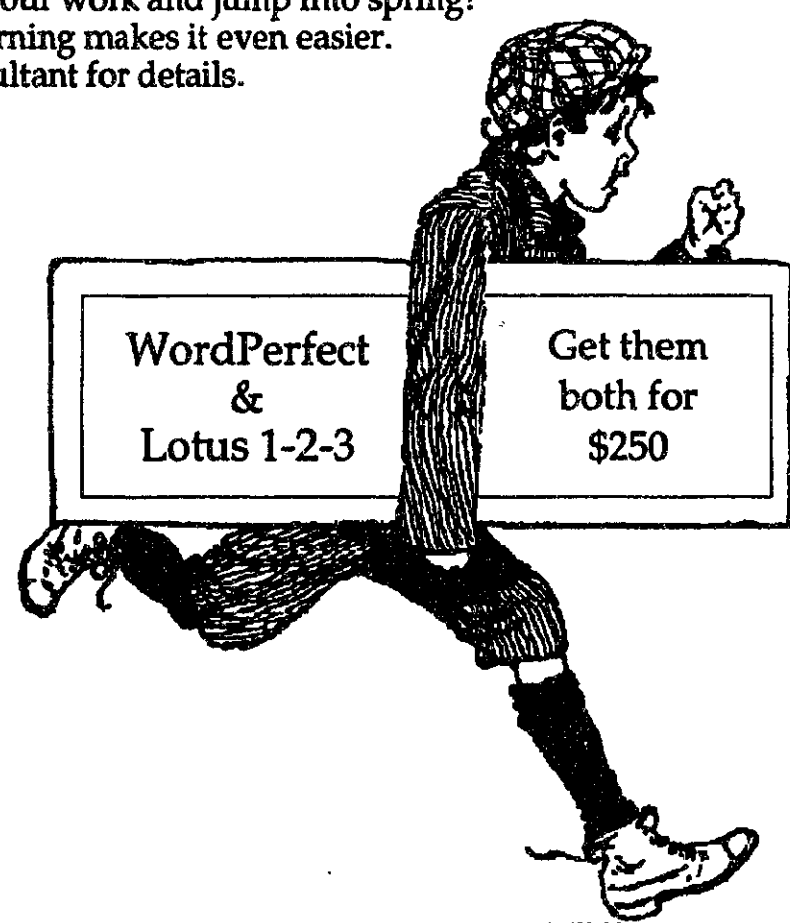
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COD to hear 68 cases in fall

(Continued from page 1) marked the largest instance of student cheating uncovered in MIT's recent history.

"We were actually very conservative in interpreting duplicate code," said Wilson of the computer program written to screen problem sets. "The cut-off was not arbitrary."

Duplicate code included identical statements, functions, number of functions, content, and individual statements within each function. As problem sets involved fairly long computer programs, Wilson ruled out the possibility that two students could have individually submitted identical programs.

Students get zeroes on problem sets

Approximately 90 people were caught after all problem sets were examined. These students picked up letters from Wilson's secretary telling them of his intention to submit names to the COD and the number of zeroes they had received for problem sets in which duplicate code appeared.

Wilson did not require these people to meet with him, but about 80 did. As a result of the meetings, 15-20 names were

dropped from the list Wilson was about to forward to the COD. He also became aware of a range of situations that could lead to duplicate code.

The most "benign" kind of behavior, according to Wilson, was working jointly on a problem set. "The educational value of doing problem sets is preserved," he acknowledged. "However, I had said that it was not appropriate to do joint programs."

For these students, Wilson modified the policy so that they received half credit. He still submitted their names to the COD, but with a note that they had collaborated on problem sets.

At the other extreme were those who had stolen other people's programs, Wilson said. A few students believed he was referring to people who had stolen hard copies of problem sets from trash bins in Project Athena clusters.

The middle ground, according to Wilson, was the situation in which one individual had done the work and others had turned it in as their own. As it was "obvious" which person had been responsible for the problem set, that individual received half credit,

and the others got zeroes, Wilson said.

Changes in 1.00 likely

Wilson said that some changes to 1.00 were in order as a result of his experiences last term. "I went to each of the 18 recitations at the beginning of the term and told them what was expected of them individually and what constituted cheating," he noted. "In the future, I will write the policy in boldface, though one feels sheepish having to do both."

He also realized there are benefits to working with others and said that in the future, he would designate two or three out of the 10 problem sets as ones on which collaboration was allowed.

Wilson expected that the professor who teaches 1.00 this fall will use a program for spotting duplicate code on problem sets.

"I'm upset and the students were upset that we discovered duplicate codes so late in the term," he said. Some people had to petition to drop the class because Wilson announced his discovery to the class after drop date.

"Had I known in week three, I would have said something," he concluded.

Bloch: Big projects drain funds

(Continued from page 2)

deficit, research scientists and engineers should not expect continued growth in federal R&D spending, Bloch said. Rather, the research community needs to set priorities, understanding that not all projects can be funded, Bloch argued. He urged researchers to work with government officials and lawmakers on developing the nation's science and technology policies.

Shortage of new personnel

Bloch also warned of an impending shortage of science and engineering personnel.

While demand for technical graduates is up, a recent survey found a drop in the number of college freshmen planning on pursuing science and engineering majors, Bloch said.

He noted that only extraordinary growth in the number of foreign students seeking doctorates at US institutions has kept up enrollment in many engineering and science graduate programs. Foreigners now account for many of the new assistant professor appointments in such departments, according to Bloch.

The situation is made worse because the number of 18-year-olds in the United States is expected to decrease for the rest of the century, Bloch said.

Bloch believed one way to act against the problem was to increase the participation of women, blacks, Hispanics and Native Americans in the technological enterprise. "We haven't done the job that we should in the past

and it's time that we make up for that," Bloch said.

He urged universities to intensify their efforts to recruit and train science and engineering students.

Basis for economic health

If the United States and its research universities do nothing about the problems American research faces, the nation's economy will experience "a progressive loss of vigor," Bloch said. The research successes of the last several decades have revolutionized society and provided the basis for our economic health, he said.

The public has come to see the knowledge produced by universities as a commodity, Bloch said, and it expects a return on its R&D investment. This has increased the social pressure on universities and sparked concern about issues like technology transfer to foreign countries, Bloch said.

Fellowship controversy

Answering a question from the audience, Bloch expressed his opinion that MIT may be denying its faculty the opportunity to work with some of the nation's brightest students by restricting the number of NSF graduate fellowships it accepts. MIT has limited the number of fellows who may bring their fellowships here because the NSF cost-of-education allowance does not cover fellows' full tuitions. MIT has in the past had to spend more than \$2.9 million per year out of its general fund to make up the difference. As a result of the new

policy, some departments are now telling some of their prospective students that, although they are welcome at MIT, they may not bring their fellowships with them.

Bloch said he regretted that MIT had made the decision, but said NSF would not take any action to address MIT's concerns. He noted that no other university has taken a stand similar to that of MIT.



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Noble tenure dispute will go before jury

(Continued from page 2)

both the professors and the individual departments.

Court litigation before trial decision

On March 1, Judge Robert Hallisey of Middlesex Superior Court released a 31-page statement which made public both the names of the members of Noble's tenure review committee and their votes on whether Noble should receive tenure. Hallisey also released other information, including comments made by several members of Noble's tenure committee during the review and in their affidavits.

However, Hallisey dismissed Noble's charges of First Amendment violation and defamation. Instead, Hallisey incorporated most of Noble's complaints into a single count of breach of contract. This is the charge which will be resolved in the jury trial.

Hallisey wrote in his judgment that Noble raised four issues "which could allow a jury to conclude that the tenure review process was substantively and procedurally improper." These are:

- Professor Francis J. Reintjes, who had been criticized in Noble's work, was a member of Noble's tenure committee even though he had a personal involvement in the work being evaluated.

- Professor Nathan Rosenberg, who had submitted a negative assessment of Noble's work during his 1981 evaluation for promotion to associate professor, was pursued with several telephone calls and a letter asking him to send an evaluation for Noble's tenure process.

By contrast, Professor Carroll Pursell, then of the University of California at Santa Barbara, has testified that, although MIT claims to have contacted him, by

letter and telephone, to write a reference for Noble, he has no record of any such contact. He said he would have supported Noble's candidacy for tenure with "highest praise."

- Former STS program director Carl Kaysen said in his affidavit that the tenure review committee and the faculty vote should have occurred sequentially, rather than simultaneously, as was the case in Noble's review process. By the time the review committee had announced its vote, two out of the three STS faculty meetings to discuss Noble's candidacy had already taken place.

- Kaysen urged in the tenure case that journalistic writing "be considered whenever judgments of scholarly achievements are being made." Merritt Roe Smith, who chaired Noble's 1981 promotion committee, had instead explicitly separated out the journalistic work from the scholarly work.

On May 18, Hallisey authorized the jury trial, during which the comments and assessments made by the individual members of the tenure committee will be fully entered into the public domain.

Noble said he views the authorization of the jury trial as a victory, noting that MIT filed two briefs, on April 23 and May 3, calling for "private hearings." Both of these were declined by Hallisey in his decision.

However, Noble called Hallisey's dismissal of his charges of First Amendment violation and defamation "conservative." Depending on the outcome of the breach of contract trial, Noble may appeal the dismissal of those charges.

Noble said he was pleased by the recent endorsement he re-

ceived from the Organization of American Historians.

On May 10, Mary Francis Berry, president of the OAH (of which Noble is a member), wrote a letter to Hallisey expressing her belief that the dismissal of Noble's First Amendment charge was a "classic case of bias."

She endorsed Noble's right as a scholar and professor to have access to the materials of his review committee and encouraged Hallisey to make the proceedings public.

Property thefts increased in 1989

(Continued from page 2)

shot dramatically upward to 148, an increase of 68.2 percent over 1988.

Suspicious person checks reach record high

Checks of suspicious persons on the MIT campus reached a record-high level of 390 last year, according to the Campus Police report. In 1988, 308 persons were stopped by the police for suspicious behavior. By contrast, only 149 persons were stopped in 1987.

"Routine checks of suspicious persons are conducted when requested by members of the community or when initiated by an officer during the course of routine patrol activity," the report said.

Of the 390 persons stopped last year, 220 were given trespass warnings, 52 were student problems, 12 were psychiatric cases, and 106 checked out okay.

Whites accounted for 52.1 percent (203) of those stopped by Campus Police, blacks for 36.7 percent (143), and Asians for 4.4 percent (17). The race of 6.9 percent (27) of the suspicious persons was unknown. In 1988, 56 percent of those stopped were white, 29 percent black, and 15

Master's trial was early possibility

According to Hassan, MIT's lawyer in the case, the jury trial is the default result of Noble's inability to finance a Master's trial.

In March, Hallisey had ordered the case to go before a court-appointed Master to review the facts, and to discover a common ground for settlement.

Noble claimed that he refused to settle, and insisted on a jury trial. After two additional weeks

of review, Hallisey ordered the breach of contract trial.

Hassan claims that Noble could not afford to pay the Master and that this was the main reason Hallisey authorized the jury trial. She confirmed the privacy briefs of April 23 and May 3, but declined to comment further on Hallisey's denial of them.

Noble recently filed a brief calling for a "speedy trial," and said he hopes to be in court by the end of the summer.

percent unknown.

Eight-nine arrests were made by Campus Police officers last year, up from 76 arrests in 1988. Trespassing was the most common charge.

Continuing a trend present last year, the racial distribution of arrested persons changed significantly. The number of blacks arrested rose 34 percent (from 38 to 51), while the number of whites arrested dropped 8.6 percent (from 35 to 32). In 1987, 50 whites and 21 blacks were among the 81 persons arrested.

Campus Police Chief Anne P. Glavin, asked last year to comment on the shift in racial distribution, dismissed it as simply a yearly fluctuation. She said that the racial breakdown of suspicious person checks showed that the Campus Police "don't go looking for one race or another."

Serious crimes number 22

The number of serious crimes against persons reported on the MIT campus in 1989 was 22, similar to last year's figure of 23. Of these 22 crimes, the most serious was assault with intent to murder. That incident, which occurred on Sept. 30, involved an altercation between non-MIT persons in the parking lot behind

Kresge Auditorium after they were refused admittance to an MIT dance.

The other serious crimes included one assault, 14 cases of assault and battery, three cases of assault and battery with a dangerous weapon, and two cases of assault and battery on a police officer. Also, a female student was raped in a living group by a visiting acquaintance in September 1989.

The number of other crimes against persons was 189, according to the CP report, up from 1988's total of 149. Obscene and annoying phone calls accounted for 81 of last year's crimes, compared to 54 in 1988, and 31 in 1987. Glavin last year expressed concern about the increase in harassing phone calls. She noted that educational efforts could have increased the rate of reporting of these calls, but added that the trend "points to some general problems" on campus.

Also included in the other crimes against persons category were malicious destruction of property (37 cases), harassment (21), vandalism (19), disturbance (9), domestic disturbance (8), threats (5), sexual harassment (4), disorderly conduct (2), and indecent exposure (1).

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Graduates to hear Barco

(Continued from page 1)

fickers are believed to have killed hundreds of Colombians, including three presidential candidates, during the nation's just-completed election campaign.

Barco's role in this year's Commencement has prompted unusual security measures, including the issuance of special guidelines and the presence of the US Secret Service.

Barco received an undergraduate degree in civil engineering from MIT in 1943, and pursued graduate studies in economics here in the early 1950s. A member of the MIT Corporation from 1970 to 1980, Barco has also served on several Institute visiting committees in the Departments of Economics, Political Science, and Civil Engineering, and in the Center for International Studies.

Activities begin with procession

Commencement activities will begin at 9:45 am with the academic procession from 77 Massachusetts Avenue to Killian Court via Memorial Drive. Chief Marshall Harris Weinstein '56, president of the Alumni Association, will lead the procession.

After MIT Corporation Chairman David S. Saxon '41 opens the graduation exercises, Rev. Virginia W. G. Army, the daughter of President Paul E. Gray '54 and Priscilla Gray, will give the invocation.

Barco will then deliver the commencement address. Following his speech, Graduate Student Council President Michael J.



photo courtesy MIT News Office
Virgilio Barco '43

Warwick will salute MIT on behalf of the graduate student body, and Class of 1990 President Joseph R. Babiec Jr. will present the senior class gift to President Gray.

Gray will deliver the traditional charge to the graduates, and then will join Provost John M. Deutch '61 in awarding the degrees. Gray will hand out the bachelor of science degrees and Deutch the advanced degrees as two lines of students approach the stage simultaneously. The names of students will be announced in an alternating pattern as the degrees are handed out.

The Institute today will award 958 bachelor's degrees, 707 master's degrees, 23 engineer degrees, and 195 doctorates — a total of 1883. Some students receive more than one degree. The degree recipients include 503 women.

Today's Commencement is the

last for Saxon, Gray and Deutch in their respective roles. Saxon plans to retire, Gray to succeed Saxon, and Deutch to return to teaching and research this year. The three had planned to step aside on June 30, but agreed to stay on after the presidential search committees' choice for a successor to Gray refused the position. A new president is not expected to be named before the end of the month.

Special hooding ceremony

Those students receiving doctoral degrees were hooded yesterday in a special ceremony, held for the first time. At the ceremony in Kresge Auditorium, department heads or their representatives assisted the school deans in hooding the degree recipients.

At 5 pm today, a commissioning ceremony will be held for 62 cadets and midshipmen in MIT's Army, Air Force and Navy Reserve Officers' Training Corps units alongside the historic frigate *USS Constitution* at the Charlestown Navy Yard Historical Park.

Gray will introduce the guest speaker and commission officer, Rear Admiral David M. Goebel SM '65 (USN), who is deputy director for international negotiations for the Joint Chiefs of Staff.

Music in Killian Court will be presented by the Boston Brass Ensemble, conducted by Senior Lecturer John Corley. The Northeast Navy Band will provide music at the Charlestown Navy Yard.

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CALIFORNIA BOUND??

The alumni of the MIT Club of Southern California congratulate the graduating class of 1990. We will be throwing a **beach party reception** for new alums in the southern California area in September. In order to receive an invitation please give your new address to the MIT Alumni Information Management Office at 617-253-8260 or call Mike Bernard at 213-374-7318.

The Alumni Association wishes to thank all seniors who contributed time and money to the Class of 1990 Gift/Pledge Program

We would like to give special thanks to the Steering Committee:

Stacy Segal
Senior Gift Coordinator

Karyn Baum
Off Campus Coordinator

Thank you to all solicitors and house captains who volunteered their time and efforts to the Class of 1990 Gift/Pledge Program.

The "Class of 1990 Clock Tower" received contributions of all sizes. The following is a list of seniors who made a special gift or gift pledge of \$90 or more:

David Atkins
Joseph Babiec
Karyn Baum
Humphrey Chen
James Fleming
Mini Gupta
Anita Hsiung
Brian Hunter
Elena Koutras

Charissa Lin
Robert Potter
Kelly Savage
Bonnie Saurlock
Irene Shen
Stephen Smoot
Tim Stellmash
Melinda Su
James Tetazoo

Eriko Yagi

We would also like to recognize Next House (House Captain—Mini Gupta) for their outstanding contribution of over \$1990 by their seniors.

sports

Track 12th at outdoor championships

(Continued from page 28)

meter mark his left hamstring gave out, and Singhose had to limp home in a slow 53-second time.

That race put him second in the standings to eventual winner and last year's runner-up Kevin Luthy of Case Western Reserve. Singhose clung to that second place all during Day Two, competing with a heavily-bandaged leg. He finished the last decathlon event, the 1500 meters, dead last, in obvious pain.

Later Singhose called it his "greatest triumph ever."

Makatiani also injured

MIT's other most-important hamstring gave way on Day Two, as Makatiani first felt pain in his leg during the 1600-meter relay trials. Scannell, Dunzo, alternate Garret Moose '91 and Makatiani ran a respectable 3:15.18 to finish second in their heat and qualify for the relay finals.

The same four ran to a seventh-place finish in the 400 relay (42.87 seconds) on Day Three, but Makatiani felt pain again, and entered the open 400-meter final the next day with a bandaged leg. Running in fourth and feeling strong at the 300-meter point in the race, Makatiani started to accelerate, hoping to pass the other runners on the homestretch. But his leg would not cooperate, and he finished a disappointing seventh, in 48.18.

Later that afternoon Makatiani put the finishing touches on a painful strain with his third leg on the 1600 relay final. Again at the 300-meter mark he accelerated, and again his leg gave way, this time with a "pop" that he felt.

"I thought I would never run again," said Makatiani later.

Dunzo brought the baton home in a hard-run but futile anchor leg for a 3:23.17 last place.

Makatiani conceded that "this was a bad way of finishing" for himself and the team, but maintained his hope in accomplishing his ultimate goal in qualifying for the national team of Kenya, his



David Rothstein/The Tech

William E. Singhose '90 (second from right) at the start of the decathlon 100-meter dash. Singhose finished second.

native country. He will train in Boston and work out with the MIT team while working at the Media Laboratory, and may at some point return to MIT as a graduate student. He has one full year of eligibility remaining.

Clarke's throw in the hammer came during the chilly rains that descended on Naperville during Day Three. Clarke threw 166'-1" two days before to qualify for the final round, but knew he would have to throw farther in the finals.

Although he managed only two legal throws of the six allotted him, he made those two count. The second of three preliminary throws soared 179'-2", a personal best for Clarke. He opened the second round of three with a 175-foot toss and then watched at St. Thomas' Ben Bautch released a

long throw in his final attempt ... 179'-0". Luck was with MIT at least this time.

Other notables in the men's competition included Haverford College's Seamus McElligott, who won both the 5000 meters (14:29.57) and the 10000 meters (30:05.44), and North Central College's 26-year-old Jan Cado, a member of the Czechoslovak national team before he defected to the United States — who set an NCAA Division III record in the outdoor triple jump with a 53'-2 3/4" mark.

MIT's Sean Kelley '89 competed in the 10000 meters, but suffered stomach cramps early in the race and finished 12th, in 31:28.4. Triple jumper Kelly Davis '92 fouled on two of his three qualifying jumps and failed to make it to the final round.

Kelly to end 28 years as track coach

(Continued from page 28)

is] paying me to do administratively. I thought that after seven years [coaching] would get easier each year, and it's not."

But Kelly has no regrets. Except for a possible try at aviation, he said, there were not a lot of other things he aspired to do in life.

"Coaching is a lot like being a parent," he said. "You're trying to have [the athletes] achieve the most, just like you'd like your kids to."

"There's certain amount of discipline that is required to do that, and you want to do it to be fair, and you want them to like you. Maybe some coaches say they don't care if the team likes them, but I don't think I could ever say that honestly ..."

* * * * *

The time for boarding had come, and most of the team was on the plane.

"I'm proud of these guys," said Kelly, thinking back to the season just ended. "The most important things is this is a good group of guys. They're good representatives of MIT."

And so has Gordon Kelly, for 28 years, been a good representative himself.

This meet marked the end of the three-year career of Bill Singhose, who transferred to MIT from the University of Oregon. It was the last, for now, for Boniface Makatiani.

And the last for Gordon Kelly, who retired after 28 years as assistant and head coach.

Maybe a national title was a lot to expect from a small team, said Kelly after the meet. "Maybe what we saw was the result of a long, competitive championships season. But we try to do well in every meet that we [enter]."

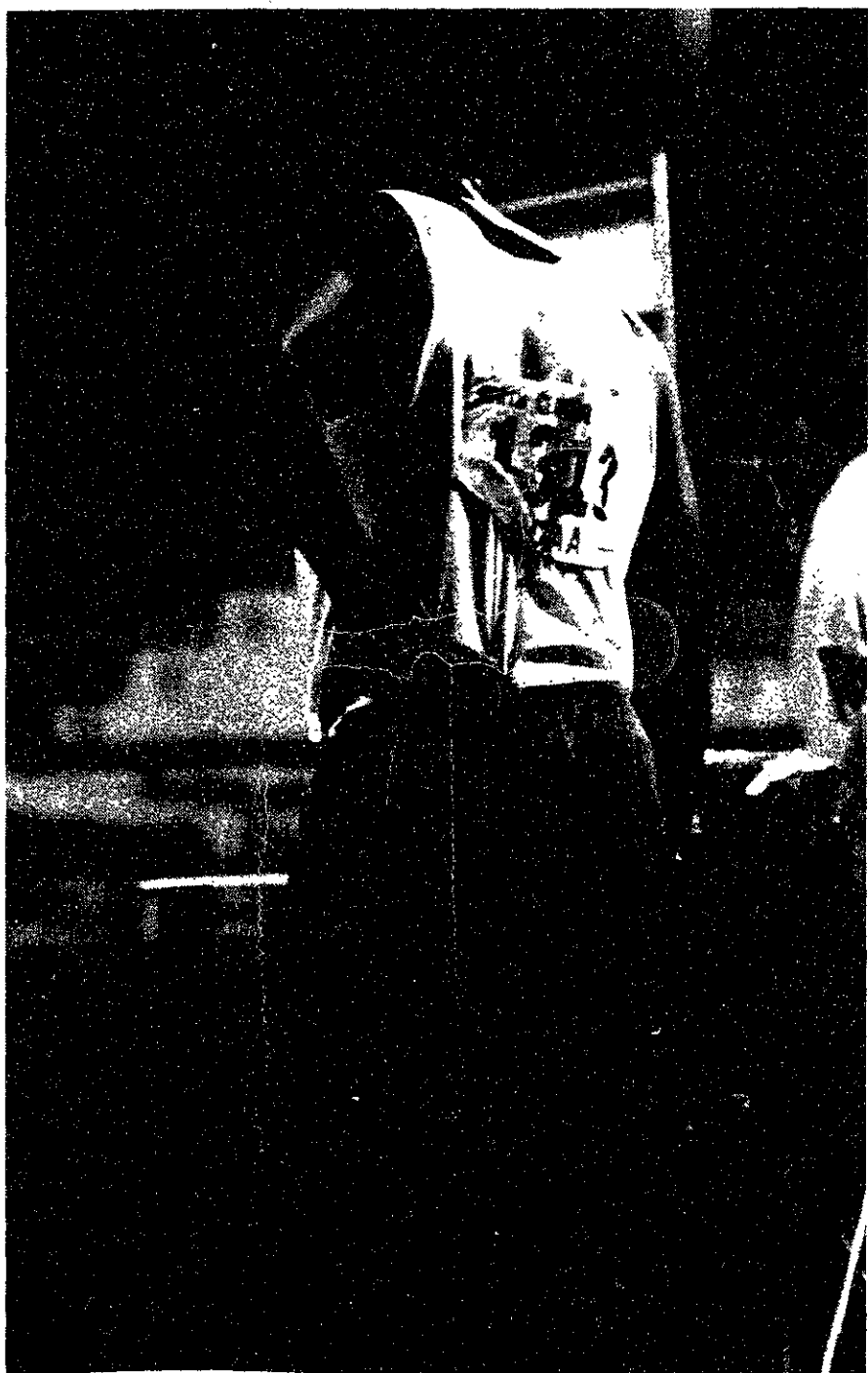
"We give it what we've got in each meet."

Outdoor Track at NCAA Division III National Championships at North Central College, Naperville, IL May 23-26, 1990

- Decathlon** - 1, Luthy, Case Western, 7041 points; 2, Singhose, MIT, 6481; 3, Fox, Muskingum, 6477.
- Hammer** - 1, Sargeant, UCSD, 193'-6"; 2, Clarke, MIT, 179'-2"; 3, Bautch, St. Thomas, 179'-0".
- High jump** - 1, Arzuaga, AU-Puerto Rico, 7'-1"; 2, Vischak, Swarthmore, 6'-11 1/2"; 3, Fox, Buena Vista, 6'-11 1/2".
- Pole vault** - 1, Gerwitz, UW-Lacrosse, 15'-9"; 2, Cryder, Wheaton, 15'-8"; 3, Forshew, Mt. Union, 15'-9".
- Discus** - 1, Nuemann, UW-Oshkosh, 171'-0"; 2, Klotz, UW-Whitewater, 161'-8"; 3, Kult, Loras, 161'-6".
- Javelin** - 1, Johnson, Thiel, 228'-0"; 2, McCaig, Baldwin Wall, 221'-7"; 3, Pecherek, US Merchant Marine, 212'-3".
- Long jump** - 1, Kirtman, Pomona Pitzer, 25'-0"; 2, Cado, North Central, 24'-11 3/4"; 3, Mann, Bridgewater St., 24'-10".
- Triple jump** - 1, Cado, North Central, 53'-2 3/4"; 2, Kirtman, Pomona Pitzer, 50'-6"; 3, Walker, Lynchburg, 49'-7 1/4".
- Shot put** - 1, Rucker, Ohio Wesleyan, 54'-10 1/4"; 2, Conlin, UW-Platteville, 53'-9 1/4"; 3, Kult, Loras, 53'-7 1/2".
- 100 meters** - 1, Canterbury, Neb. Wesleyan, 10:71; 2, Cunningham, Occidental, 10:74; 3, McDougal, Frostburg St., 10:77.
- 110 meter high hurdles** - 1, Whitsett, Lincoln, 14:04; 2, York, SUNY-Albany, 14:23; 3, Godbout, Simpson, 14:35.
- 200 meters** - 1, Kelner, UW-Eau Claire, 21:64; 2, Moda, Fitchburg St., 21:87; 3, McDougal, Frostburg St., 21:92.
- 400 meters** - 1, Burrell, UW-Eau Claire, 47:25; 2, Ransome, Glassboro St., 47:27; 3, Terrelonge, Lincoln, 47:48; 7, Makatiani, MIT, 48:18.
- 400 meter intermediate hurdles** - 1, Rodriguez, SUNY-Albany, 51:50; 2, Lopes, Westfield St., 51:52; 3, Velazquez, AU-Puerto Rico, 51:83.
- 800 meters** - 1, Cullingford, Moravian, 1:50:21; 2, Steenwyk, Calvin, 1:50:46; 3, Olson, UW-Oshkosh, 1:50:93.
- 1500 meters** - 1, Brown, St. Thomas, 3:50:76; 2, Lumkes, Simpson, 3:51:17; 3, Leighninger, Haverford, 3:52:13.
- 3000 meter steppelchase** - 1, Lumkes, Calvin, 8:52:31; 2, Steuennagel, UW-Oshkosh, 9:01:57; 3, Stang, Cornell, 9:05:98.
- 5000 meters** - 1, McElligott, Haverford, 14:29:57; 2, Lambert, UW-Oshkosh, 14:34:68; 3, Wasserman, Neb. Wesleyan, 14:40:33.
- 10000 meter** - 1, McElligott, Haverford, 30:05:44; 2, Welhoefer, UW-Oshkosh, 30:16:56; 3, Wasserman, Neb. Wesleyan, 30:21:75.
- 400 meter relay** - 1, UW-Eau Claire (Prosa, Balistrieri, Burrell, Kelner), 41:21; 2, Lincoln, 41:45; 3, Frostburg St., 41:49; 7, MIT (Dunzo, Scannell, Moose, Makatiani), 42:87.
- 1600 meter relay** - 1, Lincoln (Edney, Terrelonge, Miller, Townsend), 3:10:04; 2, UW-Eau Claire, 3:10:57; 3, Moravian, 3:13:97; 8, MIT (Scannell, Moose, Makatiani, Dunzo), 3:23:17.

* new NCAA Division III record

- 1, Lincoln, 49; 2, Wisconsin-Oshkosh, 45; 3, Nebraska-Wesleyan, 42 1/2; 4, Wisconsin-Eau Claire, 41; 5, North Central, 33; 6, Calvin, 32 1/2; 7, Haverford, 26; 8, Frostburg St., 24; 9, Loras, 23; 10 (tie), St. Thomas and Occidental, 22; 12 (tie), MIT and American-Puerto Rico, 21; 14, Albany, 20; 15, Pomona-Pitzer, 18; 16 (tie), Wisconsin-Lacrosse and Simpson, 17; 18 (tie), Fredonia and Moravian, 16; 20, Glassboro St., 15.



David Rothstein/The Tech

Mark W. Dunzo '91 before the start of the 400-meter relay.

SENIOR ATH



Maureen Fahey — Basketball

In her last basketball season, Maureen Fahey established MIT career records in points (1117) and rebounds (866), while leading her team to its first .500 finish in many years. She was one of only three Division III players in the national to be awarded an NCAA postgraduate scholarship, which she will use to study at MIT.

Fahey was the New England Women's Eight Conference basketball player of the year and was named to the GTE Collegiate Division All-American first team. She also won the Malcolm Kispert award at MIT, given to an outstanding senior scholar-athlete. She will serve as an MIT assistant women's basketball coach in the 1990-91 season.

Anthony Lapes — Football

At the end of his football career at MIT, Anthony Lapes was awarded the Woody Hayes Award, given to the outstanding male scholar-athlete in Division III. It was the highest award ever given to an MIT senior athlete. Lapes set every MIT career and single-game record as a wide receiver. At MIT's awards convocation in May, Lapes received the Malcolm Kispert award for outstanding senior scholar-athlete.



Yvonne Grierson —

This winter Yvonne Grierson won the 100-yard butterfly NCAA Division III national championships. It was her consecutive victory in that event at the nationals. For these efforts, Grierson was named the recipient of the Division III national athlete of the year award. Grierson is MIT's Betsy Schumacke outstanding undergrad athlete for the third time.

Bill Singhose — Track and Field

Trackman Bill Singhose has forged success in myriad events on the track and field. With school records in the decathlon, pentathlon, indoor and outdoor pole vault, the indoor 1600-meter and outdoor 400-meter relays, Singhose's contributions to the track team helped establish a mini-dynasty that has seen one loss in the past 6½ years, numerous New England Division III championship titles, and a second-place finish at this year's NCAA Division III national indoor championships.

Singhose is an eight-time All-American, and during last year's outdoor season won the national decathlon competition. He was the recipient of the Class of 1948 award for outstanding male senior athlete.



LETES 1990

Cecilia Warpinski — Volleyball

Named New England Women's Eight Conference Volleyball Athlete of the year in 1989, Cecilia Warpinski led the women's volleyball team to a 25-4 regular season record (8-0 conference), a win in the conference championship match against Smith College, and a berth in the National Collegiate Athletic Association Division III national tournament.

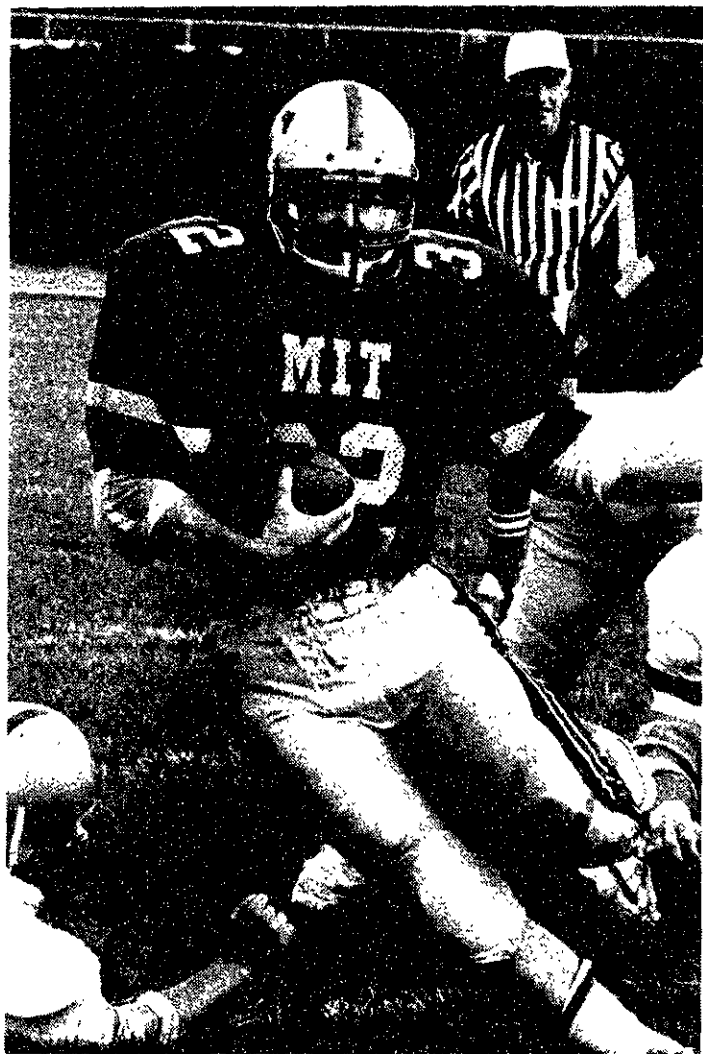
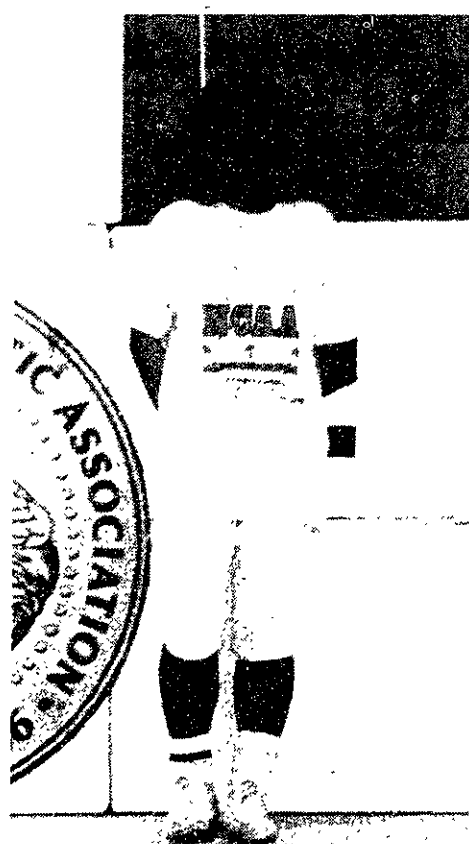
Warpinski has won numerous awards and honors in her four years with the team, including this year being named to the American Volleyball Coaches Association All-East Regional team and being selected as a GTE CoSIDA All-American. Also a member of the softball team, Warpinski was named to the academic all-district softball first team this spring.



Alice Chang — Fencing

Alice Chang won the New England Championship fencing crown at Brown University in February while leading the women's team to a third-place finish. She first took up fencing in physical education classes as a freshman, but quickly improved to a top ranking on the varsity level.

Chang placed 19th at the national championships at the University of Notre Dame in March.



Shane LaHousse — Football

Halfback Shane LaHousse set MIT records in season points and career yards and tied the mark for career points. He was an important part of the solid three-man "Rocket" backfield that led the Engineers to a 4-3-1 in their second season of competition in the NCAA Division III.

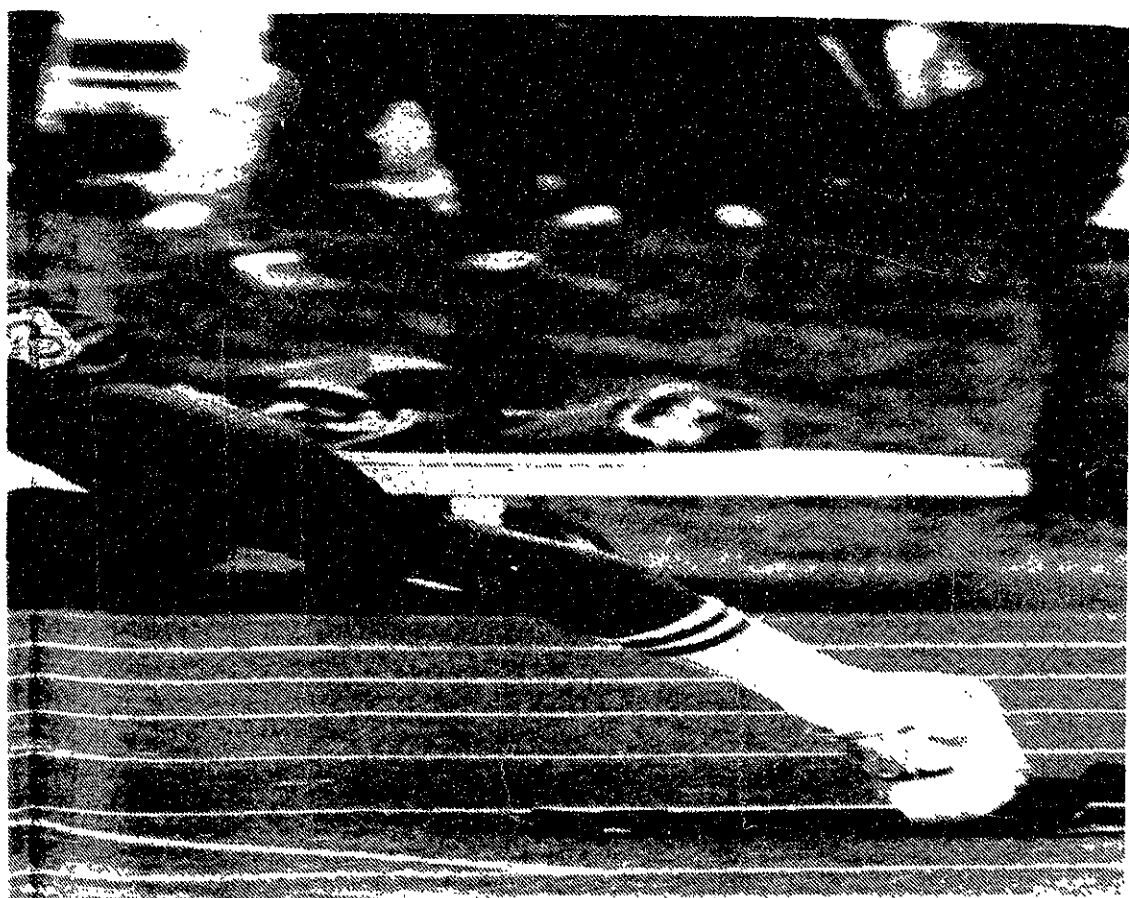
Dave Dellagrotte — Basketball

Dave Dellagrotte this season became the 13th player in MIT history to surpass 1000 points in a basketball career, finishing with 1119. He was named to the GTE Academic All-District team, and selected team MVP and outstanding defensive player.

Boniface Makatiani — Track and Field

Boniface Makatiani won the 400-meter race at the NCAA Division III indoor national championships this year, helping his team to a second-place finish. He was also an important part of MIT's 62-meet unbeaten streak that lasted from 1983 to this past January, and contributed to MIT's many wins at the New England Division III Championships.

One of the finest sprinters in MIT history, Makatiani holds school records in the indoor 200 (22.23 seconds) and 500 (1:02.75) and in the outdoor 400 (46.84). He was also a member of school-record-setting indoor 1600-meter and outdoor 400-meter relay teams.



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Track falters at championships

Injuries to key athletes hamper team's efforts

By David Rothstein

NAPERVILLE, IL — The track and field team's success at the NCAA Division III outdoor championships depended mostly on the success of senior standouts Bill Singhose and Boniface Makatiani.

The former was the defending champion in the decathlon, and was also to compete in the pole vault, long jump and as part of the 400-meter and 1600-meter relays. The latter was the defending indoor national 400-meter champion and a favorite in the outdoor race, and was also part of both relays.

When both Singhose and Makatiani suffered hamstring muscle strains during the May 23-26 championship meet at North Central College's Kroehler Field, MIT's well-founded hopes for a first-place finish went out like a light. The Engineers finished with 21 points, good only for a tie for 12th place.

Lincoln University (PA), the indoor national champions, again took first place, with 49 points, followed by the University of Wisconsin, Oshkosh (45), the University of Nebraska, Wesleyan (42½) and the University of Wis-

consin, Eau Claire (41).

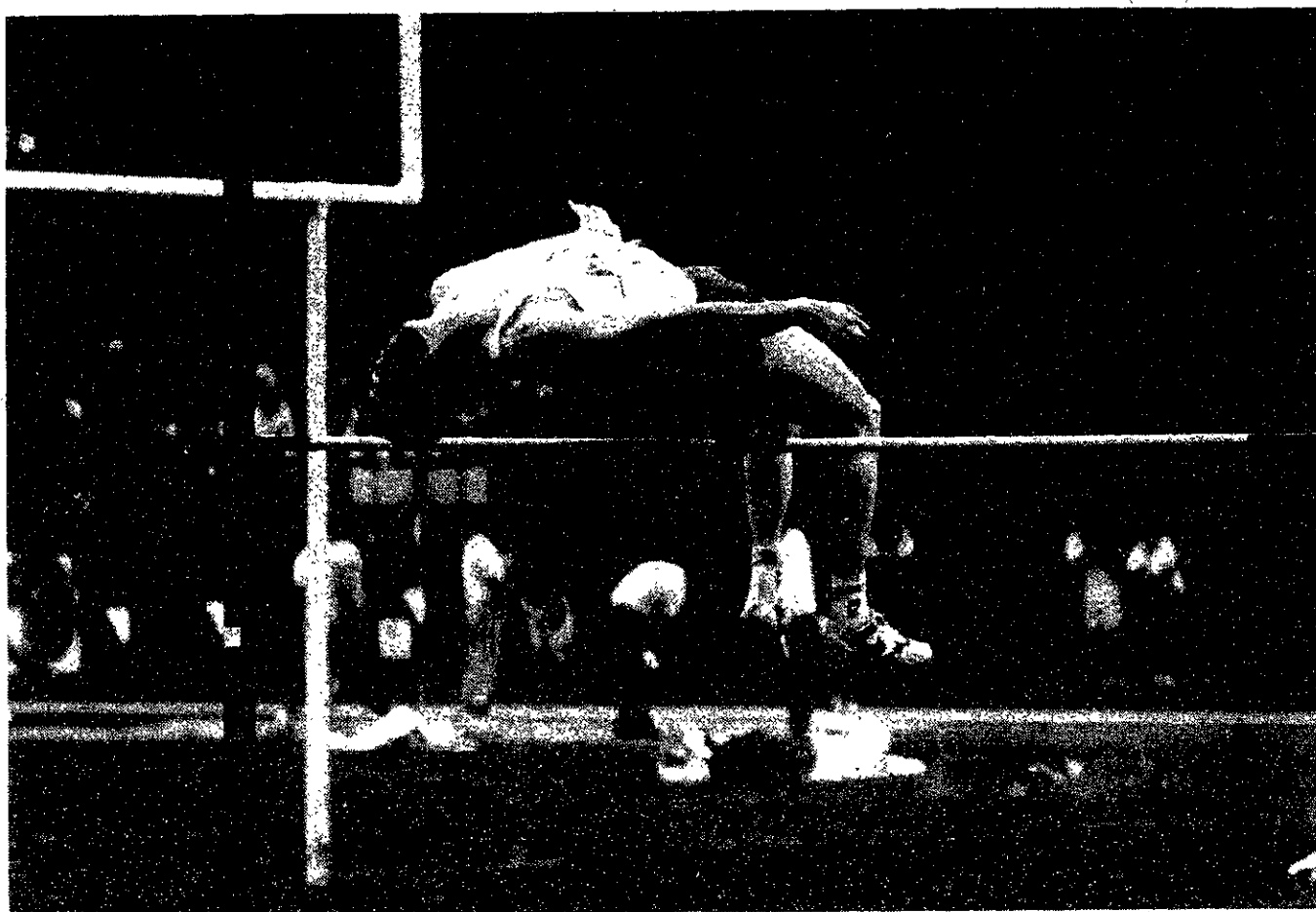
Eight of MIT's 21 points came from John-Paul Clarke '91, a surprise second-place finisher in the hammer throw, and eight more from Singhose, who managed a second-place finish in the decathlon despite suffering an injury during the fifth event.

The past year has seen the track and field peaking for a national championship. After tying for fifth place at last year's outdoor nationals, the team placed second at the March indoor championships. With what might have been MIT's strongest team ever and everybody healthy, a championship crown appeared in sight.

Singhose struggles to second

Until the last minutes of Day One of the competition, everything seemed to be going MIT's way. Both of MIT's entries in the hammer — Clarke and senior Eric Shank — cleared the qualifying round, while Singhose advanced to the final rounds in the open competitions of the long jump and pole vault, and was at the front of the decathlon field after four events.

In addition, the 400-meter



David Rothstein/The Tech

William E. Singhose '90 sails over the bar in the decathlon jump.

relay team, made up of Mark Dunzo '91, Kevin Scannell '92, Singhose and Makatiani, set a school record with a 41.63-second run that put it into the finals.

It was that relay, however, that was the beginning of a sequence of events that ended in Singhose's

injury.

After running in the relay, Singhose competed in the open long jump, finished jumping in the decathlon high jump, at which point his calf muscle started cramping. Because he still had to compete in the decathlon 400, Singhose stopped jumping, and

as temperatures dropped in the chilly Illinois evening, he went to the stands to wait and work off his cramp.

Singhose went out strong in the 400, making up two staggers in the first 80 meters, but he ran flat, favoring his calf. At the 200 (Please turn to page 25)



David Rothstein/The Tech

Boniface A. Makatiani '90 after finishing 7th in the 400-meter final. Makatiani suffered a hamstring strain at the 300-meter point.

Kelly reflects on tenure

By David Rothstein

CHICAGO, IL — As a high school student, Gordon Kelly considered himself a baseball and football player, not a track and field man. But some 34 years after leaving Bay Shore, NY, where he grew up and attended high school, Kelly is nothing but the track and field man at MIT.

Kelly has coached MIT's indoor and outdoor track and field teams for 28 years, including the past 17 as head coach. His teams have enjoyed great success over the years, particularly in the 1980s, when the MIT established a 62-meet unbeaten streak and won 11 indoor and outdoor New England Division III championships, never finishing worse than fourth. The Engineers placed second at this year's NCAA Division III national indoor championship.

After 28 years, Gordon Kelly is giving up his coaching duties and concentrating on the role of director of physical education, a job he has held for seven years.

Two weeks ago Kelly took what he called the "best team we've ever had" to the NCAA Division III outdoor championships, held at North Central College in Naperville, IL. Last year's team tied for fifth at the outdoor championships, and this year's team had the potential to take first or second.

But the fickle hands of fate spun a different web, and after senior standouts Bill Singhose and Boniface Makatiani suffered injuries, MIT finished in a tie for 12th place.

"Probably when many years have passed, we may think, 'Oh, gee, we finished 12th in the NCAA. That's pretty good,'" said Kelly while waiting at O'Hare International for the airplane home. "But we've come to have higher expectations, so obviously nobody's real happy that things turned out this way."

"But that's life and that's sports and that's the

way it goes. There are a lot of things a lot worse in life than having a couple of hamstring pulls.

Perspective means the world to Kelly. With so much success of late, Kelly hasn't forgotten what it's like to lose:

"Athletics go up and down. You've got to keep it in perspective, and as a coach, you gotta be a little bit gracious as a winner. I've been on the other side when people were thumping us."

Kelly attended Springfield College, and after graduating in 1960 with a degree in physical education (he minored in biology), attended SUNY-Buffalo, where he earned a master's degree in education.

College track and field entered Kelly's life in part by chance. Freshmen at Springfield were required to play spring football then, and when football was over, said Kelly, "the only team that would take me was track."

"I had some sort of instant success in track, so I stuck with it."

That sort of success included a win in the pole vault at the All-New England Championships during Kelly's senior year. The meet was held at MIT.

Two years later Kelly returned to MIT in the role of assistant coach to Springfield graduate Art Farnham.

"That's the best kind of coaching you can do, as an assistant," recalled Kelly. "Head coaching is more concerned with the total program, and the focus becomes a little bit different. An assistant coach is just coaching . . . that's probably the purest kind of job you can have."

The coming years will see Gordon Kelly finish his eight remaining years as head of physical education. He has not ruled out returning to coaching. In fact, you can bet he will return.

"At this point, I think [coaching] is something I have to put aside to achieve some things that [MIT] (Please turn to page 25)



David Rothstein/The Tech

Coach Gordon V. Kelly